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UNDERGROUND STORAGE
TANK PROGRAM

KLM Environmental, LLC
Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation
PO Box 2704
Goose Creek, SC 29445
843-870-4285 Phone
843-797-1893 Fax

June 13, 2007

Ms. Stephanie Briney
SCDHEC-BUSTM
2600 Bull Street
Columbia, SC 29201

Dear Stephanie,

Enclosed is the Monitoring Report for the Corner Stop 28, Site ID # 05659. The invoicing for this project will follow under separate cover as we had to have Mrs. Jackson sign it and I wanted to get this report in to you as quickly as possible.

Thank you for your help on this project. If you have any questions, please contact me directly at 843-870-4285.

Sincerely,

KLM Environmental, LLC

Mark L. Keller, PG
President

UST PROGRAM
DOCKETING # 1

JUNE 2007 MONITORING REPORT
Corner Stop 28 (Former Fast Point 17)
Ware Shoals, South Carolina
Site ID# 05659

KLM Environmental, LLC
Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation
PO Box 2704
Goose Creek, SC 29445
843-870-4285 Phone
843-797-1893 Fax

June 14th, 2007

Prepared for:

Ms. Stephanie Briney
SCDHEC BUSTM
2600 Bull Street
Columbia, SC 29201

Prepared by:

KLM Environmental, LLC
Post Office Box 2704
Goose Creek, SC 29445
(843) 870-4285 / *fax: 797-1893*

Project# 05659

SIGNATURE PAGE

This report entitled "**JUNE 2007 MONITORING REPORT" for Corner Stop 28** has been prepared at the request of and for the exclusive use of the South Carolina Department of Health and Environmental Control. It has been prepared and reviewed by the undersigned.

Prepared By:

J. Micah Bennett
Hydrogeologist
KLM Environmental, LLC

Prepared By:

Mark L. Keller, PG
President
KLM Environmental, LLC

6/14/07
Date

MARK L. KELLER
REGISTERED
No. 2311
SOUTH CAROLINA
PROFESSIONAL GEOLOGIST

TABLE OF CONTENTS

SECTION	DESCRIPTION	PAGE
1.0	INTRODUCTION	1
2.0	AFVR	2
3.0	SITE DESCRIPTION	3
4.0	GROUNDWATER QUALITY	5
5.0	CONCLUSIONS	7
6.0	REFERENCES	8

LIST OF FIGURES

DESCRIPTION	FIGURE
GENERAL SITE LOCATION	1
SITE MAP	2
PIEZOMETRIC MAP	3
COC MAP	4

LIST OF APPENDICES

DESCRIPTION	APPENDIX
FIGURES	A
WELL CONSTRUCTION LOGS	B
AQUIFER CALCULATIONS	C
LABORATORY DATA	D
DISPOSAL MANIFEST	E

LIST OF TABLES

DESCRIPTION	TABLE
GROUNDWATER ELEVATION DATA	1
SUMMARY OF ANALYTICAL DATA	2
SUMMARY OF OXYGENATE DATA	3

1.0 INTRODUCTION

The Corner Stop 28 site is located at 717 North Greenwood Ave. in Ware Shoals, South Carolina. A general site location map is provided as Figure 1 in Appendix A. Numerous assessment and sampling events have occurred at the site since the release was reported on December 31, 1991. As a result of the last assessment plan received by the SCDHEC on December 11th, 2006 a directive was sent out requesting Aggressive Fluid Vapor Recovery (AFVR) to be performed at the site along with additional wells to be installed and the well network be sampled. This report serves to present the results of the AFVR event and the current assessment investigation.

2.0 Aggressive Fluid Vapor Recovery

The AFVR event was performed on April 25, 2007. Several monitoring wells were gauged for free product before the AFVR event began, including MW-1, MW-2, MW-3, MW-5, MW-6, MW-7, MW-11, and TW-1. Out of these wells gauged, monitoring wells MW-1, MW-7 and MW-11 had measurable free product, with product thicknesses of 2.17', 1.8', and 3.39' respectively. The lay out of the site prevented KLM from pumping on all three wells simultaneously. However, KLM pumped MW-7 for three hours and then connected the vac truck to MW-1 and MW-11 simultaneously and pumped those wells for the remaining five hours. A total of 270 gallons of water and product were recovered during this event, with 7 gallons of free product. Vac truck emissions monitoring data are included in Appendix B. The disposal manifest is included in Appendix E.

3.0 SITE DESCRIPTION

Currently, there are fifteen shallow wells and one telescoping well located at the site. Figure 2 serves as a site map showing well locations. On May 27th 2007 Cypress Bay Geological, Inc. installed MW-13, MW-14, MW-15, and MW-16. Permission was denied by the property owner across West Cork Street from the site, where Les's Auto is located. Due to these access issues, additional assessment could not be completed in the westerly direction past MW-6. Therefore, only four monitoring wells could be installed instead of five as requested by the SCDHEC. Well construction logs are presented in Appendix B. The piezometric data is provided in the following table and in Appendix A, Figure 3.

TABLE 1
Groundwater Data (feet)
Corner Stop 28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	FP Thickness	GW Elevation
MW-1**	5/30/07	99.42	34-54	46.11	48.03	1.92	51.39
MW-2	5/30/07	98.19	45-55	-	43.38	-	54.81
MW-3**	5/30/07	99.02	45-55	45.41	45.45	0.04	53.57
MW-4	5/30/07	102.70	45-60	-	DRY	-	-
MW-5	5/30/07	99.90	35-60	-	45.74	-	54.16
MW-6	5/30/07	101.45	33-48	-	47.53	-	53.92
MW-7**	5/30/07	101.61	23-48	53.39	54.15	0.76	47.46
MW-9	5/30/07	96.71	35-60	-	37.16	-	59.55
MW-10	5/30/07	98.24	35-60	-	34.78	-	63.46
MW-11**	5/30/07	100.53	30-55	49.79	53.11	3.32	47.42
MW-12	5/30/07	97.96	33-48	-	CNL	-	-
MW-13	5/30/07	99.96	40-60	-	41.39	-	58.57
MW-14	5/30/07	102.92	40-60	-	50.84	-	52.08
MW-15	5/30/07	101.50	40-60	-	54.04	-	47.46
MW-16	5/30/07	98.68	40-60	-	50.71	-	47.97
T-1**	5/30/07	100.32	76-81	-	51.91	-	48.41

**Piezometric data from wells with free product and telescoping well not used to construct the piezometric map.

CNL = Could Not Locate

Depths to fluid measurements were collected relative to the top of casing for each well using a hydrocarbon interface probe capable of detecting and measuring a hydrocarbon product thickness of 0.01 foot or 1/8 inch. Groundwater elevations were then determined by subtracting depth to fluid measurements from the top of casing elevations and a piezometric contour map of the uppermost aquifer surface was developed (Appendix A, Figure 3). Free phase petroleum product was detected in monitoring wells MW-1, MW-3, MW-7 and MW-11 on the day sampling was performed. Monitoring well MW-6 had insufficient amount of water in the well to collect samples for all parameters requested by SCDHEC. There was only enough volume to collect samples for BTEX, Nap. and MTBE. Monitoring well MW-12 could not be located, due to recent construction of a flower bed and sitting area constructed with brick sidewalks and patios, which may have destroyed or covered the well. The city of Ware Shoals performed this construction.

Hydraulic Conductivity & Transmissivity

As directed by SCDHEC, a slug test was performed to calculate the hydraulic conductivity (*K*) and transmissivity. Monitoring well MW-13 was utilized for data collection and the hydraulic conductivity and transmissivity were calculated by the Bouwer-Rice method. The hydraulic conductivity calculated was 0.0920943 m/day (0.3021 ft/day). The transmissivity was calculated to be 2.1053 m^2/day. Hydraulic conductivity and transmissivity calculations can be found in Appendix C.

Average Linear Flow Velocity and Hydraulic Gradient

The hydraulic gradient calculation was performed utilizing data from monitoring wells MW-2, MW-6, and MW-16. The resulting hydraulic gradient is calculated to be 0.0602 ft/ft. The linear flow velocity is calculated using a modified form of Darcy's Law:

$$V=K/n\ (\Delta h/\Delta L)$$

where:
V = the average linear flow velocity (L/t)
K = the hydraulic conductivity (L/t)
n = the estimated effective porosity (%) = 40%
$\Delta h/\Delta l$ = the hydraulic gradient (L/L)

The linear flow velocity is calculated to be 0.0454 ft/day (16.59 ft/yr). This is used to represent the migration of COC.

4.0 GROUNDWATER QUALITY

KLM personnel performed the groundwater-sampling event on May 30th, 2007. Results from the most recent sampling event are included in the table for comparison.

TABLE 2
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	Lead	EDB
RBSL	**--**	**5**	**1000**	**700**	**10000**	**40**	**25**	**15**	**0.05**
MW-1	2/28/06	NS	NS	NS	NS	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-2	2/28/06	**3800**	**41000**	**4100**	**22500**	**1100**	**<400**	NS	**10**
	5/30/07	**1300**	**20000**	**1900**	**12300**	**1900**	**400**	<5.0	**15**
MW-3	2/28/06	NS	NS	NS	NS	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-4	2/28/06	NS	NS	NS	NS	NS	NS	NS	NS
	5/30/07	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-5	2/28/06	**410**	150	19	270	**140**	3	NS	<0.02
	5/30/07	**900**	820	150	640	**860**	13	<5	**0.20**
MW-6	2/28/06	**450**	350	650	1450	19	<1	NS	<0.02
	5/30/07	<5.0	14	6.4	40	<5.0	12	NS	NS
MW-7	2/28/06	NS	NS	NS	NS	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-9	2/28/06	<1	<1	<1	<3	<1	<1	NS	<0.02
	5/30/07	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<0.02
MW-10	2/28/06	<1	<1	<1	<3	<1	<1	NS	<0.02
	5/30/07	<5.0	9.5	<5.0	21.4	<5.0	6.7	<5.0	<0.02
MW-11	2/28/06	**12000**	**60000**	**10000**	**55000**	**37000**	**3400**	NS	**19**
	5/30/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-12	2/28/06	**130**	7	1	94	22	1	NS	<0.02
	5/30/07	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL
MW-13	5/30/07	<5.0	<5.0	<5.0	<10	<5.0	<5.0	**54**	<0.02
MW-14	5/30/07	<5.0	<5.0	<5.0	<10	<5.0	<5.0	**180**	<0.02
MW-15	5/30/07	**10000**	**42000**	**3400**	**29000**	**980**	**830**	**94**	**23**
MW-16	5/30/07	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	**27**	<0.02
T-1	2/28/06	NS	NS	NS	NS	NS	NS	NS	NS
	5/30/07	**41**	240	120	790	**1500**	**260**	<5.0	**0.71**

All results presented in the table are in ug/l unless otherwise stated. Free phase petroleum product is designated at FP, not analyzed is designated at NA, and could not locate is designated at CNL.

TABLE 3
Summary of Oxygenate Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Ethanol	(ETBE)	(DIPE)	(ETBA)	(TBA)	(TAME)	(TAA)	(TBF)
MW-1	5/30/07	FP	FP	FP	FP	FP	FP	FP	FP
MW-2	5/30/07	<2000	<100	190	<100	2300	<100	3200	<200
MW-3	5/30/07	FP	FP	FP	FP	FP	FP	FP	FP
MW-4	5/30/07	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-5	5/30/07	<200	<10	190	<100	<50	36	380	<20
MW-6	5/30/07	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	5/30/07	FP	FP	FP	FP	FP	FP	FP	FP
MW-9	5/30/07	<200	<10	<5.0	<100	<50	<10	<100	<20
MW-10	5/30/07	<200	<10	<5.0	<100	<50	<10	<100	<20
MW-11	5/30/07	FP	FP	FP	FP	FP	FP	FP	FP
MW-12	5/30/07	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL
MW-13	5/30/07	<200	<10	<5.0	<100	<50	<10	<100	<20
MW-14	5/30/07	<200	<10	<5.0	<100	<50	<10	<100	<20
MW-15	5/30/07	<20000	<1000	<500	<10000	<5000	<1000	<10000	<2000
MW-16	5/30/07	<200	<10	<5.0	<100	<50	<10	<100	<20
T-1	5/30/07	<2000	<100	88	<1000	<500	<100	<1000	<200

A minimum of three well volumes were purged from each monitoring well newly installed or not effectively bracketing the water table. Immediately after well purging was completed, groundwater samples were collected using disposable bottom entry sampling bailers, decanted into sterile glass sample containers provided by the analytical laboratory, and preserved in accordance with United States Environmental Protection Agency (USEPA) sampling protocol. Standard field parameters (pH, specific conductivity, temperature, dissolved oxygen, salinity, and turbidity) were measured and recorded for each sample during well purging and at the time of collection. Following collection in the field, the groundwater samples were submitted to the analytical laboratory and analyzed for Benzene, Toluene, Ethylbenzene, total Xylenes (BTEX), Methyl-tert Butyl Ether (MTBE), Naphthalene, EDB, 8 Oxygenates and Lead. A copy of the laboratory data and the chain-of-custody for the well sampling event is provided in Appendix D. A map with concentration levels for each well is provided as Figure 4 in Appendix A. A disposal manifest for the contaminated purge water and drill cuttings is provided in Appendix E.

5.0 CONCLUSIONS

This sampling event performed on May 30, 2007 shows the presence of free phase petroleum at the site in monitoring wells MW-1, MW-3, MW-7 and MW-11. During the AFVR event on April 25, 2007, several monitoring wells were gauged for free product including MW-1, MW-2, MW-3, MW-5, MW-6, MW-7, MW-11, and T-1. Of these wells gauged, monitoring wells MW-1, MW-7 and MW-11 had measurable free product. After performing the AFVR event on MW-1, MW-7, and MW-11 KLM waited the required 30 days before mobilizing back to the site to sample. KLM gauged free product in MW-3 which was not there approximately one month before. This may be explained by a slight drop in the water table or possible migration of the product plume. It appears that the contaminant plume has been delineated to the north, east and southeast. Because access was denied to the west no further investigation has been performed past MW-6. Newly installed well MW-15 which is located to the southwest has very high levels of contamination with Benzene at 10,000 ppb. Therefore, KLM recommends further investigation to the south and west of the Corner Stop 28. This will require requesting access past Mr. Robert Jennings property (Les's Auto) in the westerly direction and investigation on the trailer park property to the south. Furthermore, KLM recommends reinstalling MW-4 to 60 ft due to its proximity to the product plume. The deep well also shows high concentration levels and we recommend installing a deeper well to effectively delineate the vertical extent of the plume.

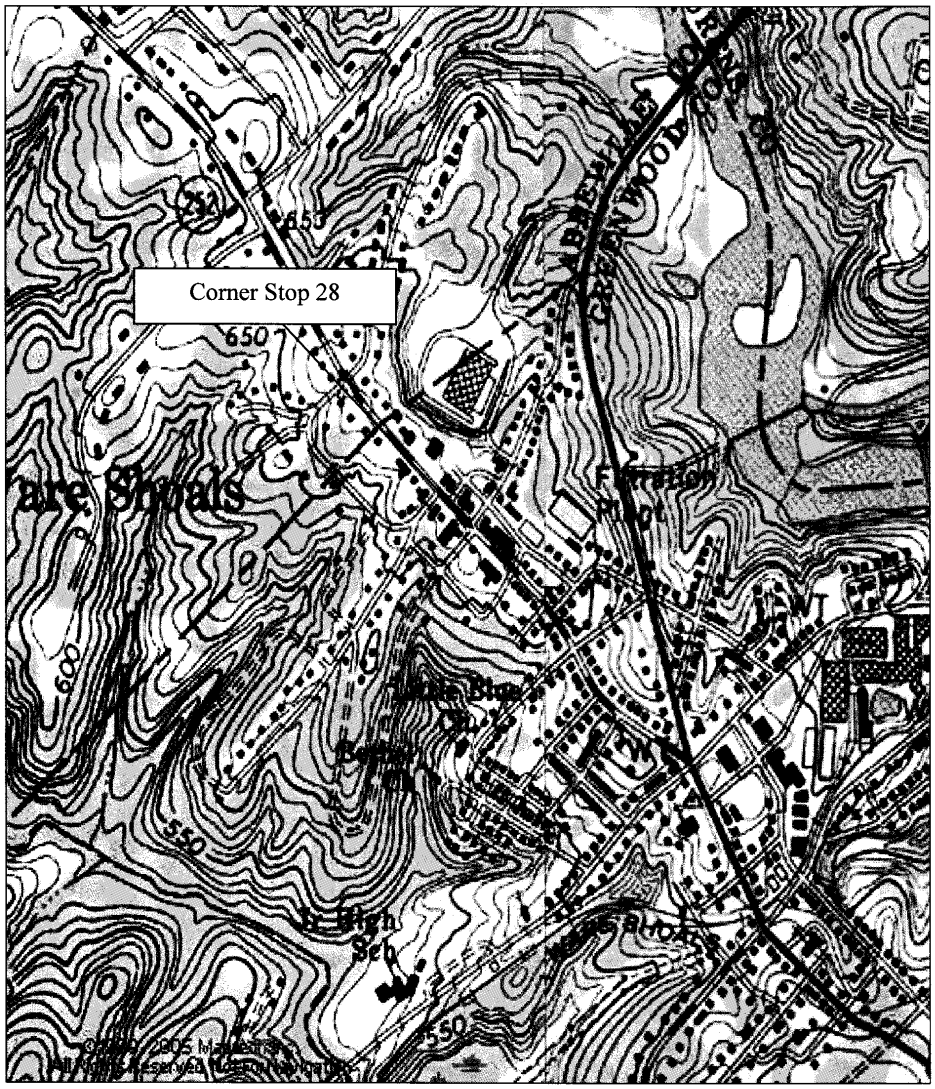
6.0 REFERENCES

Delta Environmental, Inc., *Monitoring Report*, February 2006.

South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management Underground Storage Tank Program, *South Carolina Risk-Based Corrective Action for Petroleum Releases*, May 15, 2001.

APPENDIX A

Figures



KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

Figure 1
USGS Map
Corner Stop 28
Ware Shoals, SC
Project # 05659

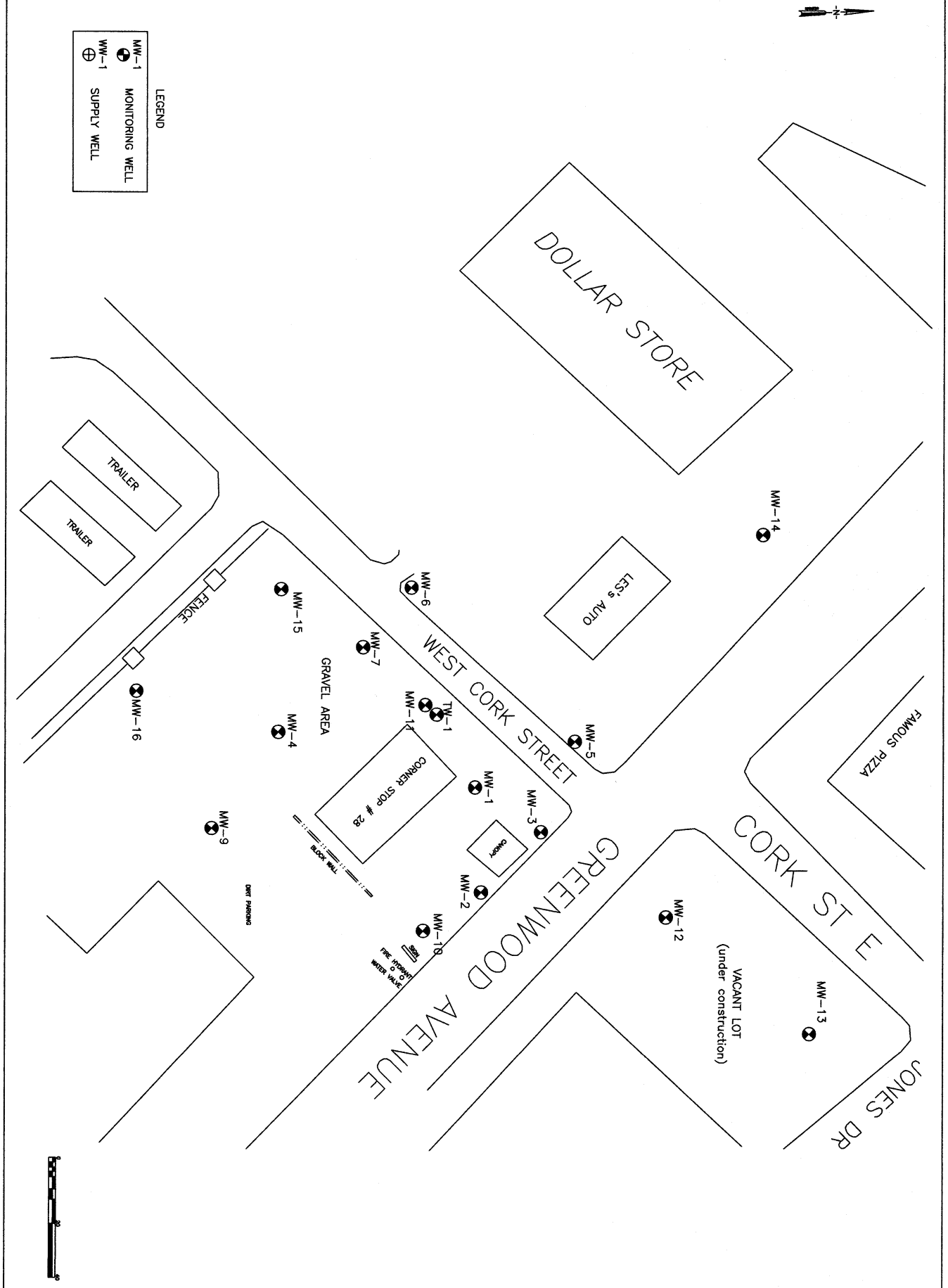
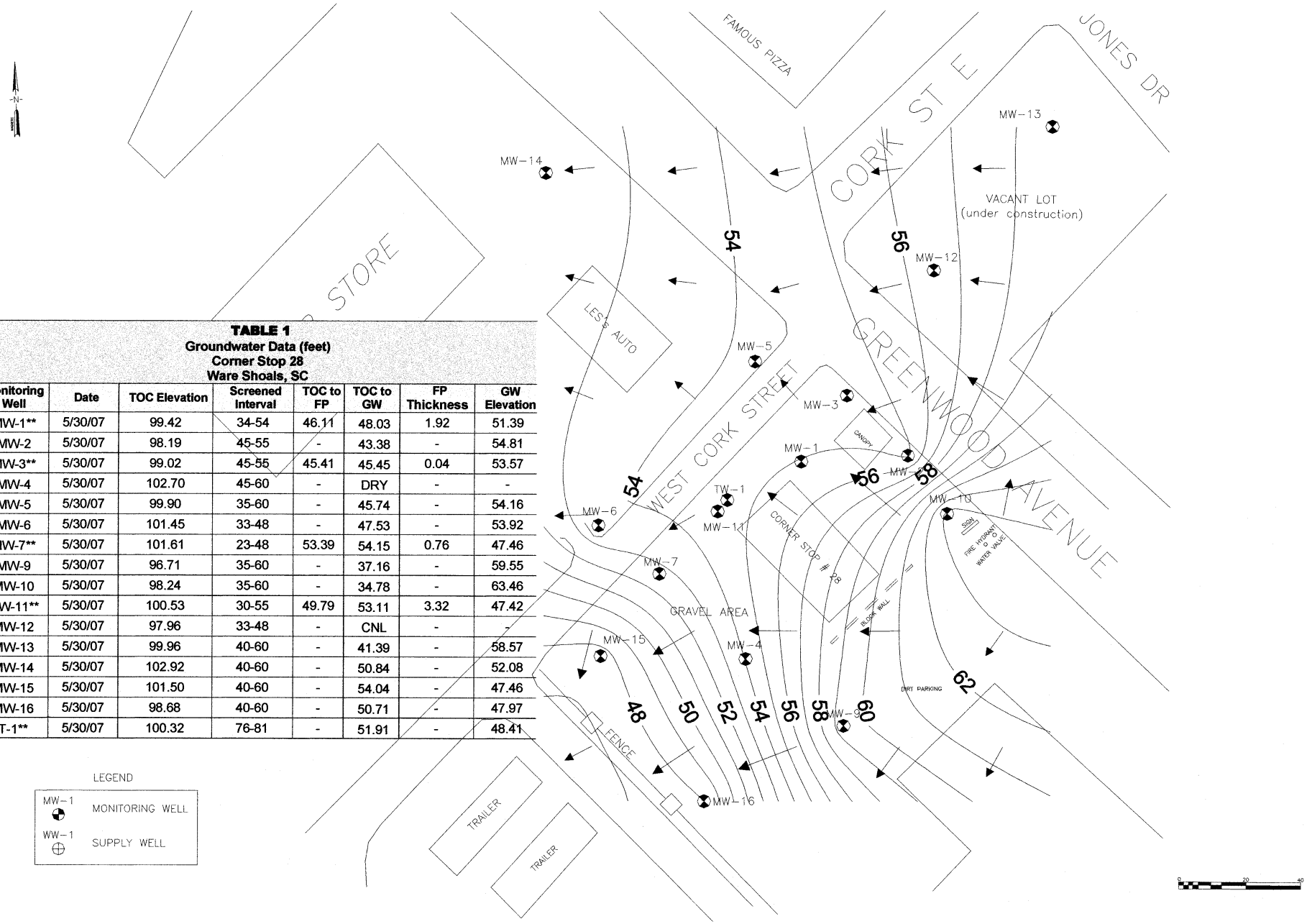


FIGURE 2
SITE MAP
CORNER STOP 28 (FORMER FAST POINT
WARE SHOALS SC SITE # 05659

KLM Environmental, LLC
Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation



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Groundwater Data (feet)
Corner Stop 28
Ware Shoals, SC

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MW-2	5/30/07	98.19	45-55	-	43.38	-	54.81
MW-3**	5/30/07	99.02	45-55	45.41	45.45	0.04	53.57
MW-4	5/30/07	102.70	45-60	-	DRY	-	-
MW-5	5/30/07	99.90	35-60	-	45.74	-	54.16
MW-6	5/30/07	101.45	33-48	-	47.53	-	53.92
MW-7**	5/30/07	101.61	23-48	53.39	54.15	0.76	47.46
MW-9	5/30/07	96.71	35-60	-	37.16	-	59.55
MW-10	5/30/07	98.24	35-60	-	34.78	-	63.46
MW-11**	5/30/07	100.53	30-55	49.79	53.11	3.32	47.42
MW-12	5/30/07	97.96	33-48	-	CNL	-	-
MW-13	5/30/07	99.96	40-60	-	41.39	-	58.57
MW-14	5/30/07	102.92	40-60	-	50.84	-	52.08
MW-15	5/30/07	101.50	40-60	-	54.04	-	47.46
MW-16	5/30/07	98.68	40-60	-	50.71	-	47.97
T-1**	5/30/07	100.32	76-81	-	51.91	-	48.41

LEGEND

MW-1 MONITORING WELL

WW-1 SUPPLY WELL

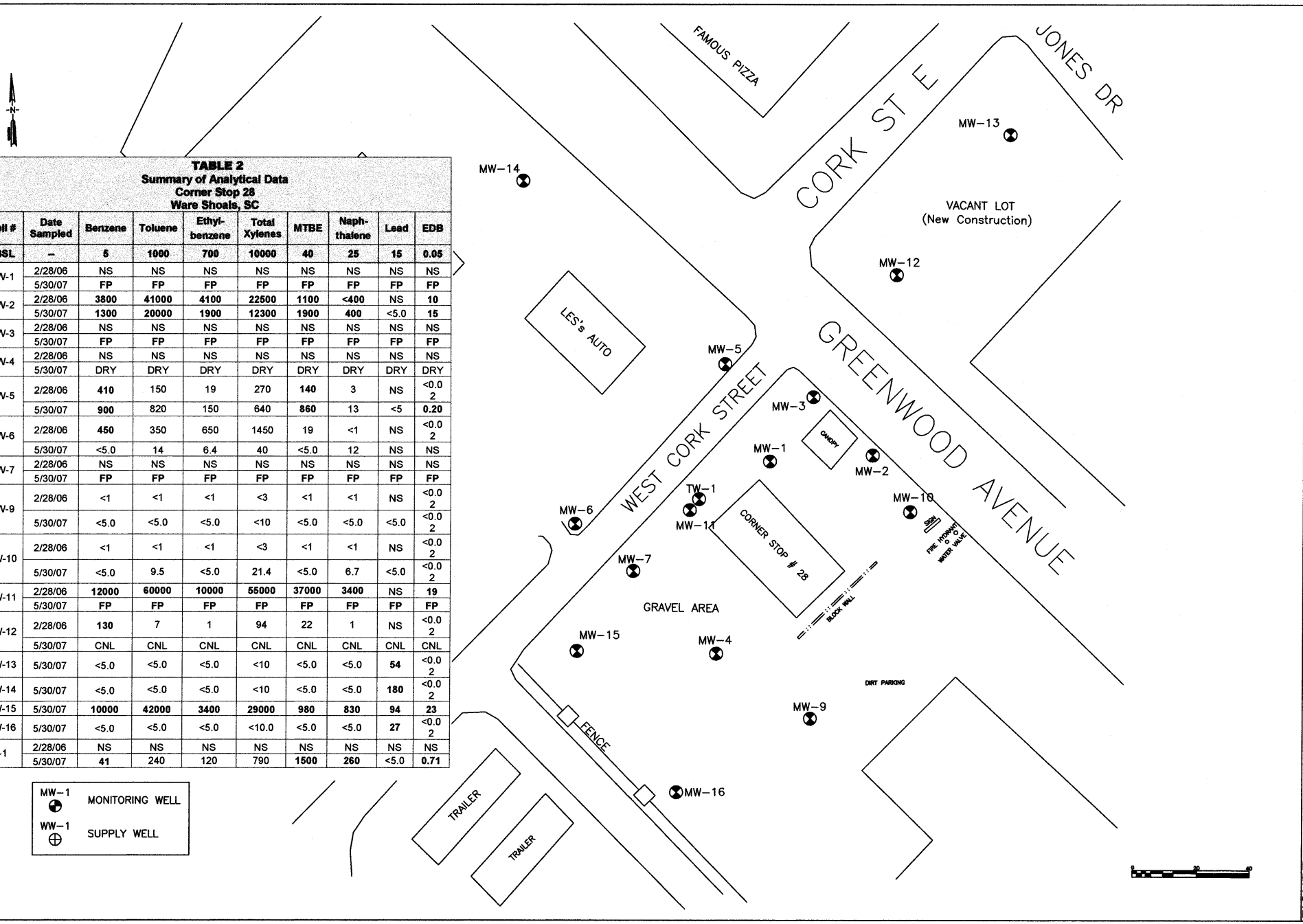
KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

FIGURE 3
PIEZOMETRIC MAP
CORNER STOP 28 (FORMER FAST POINT
WARE SHOALS SC SITE # 05659

TABLE 2
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	Lead	EDB
RBSL	**--**	**5**	**1000**	**700**	**10000**	**40**	**25**	**15**	**0.05**
MW-1	2/28/06	NS	NS	NS	NS	NS	NS	NS	NS
	5/30/07	FP	FP	FP	FP	FP	FP	FP	FP
MW-2	2/28/06	**3800**	**41000**	**4100**	**22500**	**1100**	**<400**	NS	**10**
	5/30/07	**1300**	**20000**	**1900**	**12300**	**1900**	**400**	<5.0	**15**
MW-3	2/28/06	NS	NS	NS	NS	NS	NS	NS	NS
	5/30/07	FP	FP	FP	FP	FP	FP	FP	FP
MW-4	2/28/06	NS	NS	NS	NS	NS	NS	NS	NS
	5/30/07	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-5	2/28/06	**410**	150	19	270	**140**	3	NS	<0.02
	5/30/07	**900**	820	150	640	**860**	13	<5	**0.20**
MW-6	2/28/06	**450**	350	650	1450	19	<1	NS	<0.02
	5/30/07	<5.0	14	6.4	40	<5.0	12	NS	NS
MW-7	2/28/06	NS	NS	NS	NS	NS	NS	NS	NS
	5/30/07	FP	FP	FP	FP	FP	FP	FP	FP
MW-9	2/28/06	<1	<1	<1	<3	<1	<1	NS	<0.02
	5/30/07	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<0.02
MW-10	2/28/06	<1	<1	<1	<3	<1	<1	NS	<0.02
	5/30/07	<5.0	9.5	<5.0	21.4	<5.0	6.7	<5.0	<0.02
MW-11	2/28/06	**12000**	**60000**	**10000**	**55000**	**37000**	**3400**	NS	**19**
	5/30/07	FP	FP	FP	FP	FP	FP	FP	FP
MW-12	2/28/06	**130**	7	1	94	22	1	NS	<0.02
	5/30/07	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL
MW-13	5/30/07	<5.0	<5.0	<5.0	<10	<5.0	<5.0	**54**	<0.02
MW-14	5/30/07	<5.0	<5.0	<5.0	<10	<5.0	<5.0	**180**	<0.02
MW-15	5/30/07	**10000**	**42000**	**3400**	**29000**	**980**	**830**	**94**	**23**
MW-16	5/30/07	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	**27**	<0.02
T-1	2/28/06	NS	NS	NS	NS	NS	NS	NS	NS
	5/30/07	**41**	240	120	790	**1500**	**260**	<5.0	**0.71**



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Phase I· Phase II· Underground Storage Tanks· Soil & Water Sampling· Well Installation

FIGURE 4
COC MAP
CORNER STOP 28 (FORMER FAST POINT
WARE SHOALS SC SITE # 05659

APPENDIX B

Well Construction Logs

DHEC
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop #28
Street Address: 717 North Greenwood Avenue
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-13

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

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Light Orange to Dark Orange SILT	60	60
CLAY and ROCK--Rock Outcropping at		
Surface		
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: MWA-UMW 20497

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

9. WELL DEPTH (completed) 60 ft. Date Started: 5/7/2007 Date Completed: 5/7/2007

10. CASING: ☒ Threaded ☐ Welded
Diam.: 6"
Type: ☐ PVC ☐ Galvanized ☐ Steel ☐ Other
2" in. to 40 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20.0
Set Between: 40.0 ft. and 60.0 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL 41 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 38.0 ft. to 60.0 ft.
Effective size #2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0.0 ft. to 20.0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 6/6/2007
Well Driller

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

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

DHEC
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop #28
Street Address: 717 North Greenwood Avenue
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-14

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

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Light Orange to Dark Orange SILT	60	60
CLAY and ROCK--Rock Outcropping at		
Surface		
• Indicate Water Bearing Zones		
(Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: MWA-UMW 20497

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

9. WELL DEPTH (completed) 60 ft. Date Started: 5/7/2007 Date Completed: 5/7/2007

10. CASING: ☒ Threaded ☐ Welded
Diam.: 6"
Type: ☐ PVC ☐ Galvanized ☐ Steel ☐ Other
2" in. to 40 ft. depth
_____ in. to _____ ft. depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20.0
Set Between: 40.0 ft. and 60.0 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL 50 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 38.0 ft. to 60.0 ft.
Effective size #2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0.0 ft. to 20.0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 6/6/2007
Well Driller

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

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

DHEC
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop #28
Street Address: 717 North Greenwood Avenue
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-15

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

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Light Orange to Dark Orange SILT	60	60
CLAY and ROCK--Rock Outcropping at		
Surface		
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: MWA-UMW 20497

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

9. WELL DEPTH (completed) Date Started: 5/7/2007
60 ft. Date Completed: 5/7/2007

10. CASING: ☒ Threaded ☐ Welded
Diam.: 6"
Type: ☐ PVC ☐ Galvanized ☐ Steel ☐ Other
2" in. to 40 ft. depth
_____ in. to _____ ft. depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20.0
Set Between: 40.0 ft. and 60.0 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL 50 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 38.0 ft. to 60.0 ft.
Effective size #2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0.0 ft. to 20.0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A B C D ☒ ☐ ☐ ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.
Signed: _____ Date: 6/6/2007
Well Driller
If D Level Driller, provide supervising driller's name:

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

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop #28
Street Address: 717 North Greenwood Avenue
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-16

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

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Light Orange to Dark Orange SILT	60	60
CLAY and ROCK--Rock Outcropping at		
Surface		
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: MWA-UMW 20497

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

9. WELL DEPTH (completed) Date Started: 5/7/2007
60 ft. Date Completed: 5/7/2007

10. CASING: ☒ Threaded ☐ Welded
Diam.: 6"
Type: ☐ PVC ☐ Galvanized ☐ Steel ☐ Other
2" in. to 40 ft. depth
_____ in. to _____ ft. depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20.0
Set Between: 40.0 ft. and 60.0 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL 50 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 38.0 ft. to 60.0 ft.
Effective size #2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0.0 ft. to 20.0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 6/6/2007
Well Driller

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

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

CYPRESS BAY℠ GEOLOGICAL
262 Geology Lane
Walterboro, South Carolina 29488
email: jpeurifoy@cypressbay.com
www.cypressbay.com
Office: 843.538.4017
Fax: 866.466.5658
Mobile: 843.908.5050
Pager: 843.908.5050

FIELD BORING LOG

Site:	Corner Stop 28			Boring Number:	MW-13
Client:	Worsley Companies			Date:	5/ /07
Rig:	Drill	Drill Method:	Air Hammer	Driller/Crew:	Jim Peorifoy
Drill Start:		Drill End:		GW Level/Time:	

Depth	Description	SPT Blows	Comments
0 - 8 ft	Orange silty clay		
8 - 60 ft	Orangish grey rock with silt and clay		Terminated at 60 ft.

Form BL-1v1/2006

CYPRESS BAY℠ GEOLOGICAL
262 Geology Lane
Walterboro, South Carolina 29488
email: jpeurifoy@cypressbay.com
www.cypressbay.com
Office: 843.538.4017
Fax: 866.466.5658
Mobile: 843.908.5050
Pager: 843.908.5050

FIELD BORING LOG

Site:	Corner Stop 28			Boring Number:	MW-14
Client:	Worsley Companies			Date:	5/ /07
Rig:	Drill	Drill Method:	Air Hammer	Driller/Crew:	Jim Peorifoy
Drill Start:		Drill End:		GW Level/Time:	

Depth	Description	SPT Blows	Comments
0 - 8 ft	Orange silty clay		
8 - 60 ft	Orangish grey rock with silt and clay		Terminated at 60 ft.

Form BL-1v1/2006

CYPRESS BAY℠ GEOLOGICAL
262 Geology Lane
Walterboro, South Carolina 29488
email: jpeurifoy@cypressbay.com
www.cypressbay.com
Office: 843.538.4017
Fax: 866.466.5658
Mobile: 843.908.5050
Pager: 843.908.5050

FIELD BORING LOG

Site:	Corner Stop 28			Boring Number:	MW-15
Client:	Worsley Companies			Date:	5/ /07
Rig:	Drill	Drill Method:	Air Hammer	Driller/Crew:	Jim Peorifoy
Drill Start:		Drill End:		GW Level/Time:	

Depth	Description	SPT Blows	Comments
0 - 8 ft	Orange silty clay		
8 - 60 ft	Orangish grey rock with silt and clay		Terminated at 60 ft.

Form BL-1v1/2006

CYPRESS BAY℠ GEOLOGICAL
262 Geology Lane
Walterboro, South Carolina 29488
email: jpeurifoy@cypressbay.com
www.cypressbay.com
Office: 843.538.4017
Fax: 866.466.5658
Mobile: 843.908.5050
Pager: 843.908.5050

FIELD BORING LOG

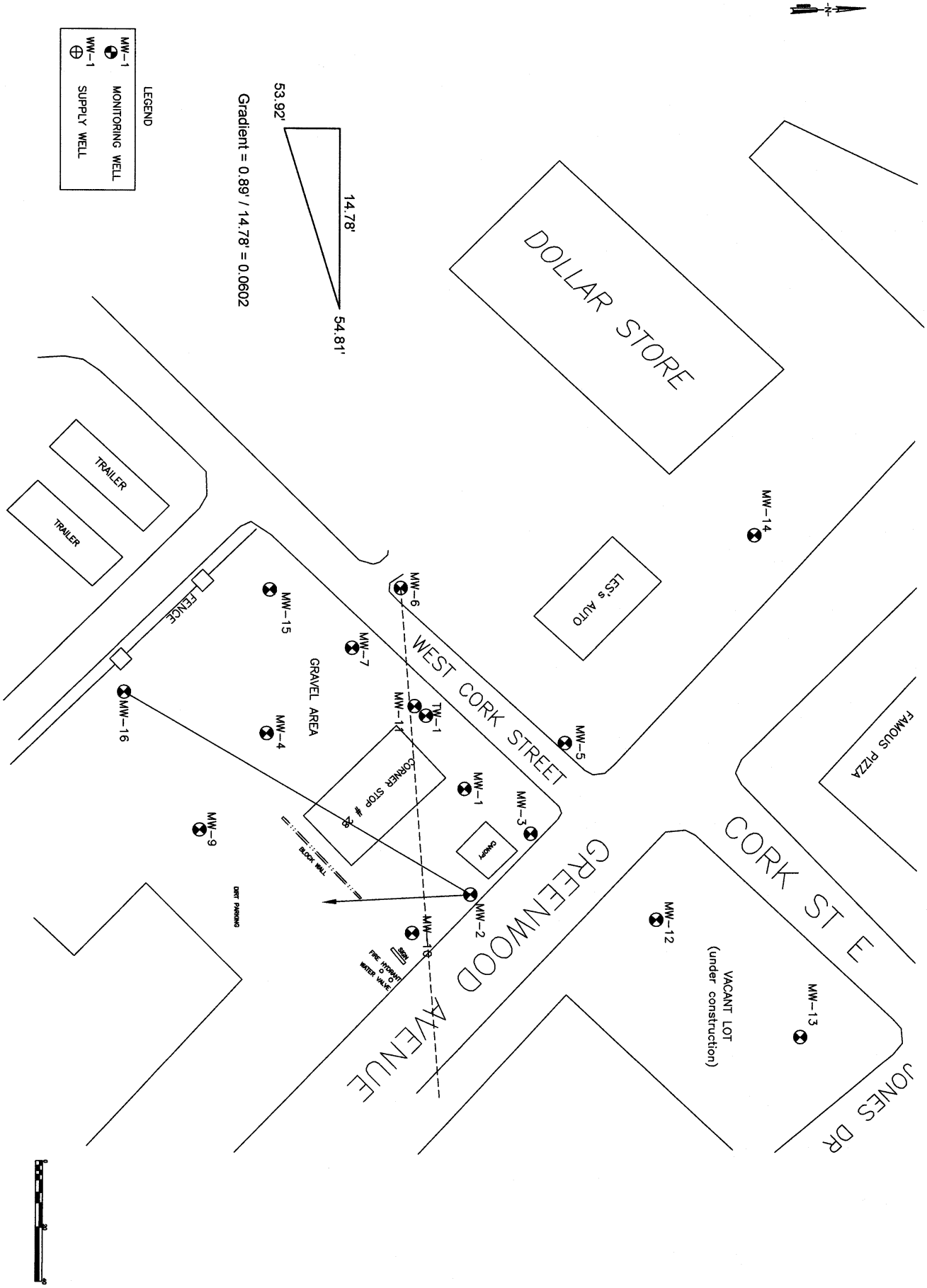
Site:	Corner Stop 28			Boring Number:	MW-16
Client:	Worsley Companies			Date:	5/ /07
Rig:	Drill	Drill Method:	Air Hammer	Driller/Crew:	Jim Peorifoy
Drill Start:		Drill End:		GW Level/Time:	

Depth	Description	SPT Blows	Comments
0 - 8 ft	Orange silty clay		
8 - 60 ft	Orangish grey rock with silt and clay		Terminated at 60 ft.

Form BL-1v1/2006

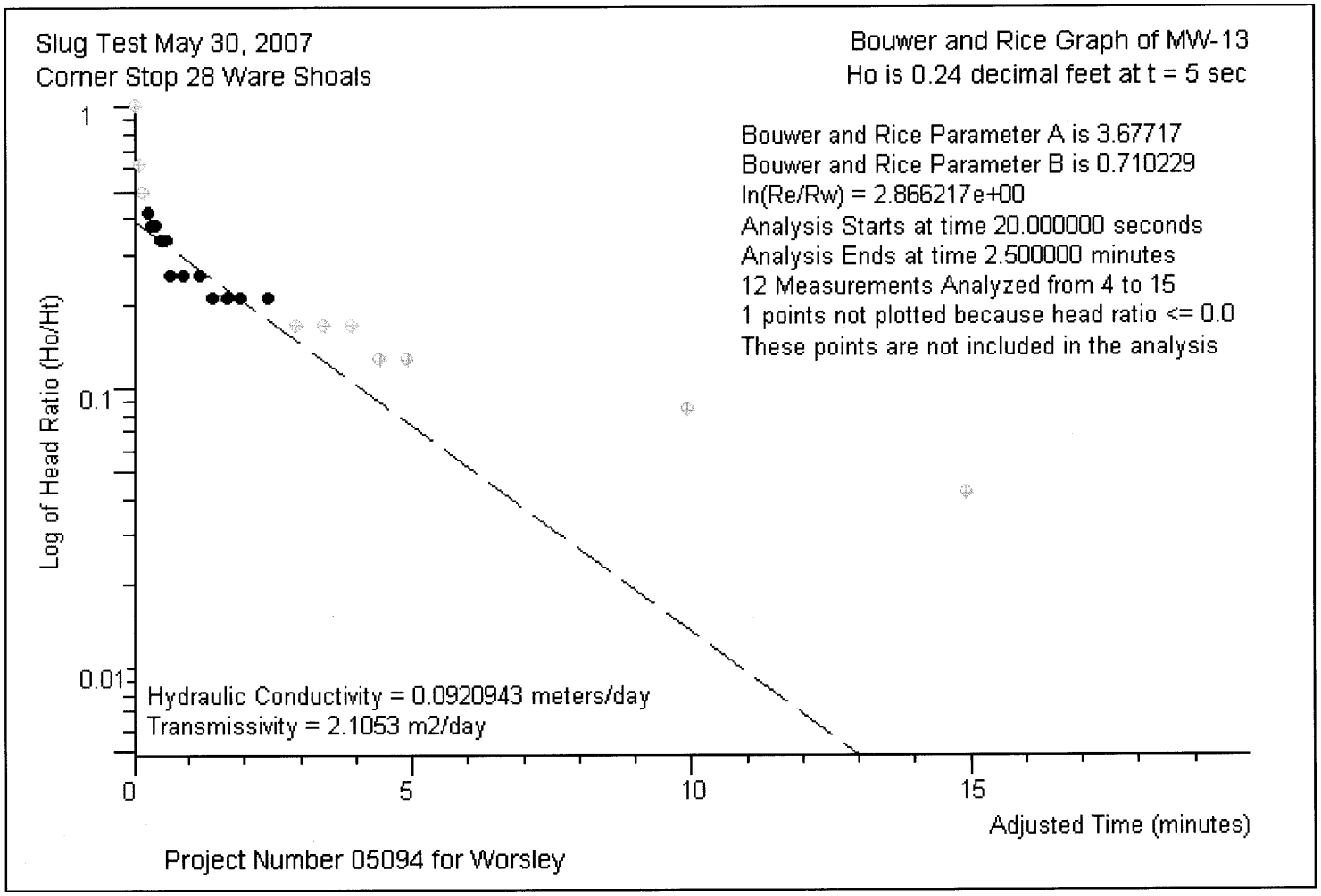
APPENDIX C

Aquifer Calculations



APPENDIX C
HYDRAULIC GRADIENT CALCULATION
CORNER STOP 28 (FORMER FAST POINT
WARE SHOALS SC SITE # 05659

KLM Environmental, LLC
Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation


Slug Test May 30, 2007
Corner Stop 28 Ware Shoals
Bouwer and Rice Graph of MW-13
Ho is 0.24 decimal feet at t = 5 sec
Bouwer and Rice Parameter A is 3.67717
Bouwer and Rice Parameter B is 0.710229
ln(Re/Rw) = 2.866217e+00
Analysis Starts at time 20.000000 seconds
Analysis Ends at time 2.500000 minutes
12 Measurements Analyzed from 4 to 15
1 points not plotted because head ratio <= 0.0
These points are not included in the analysis
Log of Head Ratio (Ho/Ht)
1
0.1
0.01
Hydraulic Conductivity = 0.0920943 meters/day
Transmissivity = 2.1053 m2/day
0
5
10
15
Adjusted Time (minutes)
Project Number 05094 for Worsley

Data from file:	C:\WIN-SITU\CNRSP13.SLG
Title:	Slug Test
Site Name:	Corner Stop 28
Location:	Ware Shoals
Client:	Worsley
Project Number:	05094
Test Date:	May 30, 2007
Well Number:	MW-13
Casing Radius:	1 inches
Effective Well Radius:	3 inches
Aquifer Thickness:	75.0001 feet
Water Table to Screen Bottom:	18.73 feet
Screen Length:	20 feet
Static Water Level:	0 decimal feet

K ratio is not entered
There are 23 time and drawdown measurements
Tests starts with trial 1
Time values will be adjusted by 5.78704e-05 days (5.000002 seconds)

Trial	Time (seconds)	Adjusted Time (seconds)	Drawdown (decimal feet)	Head (decimal feet)	Head Ratio
1	5	0	0.24	0.24	1
2	10	5.00002	0.15	0.15	0.625001
3	15	9.99999	0.12	0.12	0.499999
4	20	15	0.1	0.1	0.416667
5	25	20	0.0899999	0.0899999	0.374999
6	30	25	0.0899999	0.0899999	0.374999
7	35	30	0.08	0.08	0.333333
8	40	35	0.08	0.08	0.333333
9	45	40	0.0599999	0.0599999	0.25
10	60	55	0.0599999	0.0599999	0.25
11	75	70	0.0599999	0.0599999	0.25
12	90.0003	85.0003	0.05	0.05	0.208334
13	105	100	0.05	0.05	0.208334
14	120	115	0.05	0.05	0.208334
15	150	145	0.05	0.05	0.208334
16	180	175	0.0399998	0.0399998	0.166666
17	210	205	0.0399998	0.0399998	0.166666
18	240	235	0.0399998	0.0399998	0.166666
19	270	265	0.03	0.03	0.125
20	300	295	0.03	0.03	0.125
21	600	595	0.02	0.02	0.0833333
22	900.003	895.003	0.01	0.01	0.0416667
23	1200	1195	0	0	0

SUMMARY of SLUG TEST

SOUTH CAROLINA
Department of Health and Environmental Control (DHEC)

Site Data

SITE ID# 05659 COUNTY: Greenwood

FACILITY NAME: Corner Stop 28

Slug Data

See Appendix C 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	**MW-13**			
Initial Rise/Drawdown in well (feet)	-0.24			
Radius of Well Casing (feet)	0.08333			
Effective Radius of Well (feet)	0.25			
Static Saturated Aquifer Thickness (feet)	75			
Length of Well Screen (feet)	20			
Static Height of Water Column in Well (feet)	18.73			

Calculations

See Appendix D Table _____ Figure _____ for calculations. (Complete as appropriate).
The method for aquifer calculations was Bouwer-Rice (i.e. Bouwer-Rice, Cooper, etc.)

Calculated values by well were as follows:

Slug Test Conducted in well(s) number	**MW-13**			
Hydraulic Conductivity	0.09209 m/day			

Thickness of the aquifer used to calculate hydraulic conductivity was 75 feet.

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

The estimated seepage velocity is 5.058 meters per year based on a hydraulic conductivity of 0.09209 meters/day, a hydraulic gradient of 0.0602 m/m, and a porosity of 40 percent for rock clay and silt soil (list type i.e., silty sand, clay, etc.).

SUMMARY of SLUG TEST

APPENDIX D

Laboratory Data

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

June 13, 2007

Mr. Mark Keller
KLM Environmental
PO Box 2704
Goose Creek, SC 29445

RE: Lab Project Number: 92145683
Client Project ID: Corner Stop 28 05094

Dear Mr. Keller:

Enclosed are the analytical results for sample(s) received by the laboratory on June 1, 2007. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals Analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Charlotte laboratory unless otherwise footnoted.

The results relate only to samples in this report.

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

Sincerely,

Bonnie McKee

Bonnie McKee
bonnie.mckee@pacelabs.com
(704) 875-9092 ext. 234
Project Manager

Enclosures

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

SAMPLE SUMMARY

Lab Project Number: 92145683
Client Project ID: Corner Stop 28 05094

Project Sample Number	Sample Number	Client Sample ID	Matrix	Date Collected	Date Received
92145683-001	928456839	MW-2	Water	05/30/07 12:40	06/01/07 09:15
92145683-002	928456904	MW-5	Water	05/30/07 12:10	06/01/07 09:15
92145683-003	928456961	MW-6	Water	05/30/07 12:30	06/01/07 09:15
92145683-004	928456979	MW-9	Water	05/30/07 12:50	06/01/07 09:15
92145683-005	928456987	MW-10	Water	05/30/07 13:00	06/01/07 09:15
92145683-006	928456995	MW-13	Water	05/30/07 10:45	06/01/07 09:15
92145683-007	928457001	MW-14	Water	05/30/07 11:00	06/01/07 09:15
92145683-008	928457019	MW-15	Water	05/30/07 12:00	06/01/07 09:15
92145683-009	928457027	MW-16	Water	05/30/07 11:30	06/01/07 09:15
92145683-010	928457035	T-1	Water	05/30/07 14:00	06/01/07 09:15

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

SAMPLE ANALYTE COUNT

Lab Project Number: 92145683
Client Project ID: Corner Stop 28 05094

Project Sample Number	Sample No	Client Sample ID	Analysis Code	Analysis Description	Analytes Reported
92145683-001	928456839	MW-2	6010T WL92	Metals by Trace ICP	2
			8260O WL92	GC/MS OXYs by 8260, low level	19
			EDB WL92	EDB and DBCP in Water	4
92145683-002	928456904	MW-5	6010T WL92	Metals by Trace ICP	2
			8260O WL92	GC/MS OXYs by 8260, low level	19
			EDB WL92	EDB and DBCP in Water	4
92145683-003	928456961	MW-6	8260 WL92	GC/MS VOCs by 8260	70
92145683-004	928456979	MW-9	6010T WL92	Metals by Trace ICP	2
			8260O WL92	GC/MS OXYs by 8260, low level	19
			EDB WL92	EDB and DBCP in Water	4
92145683-005	928456987	MW-10	6010T WL92	Metals by Trace ICP	2
			8260O WL92	GC/MS OXYs by 8260, low level	19
			EDB WL92	EDB and DBCP in Water	4
92145683-006	928456995	MW-13	6010T WL92	Metals by Trace ICP	2
			8260O WL92	GC/MS OXYs by 8260, low level	19
			EDB WL92	EDB and DBCP in Water	4
92145683-007	928457001	MW-14	6010T WL92	Metals by Trace ICP	2
			8260O WL92	GC/MS OXYs by 8260, low level	19
			EDB WL92	EDB and DBCP in Water	4
92145683-008	928457019	MW-15	6010T WL92	Metals by Trace ICP	2
			8260O WL92	GC/MS OXYs by 8260, low level	19
			EDB WL92	EDB and DBCP in Water	4
92145683-009	928457027	MW-16	6010T WL92	Metals by Trace ICP	2
			8260O WL92	GC/MS OXYs by 8260, low level	19
			EDB WL92	EDB and DBCP in Water	4
92145683-010	928457035	T-1	6010T WL92	Metals by Trace ICP	2
			8260O WL92	GC/MS OXYs by 8260, low level	19
			EDB WL92	EDB and DBCP in Water	4

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Lab Project Number: 92145683
Client Project ID: Corner Stop 28 05094

Lab Sample No: 928456839 Project Sample Number: 92145683-001 Date Collected: 05/30/07 12:40
Client Sample ID: MW-2 Matrix: Water Date Received: 06/01/07 09:15

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010								
Lead	ND	ug/l	5.0	4.0	06/07/07 21:52	SHB	7439-92-1		
Date Digested	06/05/07 11:00				06/05/07 11:00				
GC Semivolatiles									
EDB and DBCP in Water	Method: EPA 8011								
1,2-Dibromoethane (EDB)	15.	ug/l	0.40	0.16	06/09/07 20:36	RCS1	106-93-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	0.050	0.012	06/09/07 20:36	RCS1	96-12-8		
1,2,3-Trichloropropane	ND	ug/l	0.050	0.033	06/09/07 20:36	RCS1	96-18-4		
1-Chloro-2-bromopropane (S)	109	%			06/09/07 20:36	RCS1	301-79-56		
GC/MS Volatiles									
GC/MS OXYs by 8260, low level	Method: EPA 8260								
tert-Amyl Alcohol	3200	ug/l	1000		06/05/07 23:14	MCK	75-85-4		
tert-Amylmethyl ether	ND	ug/l	100		06/05/07 23:14	MCK	994-05-8		
Benzene	1300	ug/l	50.		06/05/07 23:14	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	200		06/05/07 23:14	MCK	762-75-4		
Diisopropyl ether	190	ug/l	50.		06/05/07 23:14	MCK	108-20-3		
3,3-Dimethyl-1-butanol	ND	ug/l	1000		06/05/07 23:14	MCK	624-95-3		
Ethanol	ND	ug/l	2000		06/05/07 23:14	MCK	64-17-5		
Ethylbenzene	1900	ug/l	50.		06/05/07 23:14	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	100		06/05/07 23:14	MCK	637-92-3		
tert-Butyl Alcohol	2300	ug/l	500		06/05/07 23:14	MCK	75-65-0		
Methyl-tert-butyl ether	1900	ug/l	500		06/05/07 23:14	MCK	1634-04-4		
Naphthalene	400	ug/l	50.		06/05/07 23:14	MCK	91-20-3		
Toluene	20000	ug/l	500		06/05/07 23:14	MCK	108-88-3		
m&p-Xylene	7700	ug/l	1000		06/05/07 23:14	MCK			
o-Xylene	4600	ug/l	500		06/05/07 23:14	MCK	95-47-6		
Toluene-d8 (S)	103	%			06/05/07 23:14	MCK	2037-26-5		
4-Bromofluorobenzene (S)	105	%			06/05/07 23:14	MCK	460-00-4		
Dibromofluoromethane (S)	99	%			06/05/07 23:14	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	102	%			06/05/07 23:14	MCK	17060-07-0		

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Lab Project Number: 92145683
Client Project ID: Corner Stop 28 05094

Lab Sample No: 928456904 | Project Sample Number: 92145683-002 | Date Collected: 05/30/07 12:10
Client Sample ID: MW-5 | Matrix: Water | Date Received: 06/01/07 09:15

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010								
Lead	ND	ug/l	5.0	4.0	06/07/07 21:56	SHB	7439-92-1		
Date Digested	06/05/07 11:00				06/05/07 11:00				
GC Semivolatiles									
EDB and DBCP in Water	Method: EPA 8011								
1,2-Dibromoethane (EDB)	0.20	ug/l	0.020	0.008	06/09/07 20:44	RCS1	106-93-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	0.050	0.012	06/09/07 20:44	RCS1	96-12-8		
1,2,3-Trichloropropane	ND	ug/l	0.050	0.033	06/09/07 20:44	RCS1	96-18-4		
1-Chloro-2-bromopropane (S)	123	%			06/09/07 20:44	RCS1	301-79-56		
GC/MS Volatiles									
GC/MS OXYs by 8260, low level	Method: EPA 8260								
tert-Amyl Alcohol	380	ug/l	100		06/05/07 20:14	MCK	75-85-4		
tert-Amylmethyl ether	36.	ug/l	10.		06/05/07 20:14	MCK	994-05-8		
Benzene	900	ug/l	100		06/05/07 20:14	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.		06/05/07 20:14	MCK	762-75-4		
Diisopropyl ether	190	ug/l	5.0		06/05/07 20:14	MCK	108-20-3		
3,3-Dimethyl-1-butanol	ND	ug/l	100		06/05/07 20:14	MCK	624-95-3		
Ethanol	ND	ug/l	200		06/05/07 20:14	MCK	64-17-5		
Ethylbenzene	150	ug/l	5.0		06/05/07 20:14	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.		06/05/07 20:14	MCK	637-92-3		
tert-Butyl Alcohol	ND	ug/l	50.		06/05/07 20:14	MCK	75-65-0		
Methyl-tert-butyl ether	860	ug/l	100		06/05/07 20:14	MCK	1634-04-4		
Naphthalene	13.	ug/l	5.0		06/05/07 20:14	MCK	91-20-3		
Toluene	820	ug/l	100		06/05/07 20:14	MCK	108-88-3		
m&p-Xylene	440	ug/l	200		06/05/07 20:14	MCK			
o-Xylene	200	ug/l	100		06/05/07 20:14	MCK	95-47-6		
Toluene-d8 (S)	103	%			06/05/07 20:14	MCK	2037-26-5		
4-Bromofluorobenzene (S)	103	%			06/05/07 20:14	MCK	460-00-4		
Dibromofluoromethane (S)	98	%			06/05/07 20:14	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	102	%			06/05/07 20:14	MCK	17060-07-0		

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F

Lab Project Number: 92145683
Client Project ID: Corner Stop 28 05094

Lab Sample No: 928456961 | Project Sample Number: 92145683-003 | Date Collected: 05/30/07 12:30
Client Sample ID: MW-6 | Matrix: Water | Date Received: 06/01/07 09:15

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles									
GC/MS VOCs by 8260	Method: EPA 8260								
Acetone	13. J	ug/l	25.	6.3	06/05/07 20:29	MCK	67-64-1		
Benzene	ND	ug/l	5.0	1.7	06/05/07 20:29	MCK	71-43-2		
Bromobenzene	ND	ug/l	5.0	0.95	06/05/07 20:29	MCK	108-86-1		
Bromochloromethane	ND	ug/l	5.0	2.1	06/05/07 20:29	MCK	74-97-5		
Bromodichloromethane	ND	ug/l	5.0	1.4	06/05/07 20:29	MCK	75-27-4		
Bromoform	ND	ug/l	5.0	1.4	06/05/07 20:29	MCK	75-25-2		
Bromomethane	ND	ug/l	5.0	8.4	06/05/07 20:29	MCK	74-83-9		
2-Butanone (MEK)	ND	ug/l	10.	6.5	06/05/07 20:29	MCK	78-93-3		
n-Butylbenzene	ND	ug/l	5.0	1.9	06/05/07 20:29	MCK	104-51-8		
sec-Butylbenzene	ND	ug/l	5.0	1.6	06/05/07 20:29	MCK	135-98-8		
tert-Butylbenzene	ND	ug/l	5.0	1.7	06/05/07 20:29	MCK	98-06-6		
Carbon tetrachloride	ND	ug/l	5.0	2.8	06/05/07 20:29	MCK	56-23-5		
Chlorobenzene	ND	ug/l	5.0	1.0	06/05/07 20:29	MCK	108-90-7		
Chloroethane	ND	ug/l	10.	3.7	06/05/07 20:29	MCK	75-00-3		
Chloroform	ND	ug/l	5.0	2.2	06/05/07 20:29	MCK	67-66-3		
Chloromethane	ND	ug/l	5.0	1.2	06/05/07 20:29	MCK	74-87-3		
2-Chlorotoluene	ND	ug/l	5.0	3.7	06/05/07 20:29	MCK	95-49-8		
4-Chlorotoluene	ND	ug/l	5.0	1.1	06/05/07 20:29	MCK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	5.0	1.5	06/05/07 20:29	MCK	96-12-8		
Dibromochloromethane	ND	ug/l	5.0	0.97	06/05/07 20:29	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	5.0	1.1	06/05/07 20:29	MCK	106-93-4		
Dibromomethane	ND	ug/l	5.0	1.4	06/05/07 20:29	MCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	5.0	0.86	06/05/07 20:29	MCK	95-50-1		
1,3-Dichlorobenzene	ND	ug/l	5.0	0.96	06/05/07 20:29	MCK	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	5.0	0.99	06/05/07 20:29	MCK	106-46-7		
Dichlorodifluoromethane	ND	ug/l	5.0	2.4	06/05/07 20:29	MCK	75-71-8		
1,1-Dichloroethane	ND	ug/l	5.0	2.6	06/05/07 20:29	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	5.0	2.1	06/05/07 20:29	MCK	107-06-2		
1,1-Dichloroethene	ND	ug/l	5.0	4.2	06/05/07 20:29	MCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	5.0	2.3	06/05/07 20:29	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	5.0	2.8	06/05/07 20:29	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	5.0	1.6	06/05/07 20:29	MCK	78-87-5		
1,3-Dichloropropane	ND	ug/l	5.0	1.1	06/05/07 20:29	MCK	142-28-9		
2,2-Dichloropropane	ND	ug/l	5.0	2.8	06/05/07 20:29	MCK	594-20-7		
1,1-Dichloropropene	ND	ug/l	5.0	3.2	06/05/07 20:29	MCK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/l	5.0	1.7	06/05/07 20:29	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	5.0	1.6	06/05/07 20:29	MCK	10061-02-6		

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Lab Project Number: 92145683
Client Project ID: Corner Stop 28 05094

Lab Sample No: 928456961 | Project Sample Number: 92145683-003 | Date Collected: 05/30/07 12:30
Client Sample ID: MW-6 | Matrix: Water | Date Received: 06/01/07 09:15

Parameters	Results		Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Diisopropyl ether	20.		ug/l	5.0	2.2	06/05/07 20:29	MCK	108-20-3		
Ethylbenzene	6.4		ug/l	5.0	1.4	06/05/07 20:29	MCK	100-41-4		
Hexachloro-1,3-butadiene	ND		ug/l	5.0	1.9	06/05/07 20:29	MCK	87-68-3		
2-Hexanone	ND		ug/l	10.	4.3	06/05/07 20:29	MCK	591-78-6		
Isopropylbenzene (Cumene)	ND		ug/l	5.0	1.6	06/05/07 20:29	MCK	98-82-8		
p-Isopropyltoluene	ND		ug/l	5.0	1.7	06/05/07 20:29	MCK	99-87-6		
Methylene chloride	ND		ug/l	5.0	2.2	06/05/07 20:29	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND		ug/l	10.	4.3	06/05/07 20:29	MCK	108-10-1		
Methyl-tert-butyl ether	2.3	J	ug/l	5.0	2.3	06/05/07 20:29	MCK	1634-04-4		
Naphthalene	12.		ug/l	5.0	2.5	06/05/07 20:29	MCK	91-20-3		
n-Propylbenzene	3.4	J	ug/l	5.0	1.6	06/05/07 20:29	MCK	103-65-1		
Styrene	ND		ug/l	5.0	1.2	06/05/07 20:29	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	1.1	06/05/07 20:29	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	2.1	06/05/07 20:29	MCK	79-34-5		
Tetrachloroethene	ND		ug/l	5.0	1.3	06/05/07 20:29	MCK	127-18-4		
Toluene	14.		ug/l	5.0	2.0	06/05/07 20:29	MCK	108-88-3		
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.6	06/05/07 20:29	MCK	87-61-6		
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.5	06/05/07 20:29	MCK	120-82-1		
1,1,1-Trichloroethane	ND		ug/l	5.0	3.4	06/05/07 20:29	MCK	71-55-6		
1,1,2-Trichloroethane	ND		ug/l	5.0	1.9	06/05/07 20:29	MCK	79-00-5		
Trichloroethene	ND		ug/l	5.0	2.6	06/05/07 20:29	MCK	79-01-6		
Trichlorofluoromethane	ND		ug/l	10.	3.4	06/05/07 20:29	MCK	75-69-4		
1,2,3-Trichloropropane	ND		ug/l	5.0	1.4	06/05/07 20:29	MCK	96-18-4		
1,2,4-Trimethylbenzene	31.		ug/l	5.0	1.1	06/05/07 20:29	MCK	95-63-6		
1,3,5-Trimethylbenzene	8.2		ug/l	5.0	1.3	06/05/07 20:29	MCK	108-67-8		
Vinyl acetate	ND		ug/l	10.	5.3	06/05/07 20:29	MCK	108-05-4		
Vinyl chloride	ND		ug/l	5.0	1.2	06/05/07 20:29	MCK	75-01-4		
m&p-Xylene	27.		ug/l	10.	2.8	06/05/07 20:29	MCK			
o-Xylene	13.		ug/l	5.0	1.4	06/05/07 20:29	MCK	95-47-6		
Toluene-d8 (S)	103		%			06/05/07 20:29	MCK	2037-26-5		
4-Bromofluorobenzene (S)	101		%			06/05/07 20:29	MCK	460-00-4		
Dibromofluoromethane (S)	101		%			06/05/07 20:29	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	99		%			06/05/07 20:29	MCK	17060-07-0		

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Lab Project Number: 92145683
Client Project ID: Corner Stop 28 05094

Lab Sample No: 928456979 | Project Sample Number: 92145683-004 | Date Collected: 05/30/07 12:50
Client Sample ID: MW-9 | Matrix: Water | Date Received: 06/01/07 09:15

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010								
Lead	ND	ug/l	5.0	4.0	06/07/07 21:59	SHB	7439-92-1		
Date Digested	06/05/07 11:00				06/05/07 11:00				
GC Semivolatiles									
EDB and DBCP in Water	Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	0.008	06/09/07 20:53	RCS1	106-93-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	0.050	0.012	06/09/07 20:53	RCS1	96-12-8		
1,2,3-Trichloropropane	ND	ug/l	0.050	0.033	06/09/07 20:53	RCS1	96-18-4		
1-Chloro-2-bromopropane (S)	89	%			06/09/07 20:53	RCS1	301-79-56		
GC/MS Volatiles									
GC/MS OXYs by 8260, low level	Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/l	100		06/05/07 20:44	MCK	75-85-4		
tert-Amylmethyl ether	ND	ug/l	10.		06/05/07 20:44	MCK	994-05-8		
Benzene	ND	ug/l	5.0		06/05/07 20:44	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.		06/05/07 20:44	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	5.0		06/05/07 20:44	MCK	108-20-3		
3,3-Dimethyl-1-butanol	ND	ug/l	100		06/05/07 20:44	MCK	624-95-3		
Ethanol	ND	ug/l	200		06/05/07 20:44	MCK	64-17-5		
Ethylbenzene	ND	ug/l	5.0		06/05/07 20:44	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.		06/05/07 20:44	MCK	637-92-3		
tert-Butyl Alcohol	ND	ug/l	50.		06/05/07 20:44	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	5.0		06/05/07 20:44	MCK	1634-04-4		
Naphthalene	ND	ug/l	5.0		06/05/07 20:44	MCK	91-20-3		
Toluene	ND	ug/l	5.0		06/05/07 20:44	MCK	108-88-3		
m&p-Xylene	ND	ug/l	10.		06/05/07 20:44	MCK			
o-Xylene	ND	ug/l	5.0		06/05/07 20:44	MCK	95-47-6		
Toluene-d8 (S)	100	%			06/05/07 20:44	MCK	2037-26-5		
4-Bromofluorobenzene (S)	99	%			06/05/07 20:44	MCK	460-00-4		
Dibromofluoromethane (S)	100	%			06/05/07 20:44	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	103	%			06/05/07 20:44	MCK	17060-07-0		

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Phone: 704.875.9092
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Lab Project Number: 92145683
Client Project ID: Corner Stop 28 05094

Lab Sample No: 928456987 | Project Sample Number: 92145683-005 | Date Collected: 05/30/07 13:00
Client Sample ID: MW-10 | Matrix: Water | Date Received: 06/01/07 09:15

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010								
Lead	ND	ug/l	5.0	4.0	06/07/07 22:03	SHB	7439-92-1		
Date Digested	06/05/07 11:00				06/05/07 11:00				
GC Semivolatiles									
EDB and DBCP in Water	Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	0.008	06/09/07 21:01	RCS1	106-93-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	0.050	0.012	06/09/07 21:01	RCS1	96-12-8		
1,2,3-Trichloropropane	ND	ug/l	0.050	0.033	06/09/07 21:01	RCS1	96-18-4		
1-Chloro-2-bromopropane (S)	91	%			06/09/07 21:01	RCS1	301-79-56		
GC/MS Volatiles									
GC/MS OXYs by 8260, low level	Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/l	100		06/05/07 21:14	MCK	75-85-4		
tert-Amylmethyl ether	ND	ug/l	10.		06/05/07 21:14	MCK	994-05-8		
Benzene	ND	ug/l	5.0		06/05/07 21:14	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.		06/05/07 21:14	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	5.0		06/05/07 21:14	MCK	108-20-3		
3,3-Dimethyl-1-butanol	ND	ug/l	100		06/05/07 21:14	MCK	624-95-3		
Ethanol	ND	ug/l	200		06/05/07 21:14	MCK	64-17-5		
Ethylbenzene	ND	ug/l	5.0		06/05/07 21:14	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.		06/05/07 21:14	MCK	637-92-3		
tert-Butyl Alcohol	ND	ug/l	50.		06/05/07 21:14	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	5.0		06/05/07 21:14	MCK	1634-04-4		
Naphthalene	6.7	ug/l	5.0		06/05/07 21:14	MCK	91-20-3		
Toluene	9.5	ug/l	5.0		06/05/07 21:14	MCK	108-88-3		
m&p-Xylene	14.	ug/l	10.		06/05/07 21:14	MCK			
o-Xylene	7.4	ug/l	5.0		06/05/07 21:14	MCK	95-47-6		
Toluene-d8 (S)	102	%			06/05/07 21:14	MCK	2037-26-5		
4-Bromofluorobenzene (S)	101	%			06/05/07 21:14	MCK	460-00-4		
Dibromofluoromethane (S)	100	%			06/05/07 21:14	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	103	%			06/05/07 21:14	MCK	17060-07-0		

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Lab Project Number: 92145683
Client Project ID: Corner Stop 28 05094

Lab Sample No: 928456995 | Project Sample Number: 92145683-006 | Date Collected: 05/30/07 10:45
Client Sample ID: MW-13 | Matrix: Water | Date Received: 06/01/07 09:15

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010								
Lead	54.	ug/l	5.0	4.0	06/07/07 22:06	SHB	7439-92-1		
Date Digested	06/05/07 11:00				06/05/07 11:00				
GC Semivolatiles									
EDB and DBCP in Water	Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	0.008	06/10/07 16:10	RCS1	106-93-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	0.050	0.012	06/10/07 16:10	RCS1	96-12-8		
1,2,3-Trichloropropane	ND	ug/l	0.050	0.033	06/10/07 16:10	RCS1	96-18-4		
1-Chloro-2-bromopropane (S)	77	%			06/10/07 16:10	RCS1	301-79-56		
GC/MS Volatiles									
GC/MS OXYs by 8260, low level	Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/l	100		06/05/07 21:44	MCK	75-85-4		
tert-Amylmethyl ether	ND	ug/l	10.		06/05/07 21:44	MCK	994-05-8		
Benzene	ND	ug/l	5.0		06/05/07 21:44	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.		06/05/07 21:44	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	5.0		06/05/07 21:44	MCK	108-20-3		
3,3-Dimethyl-1-butanol	ND	ug/l	100		06/05/07 21:44	MCK	624-95-3		
Ethanol	ND	ug/l	200		06/05/07 21:44	MCK	64-17-5		
Ethylbenzene	ND	ug/l	5.0		06/05/07 21:44	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.		06/05/07 21:44	MCK	637-92-3		
tert-Butyl Alcohol	ND	ug/l	50.		06/05/07 21:44	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	5.0		06/05/07 21:44	MCK	1634-04-4		
Naphthalene	ND	ug/l	5.0		06/05/07 21:44	MCK	91-20-3		
Toluene	ND	ug/l	5.0		06/05/07 21:44	MCK	108-88-3		
m&p-Xylene	ND	ug/l	10.		06/05/07 21:44	MCK			
o-Xylene	ND	ug/l	5.0		06/05/07 21:44	MCK	95-47-6		
Toluene-d8 (S)	102	%			06/05/07 21:44	MCK	2037-26-5		
4-Bromofluorobenzene (S)	100	%			06/05/07 21:44	MCK	460-00-4		
Dibromofluoromethane (S)	100	%			06/05/07 21:44	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	104	%			06/05/07 21:44	MCK	17060-07-0		

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Lab Project Number: 92145683
Client Project ID: Corner Stop 28 05094

Lab Sample No: 928457001 | Project Sample Number: 92145683-007 | Date Collected: 05/30/07 11:00
Client Sample ID: MW-14 | Matrix: Water | Date Received: 06/01/07 09:15

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010								
Lead	180	ug/l	5.0	4.0	06/07/07 22:10	SHB	7439-92-1		
Date Digested	06/05/07 11:00				06/05/07 11:00				
GC Semivolatiles									
EDB and DBCP in Water	Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	0.008	06/10/07 16:36	RCS1	106-93-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	0.050	0.012	06/10/07 16:36	RCS1	96-12-8		
1,2,3-Trichloropropane	ND	ug/l	0.050	0.033	06/10/07 16:36	RCS1	96-18-4		
1-Chloro-2-bromopropane (S)	104	%			06/10/07 16:36	RCS1	301-79-56		
GC/MS Volatiles									
GC/MS OXYs by 8260, low level	Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/l	100		06/05/07 22:14	MCK	75-85-4		
tert-Amylmethyl ether	ND	ug/l	10.		06/05/07 22:14	MCK	994-05-8		
Benzene	ND	ug/l	5.0		06/05/07 22:14	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.		06/05/07 22:14	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	5.0		06/05/07 22:14	MCK	108-20-3		
3,3-Dimethyl-1-butanol	ND	ug/l	100		06/05/07 22:14	MCK	624-95-3		
Ethanol	ND	ug/l	200		06/05/07 22:14	MCK	64-17-5		
Ethylbenzene	ND	ug/l	5.0		06/05/07 22:14	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.		06/05/07 22:14	MCK	637-92-3		
tert-Butyl Alcohol	ND	ug/l	50.		06/05/07 22:14	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	5.0		06/05/07 22:14	MCK	1634-04-4		
Naphthalene	ND	ug/l	5.0		06/05/07 22:14	MCK	91-20-3		
Toluene	ND	ug/l	5.0		06/05/07 22:14	MCK	108-88-3		
m&p-Xylene	ND	ug/l	10.		06/05/07 22:14	MCK			
o-Xylene	ND	ug/l	5.0		06/05/07 22:14	MCK	95-47-6		
Toluene-d8 (S)	101	%			06/05/07 22:14	MCK	2037-26-5		
4-Bromofluorobenzene (S)	100	%			06/05/07 22:14	MCK	460-00-4		
Dibromofluoromethane (S)	99	%			06/05/07 22:14	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	103	%			06/05/07 22:14	MCK	17060-07-0		

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Lab Project Number: 92145683
Client Project ID: Corner Stop 28 05094

Lab Sample No: 928457019 | Project Sample Number: 92145683-008 | Date Collected: 05/30/07 12:00
Client Sample ID: MW-15 | Matrix: Water | Date Received: 06/01/07 09:15

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010								
Lead	94.	ug/l	5.0	4.0	06/07/07 22:21	SHB	7439-92-1		
Date Digested	06/05/07 11:00				06/05/07 11:00				
GC Semivolatiles									
EDB and DBCP in Water	Method: EPA 8011								
1,2-Dibromoethane (EDB)	23.	ug/l	1.0	0.40	06/10/07 16:52	RCS1	106-93-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	0.050	0.012	06/10/07 16:52	RCS1	96-12-8		
1,2,3-Trichloropropane	ND	ug/l	0.050	0.033	06/10/07 16:52	RCS1	96-18-4		
1-Chloro-2-bromopropane (S)	105	%			06/10/07 16:52	RCS1	301-79-56		
GC/MS Volatiles									
GC/MS OXYs by 8260, low level	Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/l	10000		06/06/07 00:14	MCK	75-85-4		
tert-Amylmethyl ether	ND	ug/l	1000		06/06/07 00:14	MCK	994-05-8		
Benzene	10000	ug/l	500		06/06/07 00:14	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	2000		06/06/07 00:14	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	500		06/06/07 00:14	MCK	108-20-3		
3,3-Dimethyl-1-butanol	ND	ug/l	10000		06/06/07 00:14	MCK	624-95-3		
Ethanol	ND	ug/l	20000		06/06/07 00:14	MCK	64-17-5		
Ethylbenzene	3400	ug/l	500		06/06/07 00:14	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	1000		06/06/07 00:14	MCK	637-92-3		
tert-Butyl Alcohol	ND	ug/l	5000		06/06/07 00:14	MCK	75-65-0		
Methyl-tert-butyl ether	980	ug/l	500		06/06/07 00:14	MCK	1634-04-4		
Naphthalene	830	ug/l	500		06/06/07 00:14	MCK	91-20-3		
Toluene	42000	ug/l	2500		06/06/07 00:14	MCK	108-88-3		
m&p-Xylene	19000	ug/l	1000		06/06/07 00:14	MCK			
o-Xylene	10000	ug/l	500		06/06/07 00:14	MCK	95-47-6		
Toluene-d8 (S)	101	%			06/06/07 00:14	MCK	2037-26-5		
4-Bromofluorobenzene (S)	102	%			06/06/07 00:14	MCK	460-00-4		
Dibromofluoromethane (S)	99	%			06/06/07 00:14	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	103	%			06/06/07 00:14	MCK	17060-07-0		

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Lab Project Number: 92145683
Client Project ID: Corner Stop 28 05094

Lab Sample No: 928457027 | Project Sample Number: 92145683-009 | Date Collected: 05/30/07 11:30
Client Sample ID: MW-16 | Matrix: Water | Date Received: 06/01/07 09:15

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010								
Lead	27.	ug/l	5.0	4.0	06/07/07 22:25	SHB	7439-92-1		
Date Digested	06/05/07 11:00				06/05/07 11:00				
GC Semivolatiles									
EDB and DBCP in Water	Method: EPA 8011								
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	0.008	06/10/07 17:01	RCS1	106-93-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	0.050	0.012	06/10/07 17:01	RCS1	96-12-8		
1,2,3-Trichloropropane	ND	ug/l	0.050	0.033	06/10/07 17:01	RCS1	96-18-4		
1-Chloro-2-bromopropane (S)	88	%			06/10/07 17:01	RCS1	301-79-56		
GC/MS Volatiles									
GC/MS OXYs by 8260, low level	Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/l	100		06/05/07 22:44	MCK	75-85-4		
tert-Amylmethyl ether	ND	ug/l	10.		06/05/07 22:44	MCK	994-05-8		
Benzene	ND	ug/l	5.0		06/05/07 22:44	MCK	71-43-2		
tert-Butyl Formate	ND	ug/l	20.		06/05/07 22:44	MCK	762-75-4		
Diisopropyl ether	ND	ug/l	5.0		06/05/07 22:44	MCK	108-20-3		
3,3-Dimethyl-1-butanol	ND	ug/l	100		06/05/07 22:44	MCK	624-95-3		
Ethanol	ND	ug/l	200		06/05/07 22:44	MCK	64-17-5		
Ethylbenzene	ND	ug/l	5.0		06/05/07 22:44	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	10.		06/05/07 22:44	MCK	637-92-3		
tert-Butyl Alcohol	ND	ug/l	50.		06/05/07 22:44	MCK	75-65-0		
Methyl-tert-butyl ether	ND	ug/l	5.0		06/05/07 22:44	MCK	1634-04-4		
Naphthalene	ND	ug/l	5.0		06/05/07 22:44	MCK	91-20-3		
Toluene	ND	ug/l	5.0		06/05/07 22:44	MCK	108-88-3		
m&p-Xylene	ND	ug/l	10.		06/05/07 22:44	MCK			
o-Xylene	ND	ug/l	5.0		06/05/07 22:44	MCK	95-47-6		
Toluene-d8 (S)	101	%			06/05/07 22:44	MCK	2037-26-5		
4-Bromofluorobenzene (S)	99	%			06/05/07 22:44	MCK	460-00-4		
Dibromofluoromethane (S)	100	%			06/05/07 22:44	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	104	%			06/05/07 22:44	MCK	17060-07-0		

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Lab Project Number: 92145683
Client Project ID: Corner Stop 28 05094

Lab Sample No: 928457035 | Project Sample Number: 92145683-010 | Date Collected: 05/30/07 14:00
Client Sample ID: T-1 | Matrix: Water | Date Received: 06/01/07 09:15

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010								
Lead	ND	ug/l	5.0	4.0	06/07/07 22:29	SHB	7439-92-1		
Date Digested	06/05/07 11:00				06/05/07 11:00				
GC Semivolatiles									
EDB and DBCP in Water	Method: EPA 8011								
1,2-Dibromoethane (EDB)	0.71	ug/l	0.020	0.008	06/10/07 17:09	RCS1	106-93-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	0.050	0.012	06/10/07 17:09	RCS1	96-12-8		
1,2,3-Trichloropropane	ND	ug/l	0.050	0.033	06/10/07 17:09	RCS1	96-18-4		
1-Chloro-2-bromopropane (S)	120	%			06/10/07 17:09	RCS1	301-79-56		
GC/MS Volatiles									
GC/MS OXYs by 8260, low level	Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/l	1000		06/06/07 17:45	MCK	75-85-4		
tert-Amylmethyl ether	ND	ug/l	100		06/06/07 17:45	MCK	994-05-8		
Benzene	41. J	ug/l	50.		06/06/07 17:45	MCK	71-43-2	1	
tert-Butyl Formate	ND	ug/l	200		06/06/07 17:45	MCK	762-75-4		
Diisopropyl ether	88.	ug/l	50.		06/06/07 17:45	MCK	108-20-3		
3,3-Dimethyl-1-butanol	ND	ug/l	1000		06/06/07 17:45	MCK	624-95-3		
Ethanol	ND	ug/l	2000		06/06/07 17:45	MCK	64-17-5		
Ethylbenzene	120	ug/l	50.		06/06/07 17:45	MCK	100-41-4		
Ethyl-tert-butyl ether	ND	ug/l	100		06/06/07 17:45	MCK	637-92-3		
tert-Butyl Alcohol	ND	ug/l	500		06/06/07 17:45	MCK	75-65-0		
Methyl-tert-butyl ether	1500	ug/l	50.		06/06/07 17:45	MCK	1634-04-4		
Naphthalene	260	ug/l	50.		06/06/07 17:45	MCK	91-20-3		
Toluene	240	ug/l	50.		06/06/07 17:45	MCK	108-88-3		
m&p-Xylene	510	ug/l	100		06/06/07 17:45	MCK			
o-Xylene	280	ug/l	50.		06/06/07 17:45	MCK	95-47-6		
Toluene-d8 (S)	102	%			06/06/07 17:45	MCK	2037-26-5		
4-Bromofluorobenzene (S)	101	%			06/06/07 17:45	MCK	460-00-4		
Dibromofluoromethane (S)	100	%			06/06/07 17:45	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	104	%			06/06/07 17:45	MCK	17060-07-0		

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Lab Project Number: 92145683
Client Project ID: Corner Stop 28 05094

PARAMETER FOOTNOTES

Method 9071B modified to use ASE.

All pH, Free Chlorine, Total Chlorine and Ferrous Iron analyses conducted outside of EPA recommended immediate hold time.

Depending on the moisture content the PRLs can be elevated for all soil samples reported on a dry weight basis.

2-Chloroethyl vinyl ether has been shown to degrade in the presence of acid.

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
(S)	Surrogate
[1]	Detected but below the PRL; therefore, result is an estimated concentration (CLP J-Flag).

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QUALITY CONTROL DATA

Lab Project Number: 92145683
Client Project ID: Corner Stop 28 05094

QC Batch: 191047 — Analysis Method: EPA 8011
QC Batch Method: EPA 504.1 — Analysis Description: EDB and DBCP in Water
Associated Lab Samples: 928456839 928456904 928456979 928456987

METHOD BLANK: 928491612
Associated Lab Samples: 928456839 928456904 928456979 928456987

Parameter	Units	Blank Result	Reporting Limit	Footnotes
1,2-Dibromoethane (EDB)	ug/l	ND	0.020	
1,2-Dibromo-3-chloropropane	ug/l	ND	0.050	
1,2,3-Trichloropropane	ug/l	ND	0.050	
1-Chloro-2-bromopropane (S)	%	98		

LABORATORY CONTROL SAMPLE & LCSD: 928491620 928491638

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Footnotes
1,2-Dibromoethane (EDB)	ug/l	0.2500	0.1940	0.2327	78	93	60-140	18	20	
1,2-Dibromo-3-chloropropane	ug/l	0.2500	0.2240	0.2359	90	94	60-140	5	20	
1,2,3-Trichloropropane	ug/l	0.2500	0.1592	0.1719	64	69	60-140	8	20	
1-Chloro-2-bromopropane (S)					95	100	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 928491646 928491653

Parameter	Units	928462282 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Footnotes
1,2-Dibromoethane (EDB)	ug/l	0	0.2500	0.2857	0.2765	114	111	60-140	3		
1,2-Dibromo-3-chloropropane	ug/l	0	0.2500	0.2340	0.2537	94	102	60-140	8		
1,2,3-Trichloropropane	ug/l	0	0.2500	0.2387	0.2318	96	93	60-140	3		
1-Chloro-2-bromopropane (S)						93	96	60-140			

SAMPLE DUPLICATE: 928491661

Parameter	Units	928462290 Result	DUP Result	RPD	Max RPD	Footnotes
1,2-Dibromoethane (EDB)	ug/l	ND	ND	NC	20	

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QUALITY CONTROL DATA

Lab Project Number: 92145683
Client Project ID: Corner Stop 28 05094

SAMPLE DUPLICATE: 928491661

Parameter	Units	928462290 Result	DUP Result	RPD	Max RPD	Footnotes
1,2-Dibromo-3-chloropropane	ug/l	ND	ND	NC	20	
1,2,3-Trichloropropane	ug/l	ND	ND	NC	20	
1-Chloro-2-bromopropane (S)	%	87	85			

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QUALITY CONTROL DATA

Lab Project Number: 92145683
Client Project ID: Corner Stop 28 05094

QC Batch: 191067 — Analysis Method: EPA 8011
QC Batch Method: EPA 504.1 — Analysis Description: EDB and DBCP in Water
Associated Lab Samples: 928456995 928457001 928457019 928457027 928457035

METHOD BLANK: 928491992

Associated Lab Samples: 928456995 928457001 928457019 928457027 928457035

Parameter	Units	Blank Result	Reporting Limit	Footnotes
1,2-Dibromoethane (EDB)	ug/l	ND	0.020	
1,2-Dibromo-3-chloropropane	ug/l	ND	0.050	
1,2,3-Trichloropropane	ug/l	ND	0.050	
1-Chloro-2-bromopropane (S)	%	113		

LABORATORY CONTROL SAMPLE & LCSD: 928492008 928492016

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Footnotes
1,2-Dibromoethane (EDB)	ug/l	0.2500	0.2048	0.1911	82	76	60-140	7	20	
1,2-Dibromo-3-chloropropane	ug/l	0.2500	0.2179	0.2105	87	84	60-140	3	20	
1,2,3-Trichloropropane	ug/l	0.2500	0.2317	0.1804	93	72	60-140	25	20	1
1-Chloro-2-bromopropane (S)					85	79	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 928492024 928492032

Parameter	Units	928456995 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Footnotes
1,2-Dibromoethane (EDB)	ug/l	0	0.2500	0.2036	0.2326	81	93	60-140	13		
1,2-Dibromo-3-chloropropane	ug/l	0	0.2500	0.2110	0.2405	84	96	60-140	13		
1,2,3-Trichloropropane	ug/l	0	0.2500	0.3014	0.3110	121	124	60-140	3		
1-Chloro-2-bromopropane (S)						77	89	60-140			

SAMPLE DUPLICATE: 928492040

Parameter	Units	928457001 Result	DUP Result	RPD	Max RPD	Footnotes
1,2-Dibromoethane (EDB)	ug/l	ND	ND	NC	20	

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QUALITY CONTROL DATA

Lab Project Number: 92145683
Client Project ID: Corner Stop 28 05094

SAMPLE DUPLICATE: 928492040

Parameter	Units	928457001 Result	DUP Result	RPD	Max RPD	Footnotes
1,2-Dibromo-3-chloropropane	ug/l	ND	ND	NC	20	
1,2,3-Trichloropropane	ug/l	ND	ND	NC	20	
1-Chloro-2-bromopropane (S)	%	104	84			

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QUALITY CONTROL DATA

Lab Project Number: 92145683
Client Project ID: Corner Stop 28 05094

QC Batch: 190613 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: GC/MS OXYs by 8260, low level
Associated Lab Samples: 928456839 928456904 928456979 928456987 928456995 928457001 928457019 928457027 928457035

METHOD BLANK: 928468347
Associated Lab Samples: 928456839 928456904 928456979 928456987 928456995 928457001 928457019 928457027 928457035

Parameter	Units	Blank Result	Reporting Limit	Footnotes
tert-Amyl Alcohol	ug/l	ND	100	
tert-Amylmethyl ether	ug/l	ND	10.	
Benzene	ug/l	ND	5.0	
tert-Butyl Formate	ug/l	ND	20.	
Diisopropyl ether	ug/l	ND	5.0	
3,3-Dimethyl-1-butanol	ug/l	ND	100	
Ethanol	ug/l	ND	200	
Ethylbenzene	ug/l	ND	5.0	
Ethyl-tert-butyl ether	ug/l	ND	10.	
tert-Butyl Alcohol	ug/l	ND	50.	
Methyl-tert-butyl ether	ug/l	ND	5.0	
Naphthalene	ug/l	ND	5.0	
Toluene	ug/l	ND	5.0	
m&p-Xylene	ug/l	ND	10.	
o-Xylene	ug/l	ND	5.0	
Toluene-d8 (S)	%	101		
4-Bromofluorobenzene (S)	%	100		
Dibromofluoromethane (S)	%	98		
1,2-Dichloroethane-d4 (S)	%	104		

LABORATORY CONTROL SAMPLE: 928468354

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Footnotes
tert-Amyl Alcohol	ug/l	1000.00	1033	103	43-150	
tert-Amylmethyl ether	ug/l	100.00	129.8	130	70-130	
Benzene	ug/l	50.00	58.48	117	78-128	
tert-Butyl Formate	ug/l	200.00	201.3	101	50-150	

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QUALITY CONTROL DATA

Lab Project Number: 92145683
Client Project ID: Corner Stop 28 05094

LABORATORY CONTROL SAMPLE: 928468354

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Footnotes
Diisopropyl ether	ug/l	50.00	58.80	118	74-131	
3,3-Dimethyl-1-butanol	ug/l	1000.00	1015	101	55-148	
Ethanol	ug/l	2000.00	2141	107	53-150	
Ethylbenzene	ug/l	50.00	56.88	114	80-127	
Ethyl-tert-butyl ether	ug/l	100.00	121.0	121	77-136	
tert-Butyl Alcohol	ug/l	500.00	510.9	102	60-150	
Methyl-tert-butyl ether	ug/l	50.00	59.56	119	71-130	
Naphthalene	ug/l	50.00	47.75	96	52-136	
Toluene	ug/l	50.00	55.60	111	76-126	
m&p-Xylene	ug/l	100.00	118.3	118	82-127	
o-Xylene	ug/l	50.00	60.06	120	83-124	
Toluene-d8 (S)				100		
4-Bromofluorobenzene (S)				102		
Dibromofluoromethane (S)				98		
1,2-Dichloroethane-d4 (S)				105		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 928471804 928471812

Parameter	Units	928457027 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Footnotes
Benzene	ug/l	0	50.00	33.33	41.04	67	82		21		
Toluene	ug/l	0.1973	50.00	31.77	39.45	63	78		22		
Toluene-d8 (S)						99	101				
4-Bromofluorobenzene (S)						105	106				
Dibromofluoromethane (S)						93	95				
1,2-Dichloroethane-d4 (S)						88	91				

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QUALITY CONTROL DATA

Lab Project Number: 92145683
Client Project ID: Corner Stop 28 05094

QC Batch: 190636 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: GC/MS VOCs by 8260
Associated Lab Samples: 928456961

METHOD BLANK: 928469345
Associated Lab Samples: 928456961

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Acetone	ug/l	ND	25.	
Benzene	ug/l	ND	5.0	
Bromobenzene	ug/l	ND	5.0	
Bromochloromethane	ug/l	ND	5.0	
Bromodichloromethane	ug/l	ND	5.0	
Bromoform	ug/l	ND	5.0	
Bromomethane	ug/l	ND	5.0	
2-Butanone (MEK)	ug/l	ND	10.	
n-Butylbenzene	ug/l	ND	5.0	
sec-Butylbenzene	ug/l	ND	5.0	
tert-Butylbenzene	ug/l	ND	5.0	
Carbon tetrachloride	ug/l	ND	5.0	
Chlorobenzene	ug/l	ND	5.0	
Chloroethane	ug/l	ND	10.	
Chloroform	ug/l	ND	5.0	
Chloromethane	ug/l	ND	5.0	
2-Chlorotoluene	ug/l	ND	5.0	
4-Chlorotoluene	ug/l	ND	5.0	
1,2-Dibromo-3-chloropropane	ug/l	ND	5.0	
Dibromochloromethane	ug/l	ND	5.0	
1,2-Dibromoethane (EDB)	ug/l	ND	5.0	
Dibromomethane	ug/l	ND	5.0	
1,2-Dichlorobenzene	ug/l	ND	5.0	
1,3-Dichlorobenzene	ug/l	ND	5.0	
1,4-Dichlorobenzene	ug/l	ND	5.0	
Dichlorodifluoromethane	ug/l	ND	5.0	
1,1-Dichloroethane	ug/l	ND	5.0	
1,2-Dichloroethane	ug/l	ND	5.0	
1,1-Dichloroethene	ug/l	ND	5.0	
cis-1,2-Dichloroethene	ug/l	ND	5.0	
trans-1,2-Dichloroethene	ug/l	ND	5.0	

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QUALITY CONTROL DATA

Lab Project Number: 92145683
Client Project ID: Corner Stop 28 05094

METHOD BLANK: 928469345
Associated Lab Samples: 928456961

Parameter	Units	Blank Result	Reporting Limit	Footnotes
1,2-Dichloropropane	ug/l	ND	5.0	
1,3-Dichloropropane	ug/l	ND	5.0	
2,2-Dichloropropane	ug/l	ND	5.0	
1,1-Dichloropropene	ug/l	ND	5.0	
cis-1,3-Dichloropropene	ug/l	ND	5.0	
trans-1,3-Dichloropropene	ug/l	ND	5.0	
Diisopropyl ether	ug/l	ND	5.0	
Ethylbenzene	ug/l	ND	5.0	
Hexachloro-1,3-butadiene	ug/l	ND	5.0	
2-Hexanone	ug/l	ND	10.	
Isopropylbenzene (Cumene)	ug/l	ND	5.0	
p-Isopropyltoluene	ug/l	ND	5.0	
Methylene chloride	ug/l	ND	5.0	
4-Methyl-2-pentanone (MIBK)	ug/l	ND	10.	
Methyl-tert-butyl ether	ug/l	ND	5.0	
Naphthalene	ug/l	ND	5.0	
n-Propylbenzene	ug/l	ND	5.0	
Styrene	ug/l	ND	5.0	
1,1,1,2-Tetrachloroethane	ug/l	ND	5.0	
1,1,2,2-Tetrachloroethane	ug/l	ND	5.0	
Tetrachloroethene	ug/l	ND	5.0	
Toluene	ug/l	ND	5.0	
1,2,3-Trichlorobenzene	ug/l	ND	5.0	
1,2,4-Trichlorobenzene	ug/l	ND	5.0	
1,1,1-Trichloroethane	ug/l	ND	5.0	
1,1,2-Trichloroethane	ug/l	ND	5.0	
Trichloroethene	ug/l	ND	5.0	
Trichlorofluoromethane	ug/l	ND	10.	
1,2,3-Trichloropropane	ug/l	ND	5.0	
1,2,4-Trimethylbenzene	ug/l	ND	5.0	
1,3,5-Trimethylbenzene	ug/l	ND	5.0	
Vinyl acetate	ug/l	ND	10.	
Vinyl chloride	ug/l	ND	5.0	
m&p-Xylene	ug/l	ND	10.	
o-Xylene	ug/l	ND	5.0	
Toluene-d8 (S)	%	102		

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QUALITY CONTROL DATA

Lab Project Number: 92145683
Client Project ID: Corner Stop 28 05094

METHOD BLANK: 928469345
Associated Lab Samples: 928456961

Parameter	Units	Blank Result	Reporting Limit	Footnotes
4-Bromofluorobenzene (S)	%	100		
Dibromofluoromethane (S)	%	100		
1,2-Dichloroethane-d4 (S)	%	101		

LABORATORY CONTROL SAMPLE: 928469352

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Footnotes
Acetone	ug/l	100.00	63.30	63	50-150	
Benzene	ug/l	50.00	50.20	100	66-123	
Bromobenzene	ug/l	50.00	47.59	95	62-125	
Bromochloromethane	ug/l	50.00	38.13	76	64-125	
Bromodichloromethane	ug/l	50.00	51.19	102	66-126	
Bromoform	ug/l	50.00	41.97	84	50-132	
Bromomethane	ug/l	50.00	47.92	96	50-150	
2-Butanone (MEK)	ug/l	100.00	75.96	76	51-135	
n-Butylbenzene	ug/l	50.00	43.90	88	56-132	
sec-Butylbenzene	ug/l	50.00	48.59	97	59-132	
tert-Butylbenzene	ug/l	50.00	48.72	97	54-135	
Carbon tetrachloride	ug/l	50.00	58.21	116	65-134	
Chlorobenzene	ug/l	50.00	49.21	98	66-123	
Chloroethane	ug/l	50.00	45.07	90	52-146	
Chloroform	ug/l	50.00	49.30	99	64-128	
Chloromethane	ug/l	50.00	48.98	98	25-127	
2-Chlorotoluene	ug/l	50.00	46.55	93	63-126	
4-Chlorotoluene	ug/l	50.00	47.35	95	63-124	
1,2-Dibromo-3-chloropropane	ug/l	50.00	42.51	85	56-125	
Dibromochloromethane	ug/l	50.00	43.17	86	57-131	
1,2-Dibromoethane (EDB)	ug/l	50.00	45.13	90	64-123	
Dibromomethane	ug/l	50.00	38.28	77	64-122	
1,2-Dichlorobenzene	ug/l	50.00	46.08	92	63-123	
1,3-Dichlorobenzene	ug/l	50.00	46.86	94	63-125	
1,4-Dichlorobenzene	ug/l	50.00	45.99	92	62-123	
Dichlorodifluoromethane	ug/l	50.00	40.84	82	50-138	
1,1-Dichloroethane	ug/l	50.00	50.66	101	64-132	

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QUALITY CONTROL DATA

Lab Project Number: 92145683
Client Project ID: Corner Stop 28 05094

LABORATORY CONTROL SAMPLE: 928469352

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Footnotes
1,2-Dichloroethane	ug/l	50.00	47.50	95	62-123	
1,1-Dichloroethene	ug/l	50.00	49.90	100	62-139	
cis-1,2-Dichloroethene	ug/l	50.00	42.64	85	65-130	
trans-1,2-Dichloroethene	ug/l	50.00	50.12	100	67-134	
1,2-Dichloropropane	ug/l	50.00	52.26	105	66-124	
1,3-Dichloropropane	ug/l	50.00	47.50	95	65-122	
2,2-Dichloropropane	ug/l	50.00	47.75	96	50-143	
1,1-Dichloropropene	ug/l	50.00	53.75	108	66-133	
cis-1,3-Dichloropropene	ug/l	50.00	48.46	97	63-127	
trans-1,3-Dichloropropene	ug/l	50.00	47.41	95	61-126	
Diisopropyl ether	ug/l	50.00	48.17	96	56-131	
Ethylbenzene	ug/l	50.00	46.70	93	68-126	
Hexachloro-1,3-butadiene	ug/l	50.00	47.06	94	50-150	
2-Hexanone	ug/l	100.00	76.16	76	59-131	
Isopropylbenzene (Cumene)	ug/l	50.00	51.11	102	63-132	
p-Isopropyltoluene	ug/l	50.00	44.05	88	58-130	
Methylene chloride	ug/l	50.00	42.31	85	54-132	
4-Methyl-2-pentanone (MIBK)	ug/l	100.00	88.38	88	58-130	
Methyl-tert-butyl ether	ug/l	50.00	46.67	93	53-128	
Naphthalene	ug/l	50.00	37.21	74	50-131	
n-Propylbenzene	ug/l	50.00	48.91	98	63-130	
Styrene	ug/l	50.00	46.88	94	65-127	
1,1,1,2-Tetrachloroethane	ug/l	50.00	46.72	93	65-125	
1,1,2,2-Tetrachloroethane	ug/l	50.00	43.18	86	58-124	
Tetrachloroethene	ug/l	50.00	49.90	100	50-150	
Toluene	ug/l	50.00	47.91	96	66-125	
1,2,3-Trichlorobenzene	ug/l	50.00	44.57	89	50-134	
1,2,4-Trichlorobenzene	ug/l	50.00	45.00	90	44-132	
1,1,1-Trichloroethane	ug/l	50.00	54.12	108	65-133	
1,1,2-Trichloroethane	ug/l	50.00	45.82	92	64-122	
Trichloroethene	ug/l	50.00	51.97	104	63-134	
Trichlorofluoromethane	ug/l	50.00	54.78	110	54-135	
1,2,3-Trichloropropane	ug/l	50.00	45.77	92	63-124	
1,2,4-Trimethylbenzene	ug/l	50.00	42.29	85	60-128	
1,3,5-Trimethylbenzene	ug/l	50.00	43.17	86	61-128	
Vinyl acetate	ug/l	100.00	105.5	105	50-150	
Vinyl chloride	ug/l	50.00	46.05	92	50-130	

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
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Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Lab Project Number: 92145683
Client Project ID: Corner Stop 28 05094

LABORATORY CONTROL SAMPLE: 928469352

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Footnotes
m&p-Xylene	ug/l	100.00	97.45	98	66-126	
o-Xylene	ug/l	50.00	49.51	99	65-126	
Toluene-d8 (S)				100	86-110	
4-Bromofluorobenzene (S)				101	76-112	
Dibromofluoromethane (S)				89	86-119	
1,2-Dichloroethane-d4 (S)				90	79-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 928471788 928471796

Parameter	Units	928465970 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Footnotes
Benzene	ug/l	0	50.00	55.33	53.22	111	106	53-134	4		
Chlorobenzene	ug/l	0	50.00	55.01	53.30	110	107	53-133	3		
1,1-Dichloroethene	ug/l	0	50.00	47.85	45.07	96	90	50-146	6		
Toluene	ug/l	0	50.00	52.54	50.48	105	101	51-133	4		
Trichloroethene	ug/l	0	50.00	55.75	53.91	112	108	55-138	3		
Toluene-d8 (S)						99	100	86-110			
4-Bromofluorobenzene (S)						101	103	76-112			
Dibromofluoromethane (S)						98	98	86-119			
1,2-Dichloroethane-d4 (S)						94	96	79-130			

Asheville Certification IDs
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Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Lab Project Number: 92145683
Client Project ID: Corner Stop 28 05094

QC Batch: 190592 — Analysis Method: EPA 6010
QC Batch Method: EPA 3010 — Analysis Description: Metals by Trace ICP
Associated Lab Samples: 928456839 928456904 928456979 928456987 928456995 928457001 928457019 928457027 928457035

METHOD BLANK: 928467174
Associated Lab Samples: 928456839 928456904 928456979 928456987 928456995 928457001 928457019 928457027 928457035

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Lead	ug/l	ND	5.0	

LABORATORY CONTROL SAMPLE: 928467182

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Footnotes
Lead	ug/l	500.00	492.0	98	80-120	

MATRIX SPIKE: 928467190

Parameter	Units	928449636 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Footnotes
Lead	ug/l	6.520	500.00	478.0	94	80-120	

SAMPLE DUPLICATE: 928467208

Parameter	Units	928449644 Result	DUP Result	RPD	Max RPD	Footnotes
Lead	ug/l	58.00	61.00	5	20	

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030
FL NELAP E87648

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Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
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Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 92145683
Client Project ID: Corner Stop 28 05094

QUALITY CONTROL DATA PARAMETER FOOTNOTES

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

LCS(D)	Laboratory Control Sample (Duplicate)
MS(D)	Matrix Spike (Duplicate)
DUP	Sample Duplicate
ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
RPD	Relative Percent Difference
(S)	Surrogate
[1]	RPD value was outside of control limits, however % Recoveries were acceptable. Samples for QC batch accepted based on % recoveries and completeness of QC data.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
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REPORT OF LABORATORY ANALYSIS
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Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/30/07
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 80 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 82

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 43.88 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	12:40							
pH (s.u.)	3.93							
Specific Cond. (mS/cm)	.200							
Water Temp (°C)	23.6							
Turbidity (*)	288							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	2.38							

Remarks: sample time 12:50
No purge

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/30/07
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 80 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- MW-4

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) _____ ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Water Temp (°C)								
Turbidity (*)								
OVA Readings								
Salinity								
Dissolved Oxygen								

Remarks: Dry No Sample

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/30/07
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 80 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba — Conductivity Meter: Horiba
serial no. — serial no.
pH=4.0 Internal — Standard Internal
pH=7.0 Internal — Standard Internal
pH=10.0 Internal — Standard Internal

Chain of Custody

Relinquished by — Date/Time — Received by — Date/Time

Well # MW- 5

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 45.74 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	12:10							
pH (s.u.)	5.13							
Specific Cond. (mS/cm)	.125							
Water Temp (°C)	25.0							
Turbidity (*)	25.6							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	5.34							

Remarks: No purge sample time 12:10

server2/admin/DHEC/fielddatash/doc

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/30/07
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 80 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 6

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 48.00 ft.
Depth to GW (DWG) 47.53 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	12:30							
pH (s.u.)								
Specific Cond. (mS/cm)								
Water Temp (°C)								
Turbidity (*)								
OVA Readings								
Salinity								
Dissolved Oxygen								

Remarks: sample time 12:30 * well 48"
No purge
no water BTEX only

serverC:\admin\DHEC\field\datash\doc.

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/30/07
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 80 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 9

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 3 ft.
Depth to GW (DWG) 37.16 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	12:50							
pH (s.u.)	6.41							
Specific Cond. (mS/cm)	.118							
Water Temp (°C)	22.2							
Turbidity (*)	317							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	5.90							

Remarks: sample time 12:50
No purge

server C:\admin\DHEC\fielddatasht\doc.

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/30/07
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 80 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 10

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 34.28 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	13:00							
pH (s.u.)	6.08							
Specific Cond. (mS/cm)	.114							
Water Temp (°C)	23.4							
Turbidity (*)	167							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	4.43							

Remarks: sample time 13:00

No purge

server C/admin/DHEC/fieldsheet/doc.

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/30/07
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 80 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW-13

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 41.39 ft.

Length of Water Column (LWC=TWD-DGW) 18.61 ft.

1 Csg. Volume (LWC*C)= 18.61 x 0.163 = 3 gals.
3 Csg. Volumes = 3 x 3 = 9 gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	3	6	9					
Time (military)	10:30	10:37	10:45					
pH (s.u.)	3.94	5.21	5.01					
Specific Cond. (mS/cm)	.130	.124	.123					
Water Temp (°C)	23.6	21.2	21.0					
Turbidity (*)	999	187	197					
OVA Readings	—	—	—					
Salinity	0.00	0.00	0.00					
Dissolved Oxygen	2.00	1.73	1.92					

Remarks: sample time 10:45

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/30/07
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 80 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 14

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) ~~[illegible]~~ ft. 50.84

Length of Water Column (LWC=TWD-DGW) 9.16 ft.

1 Csg. Volume (LWC*C)= _____ x _____ = 1.63 gals.
3 Csg. Volumes = 3 x _____ = 4.89 gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	1.5							
Time (military)	10:50							
pH (s.u.)	3.87							
Specific Cond. (mS/cm)	.061							
Water Temp (°C)	23.4							
Turbidity (*)	.099							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	7.41							

Remarks: sample Time 11:00
Dry at 1.5

server C/admin/DHEC/fielddatasheet/den

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/30/07
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 80 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Well # MW- MW-15

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60.00 ft.
Depth to GW (DWG) 54.04 ft.

Length of Water Column (LWC=TWD-DGW) 5.96 ft.

1 Csg. Volume (LWC*C)= _____ x _____ = .98 gals.
3 Csg. Volumes = 3 x _____ = 3.0 gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	45							
Time (military)	11:50							
pH (s.u.)	6.60							
Specific Cond. (mS/cm)	.077							
Water Temp (°C)	24.9							
Turbidity (*)	811							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	2.06							

Remarks: sample time 12:00
Dry at 1:15 shon

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/30/07
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 80 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 16

Well Diameter(D) 2" Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60.00 ft.
Depth to GW (DWG) 50.71 ft.

Length of Water Column (LWC=TWD-DGW) 9.29 ft.

1 Csg. Volume (LWC*C)= _____ x _____ = 1.5 gals.
3 Csg. Volumes = 3 x _____ = 4.5 gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	1.5							
Time (military)	11:25							
pH (s.u.)	4.70							
Specific Cond. (mS/cm)	.087							
Water Temp (°C)	22.1							
Turbidity (*)	999							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	5.31							

Remarks: sample time 11:30
Dry at 1.5 gallons

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/30/07
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 80 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Well # ~~MW~~ T-1

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 81 ft.
Depth to GW (DWG) 51.91 ft.

Length of Water Column (LWC=TWD-DGW) 29.09 ft.

1 Csg. Volume (LWC*C)= _____ x _____ = 4.7 gals.
3 Csg. Volumes = 3 x _____ = 14.2 gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5	10	15					
Time (military)	13:20	13:40	14:00					
pH (s.u.)	5.41	5.26	5.13					
Specific Cond. (mS/cm)	.326	.323	.321					
Water Temp (°C)	23.9	23.9	23.6					
Turbidity (*)	139	115	92					
OVA Readings	—	—	—					
Salinity	0.01	0.00	0.00					
Dissolved Oxygen	1.41	2.37	2.13					

Remarks: sample time 14:00

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APPENDIX E

Disposal Manifest

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number

GENERATOR

5. Generator's Name and Mailing Address
KLM Environmental
PO BOX 2704 Goose Creek, SC 29445

Generator's Site Address (if different than mailing address)

Generator's Phone: (SITE CORNER STOP 28)

6. Transporter 1 Company Name
KLM Environmental SAME ABOVE

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
US Water Recovery
435 OLD MT Holly RD

U.S. EPA ID Number

Facility's Phone: GOOSE CREEK S.C. 29445

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1. Soil Contamination with					
2. Petroleum	1	Drum	2	Drum	
3.					
4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Micah Bennett | Signature | Month 5 | Day 31 | Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Micah Bennett | Signature | Month 5 | Day 31 | Year 07

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: PAUL GOODSELL | Signature | Month 5 | Day 31 | Year 07

TRANSPORTER #1

Corner Stop #28 05094

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: . . . . . .

Manifest Document No.: 4 2 5 2 2

2. Page 1 of

3. Generator's Name and Mailing Address
KLM Environmental PoBox 2704 Goose Creek, SC 29445

4. Generator's Phone ( )

5. Transporter 1 Company Name: Southeast Response & Remediation, Inc.

6. US EPA ID Number: N C 0 0 0 0 9 2 6 6 1 8

A. Transporter's Phone: 910-763-6274

7. Transporter 2 Company Name:

8. US EPA ID Number: . . . . . .

B. Transporter's Phone:

9. Designated Facility Name and Site Address
Southeast Response & Remediation, Inc.
4920 US Hwy 421 North
Wilmington, NC 28401

10. US EPA ID Number: N C 0 0 0 0 9 2 6 6 1 8

C. Facility's Phone: 800-310-6757

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Regulated Waste Water	001	tk	270	gals
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
7 gallons Product

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Micah Bennett
Signature:
Month 04 Day 25 Year 07

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Donald Bollinger
Signature:
Month 04 Day 25 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:
Signature:
Month . Day . Year .

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Richard Mitra
Signature:
Month 04 Day 26 Year 07

GENERATOR — TRANSPORTER — FACILITY

Printed by J. J. KELLER & ASSOCIATES, INC. Neenah, WI 54957-0368

ORIGINAL - RETURN TO GENERATOR

12/99 C-NVS

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MR ROBERT JENNINGS JR
16 KATHRYN WAY
WARE SHOALS SC 29692-1543

AUG 11 2008

Re: Right of Entry 2nd letter
Corner Stop 28, 717 North Greenwood Ave., Ware Shoals, SC
UST Permit # 05659
Access to Adjacent Property tax map # 6923-232-696

Dear Mr. Jennings:

The Underground Storage Tank (UST) Program of the South Carolina Department of Health and Environmental Control has directed Worsley Companies, Inc., as the party responsible for the release at Corner Stop 24, to perform work to assess a reported petroleum release. As you are aware, KLM Environmental, LLC. is currently conducting an environmental assessment to determine the extent of petroleum Chemicals of Concern (CoC). In a letter dated June 2, 2008, Worsley Companies, Inc. requested access to your property at tax map # 6923-232-696 to assess the extent of the plume.

The Department believes it to be in your best interest to allow Worsley Companies, Inc. and its contractor, KLM Environmental, LLC, to address the problem as they, until now, have done. There will be no cost to you in allowing Worsley Companies, Inc. access to you properties for environmental activities. The UST Program requests that you allow the installation of these wells to proceed in a timely manner and return the required right of entry form. **Please sign the enclosed right of entry form and return it to my attention on or before August 31, 2008. If not, the Program may pursue a court order to gain access to the property.**

If you have any questions, please contact me at (803) 896-6323. I can also be reached by fax at (803) 896-6245 or by email at brineysm@dhec.sc.gov.

Sincerely,

Stephanie Briney

Stephanie Briney, Hydrogeologist
Southwestern SC Corrective Action Section
Assessment and Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

enc.: Right of Entry Form
Map with propose monitoring well locations

cc: Ms. Maureen Jackson, Worsely Companies, Inc., PO Box 3227, Wilmington, NC 28406(w/o enc)
KLM Environmental LLC., 137 Evergreen Magnolia Ave., Goose Creek, SC 29445 (w/enc)
Technical File (w/o enc.)

UST DOCKET

KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation
PO Box 2704
Goose Creek, SC 29445
843-870-4285 Phone
843-797-1893 Fax

October 15, 2008

Ms. Victoria Bosnick
SCDHEC – BUSTM
2600 Bull Street
Columbia, S.C. 29201

RECEIVED
OCT 2 0 2008
UNDERGROUND STORAGE TANK PROGRAM

Re: Corner Stop # 28
Permit # 05659 CA # 32088

Dear Ms. Bosnick,

This letter, along with its attachments, is presented to document the results of the Aggressive Fluid Vapor Recovery (AFVR) events performed on July 15th, 2008 and July 16th, 2008. Monitoring wells MW-1 and MW-11 were connected on consecutive days as requested in our directive. Results from each event are provided on the attached tables. A total of 36 gallons of petroleum product was recovered during the two AFVR events.

The remaining portion of the assessment has not been completed to date. Ms. Stephanie Briney, the former SCDHEC Project Manager has sent three right of entry letters to Mr. Robert Jennings requesting access to the property to install monitoring wells. Those letters are dated May 15th, June 2nd, and August 11th. We have not completed the remaining portion of the assessment due to the access issue. We are submitting this report as you requested during our phone conversation on October 15th as our request for payment has been denied twice by the finance department for the AFVR events we have already performed. We submitted payment for those events as a well drillers invoice as we were directed.

It has been a pleasure working with you on this project. Please call me directly if you have any questions at 843-870-4285.

Sincerely,

KLM Environmental, LLC

Mark L. Keller, PG
President

Enclosures(4): AFVR information tables; Waste Manifests

UST DOCKET
11 tech

Site Location: Corner Stop 28, 717 North Greenwood Ave., Ware Shoals, SC	Date: 7/15/08

Site Conditions: The site was found in good condition, with all areas around the tank basin clean and free of debris. The monitoring wells located on site were in excellent condition as well, with no damage to the pads or wells.

AFVR Contractor: EFR Technologies, LLC	Field Personnel: EFR Technologies, LLC: Wayne Infinger	General Weather Conditions: Sunny
Ambient Air Temperature: 85 Fahrenheit	Estimated Gallons of Product Removed: 0.00	Initial Product Thickness: MW-11 0.00
Final Product Thickness: MW-11 = 0.00	AFVR Start Time: 10:30	AFVR End Time: 18.30

Time (Readings Every 30 Minutes)	Recovery Rate Vacuum Inches of Hg	Temp Degrees F	Stack Velocity	Air Emission Conc. Measurements in ppb (Carbon Filter on Exhaust Gas)*
1030	-20	109.4	2.1	1337
1100	-20	115.8	2.2	1041
1130	-21	117.7	2.0	916
1200	-21	129.8	2.0	789
1230	-21	139.9	2.2	848
1300	-21	139.1	2.3	1286
1330	-21	149.8	1.9	1166
1400	-21	145.7	2.1	1040
1430	-21	150.8	2.1	974
1500	-21	150.4	2.1	1084
1530	-21	141.7	2.0	963
1600	-21	143.6	2.2	1096
1630	-21	151.7	2.4	1534
1700	-21	154.2	2.1	1191
1730	-21	140.6	2.0	889
1800	-21	146.7	1.9	851
1830	-21	155.3	1.9	1134

	Start	End
MW-11	54.69	54.89

KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

AFVR Table
Corner Stop 28
717 N. Greenwood Ave.
Ware Shoals, SC
Site ID # 05659 7/15/08

US Water Recovery

Non-Hazardous Wastewater Manifest

Number: 5308

1. Generator's EPA ID# (if applicable):

Waste ID Number:

2. Generator's Name and Mailing Address:
Corner Stop #28
7-15-08

Phone ( )

P O #:

3. Agent of Generator and Mailing Address:
KLM Enviromental
PO Box 2704 Goose Creek

Phone (843) 870-4285

P O #:

4. Transporter Company Name:
EFR Tech.
118 Springhall Suite E Goose Creek

Phone (843) 906-8759

Truck & Trailer License Number:

5. Transporter U.S. EPA ID#:

6. Facility Name and Site Address:
U S Water Recovery
435 Old Mt. Holly Rd.
Mt. Holly, SC 29445

Phone: (843) 797-8674

Fax: (843) 797-2126

Mailing Address:
U S Water Recovery
511 Old Mt. Holly Rd.
Goose Creek, SC 29445

Phone: (843) 797-3111

Fax: (843) 797-0710

7. Facility U.S. EPA ID#:

Start Level: End Level: Total Gallons: Tank Number

8. U.S. DOT Desciption	Container No.	Container Type	Unit	Quantity
a. Non-Hazardous, non-regulated waste water				77

9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.

Printed/Typed Name: Jason Boots Signature: Jason Boots Date: 7-17-08

10. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: Wayne Infinge Signature: Wayne Infinge Date: 7-17-08

11. Discrepancy indication space:

12. Facility Owner or Operator: Certification of Receipt of Materials

Printed/Typed Name: Jorge Saville Signature: Jorge Saville Date: 7-17-08

White - Facility Yellow - Transporter Pink - Generator

4151

Site Location: Corner Stop 28, 717 North Greenwood Ave., Ware Shoals, SC	Date: 7/16/08

Site Conditions: The site was found in good condition, with all areas around the tank basin clean and free of debris. The monitoring wells located on site were in excellent condition as well, with no damage to the pads or wells.

AFVR Contractor: EFR Technologies, LLC	Field Personnel: EFR Technologies, LLC: Wayne Infinger	General Weather Conditions: Sunny
Ambient Air Temperature: 85 Fahrenheit	Estimated Gallons of Product Removed: 36 gallons	Initial Product Thickness: MW-11 0.52
Final Product Thickness: MW-11 = 0.02	AFVR Start Time: 9:00	AFVR End Time: 17.00

Time (Readings Every 30 Minutes)	Recovery Rate Vacuum Inches of Hg	Temp Degrees F	Stack Velocity	Air Emission Conc. Measurements in ppb (Carbon Filter on Exhaust Gas)*
900	-21	89.6	1.8	907
930	-21	107.8	2.3	1440
1000	-21	125.1	2.1	995
1030	-21	128.4	2.4	1315
1100	-21	131.0	2.1	1372
1130	-21	136.4	2.0	1543
1200	-21	132.3	2.1	1328
1230	-21	135.4	1.9	1283
1300	-21	138.9	1.9	1229
1330	-21	138.9	2.1	1725
1400	-21	147.2	1.9	576
1430	-21	146.8	1.9	509
1500	-21	149.4	2.4	714
1530	-21	144.6	1.8	626
1600	-21	150.7	2.0	772
1630	-21	150.2	1.8	641
1700	-21	147.8	2.0	811

	Start	End
MW-1	48.50 – 49.02	50.45 – 50.47

KLM Environmental, LLC

Phase I· Phase II· Underground Storage Tanks·Soil & Water Sampling· Well Installation

AFVR Table
Corner Stop 28
717 N. Greenwood Ave.
Ware Shoals, SC
Site ID # 05659 7/16/08

US Water Recovery

Non-Hazardous Wastewater Manifest

Number: 5310

1. Generator's EPA ID# (if applicable):

Waste ID Number:

2. Generator's Name and Mailing Address:
Corner Stop #28
7-16-08

Phone ( )

P O #:

3. Agent of Generator and Mailing Address:
KLM Enviromental
Po Box 2704 Goose Creek

Phone (843) 870-4285

P O #:

4. Transporter Company Name:
EFR Tech
118 Springhill Suite E Goose Creek

Phone (843) 906-8759

Truck & Trailer License Number:

5. Transporter U.S. EPA ID#:

6. Facility Name and Site Address:
U S Water Recovery
435 Old Mt. Holly Rd.
Mt. Holly, SC 29445

Phone: (843) 797-8674

Fax: (843) 797-2126

Mailing Address:
U S Water Recovery
511 Old Mt. Holly Rd.
Goose Creek, SC 29445

Phone: (843) 797-3111

Fax: (843) 797-0710

7. Facility U.S. EPA ID#:

Start Level: End Level: Total Gallons: Tank Number

36 gallons of product

8. U.S. DOT Desciption	Container No.	Container Type	Unit	Quantity
a. Non-Hazardous, non-regulated waste water				377

9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.

Printed/Typed Name: JASON Boots Signature: Date: 7-17-08

10. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: WAYNE Infinger Signature: Date: 7-17-08

11. Discrepancy indication space:

12. Facility Owner or Operator Certification of Receipt of Materials

Printed/Typed Name: Cerge Saville Signature: Date: 7-17-08

White - Facility Yellow - Transporter Pink - Generator

4152

RECEIVED
DEC 22 2008
UNDERGROUND STORAGE
TANK PROGRAM

DECEMBER 2008 MONITORING REPORT
Corner Stop 28 (Former Fast Point 17)
Ware Shoals, South Carolina
Site ID# 05659

KLM Environmental, LLC
Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation
PO Box 2704
Goose Creek, SC 29445
843-870-4285 Phone
843-797-1893 Fax

December 12th, 2008

Prepared for:

Ms. Victoria Bosnick
SCDHEC BUSTM
2600 Bull Street
Columbia, SC 29201

Prepared by:

KLM Environmental, LLC
Post Office Box 2704
Goose Creek, SC 29445
(843) 870-4285 / *fax: 797-1893*

Project# 05094.3

UST DOCKET
12 tech

SIGNATURE PAGE

This report entitled "**DECEMBER 2008 MONITORING REPORT" for Corner Stop 28** has been prepared at the request of and for the exclusive use of the South Carolina Department of Health and Environmental Control. It has been prepared and reviewed by the undersigned.

Prepared By:

A Clufinger For:

J. Micah Bennett
Hydrogeologist
KLM Environmental, LLC

Prepared By:

Mark L. Keller, PG
President
KLM Environmental, LLC

12/16/08
Date

MARK L. KELLER
REGISTERED
No. 2311
12/17/08
SOUTH CAROLINA
PROFESSIONAL GEOLOGIST

TABLE OF CONTENTS

SECTION	DESCRIPTION	PAGE
1.0	INTRODUCTION	1
2.0	AFVR	2
3.0	SITE DESCRIPTION	3
4.0	GROUNDWATER QUALITY	6
5.0	CONCLUSIONS	13
6.0	REFERENCES	14

LIST OF FIGURES

DESCRIPTION	FIGURE
GENERAL SITE LOCATION	1
SITE MAP	2
PIEZOMETRIC MAP	3
COC MAP	4

LIST OF APPENDICES

DESCRIPTION	APPENDIX
FIGURES	A
AFVR EMISSIONS DATA	B
WELL CONSTRUCTION LOGS	C
LABORATORY DATA	D
DISPOSAL MANIFEST	E

LIST OF TABLES

DESCRIPTION	TABLE
GROUNDWATER ELEVATION DATA	1
SUMMARY OF ANALYTICAL DATA	2
SUMMARY OF ADDITIONAL DATA	3

1.0 INTRODUCTION

The Corner Stop 28 site is located at 717 North Greenwood Ave. in Ware Shoals, South Carolina. A general site location map is provided as Figure 1 in Appendix A. Numerous assessment and sampling events have occurred at the site since the release was reported on December 31, 1991. As a result of the last assessment event conducted in March, 2008 a directive was sent out requesting Aggressive Fluid Vapor Recovery (AFVR) to be performed at the site along with additional wells to be installed and the well network be sampled. This report serves to present the results of the AFVR event and the current assessment investigation.

2.0 AGGRESSIVE FLUID VAPOR RECOVERY

The AFVR events was performed on July 15th and 16th, 2008. Free product measured 0.00 feet at MW-11 prior to and after the AFVR event conducted on July 15th. Free product measured 0.52 feet in MW-1 prior to its event on July 16th and 0.02 after the event concluded. A total of 36 gallons of product was recovered during this event from MW-1. A total of 454 gallons of product and water was recovered during the two events. Vacuum truck emissions monitoring data is included in Appendix B along with the manifests for the AFVR events.

3.0 SITE DESCRIPTION

Currently, there are twenty-five shallow wells and two telescoping wells located at the site. Figure 2 serves as a site map showing well locations. On December 2nd, 2008 Cypress Bay Geological, Inc. installed MW-23, MW-24, MW-25, MW-26, MW-27, and MW-28. MW-25 was found to be dry during the sampling event while MW-10 which is less than 20 feet from MW-25 had a water column of 25 feet. MW-25 may have water in it during future events once it has had time to accumulate water as it was installed in a solid rock formation. Well construction logs are presented in Appendix C. The piezometric data is provided in the following table and in Appendix A, Figure 3.

TABLE 1 Groundwater Data (feet) Corner Stop #28 Ware Shoals, SC							
Monitoring Well	**Date**	**TOC Elevation**	**Screened Interval**	**TOC to FP**	**TOC to GW**	**FP Thickness**	**GW Elevation**
MW-1	12/4/08	99.42	34-54	49.26	49.57	0.31	FP
MW-2	12/4/08	98.19	45-55	--	44.33	--	53.86
MW-3	12/4/08	99.02	45-55	47.53	47.55	0.02	FP
MW-4	12/4/08	102.70	45-60	DRY	DRY	DRY	DRY
MW-5	12/4/08	99.90	35-60	--	49.00	--	50.90
MW-6R	12/4/08	101.94	45-65	--	59.27	--	42.67
MW-7	12/4/08	101.61	35-60	59.29	59.32	0.03	FP
MW-9	12/4/08	96.71	35-60	--	42.21	--	54.50
MW-10	12/4/08	98.24	35-60	--	35.00	--	63.24
MW-11	12/4/08	100.53	30-55	54.73	54.89	0.16	FP
MW-12	12/4/08	97.96	33-48	DRY	DRY	DRY	DRY
MW-13	12/4/08	99.96	40-60	--	43.27	--	56.69
MW-14	12/4/08	102.92	40-60	--	56.78	--	46.14
MW-15	12/4/08	101.50	40-60	DRY	DRY	DRY	DRY
MW-16	12/4/08	98.68	40-60	--	52.59	--	46.09
MW-17	12/4/08	99.05	40-60	--	42.20	--	56.85
MW-18	12/4/08	101.23	40-60	55.87	55.93	0.06	FP
MW-19	12/4/08	102.19	40-60	DRY	DRY	DRY	DRY
MW-20	12/4/08	91.47	40-60	--	55.01	--	36.46
MW-21	12/4/08	100.39	45-65	--	61.25	--	39.14
MW-22	12/4/08	100.39	45-65	60.57	61.25	0.68	FP
MW-23	12/4/08	101.62	45-65	--	59.52	--	42.10
MW-24	12/4/08	101.71	45-65	--	61.91	--	39.80
MW-25	12/4/08	97.73	45-65	DRY	DRY	DRY	DRY
MW-26	12/4/08	100.01	45-65	--	52.96	--	47.05
MW-27	12/4/08	94.30	45-65	--	54.22	--	40.08
MW-28	12/4/08	87.21	45-65	--	50.32	--	36.89
T-1**	12/4/08	100.32	71-81	--	56.82	--	43.50
T-2**	12/4/08	91.86	76-81	--	55.46	--	36.40

**Piezometric data from wells with free product and telescoping well not used to construct the piezometric map.
CNL = Could Not Locate

Depths to fluid measurements were collected relative to the top of casing for each well using a hydrocarbon interface probe capable of detecting and measuring a hydrocarbon product thickness of 0.01 foot or 1/8 inch. Groundwater elevations were then determined by subtracting depth to fluid measurements from the top of casing elevations and a piezometric contour map of the

uppermost aquifer surface was developed (Appendix A, Figure 3). Free phase petroleum product was detected in monitoring wells MW-1, MW-3, MW-7, MW-11, MW-18, and MW-22 on the day sampling was performed. These wells along with the telescoping wells are not included in the piezometric map in Appendix A. Monitoring wells MW-4, MW-12, MW-15, MW-19, and MW-25 were dry.

4.0 GROUNDWATER QUALITY

KLM personnel performed the groundwater-sampling event on December 4th, 2008. Results from the most recent sampling event are included in the table for comparison.

TABLE 2
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethylbenzene	Total Xylenes
RBSL	**--**	**5**	**1000**	**700**	**10000**
MW-1	2/28/06	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**
MW-2	2/28/06	**3800**	**41000**	**4100**	**22500**
	5/30/07	**1300**	**20000**	**1900**	**12300**
	10/23/07	**2410**	**25900**	**3340**	**18350**
	2/27/08	**2770**	**28600**	**3670**	**20000**
	12/4/08	**2940**	**23400**	**2930**	**18200**
MW-3	2/28/06	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**
MW-4	2/28/06	NS	NS	NS	NS
	5/30/07	DRY	DRY	DRY	DRY
	10/23/07	DRY	DRY	DRY	DRY
	12/4/08	DRY	DRY	DRY	DRY
MW-5	2/28/06	**410**	150	19	270
	5/30/07	**900**	820	150	640
	10/23/07	**592**	334	70.1	444
	2/27/08	**482**	614	25.4	1110
	12/4/08	**363**	84.2	13.7	263
MW-6	2/28/06	**450**	350	650	1450
	5/30/07	<5.0	14	6.4	40
	10/23/07	DRY	DRY	DRY	DRY
MW-6R	2/27/08	**4470**	**19500**	**2300**	9800
	12/4/08	**95.7**	115	29.1	440

TABLE 2 CONT.
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethylbenzene	Total Xylenes
RBSL	--	5	1000	700	10000
MW-7	2/28/06	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**
MW-9	2/28/06	<1	<1	<1	<3
	5/30/07	<5.0	<5.0	<5.0	<10
	10/23/07	<5.0	5.2	<5.0	<10.0
	2/27/08	1.3	29.0	8.4	45.4
	12/4/08	1.7	22.9	6.0	33.5
MW-10	2/28/06	<1	<1	<1	<3
	5/30/07	<5.0	9.5	<5.0	21.4
	10/23/07	<5.0	19.4	6.7	43.3
	2/27/08	3.7	106	34.3	215
	12/4/08	2.5	32.1	7.6	47.7
MW-11	2/28/06	**12000**	**60000**	**10000**	**55000**
	5/30/07	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**
MW-12	2/28/06	**130**	7	1	94
	5/30/07	CNL	CNL	CNL	CNL
	10/23/07	CNL	CNL	CNL	CNL
	12/4/08	DRY	DRY	DRY	DRY
MW-13	5/30/07	<5.0	<5.0	<5.0	<10
	10/23/07	<5.0	7.4	<5.0	<10
	2/27/08	**6.4**	<5.0	<5.0	4.6
	12/4/08	4.8	83.3	24.4	134
MW-14	5/30/07	<5.0	<5.0	<5.0	<10
	10/23/07	<5.0	<5.0	<5.0	<10.0
	2/27/08	<5.0	<5.0	<5.0	<10.0
	12/4/08	2.6	44.3	12.7	70.0
MW-15	5/30/07	**10000**	**42000**	**3400**	**29000**
	10/23/07	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**
	12/4/08	DRY	DRY	DRY	DRY

TABLE 2 CONT.
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethylbenzene	Total Xylenes
RBSL	--	5	1000	700	10000
MW-16	5/30/07	<5.0	<5.0	<5.0	<10.0
	10/23/07	<5.0	9.3	<5.0	20.2
	2/27/08	1.7	30.1	8.5	44.9
	12/4/08	**17.9**	321	102	590
MW-17	10/23/07	**2610**	**7400**	**912**	6330
	2/27/08	**4810**	**15900**	**2450**	**14200**
	12/4/08	**5610**	**21500**	**1630**	**14600**
MW-18	10/23/07	**2180**	**20000**	**3410**	**19880**
	2/27/08	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**
MW-19	10/23/07	**9840**	**47600**	**5260**	**27800**
	2/27/08	**FP**	**FP**	**FP**	**FP**
	12/4/08	DRY	DRY	DRY	DRY
MW-20	10/23/07	<5.0	<5.0	<5.0	<10.0
	2/27/08	<5.0	<5.0	<5.0	<10.0
	12/4/08	<5.0	4.8	1.8	18.5
MW-21	2/27/08	**123**	23.0	15.3	569
	12/4/08	**1510**	**1870**	**1530**	**11000**
MW-22	2/27/08	**9410**	**45300**	**4050**	**21000**
	12/4/08	**FP**	**FP**	**FP**	**FP**
MW-23	12/4/08	**19.3**	173	40.5	236
MW-24	12/4/08	1.9	65.8	40.9	573
MW-25	12/4/08	DRY	DRY	DRY	DRY
MW-26	12/4/08	**596**	33.0	25.4	179
MW-27	12/4/08	**1620**	67.8	62.0	1000
MW-28	12/4/08	**1010**	19.6	6.7	1110
T-1	2/28/06	NS	NS	NS	NS
	5/30/07	**41**	240	120	790
	10/23/07	**<25**	44.7	<25	<50
	2/27/08	**5.4**	28.0	3.9	21.4
	12/4/08	3.2	64.0	24.5	128
T-2	10/23/07	<5.0	33.2	9.9	52.5
	2/27/08	<5.0	7.1	<5.0	5.3
	12/4/08	<5.0	1.9	<5.0	<10.0

All results presented in the table are in ug/l unless otherwise stated. FP = Free product, NA = Not Analyzed

TABLE 3
Additional Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	MTBE	Naphthalene	Lead	EDB	1,2 - Dichloroethane
RBSL	--	40	25	15	0.05	5
MW-1	2/28/06	NS	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**	NS
	10/23/07	**FP**	**FP**	**FP**	**FP**	NS
	2/27/08	**FP**	**FP**	**FP**	**FP**	NS
	12/4/08	**FP**	**FP**	**FP**	**FP**	NS
MW-2	2/28/06	**1100**	**<400**	NS	**10**	NS
	5/30/07	**1900**	**400**	<5.0	**15**	NS
	10/23/07	**7510**	**1940**	<5.0	**16.8**	NS
	2/27/08	**4040**	**991**	<5.0	**12.6**	**<1000**
	12/4/08	**17500**	**<1000**	11.3	**53.4**	NS
MW-3	2/28/06	NS	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**	NS
	10/23/07	**FP**	**FP**	**FP**	**FP**	NS
	2/27/08	**FP**	**FP**	**FP**	**FP**	NS
	12/4/08	**FP**	**FP**	**FP**	**FP**	NS
MW-4	2/28/06	NS	NS	NS	NS	NS
	5/30/07	DRY	DRY	DRY	DRY	NS
	10/23/07	DRY	DRY	DRY	DRY	NS
	12/4/08	DRY	DRY	DRY	DRY	NS
MW-5	2/28/06	**140**	3	NS	<0.02	NS
	5/30/07	**860**	13	<5	**0.20**	NS
	10/23/07	**425**	**45.4**	<5.0	0.031	NS
	2/27/08	**557**	**34.8**	<5.0	<0.02	**<25.0**
	12/4/08	**831**	<25.0	11.2	**0.06**	NS
MW-6	2/28/06	19	<1	NS	<0.02	NS
	5/30/07	<5.0	12	NS	NS	NS
	10/23/07	DRY	DRY	DRY	DRY	NS
MW-6R	2/27/08	**85.9**	**351**	**340**	<0.02	**<50.0**
	12/4/08	**63.3**	**57.1**	**96.1**	<0.02	NS
MW-7	2/28/06	NS	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**	NS
	10/23/07	**FP**	**FP**	**FP**	**FP**	NS
	2/27/08	**FP**	**FP**	**FP**	**FP**	NS
	12/4/08	**FP**	**FP**	**FP**	**FP**	NS

TABLE 3 CONT.
Additional Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	MTBE	Naphthalene	Lead	EDB	1,2 - Dichloroethane
RBSL	--	40	25	15	0.05	5
MW-9	2/28/06	<1	<1	NS	<0.02	NS
	5/30/07	<5.0	<5.0	<5.0	<0.02	NS
	10/23/07	<5.0	<5.0	<5.0	<0.02	NS
	2/27/08	<5.0	8.6	<5.0	<0.02	<5.0
	12/4/08	2.4	<5.0	8.0	<0.019	NS
MW-10	2/28/06	<1	<1	NS	<0.02	NS
	5/30/07	<5.0	6.7	<5.0	<0.02	NS
	10/23/07	<5.0	11.7	<5.0	<0.02	NS
	2/27/08	2.1	**43.2**	<5.0	<0.02	<5.0
	12/4/08	6.5	7.5	<5.0	0.046	NS
MW-11	2/28/06	**37000**	**3400**	NS	**19**	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**	NS
	10/23/07	**FP**	**FP**	**FP**	**FP**	NS
	2/27/08	**FP**	**FP**	**FP**	**FP**	NS
	12/4/08	**FP**	**FP**	**FP**	**FP**	NS
MW-12	2/28/06	22	1	NS	<0.02	NS
	5/30/07	CNL	CNL	CNL	CNL	NS
	10/23/07	CNL	CNL	CNL	CNL	NS
	12/4/08	DRY	DRY	DRY	DRY	NS
MW-13	5/30/07	<5.0	<5.0	**54**	<0.02	NS
	10/23/07	<5.0	6.3	<5.0	<0.02	NS
	2/27/08	<5.0	3.1	<5.0	<0.02	<5.0
	12/4/08	4.1	10.1	<5.0	<0.02	NS
MW-14	5/30/07	<5.0	<5.0	**180**	<0.02	NS
	10/23/07	<5.0	<5.0	**22.5**	<0.02	NS
	2/27/08	<5.0	<5.0	**55.6**	<0.02	<5.0
	12/4/08	2.7	6.4	**20.1**	<0.02	NS
MW-15	5/30/07	**980**	**830**	**94**	**23**	NS
	10/23/07	**FP**	**FP**	**FP**	**FP**	NS
	2/27/08	**FP**	**FP**	**FP**	**FP**	NS
	12/4/08	DRY	DRY	DRY	DRY	NS
MW-16	5/30/07	<5.0	<5.0	**27**	<0.02	NS
	10/23/07	<5.0	5.7	10.2	<0.02	NS
	2/27/08	<5.0	4.1	12.0	<0.02	<5.0
	12/4/08	<5.0	**69.4**	13.4	0.034	NS

TABLE 3 CONT. Additional Summary of Analytical Data Corner Stop 28 Ware Shoals, SC						
Well #	**Date Sampled**	**MTBE**	**Naphthalene**	**Lead**	**EDB**	**1,2 - Dichloroethane**
RBSL	**--**	**40**	**25**	**15**	**0.05**	**5**
MW-17	10/23/07	**9380**	**<500**	**55.6**	**24.6**	NS
	2/27/08	**12200**	**764**	8.2	**37.1**	**<250**
	12/4/08	**17700**	**749**	**17.8**	**87.5**	NS
MW-18	10/23/07	**1030**	**830**	**36.1**	**0.88**	NS
	2/27/08	**FP**	**FP**	**FP**	**FP**	NS
	12/4/08	**FP**	**FP**	**FP**	**FP**	NS
MW-19	10/23/07	**18500**	**1660**	**35.5**	**16.4**	NS
	2/27/08	**FP**	**FP**	**FP**	**FP**	NS
	12/4/08	DRY	DRY	DRY	DRY	NS
MW-20	10/23/07	<5.0	<5.0	**22.2**	<0.02	NS
	2/27/08	<5.0	<5.0	**74.6**	<0.02	<5.0
	12/4/08	<5.0	3.0	**32.7**	<0.019	NS
MW-21	2/27/08	8.3	**53.4**	**218**	<0.02	<5.0
	12/4/08	**321**	**598**	**81.3**	**0.53**	NS
MW-22	2/27/08	**12300**	**<2500**	**128**	**4.0**	**12.7**
	12/4/08	**FP**	**FP**	**FP**	**FP**	NS
MW-23	12/4/08	19.4	**40.1**	**25.0**	**0.083**	NS
MW-24	12/4/08	<5.0	**90.2**	**33.1**	<0.019	NS
MW-25	12/4/08	DRY	DRY	DRY	DRY	NS
MW-26	12/4/08	20.5	**51.6**	**48.0**	**0.26**	NS
MW-27	12/4/08	**4800**	**125**	11.3	**0.93**	NS
MW-28	12/4/08	**2540**	**200**	7.7	**0.48**	NS
T-1	2/28/06	NS	NS	NS	NS	NS
	5/30/07	**1500**	**260**	<5.0	**0.71**	NS
	10/23/07	**655**	<25	**34.5**	**0.10**	NS
	2/27/08	**232**	21.8	5.8	<0.02	<5.0
	12/4/08	**92.0**	7.1	<5.0	<0.02	NS
T-2	10/23/07	<5.0	6.9	<5.0	<0.02	NS
	2/27/08	<5.0	3.5	<5.0	<0.02	<5.0
	12/4/08	<5.0	<5.0	<5.0	<0.019	NS

All results presented in the table are in ug/l unless otherwise stated. FP = Free product, NA = Not Analyzed
CNL = Could Not Locate

A minimum of three well volumes were purged from each monitoring well newly installed or not effectively bracketing the water table. Immediately after well purging was completed, groundwater samples were collected using disposable bottom entry sampling bailers, decanted into sterile glass sample containers provided by the analytical laboratory, and preserved in accordance with United

States Environmental Protection Agency (USEPA) sampling protocol. Standard field parameters (pH, specific conductivity, temperature, dissolved oxygen, salinity, and turbidity) were measured and recorded for each sample during well purging and at the time of collection. Following collection in the field, the groundwater samples were submitted to the analytical laboratory and analyzed for Benzene, Toluene, Ethylbenzene, total Xylenes (BTEX), Methyl-tert Butyl Ether (MTBE), Naphthalene, EDB, and Lead. A copy of the laboratory data and the chain-of-custody for the well sampling event is provided in Appendix D. A map with concentration levels for each well is provided as Figure 4 in Appendix A. A disposal manifest for the contaminated purge water and drill cuttings is provided in Appendix E.

5.0 CONCLUSIONS

KLM performed two AFVR events at the site in July 2008 and recovered 36 gallons of free phase product during that time. KLM personnel also attempted to gain off site access for the installation of monitoring wells at the locations requested by the SCDHEC during this event. KLM was unsuccessful in obtaining drilling permission either by speaking in person or sending certified correspondence. KLM contacted the SCDHEC for assistance and four letters were sent to the property owner requesting access. None of the letters were returned to the SCDHEC Project Manager. Subsequently KLM obtained an encroachment permit from the SCDOT to install monitoring points in the right-of-way and drilling could commence. These events delayed the completion of the project by nearly eight months.

This sampling event performed on December 4th, 2008 shows the presence of free phase petroleum at the site in monitoring wells MW-1, MW-3, MW-7, MW-11, MW-18, and MW-22. Monitoring wells MW-4, MW-12, MW-15, MW-19, and MW-25 were dry during this sampling event. Historically, MW-15 and MW-19 have contained free phase petroleum.

Based on the field activities and sampling results the contaminant plume remains undefined in all areas to the east of the site in the direction of groundwater flow. The free product plume also remains undefined to the south and east as well as at the northern tip. The free product plume is currently estimated at nearly 200 feet long and over forty feet wide while the contaminant plume is tentatively estimated at well over 300 feet long and nearly as wide.

In order to fully define the contaminant plume as well as the free product plume, KLM recommends delineation to the south and west of the site. As delineation requires rock drilling several events should be conducted in order to fully define the extent. During this delineation numerous AFVR events should be conducted in order to remove the massive amount of free phase product detected at the site. Based on previous events the product is relatively easy to recover during these events. Finally, an extensive receptor survey should be completed for properties well to the west, south, and north of the site to ensure a supply well is not present that could be impacted and also be aiding in expanding the size of the contaminated area.

6.0 REFERENCES

KLM Environmental, LLC, *Monitoring Report*, March, 2008.

KLM Environmental, LLC, *Assessment Report*, November, 2007.

KLM Environmental, LLC, *Assessment Report*, June, 2007.

Delta Environmental, Inc., *Monitoring Report*, February 2006.

South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management Underground Storage Tank Program, *South Carolina Risk-Based Corrective Action for Petroleum Releases*, May 15, 2001.

APPENDIX A

Figures

KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

Figure 1
USGS Map
Corner Stop 28
Ware Shoals, SC
Project # 05094.3

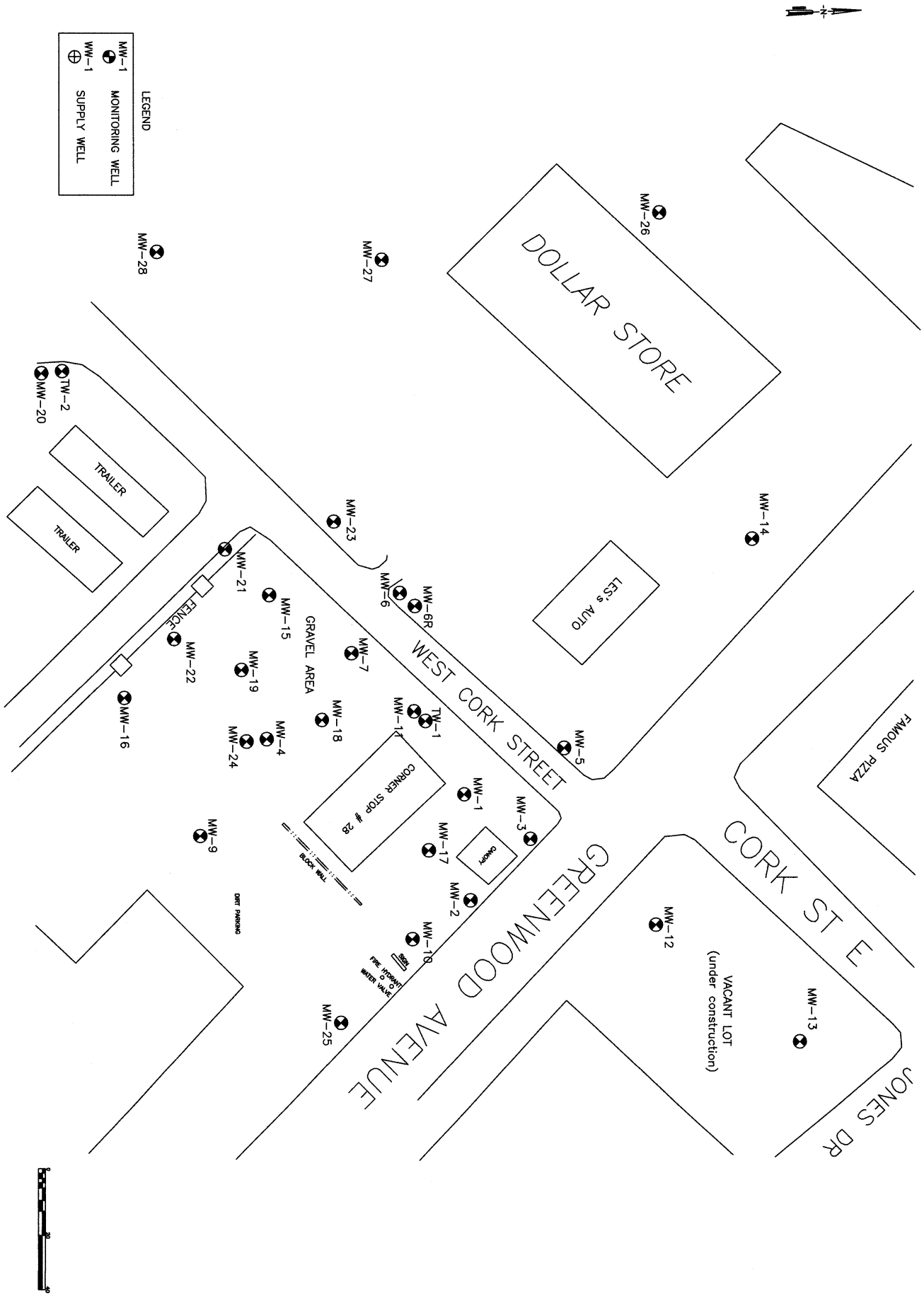

FIGURE 2
SITE MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

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Phase I· Phase II· Underground Storage Tanks· Soil & Water Sampling· Well Installation

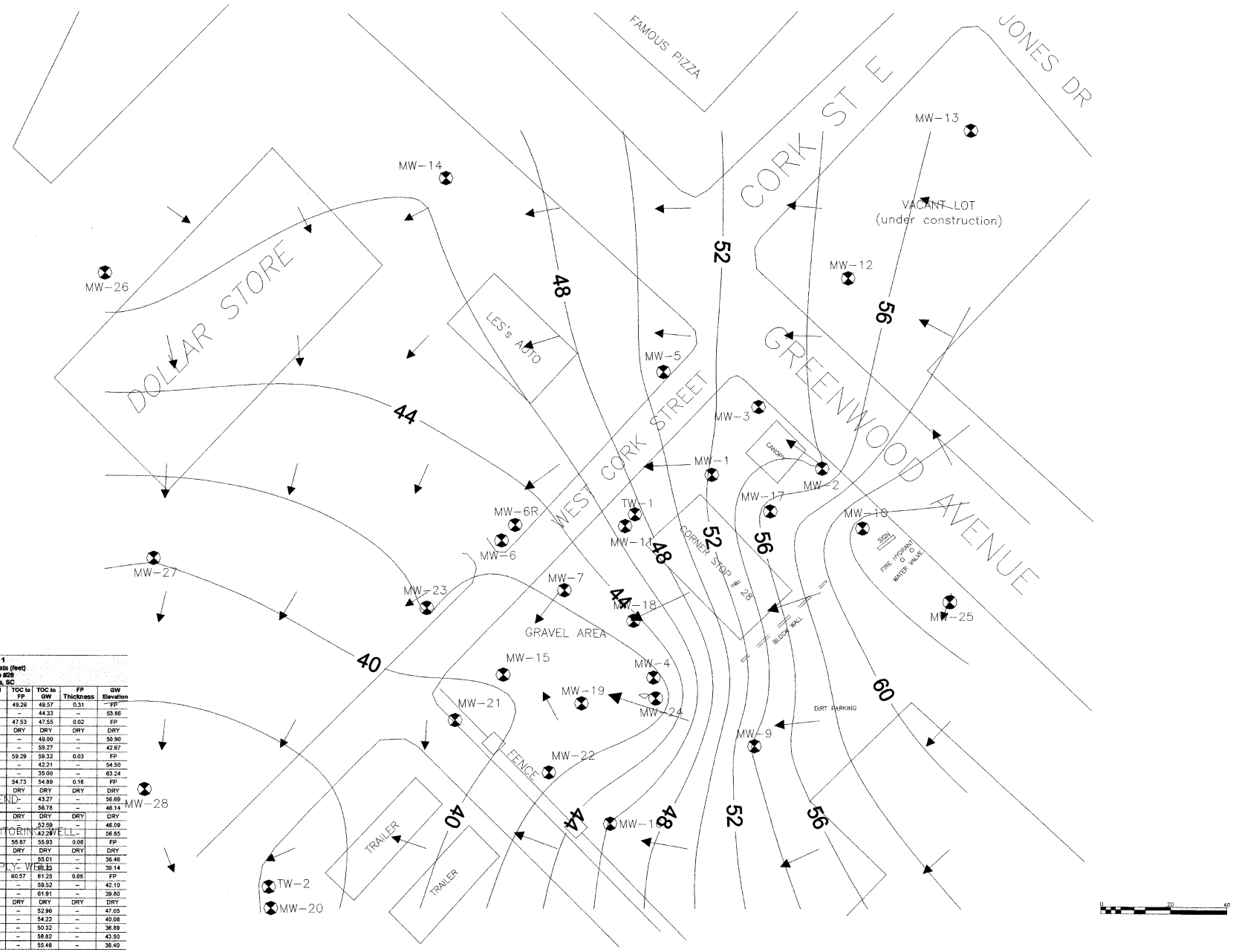

TABLE 1
Groundwater Data (feet)
Corner Stop #28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	FP Thickness	GW Elevation
MW-1	12/4/08	99.42	34-54	49.28	49.57	0.31	FP
MW-2	12/4/08	98.19	45-55	--	44.33	--	53.86
MW-3	12/4/08	99.02	45-55	47.53	47.55	0.02	FP
MW-4	12/4/08	102.70	45-60	DRY	DRY	DRY	DRY
MW-5	12/4/08	99.90	35-60	--	49.00	--	50.90
MW-6R	12/4/08	101.94	45-65	--	59.27	--	42.67
MW-7	12/4/08	101.61	35-60	59.29	59.32	0.03	FP
MW-9	12/4/08	96.71	35-60	--	42.21	--	54.50
MW-10	12/4/08	98.24	35-60	--	35.00	--	63.24
MW-11	12/4/08	100.53	30-55	54.73	54.89	0.16	FP
MW-12	12/4/08	97.96	33-48	DRY	DRY	DRY	DRY
MW-13	12/4/08	99.96	40-60	--	43.27	--	56.69
MW-14	12/4/08	102.92	40-60	--	56.78	--	46.14
MW-15	12/4/08	101.50	40-60	DRY	DRY	DRY	DRY
MW-16	12/4/08	99.68	40-60	--	52.59	--	46.09
MW-17	12/4/08	99.45	40-60	--	42.30	--	56.85
MW-18	12/4/08	98.23	40-60	55.87	55.93	0.06	FP
MW-19	12/4/08	102.19	40-60	DRY	DRY	DRY	DRY
MW-20	12/4/08	91.47	40-60	--	55.01	--	36.46
MW-21	12/4/08	100.39	34-54	--	61.25	--	39.14
MW-22	12/4/08	102.59	45-65	60.57	61.25	0.68	FP
MW-23	12/4/08	101.62	45-65	--	59.52	--	42.10
MW-24	12/4/08	101.71	45-65	--	61.91	--	39.80
MW-25	12/4/08	97.73	45-65	DRY	DRY	DRY	DRY
MW-26	12/4/08	100.01	45-65	--	52.96	--	47.05
MW-27	12/4/08	94.30	45-65	--	54.22	--	40.08
MW-28	12/4/08	87.21	45-65	--	50.32	--	36.89
T-1**	12/4/08	100.32	71-81	--	58.82	--	40.50
T-2**	12/4/08	91.86	76-81	--	55.46	--	36.40

-LEGEND-
MW-1 MONITORING WELL
TW-1 SUPPLY WELL

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Phase I · Phase II · Underground Storage Tanks · Soil & Water Sampling · Well Installation

FIGURE 3
PIEZOMETRIC MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

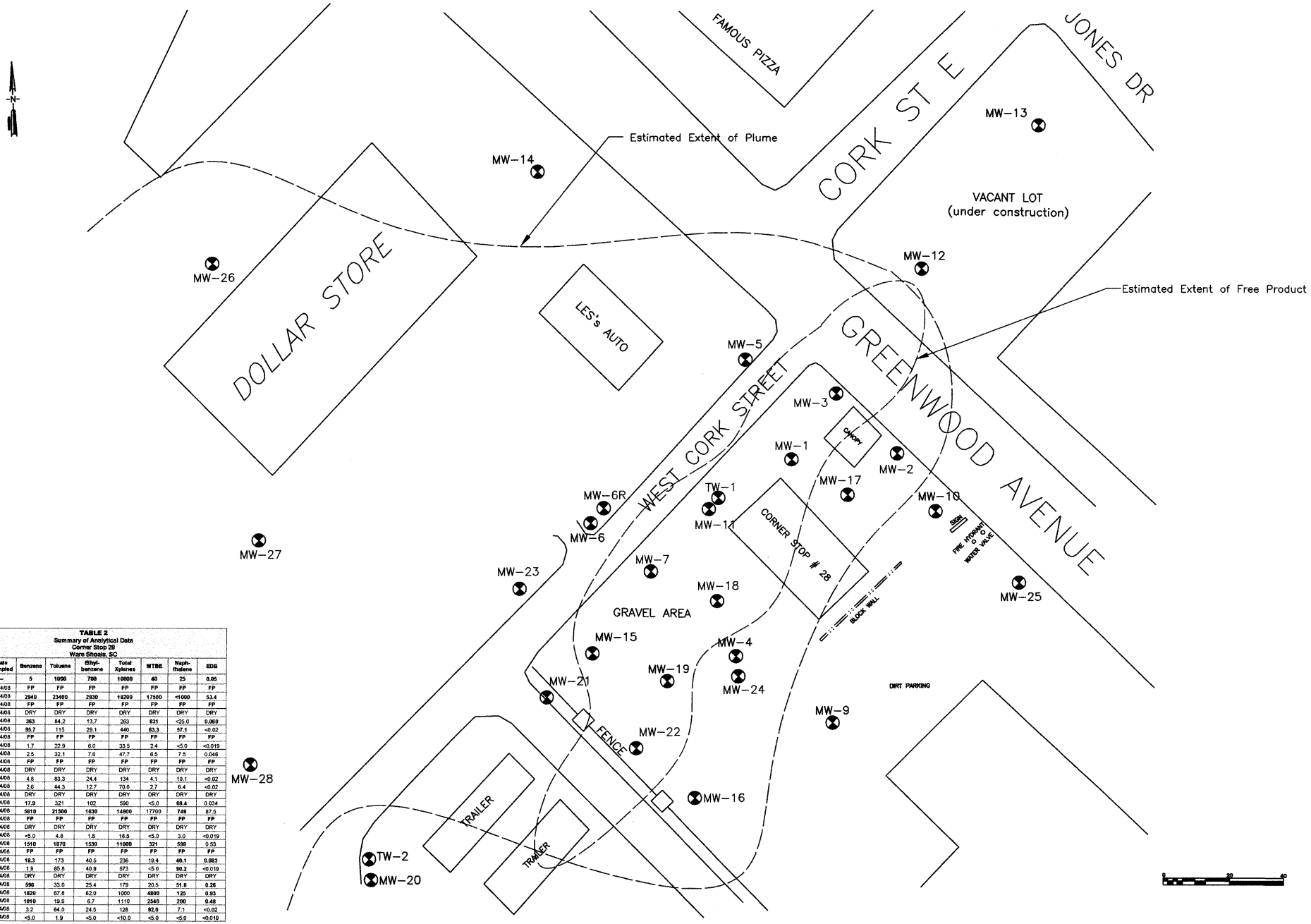

TABLE 2
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	EDB
RBSL	--	5	1000	700	10000	40	25	0.05
MW-1	12/4/08	FP	FP	FP	FP	FP	FP	FP
MW-2	12/4/08	2940	23400	2930	18200	17500	<1000	53.4
MW-3	12/4/08	FP	FP	FP	FP	FP	FP	FP
MW-4	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-5	12/4/08	363	84.2	13.7	263	831	<25.0	0.060
MW-6R	12/4/08	95.7	115	29.1	440	63.3	57.1	<0.02
MW-7	12/4/08	FP	FP	FP	FP	FP	FP	FP
MW-9	12/4/08	1.7	22.9	6.0	33.5	2.4	<5.0	<0.019
MW-10	12/4/08	2.5	32.1	7.6	47.7	6.5	7.5	0.046
MW-11	12/4/08	FP	FP	FP	FP	FP	FP	FP
MW-12	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-13	12/4/08	4.6	53.3	24.4	134	4.1	10.1	<0.02
MW-14	12/4/08	2.6	44.3	12.7	70.0	2.7	6.4	<0.02
MW-15	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-16	12/4/08	17.9	321	102	590	<5.0	68.4	0.034
MW-17	12/4/08	5610	21500	1630	14900	17700	749	87.5
MW-18	12/4/08	FP	FP	FP	FP	FP	FP	FP
MW-19	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-20	12/4/08	<5.0	4.8	1.8	16.5	<5.0	3.0	<0.019
MW-21	12/4/08	1510	1870	1530	11000	321	588	0.53
MW-22	12/4/08	FP	FP	FP	FP	FP	FP	FP
MW-23	12/4/08	19.3	173	40.5	236	19.4	40.1	0.083
MW-24	12/4/08	1.9	65.8	40.9	573	<5.0	50.2	<0.019
MW-25	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-26	12/4/08	596	33.0	25.4	179	20.5	51.6	0.26
MW-27	12/4/08	1820	67.8	62.0	1000	4800	125	0.93
MW-28	12/4/08	1010	19.6	6.7	1110	2540	200	0.48
T-1**	12/4/08	3.2	64.0	24.5	126	92.0	7.1	<0.02
T-2**	12/4/08	<5.0	1.9	<5.0	<10.0	<5.0	<5.0	<0.019

KLM Environmental, LLC

Phase I· Phase II· Underground Storage Tanks· Soil & Water Sampling· Well Installation

FIGURE 4
COC MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

APPENDIX B

AFVR EMISSIONS DATA

Site Location: Corner Stop 28, 717 North Greenwood Ave., Ware Shoals, SC		Date: 7/15/08
Site Conditions: The site was found in good condition, with all areas around the tank basin clean and free of debris. The monitoring wells located on site were in excellent condition as well, with no damage to the pads or wells.		
AFVR Contractor: EFR Technologies, LLC	Field Personnel: EFR Technologies, LLC: Wayne Infinger	General Weather Conditions: Sunny
Ambient Air Temperature: 85 Fahrenheit	Estimated Gallons of Product Removed: 0.00	Initial Product Thickness: MW-11 0.00
Final Product Thickness: MW-11 = 0.00	AFVR Start Time: 10:30	AFVR End Time: 18.30

Time (Readings Every 30 Minutes)	Recovery Rate Vacuum Inches of Hg	Recovery Rate Temp Degrees F	Recovery Rate Stack Velocity	Air Emission Conc. Measurements in ppb (Carbon Filter on Exhaust Gas)*
1030	-20	109.4	2.1	1337
1100	-20	115.8	2.2	1041
1130	-21	117.7	2.0	916
1200	-21	129.8	2.0	789
1230	-21	139.9	2.2	848
1300	-21	139.1	2.3	1286
1330	-21	149.8	1.9	1166
1400	-21	145.7	2.1	1040
1430	-21	150.8	2.1	974
1500	-21	150.4	2.1	1084
1530	-21	141.7	2.0	963
1600	-21	143.6	2.2	1096
1630	-21	151.7	2.4	1534
1700	-21	154.2	2.1	1191
1730	-21	140.6	2.0	889
1800	-21	146.7	1.9	851
1830	-21	155.3	1.9	1134

	Start	End
MW-11	54.69	54.89

KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

AFVR Table
Corner Stop 28
717 N. Greenwood Ave.
Ware Shoals, SC
Site ID # 05659 7/15/08

US Water Recovery

Non-Hazardous Wastewater Manifest

Number: 5308

1. Generator's EPA ID# (if applicable):

Waste ID Number:

2. Generator's Name and Mailing Address:

Corner Stop #28
7-15-08

Phone ( )

P O #:

3. Agent of Generator and Mailing Address:

KLM Enviromental
PO Box 2704 Goose Creek

Phone (843) 870-4285

P O #:

4. Transporter Company Name:

EFR Tech.
118 Springhill Suite E Goose Creek

Phone (843) 906-8759

Truck & Trailer License Number:

5. Transporter U.S. EPA ID#:

6. Facility Name and Site Address:
U S Water Recovery
435 Old Mt. Holly Rd.
Mt. Holly, SC 29445

Phone: (843) 797-8674

Fax: (843) 797-2126

Mailing Address:
U S Water Recovery
511 Old Mt. Holly Rd.
Goose Creek, SC 29445

Phone: (843) 797-3111

Fax: (843) 797-0710

7. Facility U.S. EPA ID#:

Start Level: End Level: Total Gallons: Tank Number

8. U.S. DOT Desciption	Container No.	Container Type	Unit	Quantity
a. Non-Hazardous, non-regulated waste water				77

9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.

Printed/Typed Name: Jason Boots Signature: Jasa Boots Date: 7-17-08

10. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: Wayne Infinger Signature: Wayne Infinger Date: 7-17-08

11. Discrepancy indication space:

12. Facility Owner or Operator: Certification of Receipt of Materials

Printed/Typed Name: George Saville Signature: George Saville Date: 7-17-08

White - Facility Yellow - Transporter Pink - Generator

4151

Site Location: Corner Stop 28, 717 North Greenwood Ave., Ware Shoals, SC	Date: 7/16/08

Site Conditions: The site was found in good condition, with all areas around the tank basin clean and free of debris. The monitoring wells located on site were in excellent condition as well, with no damage to the pads or wells.

AFVR Contractor: EFR Technologies, LLC	Field Personnel: EFR Technologies, LLC: Wayne Infinger	General Weather Conditions: Sunny
Ambient Air Temperature: 85 Fahrenheit	Estimated Gallons of Product Removed: 36 gallons	Initial Product Thickness: MW-1 0.52
Final Product Thickness: MW-1 = 0.02	AFVR Start Time: 9:00	AFVR End Time: 17.00

Time (Readings Every 30 Minutes)	Recovery Rate Vacuum Inches of Hg	Temp Degrees F	Stack Velocity	Air Emission Conc. Measurements in ppb (Carbon Filter on Exhaust Gas)*
900	-21	89.6	1.8	907
930	-21	107.8	2.3	1440
1000	-21	125.1	2.1	995
1030	-21	128.4	2.4	1315
1100	-21	131.0	2.1	1372
1130	-21	136.4	2.0	1543
1200	-21	132.3	2.1	1328
1230	-21	135.4	1.9	1283
1300	-21	138.9	1.9	1229
1330	-21	138.9	2.1	1725
1400	-21	147.2	1.9	576
1430	-21	146.8	1.9	509
1500	-21	149.4	2.4	714
1530	-21	144.6	1.8	626
1600	-21	150.7	2.0	772
1630	-21	150.2	1.8	641
1700	-21	147.8	2.0	811

	Start	End
MW-1	48.50 – 49.02	50.45 – 50.47

KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

AFVR Table
Corner Stop 28
717 N. Greenwood Ave.
Ware Shoals, SC
Site ID # 05659 7/16/08

US Water Recovery

Non-Hazardous Wastewater Manifest

Number: 5310

1. Generator's EPA ID# (if applicable):
Waste ID Number:

2. Generator's Name and Mailing Address:
Corner Stop #28
7-16-08
Phone ( )
P O #:

3. Agent of Generator and Mailing Address:
KLM Enviromental
Po Box 2704 Goose Creek
Phone (843) 870-4285
P O #:

4. Transporter Company Name:
EFR Tech
118 Springhill Suite E Goose Creek
Phone (843) 906-8759
Truck & Trailer License Number:

5. Transporter U.S. EPA ID#:

6. Facility Name and Site Address:
U S Water Recovery
435 Old Mt. Holly Rd.
Mt. Holly, SC 29445
Phone: (843) 797-8674
Fax: (843) 797-2126

Mailing Address:
U S Water Recovery
511 Old Mt. Holly Rd.
Goose Creek, SC 29445
Phone: (843) 797-3111
Fax: (843) 797-0710

7. Facility U.S. EPA ID#:

Start Level: End Level: Total Gallons: Tank Number
36 gallons of product

8. U.S. DOT Desciption	Container No.	Container Type	Unit	Quantity
a. Non-Hazardous, non-regulated waste water				377

9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.

Printed/Typed Name: Jason Boots Signature: Jason Boots Date: 7-17-08

10. Transporter Acknowledgement of Receipt of Materials
Printed/Typed Name: Wayne Infinger Signature: Wayne Infinger Date: 7-17-08

11. Discrepancy indication space:

12. Facility Owner or Operator Certification of Receipt of Materials
Printed/Typed Name: George Saville Signature: George Saville Date: 7-17-08

White - Facility Yellow - Transporter Pink - Generator

4152

APPENDIX C

Well Construction Logs

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227 10 South Cardinal Drive
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Laurens
Name: Corner Stop #28
Street Address: 717 North Greenwood Avenue
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-23

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

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
See attached geologist log for detailed	65	65
lithology		
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-21631

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

9. WELL DEPTH (completed) 65 ft. Date Started: 12/2/2008 Date Completed: 12/2/2008

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2" in. to 45 ft. depth
_____ in. to _____ ft. depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20.0
Set Between: 45 ft. and 65 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL app. 50' 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 43 ft. to 65 lt.
Effective size #2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 12/2/2008
Well Driller

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

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. _____ (last) (first)
Address: PO Box 3227 10 South Cardinal Drive
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Laurens
Name: Corner Stop #28
Street Address: 717 North Greenwood Avenue
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-24

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

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
See attached geologist log for detailed	65	65
lithology		
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-21631

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

9. WELL DEPTH (completed) Date Started: 12/2/2008
65 ft. Date Completed: 12/2/2008

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2" in. to 45 ft. depth
_____ in. to _____ ft. depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20.0
Set Between: 45 ft. and 65 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL app. 50' 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 43 ft. to 65 lt.
Effective size #2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 12/2/2008
Well Driller

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

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227 10 South Cardinal Drive
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Laurens
Name: Corner Stop #28
Street Address: 717 North Greenwood Avenue
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-25

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

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
See attached geologist log for detailed	65	65
lithology		
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-21631

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

9. WELL DEPTH (completed) 65 ft. Date Started: 12/2/2008 Date Completed: 12/2/2008

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2" in. to 45 ft. depth
_____ in. to _____ ft. depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20.0
Set Between: 45 ft. and 65 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL app. 50' 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 43 ft. to 65 lt.
Effective size #2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 12/2/2008
Well Driller

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

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227 10 South Cardinal Drive
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Laurens
Name: Corner Stop #28
Street Address: 717 North Greenwood Avenue
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ **PUBLIC SYSTEM NUMBER:** MW-26

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

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
See attached geologist log for detailed	65	65
lithology		
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-21631

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

9. WELL DEPTH (completed) 65 ft. Date Started: 12/2/2008 Date Completed: 12/2/2008

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2" in. to 45 ft. depth
_____ in. to _____ ft. depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20.0
Set Between: 45 ft. and 65 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL app. 50' 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 43 ft. to 65 lt.
Effective size #2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 12/2/2008
Well Driller

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

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227 10 South Cardinal Drive
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Laurens
Name: Corner Stop #28
Street Address: 717 North Greenwood Avenue
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-27

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

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
See attached geologist log for detailed	65	65
lithology		
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-21631

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

9. WELL DEPTH (completed) 65 ft. Date Started: 12/2/2008 Date Completed: 12/2/2008

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2" in. to 45 ft. depth
_____ in. to _____ ft. depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20.0
Set Between: 45 ft. and 65 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL app. 50' 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 43 ft. to 65 lt.
Effective size #2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 12/2/2008
Well Driller

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

DHEC 1903 (07/2003) COPY I 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: Worsley Companies, Inc. _____ (last) (first)
Address: PO Box 3227 10 South Cardinal Drive
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Laurens
Name: Corner Stop #28
Street Address: 717 North Greenwood Avenue
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-28

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

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
See attached geologist log for detailed	65	65
lithology		
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-21631

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

9. WELL DEPTH (completed) 65 ft. Date Started: 12/2/2008 Date Completed: 12/2/2008

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2" in. to 45 ft. depth
_____ in. to _____ ft. depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20.0
Set Between: 45 ft. and 65 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL app. 50' 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 43 ft. to 65 lt.
Effective size #2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 12/2/2008
Well Driller

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

CYPRESS BAY℠ GEOLOGICAL
262 Geology Lane
Walterboro, South Carolina 29488
email: jpeurifoy@cypressbay.com
www.cypressbay.com
Office: 843.538.4017
Fax: 866.466.5658
Mobile: 843.908.5050
Pager: 843.908.5050

FIELD BORING LOG

Site:	Corner Stop 28			Boring Number:	MW-23
Client:	Worsley Companies			Date:	12/03/08
Rig:	Drill	Drill Method:	Air Hammer	Driller/Crew:	Jim Peurifoy
Drill Start:		Drill End:		GW Level/Time:	

Depth	Description	SPT Blows	Comments
0 - 8 ft	Orange silty clay		
8 - 65 ft	Orangish grey rock with silt and clay		Terminated at 65 ft.

Form BL-1v1/2006

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www.cypressbay.com
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Mobile: 843.908.5050
Pager: 843.908.5050

FIELD BORING LOG

Site:	Corner Stop 28			Boring Number:	MW-24
Client:	Worsley Companies			Date:	12/03/08
Rig:	Drill	Drill Method:	Air Hammer	Driller/Crew:	Jim Peurifoy
Drill Start:		Drill End:		GW Level/Time:	

Depth	Description	SPT Blows	Comments
0 - 8 ft	Orange silty clay		
8 - 65 ft	Orangish grey rock with silt and clay		Terminated at 65 ft.

Form BL-1v1/2006

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Walterboro, South Carolina 29488
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Mobile: 843.908.5050
Pager: 843.908.5050

FIELD BORING LOG

Site:	Corner Stop 28			Boring Number:	MW-25
Client:	Worsley Companies			Date:	12/03/08
Rig:	Drill	Drill Method:	Air Hammer	Driller/Crew:	Jim Peurifoy
Drill Start:		Drill End:		GW Level/Time:	

Depth	Description	SPT Blows	Comments
0 - 8 ft	Orange silty clay		
8 - 65 ft	Orangish grey rock with silt and clay		Terminated at 65 ft.

Form BL-1v1/2006

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Walterboro, South Carolina 29488
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www.cypressbay.com
Office: 843.538.4017
Fax: 866.466.5658
Mobile: 843.908.5050
Pager: 843.908.5050

FIELD BORING LOG

Site:	Corner Stop 28			Boring Number:	MW-26
Client:	Worsley Companies			Date:	12/03/08
Rig:	Drill	Drill Method:	Air Hammer	Driller/Crew:	Jim Peurifoy
Drill Start:		Drill End:		GW Level/Time:	

Depth	Description	SPT Blows	Comments
0 - 8 ft	Orange silty clay		
8 - 65 ft	Orangish grey rock with silt and clay		Terminated at 65 ft.

Form BL-1v1/2006

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Walterboro, South Carolina 29488
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Office: 843.538.4017
Fax: 866.466.5658
Mobile: 843.908.5050
Pager: 843.908.5050

FIELD BORING LOG

Site:	Corner Stop 28			Boring Number:	MW-27
Client:	Worsley Companies			Date:	12/03/08
Rig:	Drill	Drill Method:	Air Hammer	Driller/Crew:	Jim Peurifoy
Drill Start:		Drill End:		GW Level/Time:	

Depth	Description	SPT Blows	Comments
0 - 8 ft	Orange silty clay		
8 - 65 ft	Orangish grey rock with silt and clay		Terminated at 65 ft.

Form BL-1v1/2006

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Fax: 866.466.5658
Mobile: 843.908.5050
Pager: 843.908.5050

FIELD BORING LOG

Site:	Corner Stop 28			Boring Number:	MW-28
Client:	Worsley Companies			Date:	12/03/08
Rig:	Drill	Drill Method:	Air Hammer	Driller/Crew:	Jim Peurifoy
Drill Start:		Drill End:		GW Level/Time:	

Depth	Description	SPT Blows	Comments
0 - 8 ft	Orange silty clay		
8 - 65 ft	Orangish grey rock with silt and clay		Terminated at 65 ft.

Form BL-1v1/2006

APPENDIX D

Laboratory Data

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

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

December 12, 2008

Mr. Mark Keller
KLM Environmental
PO Box 2704
Goose Creek, SC 29445

RE: Project: CORNER STOP 28
Pace Project No.: 9233657

Dear Mr. Keller:
Enclosed are the analytical results for sample(s) received by the laboratory on December 05, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

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

Sincerely,

Kevin Herring

kevin.herring@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: CORNER STOP 28
Pace Project No.: 9233657

Charlotte Certification IDs

Connecticut Certification Number: PH-0104
Pennsylvania Certification Number: 68-00784
West Virginia Certification Number: 357
Virginia Certification Number: 00213
Tennessee Certification Number: 04010
South Carolina Drinking Water Cert. Number: 990060003
South Carolina Certification Number: 990060001
North Carolina Field Services Certification Number: 5342
North Carolina Wastewater Certification Number: 12
North Carolina Drinking Water Certification Number: 37706
Louisiana/LELAP Certification Number: 04034
Kentucky UST Certification Number: 84
New Jersey Certification Number: NC012
Florida/NELAP Certification Number: E87627

Asheville Certification IDs

Connecticut Certification Number: PH-0106
Massachusetts Certification Number: M-NC030
West Virginia Certification Number: 356
Virginia Certification Number: 00072
Tennessee Certification Number: 2980
South Carolina Bioassay Certification Number: 99030002
South Carolina Certification Number: 99030001
Pennsylvania Certification Number: 68-03578
North Carolina Bioassay Certification Number: 9
North Carolina Wastewater Certification Number: 40
North Carolina Drinking Water Certification Number: 37712
New Jersey Certification Number: NC011
Louisiana/LELAP Certification Number: 03095
Florida/NELAP Certification Number: E87648

Eden Certification IDs

Virginia Drinking Water Certification Number: 00424
North Carolina Wastewater Certification Number: 633
North Carolina Drinking Water Certification Number: 37738

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Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: CORNER STOP 28
Pace Project No.: 9233657

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9233657001	**MW-2**	Water	12/04/08 11:30	12/05/08 09:45
9233657002	**MW-5**	Water	12/04/08 12:30	12/05/08 09:45
9233657003	**MW-6R**	Water	12/04/08 10:30	12/05/08 09:45
9233657004	**MW-9**	Water	12/04/08 11:50	12/05/08 09:45
9233657005	**MW-10**	Water	12/04/08 11:40	12/05/08 09:45
9233657006	**MW-13**	Water	12/04/08 12:00	12/05/08 09:45
9233657007	**MW-14**	Water	12/04/08 12:10	12/05/08 09:45
9233657008	**MW-16**	Water	12/04/08 11:00	12/05/08 09:45
9233657009	**MW-17**	Water	12/04/08 11:20	12/05/08 09:45
9233657010	**MW-20**	Water	12/04/08 13:00	12/05/08 09:45
9233657011	**MW-21**	Water	12/04/08 11:10	12/05/08 09:45
9233657012	**MW-23**	Water	12/04/08 10:50	12/05/08 09:45
9233657013	**MW-24**	Water	12/04/08 10:40	12/05/08 09:45
9233657014	**MW-26**	Water	12/04/08 12:20	12/05/08 09:45
9233657015	**MW-27**	Water	12/04/08 12:40	12/05/08 09:45
9233657016	**MW-28**	Water	12/04/08 12:50	12/05/08 09:45
9233657017	**TW-1**	Water	12/04/08 13:40	12/05/08 09:45
9233657018	**TW-2**	Water	12/04/08 13:20	12/05/08 09:45

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SAMPLE ANALYTE COUNT

Project: CORNER STOP 28
Pace Project No.: 9233657

Lab ID	Sample ID	Method	Analysts	Analytes Reported
9233657001	MW-2	EPA 6010	JMW	1
		EPA 8011	CAH	2
		EPA 8260	MCK	12
9233657002	MW-5	EPA 6010	JMW	1
		EPA 8011	CAH	2
		EPA 8260	MCK	12
9233657003	MW-6R	EPA 6010	JMW	1
		EPA 8011	CAH	2
		EPA 8260	MCK	12
9233657004	MW-9	EPA 6010	JMW	1
		EPA 8011	CAH	2
		EPA 8260	MCK	12
9233657005	MW-10	EPA 6010	JMW	1
		EPA 8011	CAH	2
		EPA 8260	MCK	12
9233657006	MW-13	EPA 6010	JMW	1
		EPA 8011	CAH	2
		EPA 8260	MCK	12
9233657007	MW-14	EPA 6010	JMW	1
		EPA 8011	CAH	2
		EPA 8260	MCK	12
9233657008	MW-16	EPA 6010	JMW	1
		EPA 8011	CAH	2
		EPA 8260	MCK	12
9233657009	MW-17	EPA 6010	JMW	1
		EPA 8011	CAH	2
		EPA 8260	MCK	12
9233657010	MW-20	EPA 6010	JMW	1
		EPA 8011	CAH	2
		EPA 8260	MCK	12
9233657011	MW-21	EPA 6010	JMW	1
		EPA 8011	CAH	2
		EPA 8260	MCK	12
9233657012	MW-23	EPA 6010	JMW	1
		EPA 8011	CAH	2
		EPA 8260	MCK	12
9233657013	MW-24	EPA 6010	JMW	1

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SAMPLE ANALYTE COUNT

Project: CORNER STOP 28
Pace Project No.: 9233657

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 8011	CAH	2
		EPA 8260	MCK	12
9233657014	MW-26	EPA 6010	JMW	1
		EPA 8011	CAH	2
		EPA 8260	MCK	12
9233657015	MW-27	EPA 6010	JMW	1
		EPA 8011	CAH	2
		EPA 8260	MCK	12
9233657016	MW-28	EPA 6010	JMW	1
		EPA 8011	CAH	2
		EPA 8260	MCK	12
9233657017	TW-1	EPA 6010	JMW	1
		EPA 8011	CAH	2
		EPA 8260	MCK	12
9233657018	TW-2	EPA 6010	JMW	1
		EPA 8011	CAH	2
		EPA 8260	MCK	12

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9233657

Sample: MW-2 **Lab ID: 9233657001** Collected: 12/04/08 11:30 Received: 12/05/08 09:45 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)	**53.4**	ug/L	0.98	0.98	50	12/09/08 14:04	12/11/08 14:39	106-93-4	
1-Chloro-2-bromopropane (S)	94	%	60-140		1	12/09/08 14:04	12/10/08 03:17	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**11.3**	ug/L	5.0	4.0	1	12/06/08 13:30	12/09/08 00:01	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**2940**	ug/L	1000	240	200		12/08/08 15:49	71-43-2	
Ethylbenzene	**2930**	ug/L	1000	220	200		12/08/08 15:49	100-41-4	
Methyl-tert-butyl ether	**17500**	ug/L	1000	400	200		12/08/08 15:49	1634-04-4	
Naphthalene	ND	ug/L	1000	580	200		12/08/08 15:49	91-20-3	
Toluene	**23400**	ug/L	1000	360	200		12/08/08 15:49	108-88-3	
Xylene (Total)	**18200**	ug/L	2000	540	200		12/08/08 15:49	1330-20-7	
m&p-Xylene	**11600**	ug/L	2000	540	200		12/08/08 15:49	1330-20-7	
o-Xylene	**6560**	ug/L	1000	340	200		12/08/08 15:49	95-47-6	
4-Bromofluorobenzene (S)	107	%	87-109		200		12/08/08 15:49	460-00-4	
Dibromofluoromethane (S)	94	%	85-115		200		12/08/08 15:49	1868-53-7	
1,2-Dichloroethane-d4 (S)	96	%	79-120		200		12/08/08 15:49	17060-07-0	
Toluene-d8 (S)	99	%	70-120		200		12/08/08 15:49	2037-26-5	

Sample: MW-5 **Lab ID: 9233657002** Collected: 12/04/08 12:30 Received: 12/05/08 09:45 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)	**0.060**	ug/L	0.019	0.019	1	12/09/08 14:04	12/10/08 03:29	106-93-4	
1-Chloro-2-bromopropane (S)	97	%	60-140		1	12/09/08 14:04	12/10/08 03:29	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**11.2**	ug/L	5.0	4.0	1	12/06/08 13:30	12/09/08 00:12	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**363**	ug/L	25.0	6.0	5		12/09/08 18:19	71-43-2	
Ethylbenzene	**13.7J**	ug/L	25.0	5.5	5		12/09/08 18:19	100-41-4	
Methyl-tert-butyl ether	**831**	ug/L	25.0	10.0	5		12/09/08 18:19	1634-04-4	
Naphthalene	ND	ug/L	25.0	14.5	5		12/09/08 18:19	91-20-3	
Toluene	**84.2**	ug/L	25.0	9.0	5		12/09/08 18:19	108-88-3	
Xylene (Total)	**263**	ug/L	50.0	13.5	5		12/09/08 18:19	1330-20-7	
m&p-Xylene	**184**	ug/L	50.0	13.5	5		12/09/08 18:19	1330-20-7	
o-Xylene	**78.8**	ug/L	25.0	8.5	5		12/09/08 18:19	95-47-6	
4-Bromofluorobenzene (S)	102	%	87-109		5		12/09/08 18:19	460-00-4	
Dibromofluoromethane (S)	105	%	85-115		5		12/09/08 18:19	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	79-120		5		12/09/08 18:19	17060-07-0	
Toluene-d8 (S)	102	%	70-120		5		12/09/08 18:19	2037-26-5	

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(828)254-7176

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

ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9233657

Sample: MW-6R **Lab ID: 9233657003** Collected: 12/04/08 10:30 Received: 12/05/08 09:45 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	12/09/08 14:04	12/10/08 03:41	106-93-4	
1-Chloro-2-bromopropane (S)	112	%	60-140		1	12/09/08 14:04	12/10/08 03:41	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**96.1**	ug/L	5.0	4.0	1	12/06/08 13:30	12/09/08 00:15	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**95.7**	ug/L	5.0	1.2	1		12/09/08 10:50	71-43-2	
Ethylbenzene	**29.1**	ug/L	5.0	1.1	1		12/09/08 10:50	100-41-4	
Methyl-tert-butyl ether	**63.3**	ug/L	5.0	2.0	1		12/09/08 10:50	1634-04-4	
Naphthalene	**57.1**	ug/L	5.0	2.9	1		12/09/08 10:50	91-20-3	
Toluene	**115**	ug/L	5.0	1.8	1		12/09/08 10:50	108-88-3	
Xylene (Total)	**440**	ug/L	20.0	5.4	2		12/11/08 14:46	1330-20-7	
m&p-Xylene	**347**	ug/L	20.0	5.4	2		12/11/08 14:46	1330-20-7	
o-Xylene	**92.3**	ug/L	5.0	1.7	1		12/09/08 10:50	95-47-6	
4-Bromofluorobenzene (S)	108	%	87-109		1		12/09/08 10:50	460-00-4	
Dibromofluoromethane (S)	96	%	85-115		1		12/09/08 10:50	1868-53-7	
1,2-Dichloroethane-d4 (S)	92	%	79-120		1		12/09/08 10:50	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		12/09/08 10:50	2037-26-5	

Sample: MW-9 **Lab ID: 9233657004** Collected: 12/04/08 11:50 Received: 12/05/08 09:45 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	12/09/08 14:04	12/10/08 03:53	106-93-4	
1-Chloro-2-bromopropane (S)	101	%	60-140		1	12/09/08 14:04	12/10/08 03:53	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**8.0**	ug/L	5.0	4.0	1	12/06/08 13:30	12/09/08 00:19	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**1.7J**	ug/L	5.0	1.2	1		12/08/08 18:37	71-43-2	
Ethylbenzene	**6.0**	ug/L	5.0	1.1	1		12/08/08 18:37	100-41-4	
Methyl-tert-butyl ether	**2.4J**	ug/L	5.0	2.0	1		12/08/08 18:37	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.9	1		12/08/08 18:37	91-20-3	
Toluene	**22.9**	ug/L	5.0	1.8	1		12/08/08 18:37	108-88-3	
Xylene (Total)	**33.5**	ug/L	10.0	2.7	1		12/08/08 18:37	1330-20-7	
m&p-Xylene	**23.1**	ug/L	10.0	2.7	1		12/08/08 18:37	1330-20-7	
o-Xylene	**10.4**	ug/L	5.0	1.7	1		12/08/08 18:37	95-47-6	
4-Bromofluorobenzene (S)	100	%	87-109		1		12/08/08 18:37	460-00-4	
Dibromofluoromethane (S)	102	%	85-115		1		12/08/08 18:37	1868-53-7	
1,2-Dichloroethane-d4 (S)	96	%	79-120		1		12/08/08 18:37	17060-07-0	
Toluene-d8 (S)	101	%	70-120		1		12/08/08 18:37	2037-26-5	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9233657

Sample: MW-10 **Lab ID: 9233657005** Collected: 12/04/08 11:40 Received: 12/05/08 09:45 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)	**0.046**	ug/L	0.020	0.020	1	12/09/08 14:04	12/10/08 04:05	106-93-4	
1-Chloro-2-bromopropane (S)	99	%	60-140		1	12/09/08 14:04	12/10/08 04:05	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	12/06/08 13:30	12/09/08 00:23	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**2.5J**	ug/L	5.0	1.2	1		12/08/08 18:54	71-43-2	
Ethylbenzene	**7.6**	ug/L	5.0	1.1	1		12/08/08 18:54	100-41-4	
Methyl-tert-butyl ether	**6.5**	ug/L	5.0	2.0	1		12/08/08 18:54	1634-04-4	
Naphthalene	**7.5**	ug/L	5.0	2.9	1		12/08/08 18:54	91-20-3	
Toluene	**32.1**	ug/L	5.0	1.8	1		12/08/08 18:54	108-88-3	
Xylene (Total)	**47.7**	ug/L	10.0	2.7	1		12/08/08 18:54	1330-20-7	
m&p-Xylene	**31.8**	ug/L	10.0	2.7	1		12/08/08 18:54	1330-20-7	
o-Xylene	**15.9**	ug/L	5.0	1.7	1		12/08/08 18:54	95-47-6	
4-Bromofluorobenzene (S)	101	%	87-109		1		12/08/08 18:54	460-00-4	
Dibromofluoromethane (S)	103	%	85-115		1		12/08/08 18:54	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	79-120		1		12/08/08 18:54	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		12/08/08 18:54	2037-26-5	

Sample: MW-13 **Lab ID: 9233657006** Collected: 12/04/08 12:00 Received: 12/05/08 09:45 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	12/09/08 14:04	12/10/08 04:17	106-93-4	
1-Chloro-2-bromopropane (S)	99	%	60-140		1	12/09/08 14:04	12/10/08 04:17	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	12/06/08 13:30	12/09/08 00:26	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**4.8J**	ug/L	5.0	1.2	1		12/08/08 19:11	71-43-2	
Ethylbenzene	**24.4**	ug/L	5.0	1.1	1		12/08/08 19:11	100-41-4	
Methyl-tert-butyl ether	**4.1J**	ug/L	5.0	2.0	1		12/08/08 19:11	1634-04-4	
Naphthalene	**10.1**	ug/L	5.0	2.9	1		12/08/08 19:11	91-20-3	
Toluene	**83.3**	ug/L	5.0	1.8	1		12/08/08 19:11	108-88-3	
Xylene (Total)	**134**	ug/L	10.0	2.7	1		12/08/08 19:11	1330-20-7	
m&p-Xylene	**94.4**	ug/L	10.0	2.7	1		12/08/08 19:11	1330-20-7	
o-Xylene	**39.2**	ug/L	5.0	1.7	1		12/08/08 19:11	95-47-6	
4-Bromofluorobenzene (S)	102	%	87-109		1		12/08/08 19:11	460-00-4	
Dibromofluoromethane (S)	102	%	85-115		1		12/08/08 19:11	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	79-120		1		12/08/08 19:11	17060-07-0	
Toluene-d8 (S)	97	%	70-120		1		12/08/08 19:11	2037-26-5	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9233657

Sample: MW-14 **Lab ID: 9233657007** Collected: 12/04/08 12:10 Received: 12/05/08 09:45 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	12/09/08 14:04	12/10/08 04:29	106-93-4	
1-Chloro-2-bromopropane (S)	108	%	60-140		1	12/09/08 14:04	12/10/08 04:29	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**20.1**	ug/L	5.0	4.0	1	12/06/08 13:30	12/09/08 00:30	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**2.6J**	ug/L	5.0	1.2	1		12/08/08 19:29	71-43-2	
Ethylbenzene	**12.7**	ug/L	5.0	1.1	1		12/08/08 19:29	100-41-4	
Methyl-tert-butyl ether	**2.7J**	ug/L	5.0	2.0	1		12/08/08 19:29	1634-04-4	
Naphthalene	**6.4**	ug/L	5.0	2.9	1		12/08/08 19:29	91-20-3	
Toluene	**44.3**	ug/L	5.0	1.8	1		12/08/08 19:29	108-88-3	
Xylene (Total)	**70.0**	ug/L	10.0	2.7	1		12/08/08 19:29	1330-20-7	
m&p-Xylene	**49.7**	ug/L	10.0	2.7	1		12/08/08 19:29	1330-20-7	
o-Xylene	**20.3**	ug/L	5.0	1.7	1		12/08/08 19:29	95-47-6	
4-Bromofluorobenzene (S)	100	%	87-109		1		12/08/08 19:29	460-00-4	
Dibromofluoromethane (S)	101	%	85-115		1		12/08/08 19:29	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120		1		12/08/08 19:29	17060-07-0	
Toluene-d8 (S)	101	%	70-120		1		12/08/08 19:29	2037-26-5	

Sample: MW-16 **Lab ID: 9233657008** Collected: 12/04/08 11:00 Received: 12/05/08 09:45 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)	**0.034**	ug/L	0.020	0.020	1	12/10/08 14:48	12/10/08 22:15	106-93-4	
1-Chloro-2-bromopropane (S)	108	%	60-140		1	12/10/08 14:48	12/10/08 22:15	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**13.4**	ug/L	5.0	4.0	1	12/06/08 13:30	12/09/08 00:33	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**17.9**	ug/L	5.0	1.2	1		12/08/08 16:38	71-43-2	
Ethylbenzene	**102**	ug/L	50.0	11.0	10		12/09/08 11:45	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.0	1		12/08/08 16:38	1634-04-4	
Naphthalene	**69.4**	ug/L	5.0	2.9	1		12/08/08 16:38	91-20-3	
Toluene	**321**	ug/L	50.0	18.0	10		12/09/08 11:45	108-88-3	
Xylene (Total)	**590**	ug/L	100	27.0	10		12/09/08 11:45	1330-20-7	
m&p-Xylene	**414**	ug/L	100	27.0	10		12/09/08 11:45	1330-20-7	
o-Xylene	**176**	ug/L	50.0	17.0	10		12/09/08 11:45	95-47-6	
4-Bromofluorobenzene (S)	104	%	87-109		1		12/08/08 16:38	460-00-4	
Dibromofluoromethane (S)	99	%	85-115		1		12/08/08 16:38	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120		1		12/08/08 16:38	17060-07-0	
Toluene-d8 (S)	102	%	70-120		1		12/08/08 16:38	2037-26-5	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9233657

Sample: MW-17 **Lab ID: 9233657009** Collected: 12/04/08 11:20 Received: 12/05/08 09:45 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)	**87.5**	ug/L	3.9	3.9	200	12/10/08 14:48	12/11/08 18:51	106-93-4	
1-Chloro-2-bromopropane (S)	102	%	60-140		1	12/10/08 14:48	12/10/08 22:55	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**17.8**	ug/L	5.0	4.0	1	12/06/08 13:30	12/09/08 00:37	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**5610**	ug/L	500	120	100		12/08/08 16:22	71-43-2	
Ethylbenzene	**1630**	ug/L	500	110	100		12/08/08 16:22	100-41-4	
Methyl-tert-butyl ether	**17700**	ug/L	500	200	100		12/08/08 16:22	1634-04-4	
Naphthalene	**749**	ug/L	500	290	100		12/08/08 16:22	91-20-3	
Toluene	**21500**	ug/L	2500	900	500		12/09/08 11:06	108-88-3	
Xylene (Total)	**14600**	ug/L	1000	270	100		12/08/08 16:22	1330-20-7	
m&p-Xylene	**10200**	ug/L	1000	270	100		12/08/08 16:22	1330-20-7	
o-Xylene	**4400**	ug/L	500	170	100		12/08/08 16:22	95-47-6	
4-Bromofluorobenzene (S)	106	%	87-109		100		12/08/08 16:22	460-00-4	
Dibromofluoromethane (S)	92	%	85-115		100		12/08/08 16:22	1868-53-7	
1,2-Dichloroethane-d4 (S)	93	%	79-120		100		12/08/08 16:22	17060-07-0	
Toluene-d8 (S)	100	%	70-120		100		12/08/08 16:22	2037-26-5	

Sample: MW-20 **Lab ID: 9233657010** Collected: 12/04/08 13:00 Received: 12/05/08 09:45 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	12/10/08 14:48	12/10/08 23:22	106-93-4	
1-Chloro-2-bromopropane (S)	96	%	60-140		1	12/10/08 14:48	12/10/08 23:22	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**32.7**	ug/L	5.0	4.0	1	12/06/08 13:30	12/09/08 00:41	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	ND	ug/L	5.0	1.2	1		12/08/08 16:55	71-43-2	
Ethylbenzene	**1.8J**	ug/L	5.0	1.1	1		12/08/08 16:55	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.0	1		12/08/08 16:55	1634-04-4	
Naphthalene	**3.0J**	ug/L	5.0	2.9	1		12/08/08 16:55	91-20-3	
Toluene	**4.8J**	ug/L	5.0	1.8	1		12/08/08 16:55	108-88-3	
Xylene (Total)	**18.5**	ug/L	10.0	2.7	1		12/08/08 16:55	1330-20-7	
m&p-Xylene	**15.7**	ug/L	10.0	2.7	1		12/08/08 16:55	1330-20-7	
o-Xylene	**2.9J**	ug/L	5.0	1.7	1		12/08/08 16:55	95-47-6	
4-Bromofluorobenzene (S)	102	%	87-109		1		12/08/08 16:55	460-00-4	
Dibromofluoromethane (S)	96	%	85-115		1		12/08/08 16:55	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	79-120		1		12/08/08 16:55	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		12/08/08 16:55	2037-26-5	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9233657

Sample: MW-21 **Lab ID: 9233657011** Collected: 12/04/08 11:10 Received: 12/05/08 09:45 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)	**0.53**	ug/L	0.020	0.020	1	12/10/08 14:48	12/10/08 23:36	106-93-4	
1-Chloro-2-bromopropane (S)	97	%	60-140		1	12/10/08 14:48	12/10/08 23:36	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**81.3**	ug/L	5.0	4.0	1	12/06/08 13:30	12/09/08 00:45	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**1510**	ug/L	250	60.0	50		12/09/08 13:21	71-43-2	
Ethylbenzene	**1530**	ug/L	250	55.0	50		12/09/08 13:21	100-41-4	
Methyl-tert-butyl ether	**321**	ug/L	250	100	50		12/09/08 13:21	1634-04-4	
Naphthalene	**598**	ug/L	250	145	50		12/09/08 13:21	91-20-3	
Toluene	**1870**	ug/L	250	90.0	50		12/09/08 13:21	108-88-3	
Xylene (Total)	**11000**	ug/L	500	135	50		12/09/08 13:21	1330-20-7	
m&p-Xylene	**6440**	ug/L	500	135	50		12/09/08 13:21	1330-20-7	
o-Xylene	**4530**	ug/L	250	85.0	50		12/09/08 13:21	95-47-6	
4-Bromofluorobenzene (S)	106	%	87-109		1		12/08/08 17:11	460-00-4	
Dibromofluoromethane (S)	96	%	85-115		1		12/08/08 17:11	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	79-120		1		12/08/08 17:11	17060-07-0	
Toluene-d8 (S)	104	%	70-120		1		12/08/08 17:11	2037-26-5	

Sample: MW-23 **Lab ID: 9233657012** Collected: 12/04/08 10:50 Received: 12/05/08 09:45 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)	**0.083**	ug/L	0.019	0.019	1	12/10/08 14:48	12/10/08 23:50	106-93-4	
1-Chloro-2-bromopropane (S)	104	%	60-140		1	12/10/08 14:48	12/10/08 23:50	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**25.0**	ug/L	5.0	4.0	1	12/06/08 13:30	12/09/08 00:56	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**19.3**	ug/L	5.0	1.2	1		12/10/08 00:49	71-43-2	
Ethylbenzene	**40.5**	ug/L	5.0	1.1	1		12/10/08 00:49	100-41-4	
Methyl-tert-butyl ether	**19.4**	ug/L	5.0	2.0	1		12/10/08 00:49	1634-04-4	
Naphthalene	**40.1**	ug/L	5.0	2.9	1		12/10/08 00:49	91-20-3	
Toluene	**173**	ug/L	5.0	1.8	1		12/10/08 00:49	108-88-3	
Xylene (Total)	**236**	ug/L	10.0	2.7	1		12/10/08 00:49	1330-20-7	
m&p-Xylene	**164**	ug/L	10.0	2.7	1		12/10/08 00:49	1330-20-7	
o-Xylene	**71.6**	ug/L	5.0	1.7	1		12/10/08 00:49	95-47-6	
4-Bromofluorobenzene (S)	104	%	87-109		1		12/10/08 00:49	460-00-4	
Dibromofluoromethane (S)	102	%	85-115		1		12/10/08 00:49	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120		1		12/10/08 00:49	17060-07-0	
Toluene-d8 (S)	102	%	70-120		1		12/10/08 00:49	2037-26-5	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9233657

Sample: MW-24 **Lab ID: 9233657013** Collected: 12/04/08 10:40 Received: 12/05/08 09:45 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	12/10/08 14:48	12/11/08 00:03	106-93-4	
1-Chloro-2-bromopropane (S)	92	%	60-140		1	12/10/08 14:48	12/11/08 00:03	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**33.1**	ug/L	5.0	4.0	1	12/06/08 13:30	12/09/08 01:00	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**1.9J**	ug/L	5.0	1.2	1		12/10/08 01:06	71-43-2	
Ethylbenzene	**40.9**	ug/L	5.0	1.1	1		12/10/08 01:06	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.0	1		12/10/08 01:06	1634-04-4	
Naphthalene	**90.2**	ug/L	5.0	2.9	1		12/10/08 01:06	91-20-3	
Toluene	**65.8**	ug/L	5.0	1.8	1		12/10/08 01:06	108-88-3	
Xylene (Total)	**573**	ug/L	50.0	13.5	5		12/11/08 10:19	1330-20-7	
m&p-Xylene	**372**	ug/L	50.0	13.5	5		12/11/08 10:19	1330-20-7	
o-Xylene	**202**	ug/L	25.0	8.5	5		12/11/08 10:19	95-47-6	
4-Bromofluorobenzene (S)	107	%	87-109		1		12/10/08 01:06	460-00-4	
Dibromofluoromethane (S)	108	%	85-115		1		12/10/08 01:06	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	79-120		1		12/10/08 01:06	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		12/10/08 01:06	2037-26-5	

Sample: MW-26 **Lab ID: 9233657014** Collected: 12/04/08 12:20 Received: 12/05/08 09:45 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)	**0.26**	ug/L	0.020	0.020	1	12/10/08 14:49	12/11/08 00:17	106-93-4	
1-Chloro-2-bromopropane (S)	109	%	60-140		1	12/10/08 14:49	12/11/08 00:17	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**48.0**	ug/L	5.0	4.0	1	12/06/08 14:00	12/09/08 04:36	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**596**	ug/L	25.0	6.0	5		12/11/08 09:37	71-43-2	
Ethylbenzene	**25.4**	ug/L	5.0	1.1	1		12/10/08 01:23	100-41-4	
Methyl-tert-butyl ether	**20.5**	ug/L	5.0	2.0	1		12/10/08 01:23	1634-04-4	
Naphthalene	**51.6**	ug/L	5.0	2.9	1		12/10/08 01:23	91-20-3	
Toluene	**33.0**	ug/L	5.0	1.8	1		12/10/08 01:23	108-88-3	
Xylene (Total)	**179**	ug/L	10.0	2.7	1		12/10/08 01:23	1330-20-7	
m&p-Xylene	**152**	ug/L	10.0	2.7	1		12/10/08 01:23	1330-20-7	
o-Xylene	**26.6**	ug/L	5.0	1.7	1		12/10/08 01:23	95-47-6	
4-Bromofluorobenzene (S)	108	%	87-109		1		12/10/08 01:23	460-00-4	
Dibromofluoromethane (S)	101	%	85-115		1		12/10/08 01:23	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	79-120		1		12/10/08 01:23	17060-07-0	
Toluene-d8 (S)	101	%	70-120		1		12/10/08 01:23	2037-26-5	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9233657

Sample: MW-27 **Lab ID: 9233657015** Collected: 12/04/08 12:40 Received: 12/05/08 09:45 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)	**0.93**	ug/L	0.019	0.019	1	12/10/08 14:49	12/11/08 00:31	106-93-4	
1-Chloro-2-bromopropane (S)	96	%	60-140		1	12/10/08 14:49	12/11/08 00:31	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**11.3**	ug/L	5.0	4.0	1	12/06/08 14:00	12/09/08 04:44	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**1620**	ug/L	250	60.0	50		12/11/08 12:21	71-43-2	
Ethylbenzene	**62.0**	ug/L	5.0	1.1	1		12/10/08 01:40	100-41-4	
Methyl-tert-butyl ether	**4800**	ug/L	250	100	50		12/11/08 12:21	1634-04-4	
Naphthalene	**125**	ug/L	5.0	2.9	1		12/10/08 01:40	91-20-3	
Toluene	**67.8**	ug/L	5.0	1.8	1		12/10/08 01:40	108-88-3	
Xylene (Total)	**1000**	ug/L	500	135	50		12/11/08 12:21	1330-20-7	
m&p-Xylene	**252**	ug/L	10.0	2.7	1		12/10/08 01:40	1330-20-7	
o-Xylene	**752**	ug/L	250	85.0	50		12/11/08 12:21	95-47-6	
4-Bromofluorobenzene (S)	104	%	87-109		1		12/10/08 01:40	460-00-4	
Dibromofluoromethane (S)	103	%	85-115		1		12/10/08 01:40	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	79-120		1		12/10/08 01:40	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		12/10/08 01:40	2037-26-5	

Sample: MW-28 **Lab ID: 9233657016** Collected: 12/04/08 12:50 Received: 12/05/08 09:45 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)	**0.48**	ug/L	0.019	0.019	1	12/10/08 14:49	12/11/08 00:44	106-93-4	
1-Chloro-2-bromopropane (S)	100	%	60-140		1	12/10/08 14:49	12/11/08 00:44	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**7.7**	ug/L	5.0	4.0	1	12/06/08 14:00	12/09/08 04:52	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**1010**	ug/L	250	60.0	50		12/11/08 12:50	71-43-2	
Ethylbenzene	**6.7**	ug/L	5.0	1.1	1		12/10/08 01:57	100-41-4	
Methyl-tert-butyl ether	**2540**	ug/L	250	100	50		12/11/08 12:50	1634-04-4	
Naphthalene	**200**	ug/L	5.0	2.9	1		12/10/08 01:57	91-20-3	
Toluene	**19.6**	ug/L	5.0	1.8	1		12/10/08 01:57	108-88-3	
Xylene (Total)	**1110**	ug/L	500	135	50		12/11/08 12:50	1330-20-7	
m&p-Xylene	**83.6**	ug/L	10.0	2.7	1		12/10/08 01:57	1330-20-7	
o-Xylene	**1020**	ug/L	250	85.0	50		12/11/08 12:50	95-47-6	
4-Bromofluorobenzene (S)	107	%	87-109		1		12/10/08 01:57	460-00-4	
Dibromofluoromethane (S)	102	%	85-115		1		12/10/08 01:57	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	79-120		1		12/10/08 01:57	17060-07-0	
Toluene-d8 (S)	102	%	70-120		1		12/10/08 01:57	2037-26-5	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9233657

Sample: TW-1 **Lab ID: 9233657017** Collected: 12/04/08 13:40 Received: 12/05/08 09:45 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	12/10/08 14:49	12/11/08 00:58	106-93-4	
1-Chloro-2-bromopropane (S)	120	%	60-140		1	12/10/08 14:49	12/11/08 00:58	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	12/06/08 14:00	12/09/08 04:55	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**3.2J**	ug/L	5.0	1.2	1		12/09/08 10:34	71-43-2	
Ethylbenzene	**24.5**	ug/L	5.0	1.1	1		12/09/08 10:34	100-41-4	
Methyl-tert-butyl ether	**92.0**	ug/L	5.0	2.0	1		12/09/08 10:34	1634-04-4	
Naphthalene	**7.1**	ug/L	5.0	2.9	1		12/09/08 10:34	91-20-3	
Toluene	**64.0**	ug/L	5.0	1.8	1		12/09/08 10:34	108-88-3	
Xylene (Total)	**128**	ug/L	10.0	2.7	1		12/09/08 10:34	1330-20-7	
m&p-Xylene	**88.3**	ug/L	10.0	2.7	1		12/09/08 10:34	1330-20-7	
o-Xylene	**39.9**	ug/L	5.0	1.7	1		12/09/08 10:34	95-47-6	
4-Bromofluorobenzene (S)	112	%	87-109		1		12/09/08 10:34	460-00-4	S1
Dibromofluoromethane (S)	95	%	85-115		1		12/09/08 10:34	1868-53-7	
1,2-Dichloroethane-d4 (S)	93	%	79-120		1		12/09/08 10:34	17060-07-0	
Toluene-d8 (S)	98	%	70-120		1		12/09/08 10:34	2037-26-5	

Sample: TW-2 **Lab ID: 9233657018** Collected: 12/04/08 13:20 Received: 12/05/08 09:45 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	12/10/08 14:49	12/11/08 01:12	106-93-4	
1-Chloro-2-bromopropane (S)	101	%	60-140		1	12/10/08 14:49	12/11/08 01:12	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	12/06/08 14:00	12/09/08 04:59	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	ND	ug/L	5.0	1.2	1		12/09/08 10:17	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1.1	1		12/09/08 10:17	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.0	1		12/09/08 10:17	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.9	1		12/09/08 10:17	91-20-3	
Toluene	**1.9J**	ug/L	5.0	1.8	1		12/09/08 10:17	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		12/09/08 10:17	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	2.7	1		12/09/08 10:17	1330-20-7	
o-Xylene	ND	ug/L	5.0	1.7	1		12/09/08 10:17	95-47-6	
4-Bromofluorobenzene (S)	107	%	87-109		1		12/09/08 10:17	460-00-4	
Dibromofluoromethane (S)	96	%	85-115		1		12/09/08 10:17	1868-53-7	
1,2-Dichloroethane-d4 (S)	94	%	79-120		1		12/09/08 10:17	17060-07-0	
Toluene-d8 (S)	98	%	70-120		1		12/09/08 10:17	2037-26-5	

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9233657

QC Batch: MPRP/3487 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 9233657001, 9233657002, 9233657003, 9233657004, 9233657005, 9233657006, 9233657007, 9233657008, 9233657009, 9233657010, 9233657011, 9233657012, 9233657013

METHOD BLANK: 208350 Matrix: Water
Associated Lab Samples: 9233657001, 9233657002, 9233657003, 9233657004, 9233657005, 9233657006, 9233657007, 9233657008, 9233657009, 9233657010, 9233657011, 9233657012, 9233657013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	12/08/08 23:15	

LABORATORY CONTROL SAMPLE: 208351

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	505	101	80-120	

MATRIX SPIKE SAMPLE: 208352

Parameter	Units	9233598001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	5.2	500	484	96	75-125	

SAMPLE DUPLICATE: 208353

Parameter	Units	9233619002 Result	Dup Result	RPD	Max RPD	Qualifiers
Lead	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9233657

QC Batch: MPRP/3488 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 9233657014, 9233657015, 9233657016, 9233657017, 9233657018

METHOD BLANK: 208354 Matrix: Water
Associated Lab Samples: 9233657014, 9233657015, 9233657016, 9233657017, 9233657018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	12/09/08 04:29	

LABORATORY CONTROL SAMPLE: 208355

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	506	101	80-120	

MATRIX SPIKE SAMPLE: 208356

Parameter	Units	9233657014 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	48.0	500	495	89	75-125	

SAMPLE DUPLICATE: 208357

Parameter	Units	9233657015 Result	Dup Result	RPD	Max RPD	Qualifiers
Lead	ug/L	11.3	11.9	5	20	

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9233657

QC Batch: MSV/5529 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 9233657004, 9233657005, 9233657006, 9233657007

METHOD BLANK: 208645 Matrix: Water
Associated Lab Samples: 9233657004, 9233657005, 9233657006, 9233657007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	5.0	12/08/08 10:24	
Ethylbenzene	ug/L	ND	5.0	12/08/08 10:24	
m&p-Xylene	ug/L	ND	10.0	12/08/08 10:24	
Methyl-tert-butyl ether	ug/L	ND	5.0	12/08/08 10:24	
Naphthalene	ug/L	ND	5.0	12/08/08 10:24	
o-Xylene	ug/L	ND	5.0	12/08/08 10:24	
Toluene	ug/L	ND	5.0	12/08/08 10:24	
Xylene (Total)	ug/L	ND	10.0	12/08/08 10:24	
1,2-Dichloroethane-d4 (S)	%	106	79-120	12/08/08 10:24	
4-Bromofluorobenzene (S)	%	103	87-109	12/08/08 10:24	
Dibromofluoromethane (S)	%	103	85-115	12/08/08 10:24	
Toluene-d8 (S)	%	99	70-120	12/08/08 10:24	

LABORATORY CONTROL SAMPLE: 208646

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	55.5	111	78-128	
Ethylbenzene	ug/L	50	54.7	109	80-127	
m&p-Xylene	ug/L	100	110	110	82-127	
Methyl-tert-butyl ether	ug/L	50	51.5	103	71-130	
Naphthalene	ug/L	50	55.7	111	52-136	
o-Xylene	ug/L	50	53.8	108	83-124	
Toluene	ug/L	50	55.1	110	76-126	
Xylene (Total)	ug/L	150	164	109	83-125	
1,2-Dichloroethane-d4 (S)	%			98	79-120	
4-Bromofluorobenzene (S)	%			105	87-109	
Dibromofluoromethane (S)	%			101	85-115	
Toluene-d8 (S)	%			100	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 208647 208648

Parameter	Units	9233657007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	2.6J	50	50	46.4	62.4	88	120	74-136	29	30	
Toluene	ug/L	44.3	50	50	91.1	106	94	124	73-131	15	30	
1,2-Dichloroethane-d4 (S)	%						99	105	79-120			
4-Bromofluorobenzene (S)	%						104	107	87-109			
Dibromofluoromethane (S)	%						104	104	85-115			
Toluene-d8 (S)	%						102	100	70-120			

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9233657

QC Batch: MSV/5530 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 9233657001, 9233657003, 9233657008, 9233657009, 9233657010, 9233657011, 9233657017, 9233657018

METHOD BLANK: 208660 Matrix: Water
Associated Lab Samples: 9233657001, 9233657003, 9233657008, 9233657009, 9233657010, 9233657011, 9233657017, 9233657018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	5.0	12/08/08 12:31	
Ethylbenzene	ug/L	ND	5.0	12/08/08 12:31	
m&p-Xylene	ug/L	ND	10.0	12/08/08 12:31	
Methyl-tert-butyl ether	ug/L	ND	5.0	12/08/08 12:31	
Naphthalene	ug/L	ND	5.0	12/08/08 12:31	
o-Xylene	ug/L	ND	5.0	12/08/08 12:31	
Toluene	ug/L	ND	5.0	12/08/08 12:31	
Xylene (Total)	ug/L	ND	10.0	12/08/08 12:31	
1,2-Dichloroethane-d4 (S)	%	98	79-120	12/08/08 12:31	
4-Bromofluorobenzene (S)	%	103	87-109	12/08/08 12:31	
Dibromofluoromethane (S)	%	95	85-115	12/08/08 12:31	
Toluene-d8 (S)	%	101	70-120	12/08/08 12:31	

LABORATORY CONTROL SAMPLE: 208661

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	56.1	112	78-128	
Ethylbenzene	ug/L	50	54.0	108	80-127	
m&p-Xylene	ug/L	100	98.6	99	82-127	
Methyl-tert-butyl ether	ug/L	50	55.6	111	71-130	
Naphthalene	ug/L	50	63.9	128	52-136	
o-Xylene	ug/L	50	54.5	109	83-124	
Toluene	ug/L	50	54.6	109	76-126	
Xylene (Total)	ug/L	150	153	102	83-125	
1,2-Dichloroethane-d4 (S)	%			100	79-120	
4-Bromofluorobenzene (S)	%			97	87-109	
Dibromofluoromethane (S)	%			102	85-115	
Toluene-d8 (S)	%			102	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 208662 208663

Parameter	Units	9233690005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	50	50	54.1	55.5	108	111	74-136	3	30	
Toluene	ug/L	ND	50	50	53.8	54.6	107	109	73-131	1	30	
1,2-Dichloroethane-d4 (S)	%						100	99	79-120			
4-Bromofluorobenzene (S)	%						101	103	87-109			
Dibromofluoromethane (S)	%						96	94	85-115			
Toluene-d8 (S)	%						100	98	70-120			

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

QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9233657

QC Batch: MSV/5538
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Associated Lab Samples: 9233657002

METHOD BLANK: 208744
Matrix: Water
Associated Lab Samples: 9233657002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	5.0	12/09/08 10:51	
Ethylbenzene	ug/L	ND	5.0	12/09/08 10:51	
m&p-Xylene	ug/L	ND	10.0	12/09/08 10:51	
Methyl-tert-butyl ether	ug/L	ND	5.0	12/09/08 10:51	
Naphthalene	ug/L	ND	5.0	12/09/08 10:51	
o-Xylene	ug/L	ND	5.0	12/09/08 10:51	
Toluene	ug/L	ND	5.0	12/09/08 10:51	
Xylene (Total)	ug/L	ND	10.0	12/09/08 10:51	
1,2-Dichloroethane-d4 (S)	%	103	79-120	12/09/08 10:51	
4-Bromofluorobenzene (S)	%	103	87-109	12/09/08 10:51	
Dibromofluoromethane (S)	%	103	85-115	12/09/08 10:51	
Toluene-d8 (S)	%	99	70-120	12/09/08 10:51	

LABORATORY CONTROL SAMPLE: 208745

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	59.5	119	78-128	
Ethylbenzene	ug/L	50	57.1	114	80-127	
m&p-Xylene	ug/L	100	118	118	82-127	
Methyl-tert-butyl ether	ug/L	50	60.0	120	71-130	
Naphthalene	ug/L	50	66.5	133	52-136	
o-Xylene	ug/L	50	57.2	114	83-124	
Toluene	ug/L	50	59.6	119	76-126	
Xylene (Total)	ug/L	150	175	117	83-125	
1,2-Dichloroethane-d4 (S)	%			105	79-120	
4-Bromofluorobenzene (S)	%			104	87-109	
Dibromofluoromethane (S)	%			103	85-115	
Toluene-d8 (S)	%			100	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 208746 208747

Parameter	Units	9233724018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	50	50	56.3	60.4	113	121	74-136	7	30	
Toluene	ug/L	ND	50	50	56.3	60.0	113	120	73-131	6	30	
1,2-Dichloroethane-d4 (S)	%						106	99	79-120			
4-Bromofluorobenzene (S)	%						106	101	87-109			
Dibromofluoromethane (S)	%						103	103	85-115			
Toluene-d8 (S)	%						101	101	70-120			

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9233657

QC Batch: OEXT/5253 — Analysis Method: EPA 8011
QC Batch Method: EPA 8011 — Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 9233657001, 9233657002, 9233657003, 9233657004, 9233657005, 9233657006, 9233657007

METHOD BLANK: 208919 — Matrix: Water
Associated Lab Samples: 9233657001, 9233657002, 9233657003, 9233657004, 9233657005, 9233657006, 9233657007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	12/09/08 23:28	
1-Chloro-2-bromopropane (S)	%	107	60-140	12/09/08 23:28	

LABORATORY CONTROL SAMPLE & LCSD: 208920 208921

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.29	0.33	0.34	114	118	60-140	4	20	
1-Chloro-2-bromopropane (S)	%				102	103	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 208922 208923

Parameter	Units	9233622029 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	.28	.28	0.31	0.31	114	114	60-140	0	20	
1-Chloro-2-bromopropane (S)	%						104	105	60-140			

SAMPLE DUPLICATE: 208924

Parameter	Units	9233652001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%		100	4		

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9233657

QC Batch: MSV/5545 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 9233657012, 9233657013, 9233657014, 9233657015, 9233657016

METHOD BLANK: 209071 Matrix: Water
Associated Lab Samples: 9233657012, 9233657013, 9233657014, 9233657015, 9233657016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	5.0	12/09/08 22:31	
Ethylbenzene	ug/L	ND	5.0	12/09/08 22:31	
m&p-Xylene	ug/L	ND	10.0	12/09/08 22:31	
Methyl-tert-butyl ether	ug/L	ND	5.0	12/09/08 22:31	
Naphthalene	ug/L	ND	5.0	12/09/08 22:31	
o-Xylene	ug/L	ND	5.0	12/09/08 22:31	
Toluene	ug/L	ND	5.0	12/09/08 22:31	
Xylene (Total)	ug/L	ND	10.0	12/09/08 22:31	
1,2-Dichloroethane-d4 (S)	%	97	79-120	12/09/08 22:31	
4-Bromofluorobenzene (S)	%	105	87-109	12/09/08 22:31	
Dibromofluoromethane (S)	%	103	85-115	12/09/08 22:31	
Toluene-d8 (S)	%	102	70-120	12/09/08 22:31	

LABORATORY CONTROL SAMPLE: 209072

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	57.0	114	78-128	
Ethylbenzene	ug/L	50	55.5	111	80-127	
m&p-Xylene	ug/L	100	112	112	82-127	
Methyl-tert-butyl ether	ug/L	50	57.1	114	71-130	
Naphthalene	ug/L	50	57.0	114	52-136	
o-Xylene	ug/L	50	56.3	113	83-124	
Toluene	ug/L	50	57.1	114	76-126	
Xylene (Total)	ug/L	150	168	112	83-125	
1,2-Dichloroethane-d4 (S)	%			97	79-120	
4-Bromofluorobenzene (S)	%			104	87-109	
Dibromofluoromethane (S)	%			102	85-115	
Toluene-d8 (S)	%			100	70-120	

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9233657

QC Batch: OEXT/5266 — Analysis Method: EPA 8011
QC Batch Method: EPA 8011 — Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 9233657008, 9233657009, 9233657010, 9233657011, 9233657012, 9233657013, 9233657014, 9233657015, 9233657016, 9233657017, 9233657018

METHOD BLANK: 209685 — Matrix: Water
Associated Lab Samples: 9233657008, 9233657009, 9233657010, 9233657011, 9233657012, 9233657013, 9233657014, 9233657015, 9233657016, 9233657017, 9233657018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.019	12/10/08 21:34	
1-Chloro-2-bromopropane (S)	%	107	60-140	12/10/08 21:34	

LABORATORY CONTROL SAMPLE & LCSD: 209686 209687

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.28	0.36	0.34	130	122	60-140	6	20	
1-Chloro-2-bromopropane (S)	%				108	94	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 209688 209689

Parameter	Units	9233657008 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	0.034	.28	.28	0.41	0.40	134	132	60-140	1	20	
1-Chloro-2-bromopropane (S)	%						99	104	60-140			

SAMPLE DUPLICATE: 209690

Parameter	Units	9233657009 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	87.5	88.6	1	20	
1-Chloro-2-bromopropane (S)	%		97	4		

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(704)875-9092

QUALIFIERS

Project: CORNER STOP 28
Pace Project No.: 9233657

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

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

ANALYTE QUALIFIERS

S1 Surrogate recovery outside laboratory control limits (confirmed by re-analysis).

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 2

1177154

Section A Required Client Information:

Company: KLM Env.
Address: PO Box 2704
Goose Creek, SC 29445
Email To: MKeller131@comcast.net
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Mark Keller
Copy To:
Purchase Order No.:
Project Name: Cornerstone 28
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 824-5

REGULATORY AGENCY

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

Site Location STATE: SC

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N): BTEX/N, EDB, Lead

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	BTEX/N	EDB	Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-2	WT	G	12/4/08			1130												X	X	X		001
2	MW-5						1230																002
3	MW-6R						1030																003
4	MW-9						1150																004
5	MW-10						1140																005
6	MW-13						1200																006
7	MW-14						1210																007
8	MW-16						1100																008
9	MW-17						1120																009
10	MW-20						1300																010
11	MW-21						1110																011
12	MW-23						1050																012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature]	12/4/08	1700	[signature]	12/5/08	9:45	5.4	yes	no	yes

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

[redacted] *Im[redacted]: By [redacted] form [redacted] [redacted] NET 30 d[redacted]t terms [redacted] [redacted]ing to [redacted]es of 1 [redacted]nth for [redacted]es not [redacted] 30 day[redacted] [redacted] [redacted] [redacted] [redacted] F-ALL-Q-020rev.07, 15-May-2007 [redacted]

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CHAIN-OF-CUSTODY / Analytical Request Document

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

1177156

Section A Required Client Information:

Company: KLM Env.
Address: PO Box 2704
Goose Creek, SC 29445
Email To:
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Mark Keller
Copy To:
Purchase Order No.:
Project Name: Corner Stop 28
Project Number:

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: SC

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): BTEXNM	EDB	Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-24	WT	G	12/4/08			1040											X	X	X		13
2	MW-26						1220															14
3	MW-27						1240															15
4	MW-28						1250															16
5	TW-1						1340															17
6	TW-2						1320											X	X	X		18
7																						
8																						
9																						
10																						
11																						
12																						

9233657

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[illegible]	12/4/08	1700	[illegible]	12/5/08	9:[illegible]	5.4	yes	no	yes

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Pace Analytical

Sample Condition Upon Receipt

Client Name: KUM Project # 9233657

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☑ yes ☐ no

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

Thermometer Used T060 Type of Ice: (Wet) Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature 54 Biological Tissue is Frozen: Yes No N/A

Temp should be above freezing to 6°C

Optional	
Proj. Due Date:	N/A
Proj. Name:	N/A

Date and initials of person examining contents: KMT 12/5/08

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☐Yes ☑No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix:		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13. ph = 4 for metals for MW 24
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☑No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☑Yes ☐No ☐N/A	15. 1 vial - MW 14 2 vials - TW-1
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased): N/A		

Client Notification/ Resolution:

Field Data Required? Y / N / N/A

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: KMT Date: 12/8/08

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 12/4/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 50 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 1

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 49.26 - 49.57 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Water Temp (°C)								
Turbidity (*)								
OVA Readings								
Salinity								
Dissolved Oxygen								

Remarks:

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 12/4/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 50 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 2

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 55 ft.
Depth to GW (DWG) 44.33 ft.

Length of Water Column (LWC=TWD-DGW) 10.67 ft.

1 Csg. Volume (LWC*C)= 10.67 x 0.163 = 1.74 gals.
3 Csg. Volumes = 3 x 1.74 = 5.22 gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	2	4	6					
Time (military)	11:25	11:27	11:30					
pH (s.u.)	5.11	5.08	5.02					
Specific Cond. (mS/cm)	.212	.201	.199					
Water Temp (°C)	18.5	19.7	20.2					
Turbidity (*)	0	0	0					
OVA Readings	—	—	—					
Salinity	0.00	0.00	0.00					
Dissolved Oxygen	3.25	3.22	3.19					

Remarks: ST 1130

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 12/4/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 50 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # **MW-** 3

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 47.83 - 47.55 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Water Temp (°C)								
Turbidity (*)								
OVA Readings								
Salinity								
Dissolved Oxygen								

Remarks:

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 12/4/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 50 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 5

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ft.
Depth to GW (DWG) 49.00 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1230							
pH (s.u.)	4.74							
Specific Cond. (mS/cm)	.146							
Water Temp (°C)	18.7							
Turbidity (*)	302							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	2.01							

Remarks: ST 1230

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 12/4/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 50 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Well # **MW-** mw-6R

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 59.27 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x ____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1030							
pH (s.u.)	5.12							
Specific Cond. (mS/cm)	.174							
Water Temp (°C)	18.4							
Turbidity (*)	999							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	1.08							

Remarks:

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 12/4/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 50 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # **MW-** 7

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ft.
Depth to GW (DWG) 59.29 - 59.32 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x ____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Water Temp (°C)								
Turbidity (*)								
OVA Readings								
Salinity								
Dissolved Oxygen								

Remarks: No sample

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 12/4/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 50 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 9

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 42.21 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1150							
pH (s.u.)	4.62							
Specific Cond. (mS/cm)	.180							
Water Temp (°C)	17.5							
Turbidity (*)	0							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	4.17							

Remarks: ST 1150

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 12/4/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 50 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Well # **MW-** 10

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 35.00 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x ____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1140							
pH (s.u.)	4.96							
Specific Cond. (mS/cm)	.128							
Water Temp (°C)	18.4							
Turbidity (*)	0							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	3.63							

Remarks: ST 1140

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 12/4/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 50 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # **MW-** 11

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 54.73 - ft. 54.89

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Water Temp (°C)								
Turbidity (*)								
OVA Readings								
Salinity								
Dissolved Oxygen								

Remarks: No Sample

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 12/4/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 50 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # **MW-** 13

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 43.27 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x ___.___ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1200							
pH (s.u.)	4.43							
Specific Cond. (mS/cm)	.098							
Water Temp (°C)	18.3							
Turbidity (*)	0							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	4.09							

Remarks: ST 1200

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 12/4/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 50 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # **MW-** 14

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 56.78 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1210							
pH (s.u.)	4.51							
Specific Cond. (mS/cm)	.097							
Water Temp (°C)	17.3							
Turbidity (*)	109							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	4.63							

Remarks: SS 1210

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 12/4/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 50 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # **MW-** 16

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 52.59 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1100							
pH (s.u.)	4.78							
Specific Cond. (mS/cm)	.082							
Water Temp (°C)	17.9							
Turbidity (*)	512							
OVA Readings	~~3.30~~							
Salinity	0.00							
Dissolved Oxygen	~~6~~ 3.17							

Remarks: 1100

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 12/4/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 50 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # **MW-** 17

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 42.20 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1120							
pH (s.u.)	5.05							
Specific Cond. (mS/cm)	2.53							
Water Temp (°C)	18.3							
Turbidity (*)	999							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	0.43							

Remarks: ST 1120

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) _____12/4/08_____
Field Personnel _Micah Bennett and Jason Boots_____
General Weather Condition _____Sunny_____
Ambient Air Temperature _____50_____ °F
Facility Name ____Corner Stop 28_____ Site ID#_05659_____

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # **MW-** 18

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ft.
Depth to GW (DWG) 55.87 - 55 ft. 93

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x ____.____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Water Temp (°C)								
Turbidity (*)								
OVA Readings								
Salinity								
Dissolved Oxygen								

Remarks:

No Sample

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 12/4/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 50 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Well # MW- 20

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 55.01 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1300							
pH (s.u.)	4.77							
Specific Cond. (mS/cm)	.064							
Water Temp (°C)	18.1							
Turbidity (*)	999							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	2.97							

Remarks: 1300

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 12/4/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 50 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # **MW-** 21

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ft.
Depth to GW (DWG) _____ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Water Temp (°C)								
Turbidity (*)								
OVA Readings								
Salinity								
Dissolved Oxygen								

Remarks: No water for reading

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 12/4/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 50 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # **MW-** 22

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 60.57 - 61.25 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Water Temp (°C)								
Turbidity (*)								
OVA Readings								
Salinity								
Dissolved Oxygen								

Remarks: No sample

serverC/admin/DHECfielddatasht/doc.

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 12/4/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 50 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # **MW-** 23

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 59.52 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	1							
Time (military)	1050							
pH (s.u.)	6.15							
Specific Cond. (mS/cm)	.106							
Water Temp (°C)	18.1							
Turbidity (*)	58							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	1.47							

Remarks: ST 1050 Dry @ 1 gal.

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 12/4/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 50 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # **MW-** 24

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 61.91 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	.75							
Time (military)	1040							
pH (s.u.)	7.89							
Specific Cond. (mS/cm)	.208							
Water Temp (°C)	18.3							
Turbidity (*)	12							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	1.15							

Remarks: At 1040

Dry @ .75 gal.

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 12/4/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 50 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Well # MW- 2b

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 65 ft.
Depth to GW (DWG) 52.96 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	2							
Time (military)	1220							
pH (s.u.)	4.59							
Specific Cond. (mS/cm)	.159							
Water Temp (°C)	11.5							
Turbidity (*)	137							
OVA Readings	—							
Salinity	0							
Dissolved Oxygen	4.63							

Remarks: ST 1220

Dry @ 2 gal.

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 12/4/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 50 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 27

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 65 ft.
Depth to GW (DWG) 54.22 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	1.75							
Time (military)	1238							
pH (s.u.)	4.74							
Specific Cond. (mS/cm)	.159							
Water Temp (°C)	18.9							
Turbidity (*)	303							
OVA Readings	—							
Salinity	0							
Dissolved Oxygen	3.0							

Remarks: ST 1240

Dry @ 2

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 12/4/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 50 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # **MW-** 28

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 50.32 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	2.5							
Time (military)	1246							
pH (s.u.)	5.14							
Specific Cond. (mS/cm)	.086							
Water Temp (°C)	17.2							
Turbidity (*)	144							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	3.29							

Remarks: ~~DTW~~ 1250

Dry @ 3

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 12/4/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 50 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Well # MW- TW-1

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 56.82 ft.

Length of Water Column (LWC=TWD-DGW) 24.2 ft.

1 Csg. Volume (LWC*C)= 24.2 x .163 = 3.9 gals.
3 Csg. Volumes = 3 x 4 = 12 gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	4							
Time (military)	1340							
pH (s.u.)	8.47							
Specific Cond. (mS/cm)	.340							
Water Temp (°C)	18.7							
Turbidity (*)	0							
OVA Readings	—							
Salinity	0.01							
Dissolved Oxygen	2.12							

Remarks: at 1340 Dry at 6

serverC/admin/DHECfielddatasht/doc.

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 12/4/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 50 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # ~~MW-29~~ TW-#2

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) ~~[illegible]~~ 55.46 ft.

Length of Water Column (LWC=TWD-DGW) 25.5 ft.

1 Csg. Volume (LWC*C)= 25.5 x .163 = _____ gals.
3 Csg. Volumes = 3 x 4.2 = 12.6 gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5							
Time (military)	1320							
pH (s.u.)	4.68							
Specific Cond. (mS/cm)	.068							
Water Temp (°C)	17.6							
Turbidity (*)	123							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	2.78							

Remarks: 1320 Dry at 7

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APPENDIX E

Disposal Manifest

US Water Recovery

Non-Hazardous Wastewater Manifest

Number:

1. Generator's EPA ID# (if applicable):

Waste ID Number:

2. Generator's Name and Mailing Address:

KIM Environmental
P.O Box 2204 Goose Creek SC

Phone ( )

P O #:

3. Agent of Generator and Mailing Address:

KIM Environmental

Phone ( )

P O #:

4. Transporter Company Name:

EFR Technologies
115 Grimball Rd Goose Creek SC

Phone ( )

Truck & Trailer License Number:

5. Transporter U.S. EPA ID#:

6. Facility Name and Site Address:
U S Water Recovery
435 Old Mt. Holly Rd.
Mt. Holly, SC 29445

Phone: (843) 797-8674

Fax: (843) 797-2126

Mailing Address:
U S Water Recovery
511 Old Mt. Holly Rd.
Goose Creek, SC 29445

Phone: (843) 797-3111

Fax: (843) 797-0710

7. Facility U.S. EPA ID#:

Start Level: End Level: Total Gallons: Tank Number

8. U.S. DOT Desciption	Container No.	Container Type	Unit	Quantity
a. Non-Hazardous, non-regulated waste water				
Grease trap 28				275
Scrubber Petroleum				22

9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.

Printed/Typed Name: Mark Keller Signature: Date: 12-15-08

10. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: Jason Carter Signature: Date: 12-15-8

11. Discrepancy indication space:

12. Facility Owner or Operator: Certification of Receipt of Materials

Printed/Typed Name: Signature: Date: 12-15-08

White - Facility Yellow - Transporter Pink - Generator

5511

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | **4. Waste Tracking Number**

5. Generator's Name and Mailing Address: KLM ENVIRON., INC, PO BOX 2704 GOOSE CREEK, SC

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name: KLM ENVIRON, INC, — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: ATSM 3C Clearwater Dr. Walterboro SC 29488 — U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. CORNER STOP WARE SHOALS, SC DRILL CUTTINGS	12	55		
2. SHORT STOP CLINTON, SC DRILL DRILL CUTTINGS	5	55		
3.				
4.				

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jim A. Peurifoy for KLM — Signature: [signature] — Month 12 Day 8 Year 08

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jim A. Peurifoy for KLM — Signature: [signature] — Month 12 Day 8 Year 08

Transporter 2 Printed/Typed Name — Signature — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Robert Hogan — Signature: [signature] — Month 12 Day 8 Year 08

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLS-C 5 11979 (Rev. 8/06)

TRANSPORTER #1

BOARD:
Paul C. Aughtry, III
Chairman

Edwin H. Cooper, III
Vice Chairman

Steven G. Kisner
Secretary

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment

BOARD:
Henry C. Scott

M. David Mitchell, MD

Glenn A. McCall

Coleman F. Buckhouse, MD

MR MAUREEN JACKSON
WORSLEY COMPANY
PO BOX 3227
WILLMINGTON NC 28406-3227

JAN 06 2008

Re: Assessment Plan Directive
Corner Stop 24 (Fmr. Fast Point 17), 717 N. Greenwood Ave.,
Ware Shoals, SC
UST Permit #05659
Release reported December 30, 1991
Monitoring Report received December 22, 2008
Greenwood County

Dear Ms Jackson:

The Underground Storage Tank (UST) Program of the South Carolina Department of Health and Environmental Control (SCDHEC) reviewed the referenced report. The report indicates the extent of chemicals of concern in the groundwater is not defined.

To determine what risk the referenced release may pose to the environment and public health, and in accordance with Section 280.65 of the South Carolina Underground Storage Tank Control Regulations, implementation of the scope of work as outlined in the Tier II Assessment Guidance Document is necessary. The Tier II assessment document and appendices may be obtained from our website at http://www.scdhec.gov/environment/lwm/html/ust_guidance_docs.htm. Forms may be obtained from the UST website at http://www.scdhec.gov/eqc/lwm/ forms/assess%7E1.pdf.

Please have your contractor complete and submit the Assessment Component Cost Agreement and Assessment Plan Forms within thirty days of the date of this letter. Every component may not be necessary to complete the above scope of work. The State Underground Petroleum Environmental Response Bank (SUPERB) Account allowable cost for each component is included on the Assessment Component Cost Agreement Form. **Please note that approval from the Department must be issued before work begins.**

On all correspondence regarding this site, please reference UST Permit #05659. If you have questions or need additional information feel free to call me at (803) 896-6396.

Sincerely,

Victoria J Bosnick

Victoria Bosnick, Hydrogeologist
Assessment Section
Assessment and Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

cc: KLM Environmental, PO Box 2704, Goose Creek, SC 29445
Technical File

UST DOCKET
13tech

D H E C
PROMOTE PROTECT PROSPER
C. Earl Hunter, Commissioner
Promoting and protecting the health of the public and the environment.

JAN 0 6 2008

RW THORNLEY ASSOCIATES LTD
ATTN RICK THORNLEY
444 US HWY 52 N
MONCKS CORNER SC 29461

Re: Notice of Alleged Violation
Handy Stop, 200 Rembert Dennis Blvd., Moncks Corner, SC
UST Permit # 11876
Release Reported July 9, 2003
Berkeley County

Dear Mr. Thornley:

The Underground Storage Tank (UST) Program of the South Carolina Department of Health and Environmental Control directed you to complete a Tier II Assessment Plan on September 26, 2007 with the report due on May 1, 2008. To date the required report has not been received. In accordance with Section 280.65 of the South Carolina Underground Storage Tank Regulations, the assessment must be conducted as chemicals of concern are above the risk-based-screening levels.

Implementation of this scope of work should proceed upon receipt of this correspondence. **Please submit the report within 30 days from the date of this letter. Should you not submit the report on or before February 6, 2009, this office will be forced to initiate enforcement action.**

On all correspondence regarding this site, please reference UST Permit number 11876. Should you have any questions regarding this correspondence, please feel free to contact me at (803) 896-6629, fax me at (803) 896-6245, or e-mail me at mccormat@dhec.sc.gov.

Sincerely,

Andrew McCormick, Hydrogeologist
Assessment Section
Assessment and Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

cc: Integrated Science & Tech, 2154 N Center St. Ste 306, North Charleston, SC 29406
Technical File

Victoria

D H E C
PROMOTE PROTECT PROSPER

Tier II Assessment Plan
Underground Storage Tank Program

UST Permit #: 05659 County: Greenwood Facility Name: Corner Stop # 28
Facility Address: 717 N. Greenwood Ave. City: Ware Shoals State: South Carolina Zipcode: 29692
Responsible Party: Worsley Operating Company Address: PO Box 3227
City: Wilmington State: North Carolina Zipcode: 28409
No. USTs: 5 Removed? 10/25/2001 (date: MM/DD/YYYY) Replaced? 10/25/2001 (date: MM/DD/YYYY)
Current use of facility/property:

Currently used as an in service gas station. Only two tanks are in service at the site currently. Three tanks were removed on 10/25/2001.

Current property owner name: Fast Point Food Stores, Inc. Address: 2811 Reidville Road, Suite 11
City: Spartanburg State: South Carolina Zipcode: 29301

Field Screening Methodology

Specify the field screening methodology to be used. The use of field screening methods to optimize the number and location of permanent wells is required.

Field screening will not be conducted as the site requires rock drilling to install the monitoring points.

Permanent Monitoring Wells (estimate number and total completed depth)

of shallow wells: 18 Total depth: 1260
# of deep wells: 1 Total depth: 90

Comments, if warranted:

Dry wells will be replaced (6) and twelve additional wells will be installed in an attempt to define the free product and contaminant plume as it extends far off site. The free product plume will be defined to the south and east, and the contaminant plume will be defined to the east. AFVR Events are proposed to recover the large amount of free phase product currently found at the site. Product recovery has been relatively easy during the events we have conducted to date.

Analyses

List the analytical parameters (e.g., BTEX, MTBE) and estimated number.

BTEX, Naph, MTBE	42
EDB	42
1,2 DCA	42
Filtered Lead	42

RECEIVED
JAN 15 2009
UNDERGROUND STORAGE TANK PROGRAM

Implementation Schedule *(Use MM/DD/YYYY format - Example 01/23/2004)*

Start up date: _____ (MM/DD/YYYY) Completion date: _____ (MM/DD/YYYY)
Report submittal date: _____ (MM/DD/YYYY)

UST PROGRAM
DOCKETING # 14

UST Permit #: 05659 Facility Name: Corner Stop # 28

Site Maps

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	Legend with facility name and address, UST Permit number, date, and a bar scale
Location of property lines	Streets or highways (indicate names and numbers)
Location of buildings	Identification of located buildings
Paved areas on or adjacent to site	Location of all present and former ASTs and USTs
Previous soil sampling locations	Underground and above ground utilities on or adjacent to site
Previous monitoring well locations	Location of any other potential receptor

Aquifer Characterization

Pump test: ☐ Slug tests: ☑ (check one and provide explanation for choice)

Small Volume Disposal Type and Method

Soil:

American Biomass in Walterboro, SC. Additional personnel mobilizations will be needed due to the large amount of drums that will be generated.

Purge water:

U.S. Water

Additional comments:

Dry wells will be replaced (6) and twelve additional wells will be installed in an attempt to define the free product and contaminant plume as it extends far off site. The free product plume will be defined to the south and east, and the contaminant plume will be defined to the east. AFVR Events are proposed to recover the large amount of free phase product currently found at the site. Product recovery has been relatively easy during the events we have conducted to date.

D H E C

PROMOTE PROTECT PROSPER

2600 Bull Street
Columbia, SC 29201-1708

Assessment Plan

SOUTH CAROLINA

Department of Health and Environmental Control (DHEC)

Bureau of Underground Storage Tank Management

Facility Name: **Corner Stop # 28**

UST Permit#: **05659** Cost Agreement #

		QTY	UNIT	UNIT PRICE	TOTAL
1	Plan*		x	100.00	-
	B. Tax Maps		x	50.00	-
2	Receptor Survey*	2	x	500.00	1,000.00
3	Comprehensive Survey	2	x	1,000.00	2,000.00
4	Mob/Demob (List component #)				
	A. Equipment (9,17,23x8)	10	x	575.00	5,750.00
	B. Personnel (2,9,10,17)	4	x	290.00	1,160.00
	C. Adverse Terrain Vehicle		x	575.00	-
5	Soil Borings (hand auger)*		feet x	14.00	-
6	Soil Borings (drilled) and Field Screening* (Includes collection and quantification)		feet x	17.00	-
	B. Alternative, on-site		feet x	12.50	-
	C. Fractured Rock		feet x	27.50	-
7	Soil Leachability Model		each x	200.00	-
8	Abandonment*		feet x	5.00	-
9	Well Installation * (includes drilling costs)				
	A. Water Table (hand auger)		feet x	20.00	-
	B. Water Table (drilled)		feet x	38.00	-
	C. Telescoping	1350	feet x	58.00	78,300.00
	D. Rock Drilling		feet x	58.00	-
	E. 2" Rock Coring		feet x	44.10	-
	F. 4" Rock Coring		feet x	50.40	-
	G. Multi sampling port/screen		each x	47.20	-
10	Sample Collection*				
	A. Ground-water	20	samples x	55.00	1,100.00
	B. Air/Vapor		samples x	90.00	-
	C. Water Supply		samples x	25.00	-
	D. Groundwater No Purge	22	samples x	35.00	770.00
	E. Gauge Well Only		per well x	20.00	-
	F. Sample Below Product		samples x	50.00	-
	G. Passive Diffusion Bag		each x	40.00	-
11	Analyses-Groundwater (See Analytical Methodology for analyses)				
	A. BTEX + Napth. + MTBE	42	samples x	100.00	4,200.00
	B. Rush BTEX Analysis		samples x	120.00	-
	D. PAH's		samples x	120.00	-
	E. Lead		samples x	20.00	-
	F. EDB	42	samples x	55.00	2,310.00
	G. 8 RCRA Metals		samples x	140.00	-
	H. TPH (9070)		samples x	55.00	-
	J. BOD		samples x	40.00	-
	K. Nitrate		samples x	20.00	-
	L. Sulfate		samples x	20.00	-
	M. Ferrous Iron		samples x	20.00	-
	N. Methane		samples x	110.00	-
	O. Organic Lead		samples x	100.00	-
	P. 8 Oxygenates		samples x	85.00	-
	AA. Filtered Lead	42	samples x	46.00	1,932.00
	BB. 1,2-DCA	42	samples x	10.75	451.50

UST Facility Name **Corner Stop # 28**

UST Permit# **05659** Cost Agreement # **00000**

		QTY	UNIT	UNIT PRICE	TOTAL
11	Analyses-Soil				
	Q. BTEX + Napth.		samples x	100.00	-
	R. PAH's		samples x	120.00	-
	S. 8 RCRA Metals		samples x	150.00	-
	T. TPH (9071)		samples x	60.00	-
	U. TPH (3550B/8015B)		samples x	65.00	-
	V. TPH (5030/8015B)		samples x	65.00	-
	W. Grain size/hydrometer		samples x	75.00	-
	X. Total Organic Carbon		samples x	35.00	-
11	Analyses-Air				
	Y. BTEX + Napth.		samples x	247.50	-
	Z. Hydrocarbon Fuel Identification		samples x	620.00	-
12	Aquifer Characterization*				
	A. Pumping Test		hours x	120.00	-
	B. Slug Test		tests x	150.00	-
13	Free Product Recovery Rate Test*		tests x	120.00	-
14	Fate/Transport Modeling				
	A. Mathematical Model		models x	300.00	-
	B. Computer Model		models x	500.00	-
15	Risk Evaluation				
	A. Tier I		x	300.00	-
	B. Tier II		x	500.00	-
16	Subsequent Survey*		x	260.00	-
17	Disposal				
	A. Wastewater				
	1. Purging/Sampling	6	drums x	90.00	540.00
	2. Pumping Test/EFR	1600	gallons x	0.60	960.00
	B. Free Product		drums x	110.00	-
	C. Soil (Treatment/Disposal)	60	drum/ton x	50.00	3,000.00
18	Miscellaneous (attach receipts)		x		-
	Tractor Mob. For Land Clearing		x		-
	Per Stephanie Briney		x		-
23	EFR				
	A. 8-hour Event*	8	each x	3,000.00	24,000.00
	B. Additional Hour		per hour x	204.00	-
	C. Off-gas treatment	36	per hour x	35.00	1,260.00
24	Granulated Activated Carbor (GAC) filter system installation & service:				
	A. New GAC System Installation*		each x	2,500.00	-
	B. Refurbished GAC Sys. Install*		each x	850.00	-
	C. Filter replacement/removal*		each x	450.00	-
	D. GAC System removal,cleaning		each x	450.00	-
	E. GAC System housing		each x	450.00	-
	F. In-line particulate filter		each x	140.00	-
	G. Additional piping & fittings		feet x	4.00	-
25	Well Repair				
	A. Additional Copies of Report		each x	25.00	-
	B. Repair 2x2 MW Pad		each x	100.00	-
	C. Repair 4x4 MW Pad		each x	150.00	-
	D. Repair Well Vault		each x	225.00	-
	E. Replace well cover & gasket		each x	30.00	-
	F. Replace well cover bolts		each x	10.00	-
	G. Replace locking well cap & lock		each x	15.00	-
				sub-total	29,760.00
19	Report/Project Management and			**Sub-Total**	**$128,733.50**
	Coordination (Subtotal x .15)		x	0.15	19,310.03
20	**Total**				**$148,043.53**

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

KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

Figure 1
USGS Map
Corner Stop 28
Ware Shoals, SC
Project # 05094.3

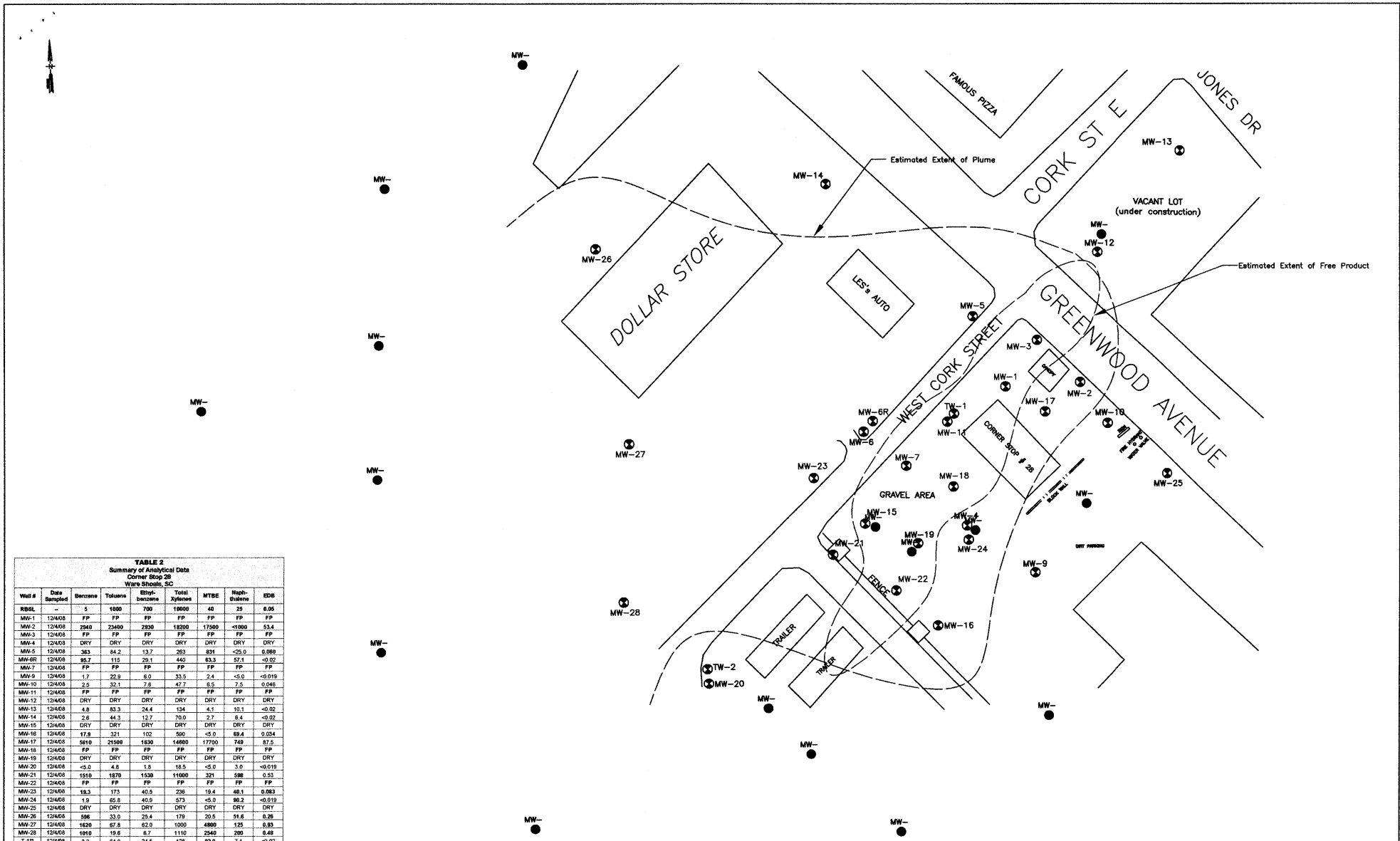

TABLE 2
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	EDB
RBSL	--	5	1000	700	10000	40	25	0.05
MW-1	12/4/06	FP	FP	FP	FP	FP	FP	FP
MW-2	12/4/06	2940	23400	2930	18200	17500	<1000	53.4
MW-3	12/4/06	FP	FP	FP	FP	FP	FP	FP
MW-4	12/4/06	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-5	12/4/06	363	84.2	13.7	263	831	<25.0	0.060
MW-6R	12/4/06	95.7	115	29.1	440	63.3	57.1	<0.02
MW-7	12/4/06	FP	FP	FP	FP	FP	FP	FP
MW-9	12/4/06	1.7	22.9	6.0	33.5	2.4	<5.0	<0.019
MW-10	12/4/06	2.5	32.1	7.6	47.7	8.5	7.5	0.046
MW-11	12/4/06	FP	FP	FP	FP	FP	FP	FP
MW-12	12/4/06	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-13	12/4/06	4.8	83.3	24.4	134	4.1	10.1	<0.02
MW-14	12/4/06	2.6	44.3	12.7	70.0	2.7	6.4	<0.02
MW-15	12/4/06	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-16	12/4/06	17.9	321	102	590	<5.0	69.4	0.034
MW-17	12/4/06	5810	21500	1630	14600	17700	749	87.5
MW-18	12/4/06	FP	FP	FP	FP	FP	FP	FP
MW-19	12/4/06	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-20	12/4/06	<5.0	4.8	1.8	18.5	<5.0	3.0	<0.019
MW-21	12/4/06	1510	1870	1530	11000	321	598	0.53
MW-22	12/4/06	FP	FP	FP	FP	FP	FP	FP
MW-23	12/4/06	19.3	173	40.5	236	19.4	40.1	0.063
MW-24	12/4/06	1.9	65.8	40.9	573	<5.0	90.2	<0.019
MW-25	12/4/06	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-26	12/4/06	596	33.0	25.4	179	20.5	51.6	0.26
MW-27	12/4/06	1620	67.8	82.0	1000	4800	125	0.93
MW-28	12/4/06	1010	19.6	6.7	1110	2540	200	0.48
T-1**	12/4/06	3.2	64.0	24.5	128	92.0	7.1	<0.02
T-2**	12/4/06	<5.0	1.9	<5.0	<10.0	<5.0	<5.0	<0.019

LEGEND

MW-1 MONITORING WELL

MW- PROPOSED WELLS

KLM Environmental, LLC

Phase I· Phase II· Underground Storage Tanks·Soil & Water Sampling·Well Installation

FIGURE 4
COC MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

D H E C
PROMOTE PROTECT PROSPER
C. Earl Hunter, Commissioner
Promoting and protecting the health of the public and the environment.

MS MAUREEN JACKSON
WORSLEY COMPANY
PO BOX 3227
WILMINGTON NC 28409-3227

FEB 20 2009

Re: Additional Assessment Directive
Corner Stop 28, 717 Greenwood Ave, Ware Shoals, SC
UST Permit #05659; CA #35086; MWA#UMW-22459
Release reported December 30, 1991
Assessment plan and Cost Agreement received January 15, 2009
Greenwood County

Dear Ms Jackson:

The Underground Storage Tank (UST) Program of the South Carolina Department of Health and Environmental Control (SCDHEC) recognizes your commitment to continue work at this site utilizing your own contractor. The Program has reviewed the referenced plan submitted by KLM Environmental

Assessment activities at the site should begin immediately upon receipt of this letter. Monitoring wells MW-12, MW-15, MW-19, and MW-25 should be replaced. Monitoring well MW-4 does not need to be replaced at this time as MW-24 is adjacent to it. Additional monitoring wells should be installed in appropriate locations to monitor the migration of chemicals of concern (CoC). The required monitoring well approval is enclosed. Assessment activities should include an Aggressive Fluid/Vapor Recovery (AFVR) event to remove free phase product from MW-22. Approximately one month after completion of the AFVR event, a comprehensive groundwater sampling event should be completed to obtain current data. Samples from all monitoring wells associated with the release should be collected and analyzed for BTEX + naphthalene + MtBE, EDB, 8 oxygenates, and 1,2-DCA. Additionally, all new well development should be sampled for nitrates, sulfates, and ferrous iron. The groundwater samples should be analyzed in accordance with *Analytical Methodology* dated August 24, 2005. A copy of this publication is available on line at http://www.scdhec.gov/eqc/lwm/forms/analmet.pdf. Also, purging will not be required for monitoring wells where the water table is bracketed by the screen (with the exception of new well development). **Please be aware that the February 1, 2006 SUPERB Allowable Costs sheet states that "If vertical and horizontal extent of chemicals of concern are not fully defined by this tier report, additional mobilizations may not be approved by the Department."** Please be aware that a total of $192,031.41 has been reimbursed to date and your site rehabilitation contractor has requested an additional $83,808.34 in assessment activities. Worsley Operating Company would be responsible for rehabilitation costs that would exceed $1 million.

Cost agreement # 35086 has been approved for the amount shown on the enclosed cost agreement form for the aforementioned scope of work. Please note that the approved cost agreement has been amended from the one submitted as follows:

- Receptor Survey and Comprehensive Survey have been removed
- Equipment mobilizations have been reduced to two
- Well installation has been changed to 1,260 feet drilled water table, and 90 feet telescoping
- Number of groundwater sample collections have been reduced to 19, no purge sample collections have increased to 24
- Groundwater analyses have been changed to 43 BTEX+Naphth.+MtBE, Lead, EDB, 8 oxygenates, and 1,2-DCA, and 19 analyses for nitrate, sulfate, and ferrous iron. Filtered lead analyses have been removed

UST DOCKET
15 tcd

- Grain size hydrometer has been added for one shallow and adjacent deep wells from the screen interval
- A slug test has been added
- A subsequent survey has been added
- Wastewater Purging and sampling disposal has been increased to 10 drums, Pumping test/EFR disposal decreased to 300 galons

The AFVR and groundwater sampling activities may proceed immediately upon receipt of this letter. The AFVR/ Assessment Report submitted at the completion of these activities should include the following:

- A narrative portion documenting the AFVR event noting site conditions, the name of the AFVR contractor, field personnel, date, time the AFVR event started and ended, ambient air temperature, and general weather conditions during the AFVR event.
- A brief description of the completed work scope and any relevant descriptions pertaining to the data tables.
- A table summarizing the airflow (in CFM) and volatile air emissions concentrations collected from the stack of the truck every thirty minutes through the duration of the event. The table shall also document which well(s) were being recovered from during that time interval.
- A table summarizing the magnehelic gauge measurements from all applicable wells on a thirty-minute time interval.
- The total volume of water recovered (gallons).
- The total volume of free phase product recovered (typically measured with a product/water interface device inserted into the top of the tanker at the completion of the event and then converted to an approximate volume).
- The total weight of petroleum removed as vapor. This is calculated based on the airflow rate and the concentration of vapor.
- A table documenting the free product thickness in each well before and after the recovery event.
- A narrative portion documenting current site conditions during the groundwater sampling event noting the names of field personnel, date, time, ambient air temperature, and general weather conditions during the sampling event. The report shall also contain well purging data, pH, specific conductivity, water temperature, PID readings (where applicable) and turbidity comments.
- Groundwater elevations, depth to groundwater, measurable free product thickness (where applicable), total well depth and screened interval for all monitoring wells associated with the site, unless otherwise directed by the Program, shall be presented in tabular form. Groundwater laboratory analytical data for all monitoring wells for this and all previous sampling events shall be presented in tabular format.
- A groundwater elevation contour map of the site based on current groundwater potentiometric data.
- A CoC map based on current groundwater laboratory analytical data. The groundwater data should be adjacent to the relevant monitoring well location.
- Manifests for any contaminated soil and/or groundwater removed from the site for treatment and/or disposal.
- Signature and seal by a professional geologist or engineer registered in the State of South Carolina.

KLM Environmental, Inc., can submit an invoice for direct billing from the State Underground Petroleum Environmental Response Bank (SUPERB) Account. Please note that all applicable South Carolina certification requirements apply to the laboratory services, well installation, and report preparation. All site rehabilitation activities must be performed and submitted by a South Carolina Certified Underground Storage Tank Site Rehabilitation Contractor.

A free product recovery/assessment report and invoice are due within 90 days from the date of this letter. Interim invoices may not be submitted for this scope of work. If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

Please note that Sections 44-2-110(4) and 44-2-130 of the SUPERB Statute state that no costs will be allowed unless prior approval from the Program is obtained. If for any reason additional tasks will be completed, these additional tasks and the associated cost must be preapproved by the Program for the cost to be paid. 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. Further, SCDHEC reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

Please note, if unnecessary dilutions are completed resulting in reporting limits of individual Chemicals of Concern (CoC) in excess of Risk-Based Screening Levels (RBSLs), the data cannot be used. In those cases, the Program may deny payment for any non-detect analysis where the reporting limit exceeds the RBSL. The UST Program encourages the use of 'J' values as necessary so the appropriate action can be determined for a release. Beginning in 2009, the UST Program will begin requiring that laboratories be certified through the SCDHEC Office of Environmental Laboratory Certification for

the oxygenate compounds. The UST Program will require that laboratories submit the application for certification no later than December 31, 2008. Beginning April 1, 2009, the UST Program will no longer reimburse costs for oxygenate analysis for any laboratory that is not certified. Detailed information regarding the oxygenate certification can be found on the UST Guidance Documents webpage. (http://www.scdhec.gov/environment/envserv/docs/OxygenateCertification.pdf. The document can also be accessed from the UST documents page at http://www.scdhec.net/environment/ lwm/forms/). Any laboratory with questions regarding the certification requirements, should contact the Office of Environmental Laboratory Certification at (803) 896-0970.

The Department 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 COC concentrations based on laboratory analysis are 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 concerning this site, please reference **UST Permit 05659 and CA 35086.** If there are any questions concerning this project, please contact me at (803) 896-6396.

Sincerely,

Victoria F Bosnick

Victoria Bosnick, Hydrogeologist
Assessment Section
Assessment and Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

enc: Approved Cost Agreement
Monitoring Well Approval Form

cc: Technical File (with enc)
KLM Environmental, Inc., PO Box 2704, Goose Creek, SC 29169 (with enc)
Lucky Strike Amusements, 1116 Cherokee Ave, Ste 3, Gaffney, SC 29341 (without enc)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

Monitoring Well Approval

Approval is hereby granted to:	KLM Environmental
(On behalf of):	Worsley Operating Company
Facility:	Corner Stop 28, 717 N. Greenwood Ave, Ware Shoals, SC 29692
UST Permit Number:	05659
County:	Greenwood

This approval is for the installation of eighteen shallow and one deep 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 Department shall be completed and submitted to the Department within 30 days after well completion or abandonment unless another schedule has been approved by the Department. 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 Department within 30 days of receipt of laboratory results unless another schedule has been approved by the Department as required by R.61-71.H.1.d.

5. If any of the information provided to the Department changes, notification to Victoria Bosnick, the project manager (tel: (803) 896-6396 or e-mail: bosnicvj@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. Departmental approval is required prior to abandonment of all monitoring wells as required by R.61-71.H.1.a.

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

Date of Issuance: **January 21, 2009** **Approval #:** **UMW-22459**

Victoria F Bosnick

Victoria Bosnick, Hydrogeologist
Assessment Section
Division of Assessment and Corrective Action
Underground Storage Tank Program
Bureau of Land and Waste Management

Approved Cost Agreement 35086

Facility: 05659 CORNER STOP 28
BOSNICVJ
PO Number:

Task / Description	Categories	Item Description	Qty / Pct	Unit Price	Amount
01 PLAN					
		A PLAN PREPARATION	1.0000	100.00	100.00
04 MOB/DEMOB					
		A EQUIPMENT	2.0000	575.00	1,150.00
		B PERSONNEL	4.0000	290.00	1,160.00
09 WELL INSTALLATION					
		B WATER TABLE (DRILLED)	1,260.0000	38.00	47,880.00
		C TELESCOPING	90.0000	58.00	5,220.00
10 SAMPLE COLLECTION					
		A GROUND WATER	19.0000	55.00	1,045.00
		D GROUNDWATER NO-PURGE	24.0000	35.00	840.00
11 ANALYSES					
	GW GROUNDWATER	A BTEX+NAPTH+MTBE	43.0000	100.00	4,300.00
		BB 1,2-DCA	43.0000	10.75	462.25
		E LEAD	43.0000	20.00	860.00
		F EDB	43.0000	55.00	2,365.00
		K NITRATE	19.0000	20.00	380.00
		L SULFATE	19.0000	20.00	380.00
		M FERROUS IRON	19.0000	20.00	380.00
		P 8 OXYGENATES	43.0000	85.00	3,655.00
	SOIL SOIL	W GRAIN SIZE/HYDROMETER	2.0000	75.00	150.00
12 AQUIFER CHARACTERIZATION					
		B SLUG TEST	1.0000	150.00	150.00
16 SUBSEQUENT SURVEY					
		SUBSEQUENT SURVEY	1.0000	260.00	260.00
17 DISPOSAL					
		A1 WASTEWATER - PURGING/SAMPLING	10.0000	90.00	900.00
		A2 WASTEWATER - PUMPING TEST	300.0000	0.60	180.00
		C SOIL (TREATMENT/DISPOSAL)	60.0000	50.00	3,000.00
19 RPT/PROJECT MNGT & COORDINATIO					
		PCT PERCENT	0.1500	78,097.25	11,714.59
23 EFR					
		A 8 HOUR EVENT	1.0000	3,000.00	3,000.00
		C OFF GAS TREATMENT	8.0000	35.00	280.00
			Total Amount		89,811.84

35659 V. Bosnick

DHEC
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

UST JUN 08 2009 PROGRAM

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-12R

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	15 ft	0 - 15 ft
Gray rock	5 ft	15 - 20 ft
Orange clay	12 ft	20 - 32 ft
Gray rock and orange clay	38 ft	32 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/20//2009 Date Completed: 5/20/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 ft.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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: Jim A. Peurifoy Date: 5/29/2009
Well Driller
If D Level Driller, provide supervising driller's name:

Noted UST DOCKET

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

DHEC
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-15R

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	10 ft	0 - 10 ft
Gray rock	10 ft	10 - 20 ft
Orange clay	30 ft	20 - 50 ft
Gray rock	20 ft	50 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/20//2009 Date Completed: 5/20/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 lt.
Effective size #2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.
Signed: _____ Date: 5/29/2009
Well Driller
If D Level Driller, provide supervising driller's name:

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

DHEC
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-19R

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	10 ft	0 - 8 ft
Gray rock	10 ft	8 - 18 ft
Orange clay	32 ft	18 - 50 ft
Gray rock	20 ft	50 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/20//2009 Date Completed: 5/20/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 ft.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

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

DHEC
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: Home:

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER: MW-29

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from ____ ft. to ____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	5 ft	0 - 5 ft
Gray rock	29 ft	5 - 34 ft
Orange clay	7 ft	34 - 41 ft
Gray rock	29 ft	41 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/20//2009 Date Completed: 5/20/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
____ in. to ____ ft, depth
Height Above ☐ Below ☐ Surface ____ ft
Weight ____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
____ ft. and ____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 lt.
Effective size # 2 Uniformity Coefficient ____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other ____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type ____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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: Jim A. Peurifoy Date: 5/29/2009
Well Driller

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

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

DHEC
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-30

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	10 ft	0 - 8 ft
Gray rock	10 ft	8 - 18 ft
Orange clay	32 ft	18 - 50 ft
Gray rock	20 ft	50 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/20//2009 Date Completed: 5/20/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 lt.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A B C D
☒ ☐ ☐ ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

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D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-31

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	5 ft	0 - 5 ft
Gray rock	9 ft	5 - 14 ft
Orange clay	30 ft	14 - 44 ft
Gray rock	26 ft	44 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/20//2009 Date Completed: 5/20/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 lt.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

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DHEC
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South Carolina Department of Health and Environmental Control

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1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-32

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	5 ft	0 - 5 ft
Gray rock	17 ft	5 - 22 ft
Orange clay	17 ft	22 - 39 ft
Gray rock	31 ft	39 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/20//2009 Date Completed: 5/20/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 ft.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A B C D ☒ ☐ ☐ ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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Signed: _____ Date: 5/29/2009
Well Driller

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D H E C

PROMOTE PROTECT PROSPER

South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-33

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	5 ft	0 - 5 ft
Gray rock	17 ft	5 - 22 ft
Orange clay	17 ft	22 - 39 ft
Gray rock	31 ft	39 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/20//2009 Date Completed: 5/20/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 lt.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

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

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-34

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	5 ft	0 - 5 ft
Gray rock	17 ft	5 - 22 ft
Orange clay	17 ft	22 - 39 ft
Gray rock	31 ft	39 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/20//2009 Date Completed: 5/20/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 ft.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A B C D ☒ ☐ ☐ ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

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D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-35

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	5 ft	0 - 5 ft
Gray rock	15 ft	5 - 20 ft
Orange clay	19 ft	20 - 39 ft
Gray rock	31 ft	39 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/20//2009 Date Completed: 5/20/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 ft.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A B C D ☒ ☐ ☐ ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

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D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-36

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	11 ft	0 - 11 ft
Gray rock	15 ft	11 - 26 ft
Orange clay	16 ft	26 - 42 ft
Gray rock	28 ft	42 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/20//2009 Date Completed: 5/20/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 ft.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A B C D ☒ ☐ ☐ ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

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

DHEC
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-37

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	10 ft	0 - 10 ft
Gray rock	17 ft	10 - 27 ft
Orange clay	15 ft	27 - 42 ft
Gray rock	28 ft	42 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/20//2009 Date Completed: 5/20/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 ft.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A B C D ☒ ☐ ☐ ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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Signed: _____ Date: 5/29/2009
Well Driller

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DHEC
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South Carolina Department of Health and Environmental Control

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Bureau of Water
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1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-38

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	13 ft	0 - 13 ft
Gray rock	14 ft	13 - 27 ft
Orange clay	15 ft	27 - 42 ft
Gray rock	28 ft	42 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/20//2009 Date Completed: 5/20/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 ft.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
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Water Well Record
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1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-39

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	15 ft	0 - 15 ft
Gray rock	15 ft	15 - 30 ft
Orange clay	15 ft	30 - 45 ft
Gray rock	25 ft	45 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/21//2009 Date Completed: 5/21/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 ft.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A B C D ☒ ☐ ☐ ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

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DHEC
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-40

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	15 ft	0 - 15 ft
Gray rock	15 ft	15 - 30 ft
Orange clay	15 ft	30 - 45 ft
Gray rock	25 ft	45 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/21//2009 Date Completed: 5/21/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 lt.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A B C D ☒ ☐ ☐ ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

DHEC 1903 (07/2003)

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

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-41

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	15 ft	0 - 15 ft
Gray rock	15 ft	15 - 30 ft
Orange clay	15 ft	30 - 45 ft
Gray rock	25 ft	45 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/21//2009 Date Completed: 5/21/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL _____ 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 48 ft. to 70 ft.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

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

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-42

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	14 ft	0 - 14 ft
Gray rock	19 ft	14 - 33 ft
Orange clay	17 ft	33 - 50 ft
Gray rock	20 ft	50 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/21//2009 Date Completed: 5/21/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 ft.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peuritoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

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

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-43

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	14 ft	0 - 14 ft
Gray rock	19 ft	14 - 33 ft
Orange clay	17 ft	33 - 50 ft
Gray rock	20 ft	50 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/21//2009 Date Completed: 5/21/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 lt.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A B C D ☒ ☐ ☐ ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

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

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: T-3

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	8 ft	0 - 8 ft
Gray rock	19 ft	8 - 27 ft
Orange clay	16 ft	27 - 43 ft
Gray rock	47	43 - 90 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 90 ft. Date Started: 5/20//2009 Date Completed: 5/21/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
6 in. to 75 ft. depth
2 in. to 85 ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 5 ft
Set Between: 85 ft. and 90 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL _____ 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 83 ft. to 90 ft.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 80 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A B C D ☒ ☐ ☐ ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

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

JUNE 2009 MONITORING REPORT
Corner Stop 28 (Former Fast Point 17)
Ware Shoals, South Carolina
Site ID# 05659

KLM Environmental, LLC

Phase I Phase II Underground Storage Tanks Soil & Water Sampling Well Installation

PO Box 2704
Goose Creek, SC 29445

843-870-4285 Phone
843-797-1893 Fax

June 18th, 2009

UST DOCKET

Prepared for:

Ms. Victoria Bosnick
SCDHEC BUSTM
2600 Bull Street
Columbia, SC 29201

Prepared by:

KLM Environmental, LLC
Post Office Box 2704
Goose Creek, SC 29445
(843) 870-4285 / *fax: 797-1893*

Project# 05094.4

SIGNATURE PAGE

This report entitled "**JUNE 2009 MONITORING REPORT" for Corner Stop 28** has been prepared at the request of and for the exclusive use of the South Carolina Department of Health and Environmental Control. It has been prepared and reviewed by the undersigned.

Prepared By:

J. Micah Bennett
Hydrogeologist
KLM Environmental, LLC

Prepared By:

Mark L. Keller, PG
President
KLM Environmental, LLC

7/19/09
Date

MARK L. KELLER
REGISTERED
No. 2311
7/19/09
SOUTH CAROLINA
PROFESSIONAL GEOLOGIST

TABLE OF CONTENTS

SECTION	DESCRIPTION	PAGE
1.0	INTRODUCTION	1
2.0	AFVR	2
3.0	SITE DESCRIPTION	3
	3.1 Hydraulic Conductivity and Transmissivity	
	3.2 Average Linear Flow Velocity and Hydraulic Gradient	
4.0	GROUNDWATER QUALITY	7
5.0	CONCLUSIONS	15
6.0	REFERENCES	16

LIST OF FIGURES

DESCRIPTION	FIGURE
GENERAL SITE LOCATION	1
SITE MAP	2
PIEZOMETRIC MAP	3
COC MAP	4

LIST OF APPENDICES

DESCRIPTION	APPENDIX
FIGURES	A
AFVR EMISSIONS DATA	B
AQUIFER CALCULATIONS	C
WELL CONSTRUCTION LOGS	D
LABORATORY DATA	E
DISPOSAL MANIFEST	F
HISTORICAL GROUNDWATER ELEVATIONS	G

LIST OF TABLES

DESCRIPTION	TABLE
GROUNDWATER ELEVATION DATA	1
SUMMARY OF ANALYTICAL DATA	2
OXYGENATE ANALYTICAL DATA	3
SUMMARY OF AUXILARY DATA	4

1.0 INTRODUCTION

The Corner Stop 28 site is located at 717 North Greenwood Ave. in Ware Shoals, South Carolina. A general site location map is provided as Figure 1 in Appendix A. Numerous assessment and sampling events have occurred at the site since the release was reported on December 31st, 1991. As a result of the last assessment event conducted in December, 2008 a directive was sent out requesting Aggressive Fluid Vapor Recovery (AFVR) to be performed at the site along with additional wells to be installed and the well network be sampled. This report serves to present the results of the AFVR event and the current assessment investigation.

2.0 AGGRESSIVE FLUID VAPOR RECOVERY

The AFVR event was performed on March 25th, 2009. Free product measured 1.03 feet at MW-22 prior to the AFVR event conducted on March 25th, and 0.00 feet after the AFVR was completed. A total of 4 gallons of product was recovered during this event from MW-22. A total of 380 gallons of product and water was recovered during this event. Vacuum truck emissions monitoring data is included in Appendix B along with the manifests for the AFVR event.

3.0 SITE DESCRIPTION

Currently, there are forty-five shallow wells and three telescoping wells located at the site. Figure 2 serves as a site map showing well locations. On May 20th and 21st, 2009 Cypress Bay Water Systems, LLC replaced missing well MW-12 and dry wells MW-15 and MW-19 with MW-12R, MW-15R, and MW-19R respectively. MW-25 was not replaced as water was present in this well during the drilling event. Cypress Bay Water Systems, LLC also installed monitoring wells MW-29 through MW-43, along with telescoping well T-3. MW-41 was found to be dry during the sampling event while MW-40 which is less than 20 feet from MW-41 had a water column of 16 feet. MW-41 will most likely have water in it during future events once it has had time to accumulate water as it was installed in a solid rock formation. Well construction logs are presented in Appendix D. The piezometric data is provided in the following table and in Appendix A, Figure 3.

TABLE 1
Groundwater Data (feet)
Corner Stop #28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	FP Thickness	GW Elevation
MW-1	6/1/09	99.42	34-54	48.11	48.57	0.46	--
MW-2	6/1/09	98.19	45-55	--	41.06	--	57.13
MW-3	6/1/09	99.02	45-55	--	46.60	--	52.42
MW-4	6/1/09	102.70	45-60	--	DRY	--	--
MW-5	6/1/09	99.90	35-60	--	47.92	--	51.98
MW-6R	6/1/09	101.94	45-65	--	58.77	--	43.17
MW-7	6/1/09	101.61	35-60	58.98	59.02	0.04	--
MW-9	6/1/09	96.71	35-60	--	36.70	--	60.01
MW-10	6/1/09	98.24	35-60	--	35.85	--	62.39
MW-11	6/1/09	100.53	30-55	54.73	54.85	0.12	--
MW-12R	6/1/09	99.58	50-70	--	40.62	--	58.96
MW-13	6/1/09	99.96	40-60	--	41.75	--	58.21
MW-14	6/1/09	102.92	40-60	--	56.31	--	46.61
MW-15	6/1/09	101.50	40-60	--	DRY	--	--
MW-15R	6/1/09	101.29	50-70	59.86	59.87	0.01	--
MW-16	6/1/09	98.68	40-60	--	50.33	--	48.35
MW-17	6/1/09	99.05	40-60	--	38.80	--	60.25
MW-18	6/1/09	101.23	40-60	55.77	55.97	0.20	--
MW-19	6/1/09	102.19	40-60	--	DRY	--	--
MW-19R	6/1/09	102.03	50-70	--	60.48	--	41.55
MW-20	6/1/09	91.47	40-60	--	54.50	--	36.97
MW-21	6/1/09	100.39	45-65	--	60.60	--	39.79
MW-22	6/1/09	100.39	45-65	59.55	60.01	0.46	--
MW-23	6/1/09	101.62	45-65	--	59.87	--	41.75
MW-24	6/1/09	101.71	45-65	--	58.71	--	43
MW-25	6/1/09	97.73	45-65	--	33.76	--	63.97
MW-26	6/1/09	100.01	45-65	--	52.14	--	47.87
MW-27	6/1/09	94.30	45-65	--	53.42	--	40.88
MW-28	6/1/09	87.21	45-65	--	48.57	--	38.64
MW-29	6/1/09	96.72	50-70	--	33.10	--	63.62
MW-30	6/1/09	102.10	50-70	--	50.21	--	51.89
MW-31	6/1/09	94.97	50-70	--	37.01	--	57.96
MW-32	6/1/09	86.78	50-70	--	44.40	--	42.38
MW-33	6/1/09	88.98	50-70	52.06	52.37	0.31	--
MW-34	6/1/09	90.20	50-70	--	53.79	--	36.41
MW-35	6/1/09	71.30	50-70	--	39.12	--	32.18
MW-36	6/1/09	81.34	50-70	--	50.30	--	31.04

TABLE 1 Groundwater Data (feet) Corner Stop #28 Ware Shoals, SC							
Monitoring Well	**Date**	**TOC Elevation**	**Screened Interval**	**TOC to FP**	**TOC to GW**	**FP Thickness**	**GW Elevation**
MW-37	6/1/09	67.13	50-70	--	37.96	--	29.17
MW-38	6/1/09	72.76	50-70	--	41.90	--	30.86
MW-39	6/1/09	89.53	50-70	--	47.40	--	42.13
MW-40	6/1/09	91.41	50-70	--	53.87	--	37.54
MW-41	6/1/09	94.23	50-70	--	DRY	--	--
MW-42	6/1/09	100.92	50-70	--	55.38	--	45.54
MW-43	6/1/09	95.52	50-70	--	45.78	--	49.74
T-1**	6/1/09	100.32	71-81	--	57.46	--	42.86
T-2**	6/1/09	91.86	76-81	--	54.93	--	36.93
T-3**	6/1/09	95.68	85-90	--	53.52	--	42.16

**Piezometric data from wells with free product and telescoping well not used to construct the piezometric map.
CNL = Could Not Locate

Depths to fluid measurements were collected relative to the top of casing for each well using a hydrocarbon interface probe capable of detecting and measuring a hydrocarbon product thickness of 0.01 foot or 1/8 inch. Groundwater elevations were then determined by subtracting depth to fluid measurements from the top of casing elevations and a piezometric contour map of the uppermost aquifer surface was developed (Appendix A, Figure 3). Free phase petroleum product was detected in monitoring wells MW-1, MW-7, MW-11, MW-15R, MW-18, MW-22 and MW-33 on the day sampling was performed. These wells along with the telescoping wells are not included in the piezometric map in Appendix A. Monitoring wells MW-4, MW-6, MW-15, MW-19, and MW-41 were dry.

3.1 Hydraulic Conductivity & Transmissivity

The hydraulic conductivity (*K*) was calculated during this assessment utilizing data collected from monitoring well MW-28. The hydraulic conductivity for the shallow well was calculated at 0.09209 m/day (0.3021 ft/day). Hydraulic conductivity and transmissivity calculations were calculated utilizing the Bouwer-Rice method and can be found in Appendix C.

3.2 Average Linear Flow Velocity and Hydraulic Gradient

The hydraulic gradient calculation was performed utilizing data from monitoring wells MW-3, MW-32, and MW-37. The resulting hydraulic gradient is calculated to be 0.035857 ft/ft. The linear flow velocity is calculated using a modified form of Darcy's Law:

$$V=K/n\ (\Delta h/\Delta L)$$

where:
V = the average linear flow velocity (L/t)
K = the hydraulic conductivity (L/t)
n = the estimated effective porosity (%) = 40%
$\Delta h/\Delta l$ = the hydraulic gradient (L/L)

The linear flow velocity is calculated to be 0.05795 ft/day or 21.152 ft/year. This is used to represent the migration of COC. Calculations are provided in Appendix C.

4.0 GROUNDWATER QUALITY

KLM personnel performed the groundwater-sampling event on June 1st, 2009. Results from the most recent sampling event are included in the table for comparison.

TABLE 2
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	EDB
RBSL	--	**5**	**1000**	**700**	**10000**	**40**	**25**	**0.05**
MW-1	2/28/06	NS	NS	NS	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-2	2/28/06	**3800**	**41000**	**4100**	**22500**	**1100**	**<400**	**10**
	5/30/07	**1300**	**20000**	**1900**	**12300**	**1900**	**400**	**15**
	10/23/07	**2410**	**25900**	**3340**	**18350**	**7510**	**1940**	**16.8**
	2/27/08	**2770**	**28600**	**3670**	**20000**	**4040**	**991**	**12.6**
	12/4/08	**2940**	**23400**	**2930**	**18200**	**17500**	**<1000**	**53.4**
	6/1/09	**4170**	**21400**	**2560**	**18000**	**18300**	**659**	**54.8**
MW-3	2/28/06	NS	NS	NS	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**2120**	**21000**	**3140**	**17900**	**2990**	**1030**	**9.7**
MW-4	2/28/06	NS	NS	NS	NS	NS	NS	NS
	5/30/07	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	10/23/07	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-5	2/28/06	**410**	150	19	270	**140**	3	<0.02
	5/30/07	**900**	820	150	640	**860**	13	**0.20**
	10/23/07	**592**	334	70.1	444	**425**	**45.4**	0.031
	2/27/08	**482**	614	25.4	1110	**557**	**34.8**	<0.02
	12/4/08	**363**	84.2	13.7	263	**831**	<25.0	**0.06**
	6/1/09	**294**	199	19.6	409	**677**	**32.5**	<0.019
MW-6	2/28/06	**450**	350	650	1450	19	<1	<0.02
	5/30/07	<5.0	14	6.4	40	<5.0	12	NS
	10/23/07	DRY	DRY	DRY	DRY	DRY	DRY	DRY

TABLE 2 CONT.
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	EDB
RBSL	**--**	**5**	**1000**	**700**	**10000**	**40**	**25**	**0.05**
MW-6R	2/27/08	**4470**	**19500**	**2300**	9800	**85.9**	**351**	<0.02
	12/4/08	**95.7**	115	29.1	440	**63.3**	**57.1**	<0.02
	6/1/09	**16.1**	144	21.1	167	25.7	**128**	<0.019
MW-7	2/28/06	NS	NS	NS	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-9	2/28/06	<1	<1	<1	<3	<1	<1	<0.02
	5/30/07	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<0.02
	10/23/07	<5.0	5.2	<5.0	<10.0	<5.0	<5.0	<0.02
	2/27/08	1.3	29.0	8.4	45.4	<5.0	8.6	<0.02
	12/4/08	1.7	22.9	6.0	33.5	2.4	<5.0	<0.019
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-10	2/28/06	<1	<1	<1	<3	<1	<1	<0.02
	5/30/07	<5.0	9.5	<5.0	21.4	<5.0	6.7	<0.02
	10/23/07	<5.0	19.4	6.7	43.3	<5.0	11.7	<0.02
	2/27/08	3.7	106	34.3	215	2.1	**43.2**	<0.02
	12/4/08	2.5	32.1	7.6	47.7	6.5	7.5	0.046
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-11	2/28/06	**12000**	**60000**	**10000**	**55000**	**37000**	**3400**	**19**
	5/30/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-12	2/28/06	**130**	7	1	94	22	1	<0.02
	5/30/07	CNL	CNL	CNL	CNL	CNL	CNL	CNL
	10/23/07	CNL	CNL	CNL	CNL	CNL	CNL	CNL
	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-12R	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-13	5/30/07	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<0.02
	10/23/07	<5.0	7.4	<5.0	<10	<5.0	6.3	<0.02
	2/27/08	**6.4**	<5.0	<5.0	4.6	<5.0	3.1	<0.02
	12/4/08	4.8	83.3	24.4	134	4.1	10.1	<0.02
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019

TABLE 2 CONT.
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	EDB
RBSL	**--**	**5**	**1000**	**700**	**10000**	**40**	**25**	**0.05**
MW-14	5/30/07	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<0.02
	10/23/07	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.02
	2/27/08	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.02
	12/4/08	2.6	44.3	12.7	70.0	2.7	6.4	<0.02
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
MW-15	5/30/07	**10000**	**42000**	**3400**	**29000**	**980**	**830**	**23**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-15R	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-16	5/30/07	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.02
	10/23/07	<5.0	9.3	<5.0	20.2	<5.0	5.7	<0.02
	2/27/08	1.7	30.1	8.5	44.9	<5.0	4.1	<0.02
	12/4/08	**17.9**	321	102	590	<5.0	**69.4**	0.034
	6/1/09	**10.2**	198	54.8	296	<5.0	**38.2**	<0.019
MW-17	10/23/07	**2610**	**7400**	**912**	6330	**9380**	**<500**	**24.6**
	2/27/08	**4810**	**15900**	**2450**	**14200**	**12200**	**764**	**37.1**
	12/4/08	**5610**	**21500**	**1630**	**14600**	**17700**	**749**	**87.5**
	6/1/09	**3210**	**15800**	**1870**	**11300**	**6040**	**<1000**	24.7
MW-18	10/23/07	**2180**	**20000**	**3410**	**19880**	**1030**	**830**	**0.88**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-19	10/23/07	**9840**	**47600**	**5260**	**27800**	**18500**	**1660**	**16.4**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-19R	6/1/09	**4700**	**44500**	**3700**	**19500**	**2240**	**1010**	**3.1**
MW-20	10/23/07	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.02
	2/27/08	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.02
	12/4/08	<5.0	4.8	1.8	18.5	<5.0	3.0	<0.019
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-21	2/27/08	**123**	23.0	15.3	569	8.3	**53.4**	<0.02
	12/4/08	**1510**	**1870**	**1530**	**11000**	**321**	**598**	**0.53**
	6/1/09	**2650**	**3700**	**1850**	8130	**580**	**756**	**0.66**

TABLE 2 CONT.
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	EDB
RBSL	--	5	1000	700	10000	40	25	0.05
MW-22	2/27/08	**9410**	**45300**	**4050**	**21000**	**12300**	**<2500**	**4.0**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-23	12/4/08	**19.3**	173	40.5	236	19.4	**40.1**	**0.083**
	6/1/09	<5.0	<5.0	<5.0	<10.0	17.9	<5.0	<0.019
MW-24	12/4/08	1.9	65.8	40.9	573	<5.0	**90.2**	<0.019
	6/1/09	**168**	105	121	705	35.7	**49.0**	<0.020
MW-25	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/1/09	<5.0	<5.0	<5.0	6.9	<5.0	<5.0	<0.019
MW-26	12/4/08	**596**	33.0	25.4	179	20.5	**51.6**	**0.26**
	6/1/09	**715**	<25.0	12.5	229	25.9	**61.8**	**0.11**
MW-27	12/4/08	**1620**	67.8	62.0	1000	**4800**	**125**	**0.93**
	6/1/09	**1160**	<100	<100	375	**2850**	**<100**	**0.36**
MW-28	12/4/08	**1010**	19.6	6.7	1110	**2540**	**200**	**0.48**
	6/1/09	**3940**	50.3	29.6	1410	**6750**	**358**	**0.81**
MW-29	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-30	6/1/09	**13.8**	11.0	7.9	196	13.2	**88.8**	<0.019
MW-31	6/1/09	<5.0	1.8	<5.0	3.0	<5.0	<5.0	<0.019
MW-32	6/1/09	<5.0	2.4	<5.0	4.9	<5.0	<5.0	<0.019
MW-33	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-34	6/1/09	**8570**	**45200**	**3510**	**18300**	**9560**	**665**	8.0
MW-35	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-36	6/1/09	<5.0	<5.0	<5.0	<10.0	4.6	<5.0	<0.019
MW-37	6/1/09	<5.0	<5.0	<5.0	<10.0	**247**	<5.0	<0.019
MW-38	6/1/09	<5.0	<5.0	<5.0	<10.0	**319**	<5.0	<0.019
MW-39	6/1/09	<5.0	<5.0	<5.0	<10.0	12.4	<5.0	<0.019
MW-40	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-41	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-42	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-43	6/1/09	<5.0	<5.0	<5.0	<10.0	12.0	<5.0	<0.019
T-1	2/28/06	NS	NS	NS	NS	NS	NS	NS
	5/30/07	**41**	240	120	790	**1500**	**260**	**0.71**
	10/23/07	**<25**	44.7	<25	<50	**655**	<25	**0.10**
	2/27/08	**5.4**	28.0	3.9	21.4	**232**	21.8	<0.02
	12/4/08	3.2	64.0	24.5	128	**92.0**	7.1	<0.02
	6/1/09	**4.9**	<5.0	<5.0	5.6	**76.1**	<5.0	<0.019

TABLE 2 CONT.
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	EDB
RBSL	**--**	**5**	**1000**	**700**	**10000**	**40**	**25**	**0.05**
T-2	10/23/07	<5.0	33.2	9.9	52.5	<5.0	6.9	<0.02
	2/27/08	<5.0	7.1	<5.0	5.3	<5.0	3.5	<0.02
	12/4/08	<5.0	1.9	<5.0	<10.0	<5.0	<5.0	<0.019
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
T-3	6/1/09	**358**	<25.0	<25.0	43.5	**985**	17.8	<0.019

All results presented in the table are in ug/l unless otherwise stated. FP = Free product, NA = Not Analyzed

TABLE 3
Oxygenate Data
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	Ethanol	(ETBE)	(DIPE)	(ETBA)	(TBA)	(TAME)	(TAA)	(TBF)
RBSL	**	**10000**	**47**	**150**	**--**	**1400**	**128**	**240**	**--**
MW-1	6/1/09	FP	FP	FP	FP	FP	FP	FP	FP
MW-2	6/1/09	**<40000**	**<2000**	**1190**	<20000	**<20000**	**<2000**	**<20000**	<10000
MW-3	6/1/09	<200	<10.0	**290**	<100	382	100	**1830**	<50.0
MW-4	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-5	6/1/09	<400	<20.0	**191**	<200	<200	43.3	207	<100
MW-6R	6/1/09	<200	<10.0	19.5	<100	187	<10.0	**330**	<50.0
MW-7	6/1/09	FP	FP	FP	FP	FP	FP	FP	FP
MW-9	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-10	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-11	6/1/09	FP	FP	FP	FP	FP	FP	FP	FP
MW-12R	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-13	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-14	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-15	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-15R	6/1/09	FP	FP	FP	FP	FP	FP	FP	FP
MW-16	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-17	6/1/09	**<40000**	**<2000**	**541**	<20000	**<20000**	**<2000**	**<20000**	<10000
MW-18	6/1/09	FP	FP	FP	FP	FP	FP	FP	FP
MW-19	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-19R	6/1/09	<4000	**<200**	**181**	<2000	1190	**<200**	**4990**	<1000
MW-20	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-21	6/1/09	<4000	**<200**	93.2	<2000	826	**<200**	**2890**	<1000
MW-22	6/1/09	FP	FP	FP	FP	FP	FP	FP	FP
MW-23	6/1/09	<200	<10.0	4.4	<100	<100	<10.0	<100	<50.0
MW-24	6/1/09	<400	<20.0	9.9	<200	58.4	<20.0	204	<100
MW-25	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-26	6/1/09	<1000	**<50.0**	**182**	<500	135	<50.0	**814**	<250
MW-27	6/1/09	<4000	**<200**	**1610**	<2000	**<2000**	**277**	**3140**	<1000
MW-28	6/1/09	<4000	**<200**	**2810**	<2000	**<2000**	**469**	**6270**	<1000

TABLE 3 CONT.
Oxygenate Data
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	Ethanol	(ETBE)	(DIPE)	(ETBA)	(TBA)	(TAME)	(TAA)	(TBF)
RBSL	**	**10000**	**47**	**150**	--	**1400**	**128**	**240**	--
MW-29	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-30	6/1/09	<400	<20.0	<10.0	<200	<200	<20.0	<200	<100
MW-31	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-32	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-33	6/1/09	FP	FP	FP	FP	FP	FP	FP	FP
MW-34	6/1/09	<4000	**<200**	**742**	<2000	**1500**	552	**4300**	<1000
MW-35	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-36	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-37	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-38	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-39	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-40	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-41	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-42	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-43	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
T-1	6/1/09	<200	<10.0	37.2	<100	<100	<10.0	<100	<50.0
T-2	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
T-3	6/1/09	<1000	**<50.0**	**284**	<500	169	45.1	1070	<250

TABLE 4
Auxiliary Data
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	Lead	1,2 DCA	Ferrous Iron	Nitrate	Methane	Sulfate (mg/L)	Filtered Lead
RBSL	--	**15**	**5.0**	-	-	-	-	**5**
MW-1	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-2	6/1/09	**16.7**	**<1000**	NS	NS	NS	NS	NS
MW-3	6/1/09	111	**17.5**	NS	NS	NS	NS	NS
MW-4	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-5	6/1/09	<5.0	**<10.0**	NS	NS	NS	NS	NS
MW-6R	6/1/09	8.1	<5.0	NS	NS	NS	NS	NS
MW-7	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-9	6/1/09	<5.0	<5.0	NS	NS	NS	NS	NS
MW-10	6/1/09	<5.0	<5.0	NS	NS	NS	NS	NS
MW-11	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-12R	6/1/09	<5.0	<5.0	<0.50	1.7	NS	2.6	NS
MW-13	6/1/09	<5.0	<5.0	NS	NS	NS	NS	NS
MW-14	6/1/09	11.4	<5.0	NS	NS	NS	NS	NS
MW-15	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-15R	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-16	6/1/09	<5.0	<5.0	NS	NS	NS	NS	NS
MW-17	6/1/09	<5.0	**<1000**	NS	NS	NS	NS	NS
MW-18	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**

TABLE 4
Auxiliary Data
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	Lead	1,2 DCA	Ferrous Iron	Nitrate	Methane	Sulfate (mg/L)	Filtered Lead
RBSL	**--**	**15**	**5.0**	**-**	**-**	**-**	**-**	**5**
MW-19	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-19R	6/1/09	**30.8**	**<100**	<0.50	<0.10	NS	<1.0	NS
MW-20	6/1/09	<5.0	<5.0	NS	NS	NS	NS	NS
MW-21	6/1/09	**41.8**	**<100**	NS	NS	NS	NS	NS
MW-22	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-23	6/1/09	<5.0	<5.0	NS	NS	NS	NS	NS
MW-24	6/1/09	7.1	**<10.0**	NS	NS	NS	NS	NS
MW-25	6/1/09	<5.0	<5.0	NS	NS	NS	NS	NS
MW-26	6/1/09	**20.3**	**26.4**	NS	NS	NS	NS	NS
MW-27	6/1/09	<5.0	**91.2**	NS	NS	NS	NS	NS
MW-28	6/1/09	5.2	**159**	NS	NS	NS	NS	NS
MW-29	6/1/09	<5.0	<5.0	<0.50	2.2	NS	8	NS
MW-30	6/1/09	<5.0	**<10.0**	<0.50	0.39	NS	2	NS
MW-31	6/1/09	<5.0	<5.0	<0.50	3.8	NS	4.6	NS
MW-32	6/1/09	<5.0	<5.0	<0.50	3.6	NS	17	NS
MW-33	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-34	6/1/09	**48.3**	**<100**	<0.50	<0.10	NS	<1.0	NS
MW-35	6/1/09	<5.0	<5.0	<0.50	1.9	NS	13	NS
MW-36	6/1/09	<5.0	<5.0	<0.50	2.7	NS	6.9	NS
MW-37	6/1/09	<5.0	<5.0	<0.50	7.5	NS	65	NS
MW-38	6/1/09	<5.0	<5.0	<0.50	6.3	NS	67	NS
MW-39	6/1/09	<5.0	<5.0	<0.50	8.4	NS	4.5	NS
MW-40	6/1/09	<5.0	<5.0	<0.50	3.9	NS	13	NS
MW-41	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-42	6/1/09	<5.0	<5.0	<0.50	2.5	NS	5.6	NS
MW-43	6/1/09	<5.0	<5.0	<0.50	8.6	NS	4.3	NS
T-1	6/1/09	<5.0	<5.0	NS	NS	NS	NS	NS
T-2	6/1/09	<5.0	<5.0	NS	NS	NS	NS	NS
T-3	6/1/09	<5.0	**28.5**	<0.50	1.1	NS	87	NS

All results presented in the table are in ug/l unless otherwise stated. FP = Free product, NA = Not Analyzed
CNL = Could Not Locate

A minimum of three well volumes were purged from each monitoring well newly installed or not effectively bracketing the water table. Immediately after well purging was completed, groundwater samples were collected using disposable bottom entry sampling bailers, decanted into sterile glass sample containers provided by the analytical laboratory, and preserved in accordance with United States Environmental Protection Agency (USEPA) sampling protocol. Standard field parameters (pH, specific conductivity, temperature, dissolved oxygen, salinity, and turbidity) were measured and recorded for each sample during well purging and at the time of collection. Following collection in the field, the groundwater samples were submitted to the analytical laboratory and

analyzed for Benzene, Toluene, Ethylbenzene, total Xylenes (BTEX), Methyl-tert Butyl Ether (MTBE), Naphthalene, EDB, 1,2 DCA, 8 oxygenates, nitrate, sulfate, and Lead. Additionally, all new wells were sampled for nitrate, sulfate and ferrous iron. A copy of the laboratory data and the chain-of-custody for the well sampling event is provided in Appendix E. A map with concentration levels for each well is provided as Figure 4 in Appendix A. A disposal manifest for the contaminated purge water and drill cuttings is provided in Appendix F.

5.0 CONCLUSIONS

KLM performed one AFVR event at the site in March 2009 on MW-22 and recovered 4 gallons of free phase product during that event.

This sampling event performed on June 1st, 2009 shows the presence of free phase petroleum at the site in monitoring wells MW-1, MW-7, MW-11, MW-15R, MW-18, MW-22 and MW-33. Monitoring wells MW-4, MW-6, MW-15, MW-19, and MW-41 were dry during this sampling event. Historically, MW-15 and MW-19 have contained free phase petroleum.

Based on the field activities and sampling results the contaminant plume remains undefined with regards to MTBE in areas to the west of MW-37 and MW-38 in the direction of groundwater flow. The free product plume also remains undefined to the south. The free product plume is currently estimated at over 450 feet long and over 40 feet wide. The contaminant plume is currently estimated at over 800 feet long and over 450 feet wide at its widest point.

In order to fully define the contaminant plume as well as the free product plume, KLM recommends further delineation to the south and west of the site. As delineation requires rock drilling several events should be conducted in order to fully define the extent. During this delineation numerous AFVR events should be conducted in order to remove the massive amount of free phase product detected at the site. Based on previous events the product is relatively easy to recover during these events. Finally, an extensive receptor survey should be completed for properties well to the west and south of the site to ensure a supply well is not present that could be impacted and also be aiding in expanding the size of the contaminated area.

6.0 REFERENCES

KLM Environmental, LLC, *Monitoring Report*, December, 2008.

KLM Environmental, LLC, *Monitoring Report*, March, 2008.

KLM Environmental, LLC, *Assessment Report*, November, 2007.

KLM Environmental, LLC, *Assessment Report*, June, 2007.

Delta Environmental, Inc., *Monitoring Report*, February 2006.

South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management Underground Storage Tank Program, *South Carolina Risk-Based Corrective Action for Petroleum Releases*, May 15, 2001.

APPENDIX A

Figures

KLM Environmental, LLC

Phase I· Phase II· Underground Storage Tanks·Soil & Water Sampling· Well Installation

Figure 1
USGS Map
Corner Stop 28
Ware Shoals, SC
Project # 05094.4

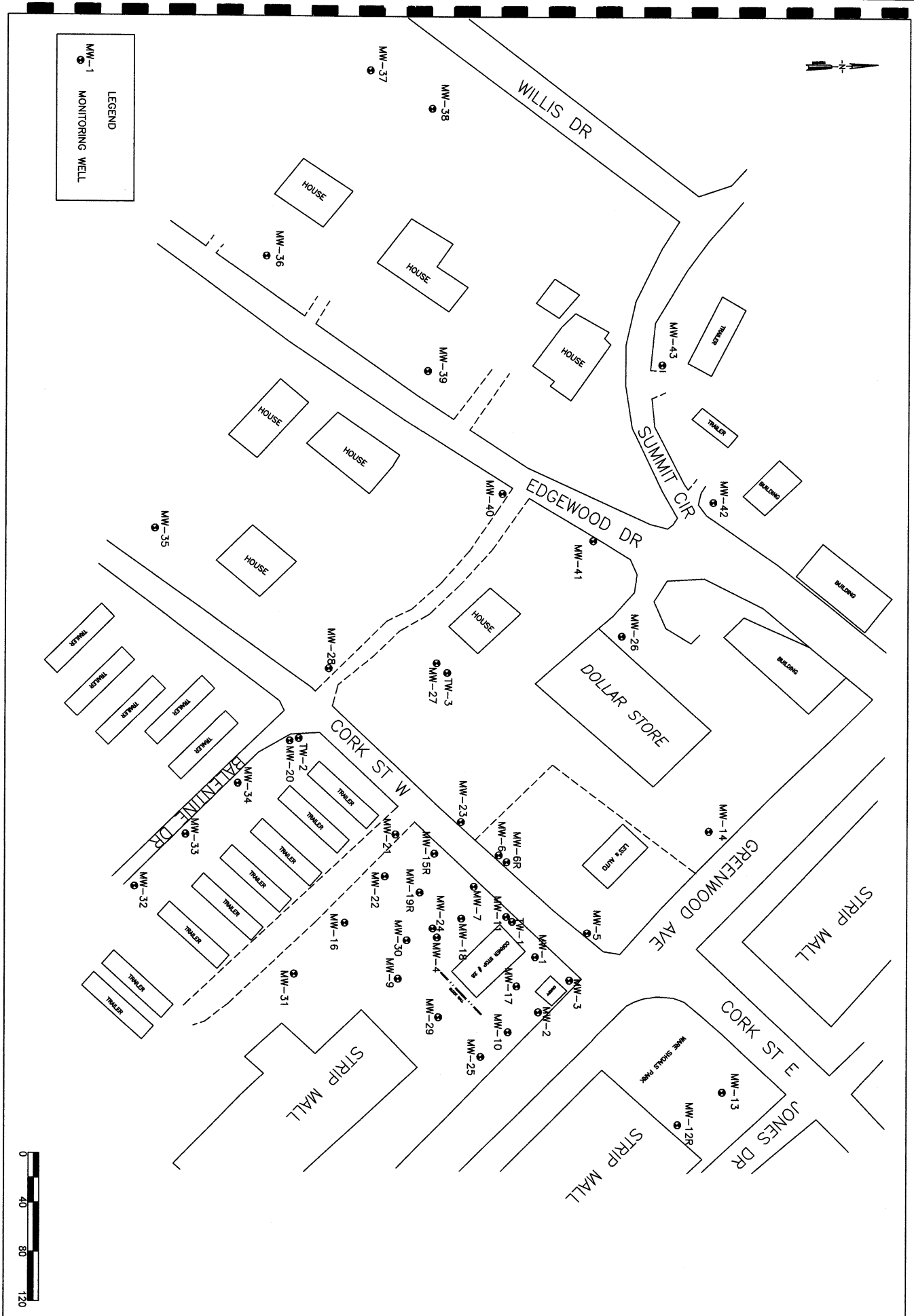


FIGURE 2
SITE MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

KLM Environmental, LLC
Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

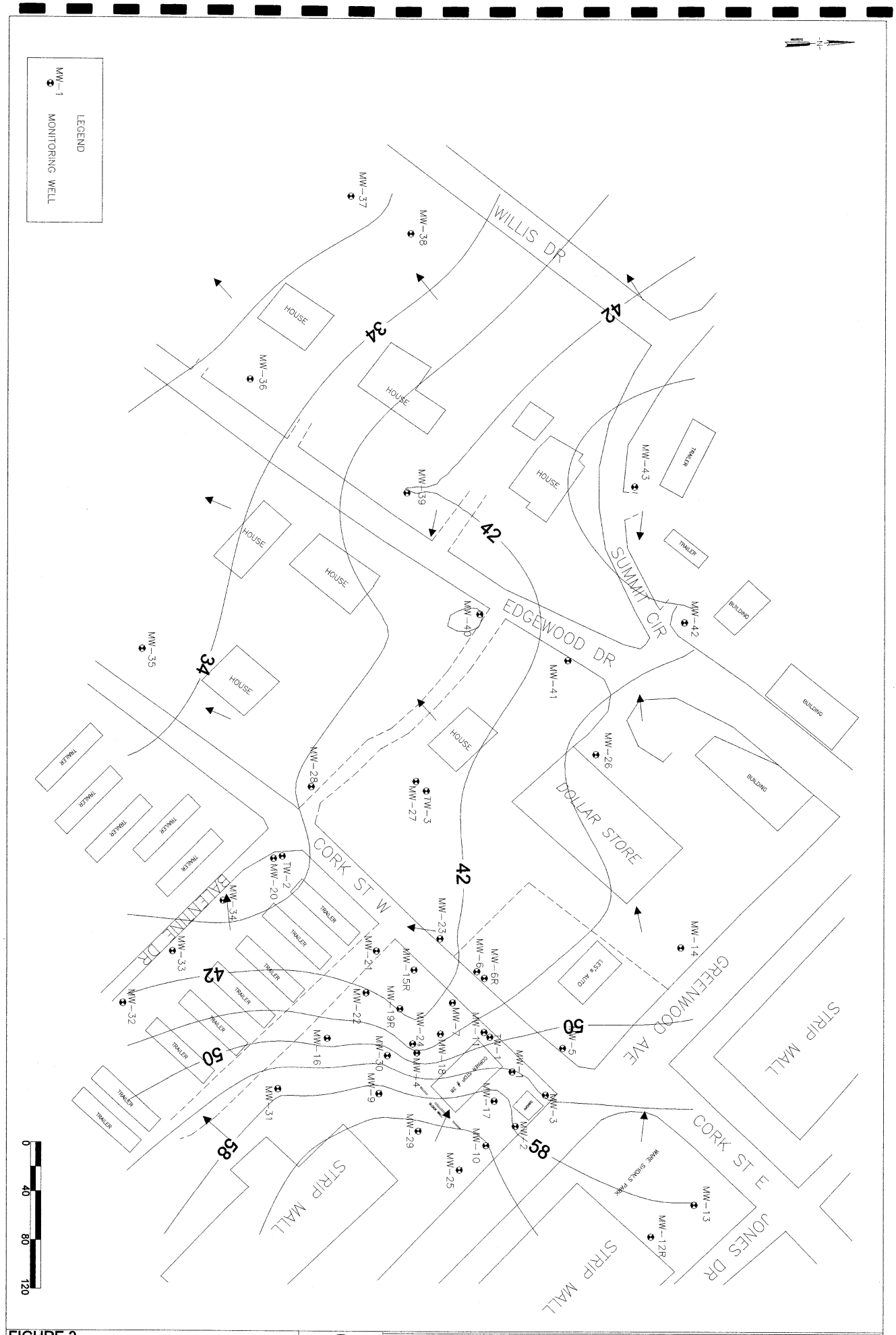
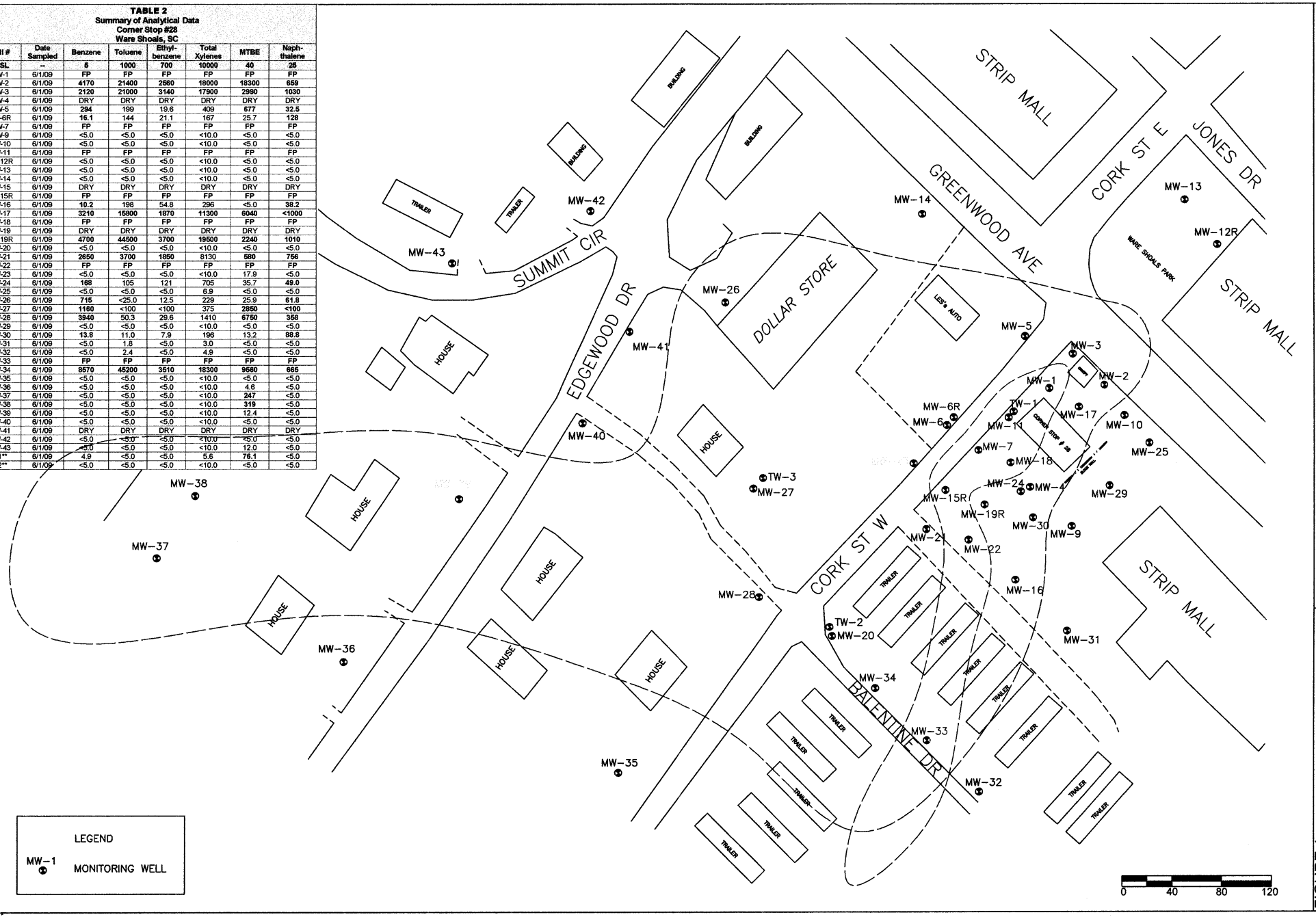


FIGURE 3
PIEZOMETRIC MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

KLM Environmental, LLC
Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

TABLE 2
Summary of Analytical Data
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene
RBSL	--	**5**	**1000**	**700**	**10000**	**40**	**25**
MW-1	6/1/09	FP	FP	FP	FP	FP	FP
MW-2	6/1/09	4170	21400	2660	18000	18300	659
MW-3	6/1/09	2120	21000	3140	17900	2990	1030
MW-4	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY
MW-5	6/1/09	294	199	19.6	409	677	32.5
MW-6R	6/1/09	16.1	144	21.1	167	25.7	128
MW-7	6/1/09	FP	FP	FP	FP	FP	FP
MW-9	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0
MW-10	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0
MW-11	6/1/09	FP	FP	FP	FP	FP	FP
MW-12R	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0
MW-13	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0
MW-14	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0
MW-15	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY
MW-15R	6/1/09	FP	FP	FP	FP	FP	FP
MW-16	6/1/09	10.2	198	54.8	296	<5.0	38.2
MW-17	6/1/09	3210	15800	1870	11300	6040	<1000
MW-18	6/1/09	FP	FP	FP	FP	FP	FP
MW-19	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY
MW-19R	6/1/09	4700	44500	3700	19500	2240	1010
MW-20	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0
MW-21	6/1/09	2650	3700	1850	8130	580	756
MW-22	6/1/09	FP	FP	FP	FP	FP	FP
MW-23	6/1/09	<5.0	<5.0	<5.0	<10.0	17.9	<5.0
MW-24	6/1/09	168	105	121	705	35.7	49.0
MW-25	6/1/09	<5.0	<5.0	<5.0	6.9	<5.0	<5.0
MW-26	6/1/09	715	<25.0	12.5	229	25.9	61.8
MW-27	6/1/09	1160	<100	<100	375	2850	<100
MW-28	6/1/09	3940	50.3	29.6	1410	6750	358
MW-29	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0
MW-30	6/1/09	13.8	11.0	7.9	196	13.2	88.8
MW-31	6/1/09	<5.0	1.8	<5.0	3.0	<5.0	<5.0
MW-32	6/1/09	<5.0	2.4	<5.0	4.9	<5.0	<5.0
MW-33	6/1/09	FP	FP	FP	FP	FP	FP
MW-34	6/1/09	8570	45200	3510	18300	9560	665
MW-35	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0
MW-36	6/1/09	<5.0	<5.0	<5.0	<10.0	4.6	<5.0
MW-37	6/1/09	<5.0	<5.0	<5.0	<10.0	247	<5.0
MW-38	6/1/09	<5.0	<5.0	<5.0	<10.0	319	<5.0
MW-39	6/1/09	<5.0	<5.0	<5.0	<10.0	12.4	<5.0
MW-40	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0
MW-41	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY
MW-42	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0
MW-43	6/1/09	<5.0	<5.0	<5.0	<10.0	12.0	<5.0
T-1**	6/1/09	4.9	<5.0	<5.0	5.6	76.1	<5.0
T-2**	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0



KLM Environmental, LLC
Phase I· Phase II· Underground Storage Tanks· Soil & Water Sampling· Well Installation

FIGURE 4
COC MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

APPENDIX B

AFVR EMISSIONS DATA

Site Location: Corner Stop 28, 717 North Greenwood Ave., Ware Shoals, SC	Date: 3/25/09

Site Conditions: The site was found in good condition, with all areas around the tank basin clean and free of debris. The monitoring wells located on site were in excellent condition as well, with no damage to the pads or wells.

AFVR Contractor: Vacuum Recovery Technologies, LLC	Field Personnel: KLM Environmental, LLC: Wayne Infinger	General Weather Conditions: Cloudy
Ambient Air Temperature: 56 Fahrenheit	Estimated Gallons of Product Removed: 4 gallons	Initial Product Thickness: MW-22 = 0.03
Final Product Thickness: MW-11 = 0.00	AFVR Start Time: 10:30	AFVR End Time: 18.30

Time (Readings Every 30 Minutes)	Recovery Rate Vacuum Inches of Hg	Temp Degrees F	Stack Velocity	Air Emission Conc. Measurements in ppb (Carbon Filter on Exhaust Gas)*
10:30	.21	63.9	3.0	1470
11:00	-21	65.4	3.2	1502
11:30	-21	74.8	2.9	1269
12:00	-21	80.1	2.7	1438
12:30	-21	84.9	3.0	1611
13:00	-21	88.5	2.6	1572
13:30	-21	90.2	3.1	1326
14:00	-21	94.1	2.3	1517
14:30	-21	102.5	2.6	1771
15:00	-21	112.3	2.9	1546
15:30	-21	121.1	3.3	1620
16:00	-21	119.5	3.5	1473
16:30	-21	123.2	3.1	1605
17:00	-21	119.8	2.9	1141
17:30	-21	124.4	3.0	1210
18:00	-21	117.5	3.4	1491
18:30	-21	114.8	3.2	1125

	Start	End
MW-22	60.78 – 60.81	62.11

KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

AFVR Table
Corner Stop 28
717 N. Greenwood Ave.
Ware Shoals, SC
Site ID # 05659 3/25/09

US Water Recovery

Non-Hazardous Wastewater Manifest

Number:

1. Generator's EPA ID# (if applicable):

Waste ID Number:

2. Generator's Name and Mailing Address:
Cornerstop #28

Phone ( )

P O #:

3. Agent of Generator and Mailing Address:
KLM Environmental
PO Box 2704 Goose Creek S.C. 29445

Phone (843) 870-4285

P O #:

4. Transporter Company Name:
Vacuum Recovery Tech
118 Springhall Dr. Suite E Goose Creek S.C. 29445

Phone (843) 906-8759

Truck & Trailer License Number:

5. Transporter U.S. EPA ID#:

6. Facility Name and Site Address:
U S Water Recovery
435 Old Mt. Holly Rd.
Mt. Holly, SC 29445

Phone: (843) 797-8674
Fax: (843) 797-2126

Mailing Address:
U S Water Recovery
511 Old Mt. Holly Rd.
Goose Creek, SC 29445

Phone: (843) 797-3111
Fax: (843) 797-0710

7. Facility U.S. EPA ID#:

Start Level: End Level: Total Gallons: Tank Number

8. U.S. DOT Desciption	Container No.	Container Type	Unit	Quantity
a. Non-Hazardous, non-regulated waste water				380
Youngs #27				38.15
Service Station				24
Fuel Express				177

9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.

Printed/Typed Name: Jason Boots Signature: Jason Boots Date: 3-27-09

10. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: Wayne Infinger Signature: Wayne Infinger Date: 3-27-09

11. Discrepancy indication space:

12. Facility Owner or Operator: Certification of Receipt of Materials

Printed/Typed Name: Daniel Ward Signature: Daniel Ward Date: 3-27-09

White - Facility Yellow - Transporter Pink - Generator

3904

APPENDIX C

Aquifer Calculations

SUMMARY of SLUG TEST

SOUTH CAROLINA
Department of Health and Environmental Control (DHEC)

Site Data

SITE ID# 05659 COUNTY: Greenwood

FACILITY NAME: Corner Stop 28

Slug Data

See Appendix C 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	**MW-28**			
Initial Rise/Drawdown in well (feet)	-0.80			
Radius of Well Casing (feet)	0.08333			
Effective Radius of Well (feet)	0.25			
Static Saturated Aquifer Thickness (feet)	70			
Length of Well Screen (feet)	20			
Static Height of Water Column in Well (feet)	15.15			

Calculations

See Appendix D Table _____ Figure _____ for calculations. (Complete as appropriate).
The method for aquifer calculations was Bouwer-Rice (i.e. Bouwer-Rice, Cooper, etc.)

Calculated values by well were as follows:

Slug Test Conducted in well(s) number	**MW-28**			
Hydraulic Conductivity	0.09209 m/day			

Thickness of the aquifer used to calculate hydraulic conductivity was 70 feet.

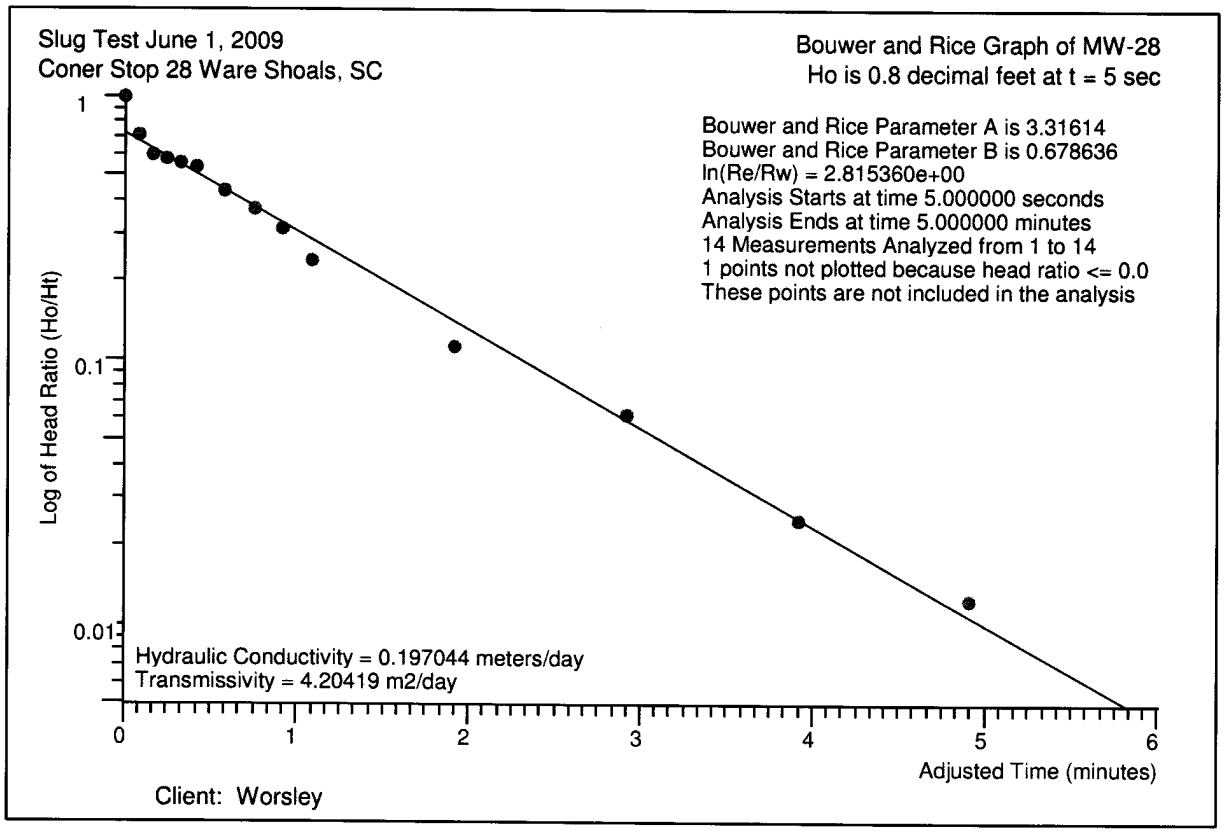
The aquifer is _____ confined _____ semi-confined X water table
(Check as appropriate)

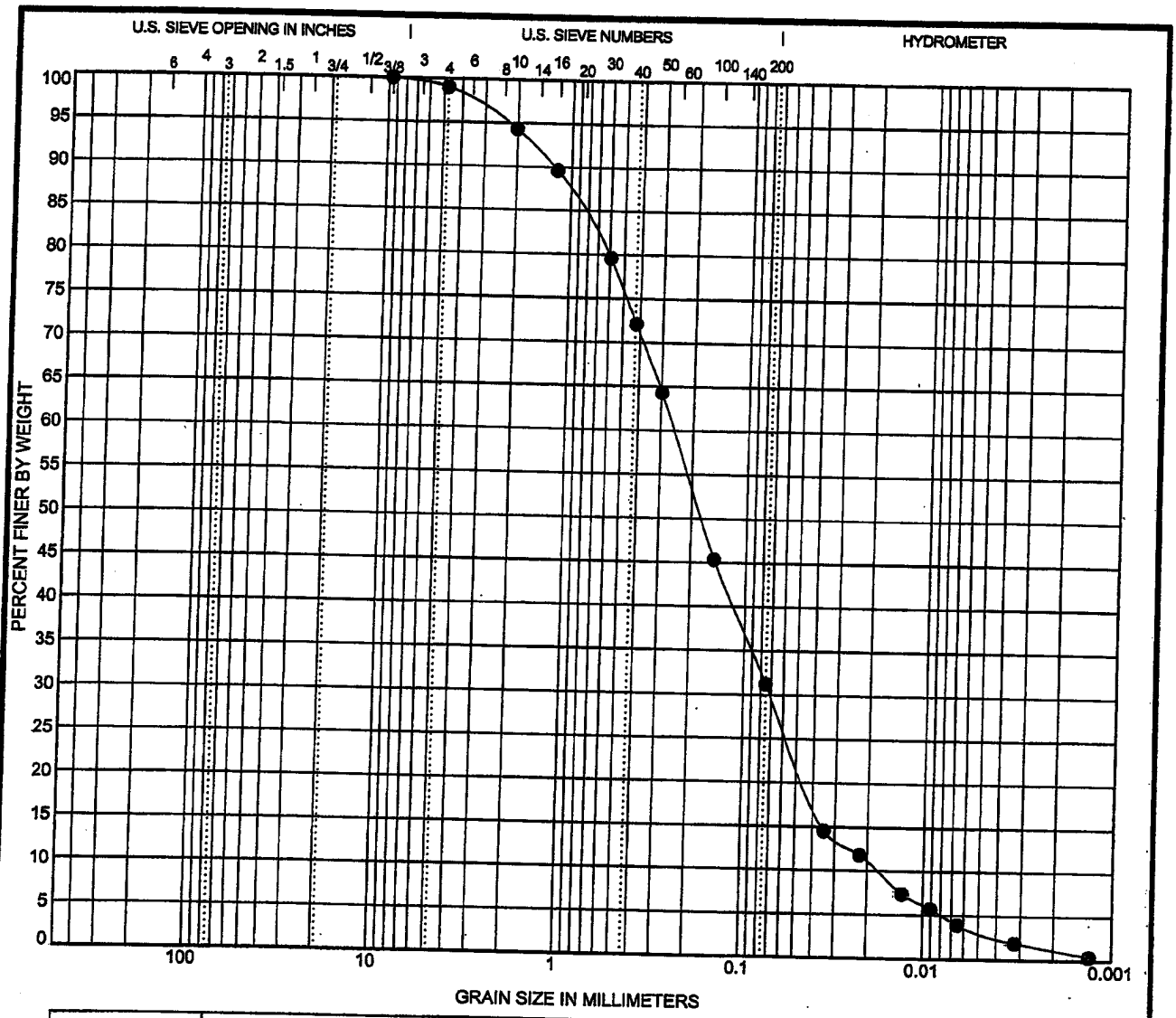
The estimated seepage velocity is 6.447 meters per year based on a hydraulic conductivity of 0.197044 meters/day, a hydraulic gradient of 0.035857 m/m, and a porosity of 40 percent for rock clay and silt soil (list type i.e., silty sand, clay, etc.).

SUMMARY of SLUG TEST

Data from file: C:\SUPER\CS28MW28.SLG
Title: Slug Test
Site Name: Coner Stop 28
Location: Ware Shoals, SC
Client: Worsley
Project Number:
Test Date: June 1, 2009
Well Number: MW-28
Casing Radius: 1 inches
Effective Well Radius: 3 inches
Aquifer Thickness: 70 feet
Water Table to Screen Bottom: 15.15 feet
Screen Length: 20 feet
Static Water Level: 0 decimal feet
K ratio is not entered
There are 15 time and drawdown measurements
Tests starts with trial 1
Time values will be adjusted by 5.78704e-05 days (5.000000 seconds)

Trial	Time (seconds)	Adjusted Time (seconds)	Drawdown (decimal feet)	Head (decimal feet)	Head Ratio
1	5	0	0.8	0.8	1
2	10	5	0.57	0.57	0.7125
3	15	10	0.48	0.48	0.6
4	20	15	0.46	0.46	0.575
5	25	20	0.45	0.45	0.5625
6	30	25	0.43	0.43	0.5375
7	40	35	0.35	0.35	0.4375
8	50	45	0.3	0.3	0.375
9	60	55	0.25	0.25	0.3125
10	70	65	0.19	0.19	0.2375
11	120	115	0.09	0.09	0.1125
12	180	175	0.05	0.05	0.0625
13	240	235	0.02	0.02	0.025
14	300	295	0.01	0.01	0.0125
15	360	355	0	0	0


Slug Test June 1, 2009
Coner Stop 28 Ware Shoals, SC
Bouwer and Rice Graph of MW-28
Ho is 0.8 decimal feet at t = 5 sec
Bouwer and Rice Parameter A is 3.31614
Bouwer and Rice Parameter B is 0.678636
ln(Re/Rw) = 2.815360e+00
Analysis Starts at time 5.000000 seconds
Analysis Ends at time 5.000000 minutes
14 Measurements Analyzed from 1 to 14
1 points not plotted because head ratio <= 0.0
These points are not included in the analysis
Log of Head Ratio (Ho/Ht)
1
0.1
0.01
Hydraulic Conductivity = 0.197044 meters/day
Transmissivity = 4.20419 m2/day
0
1
2
3
4
5
6
Adjusted Time (minutes)
Client: Worsley



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Specimen Identification		Classification	LL	PL	PI	Cc	Cu
●	48	0.0	Gray White Silty SAND				1.12	14.37

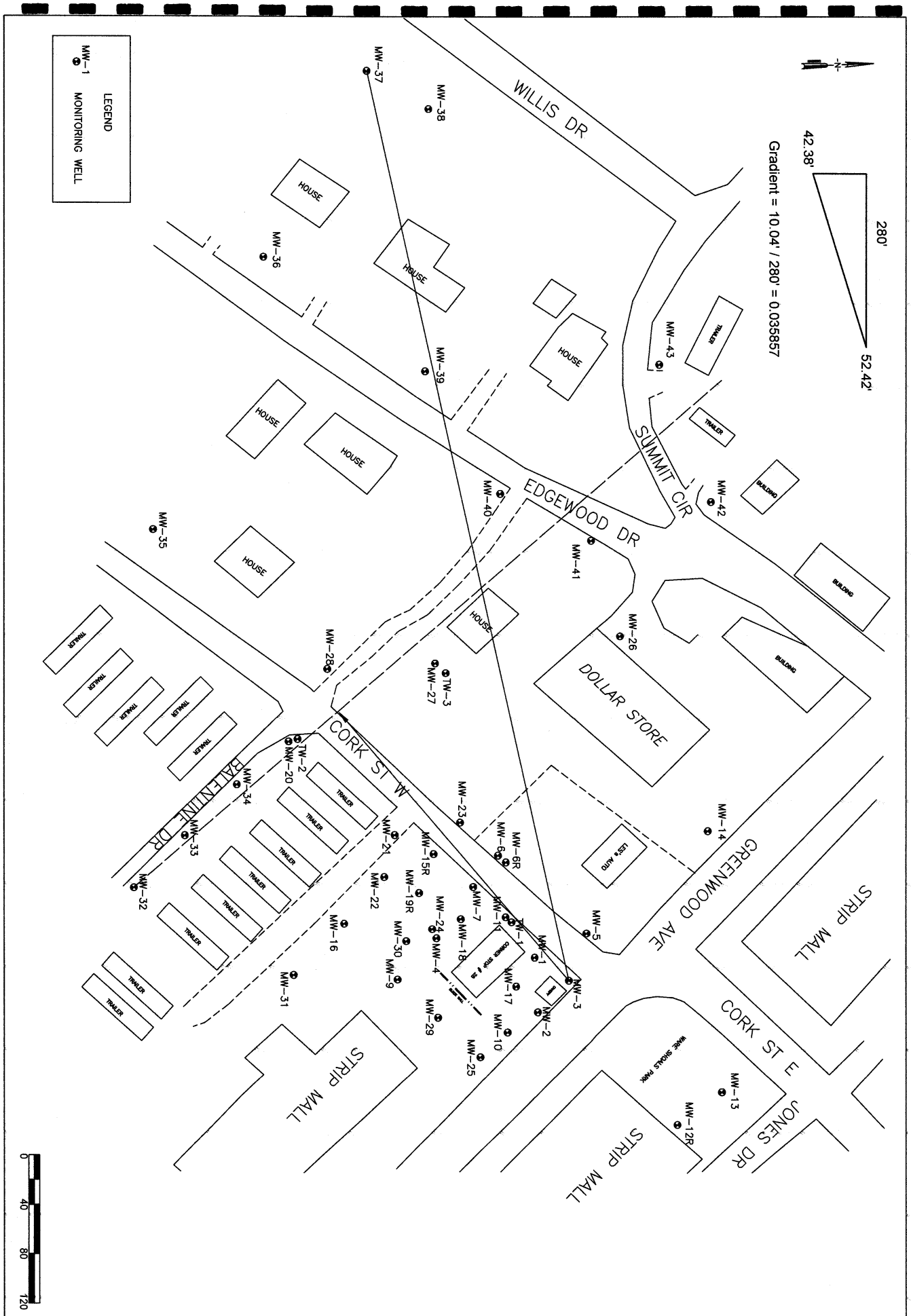
	Specimen Identification		D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	48	0.0	9.52	0.254	0.071	0.018	1.0	67.8	28.0	3.2

psi

GRAIN SIZE DISTRIBUTION

Client: Pace Analytical
Project: Cornerstop 28
Location: MW-15R W.O. #9245050-001
Number: 451-90006-48

US GRAIN SIZE 451-90006.GPJ PSI CORP.GDT 6/4/09



APPENDIX C
GRADIENT CALCULATION
CORNER STOP 28
WARE SHOALS SC SITE # 05659

KLM Environmental, LLC
Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

APPENDIX D

Well Construction Logs

DHEC
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-12R

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

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	15 ft	0 - 15 ft
Gray rock	5 ft	15 - 20 ft
Orange clay	12 ft	20 - 32 ft
Gray rock and orange clay	38 ft	32 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/20//2009 Date Completed: 5/20/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft. depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 ft.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

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

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-15R

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	10 ft	0 - 10 ft
Gray rock	10 ft	10 - 20 ft
Orange clay	30 ft	20 - 50 ft
Gray rock	20 ft	50 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/20//2009 Date Completed: 5/20/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 ft.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

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

DHEC
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-19R

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	10 ft	0 - 8 ft
Gray rock	10 ft	8 - 18 ft
Orange clay	32 ft	18 - 50 ft
Gray rock	20 ft	50 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/20//2009 Date Completed: 5/20/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft. depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 ft.
Effective size #2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

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

DHEC
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-29

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	5 ft	0 - 5 ft
Gray rock	29 ft	5 - 34 ft
Orange clay	7 ft	34 - 41 ft
Gray rock	29 ft	41 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/20//2009 Date Completed: 5/20/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 ft.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A B C D ☒ ☐ ☐ ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

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Name: Worsley Companies, Inc. (last) _____ (first)
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City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-30

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	10 ft	0 - 8 ft
Gray rock	10 ft	8 - 18 ft
Orange clay	32 ft	18 - 50 ft
Gray rock	20 ft	50 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/20//2009 Date Completed: 5/20/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 ft.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A B C D ☒ ☐ ☐ ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

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

DHEC
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-31

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	5 ft	0 - 5 ft
Gray rock	9 ft	5 - 14 ft
Orange clay	30 ft	14 - 44 ft
Gray rock	26 ft	44 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/20//2009 Date Completed: 5/20/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 ft.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

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

DHEC
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: Home:

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER: MW-32

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from ft. to ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	5 ft	0 - 5 ft
Gray rock	17 ft	5 - 22 ft
Orange clay	17 ft	22 - 39 ft
Gray rock	31 ft	39 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) Date Started: 5/20//2009
70 ft. Date Completed: 5/20/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
in. to ft, depth
Height Above ☐ Below ☐ Surface ft
Weight lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
ft. and ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 ft.
Effective size # 2 Uniformity Coefficient

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft. direction
Type
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A B C D ☒ ☐ ☐ ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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: 5/29/2009

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

DHEC 1903 (07/2003)

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

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-33

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	5 ft	0 - 5 ft
Gray rock	17 ft	5 - 22 ft
Orange clay	17 ft	22 - 39 ft
Gray rock	31 ft	39 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/20//2009 Date Completed: 5/20/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 lt.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

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

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-34

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	5 ft	0 - 5 ft
Gray rock	17 ft	5 - 22 ft
Orange clay	17 ft	22 - 39 ft
Gray rock	31 ft	39 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/20//2009 Date Completed: 5/20/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 lt.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

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

DHEC
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-35

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	5 ft	0 - 5 ft
Gray rock	15 ft	5 - 20 ft
Orange clay	19 ft	20 - 39 ft
Gray rock	31 ft	39 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/20//2009 Date Completed: 5/20/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 lt.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

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

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. _____ (last) (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-36

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	11 ft	0 - 11 ft
Gray rock	15 ft	11 - 26 ft
Orange clay	16 ft	26 - 42 ft
Gray rock	28 ft	42 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/20//2009 Date Completed: 5/20/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 lt.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A B C D ☒ ☐ ☐ ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

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

DHEC
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. _____ (last) (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-37

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	10 ft	0 - 10 ft
Gray rock	17 ft	10 - 27 ft
Orange clay	15 ft	27 - 42 ft
Gray rock	28 ft	42 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/20//2009 Date Completed: 5/20/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 lt.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

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

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-38

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	13 ft	0 - 13 ft
Gray rock	14 ft	13 - 27 ft
Orange clay	15 ft	27 - 42 ft
Gray rock	28 ft	42 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/20//2009 Date Completed: 5/20/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 lt.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

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

DHEC
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: Home:

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER: MW-39

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from ____ ft. to ____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	15 ft	0 - 15 ft
Gray rock	15 ft	15 - 30 ft
Orange clay	15 ft	30 - 45 ft
Gray rock	25 ft	45 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/21//2009 Date Completed: 5/21/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
____ in. to ____ ft, depth
Height Above ☐ Below ☐ Surface ____ ft
Weight ____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2 "
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
____ ft. and ____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 lt.
Effective size # 2 Uniformity Coefficient ____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other ____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type ____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A B C D
☒ ☐ ☐ ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: ____ Date: 5/29/2009
Well Driller

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

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

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-40

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	15 ft	0 - 15 ft
Gray rock	15 ft	15 - 30 ft
Orange clay	15 ft	30 - 45 ft
Gray rock	25 ft	45 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/21//2009 Date Completed: 5/21/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 ft.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A B C D ☒ ☐ ☐ ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

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

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. _____ (last) (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-41

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	15 ft	0 - 15 ft
Gray rock	15 ft	15 - 30 ft
Orange clay	15 ft	30 - 45 ft
Gray rock	25 ft	45 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/21//2009 Date Completed: 5/21/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL _____ 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 48 ft. to 70 ft.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A B C D ☒ ☐ ☐ ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

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

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-42

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	14 ft	0 - 14 ft
Gray rock	19 ft	14 - 33 ft
Orange clay	17 ft	33 - 50 ft
Gray rock	20 ft	50 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/21//2009 Date Completed: 5/21/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 ft.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A B C D ☒ ☐ ☐ ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

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

DHEC
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-43

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	14 ft	0 - 14 ft
Gray rock	19 ft	14 - 33 ft
Orange clay	17 ft	33 - 50 ft
Gray rock	20 ft	50 - 70 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 70 ft. Date Started: 5/21//2009 Date Completed: 5/21/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 50 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 50 ft. and 70 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL approx. 60 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 48 ft. to 70 lt.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 35 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

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

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28406
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: T-3

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tanish orange silty clay	8 ft	0 - 8 ft
Gray rock	19 ft	8 - 27 ft
Orange clay	16 ft	27 - 43 ft
Gray rock	47	43 - 90 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-22459

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

9. WELL DEPTH (completed) 90 ft. Date Started: 5/20//2009 Date Completed: 5/21/2009

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
6 in. to 75 ft. depth
2 in. to 85 ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 5 ft
Set Between: 85 ft. and 90 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL _____ 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 83 ft. to 90 lt.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 80 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 5/29/2009
Well Driller

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

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

APPENDIX E

Laboratory Data

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Huntersville, NC 28078
(704)875-9092

June 15, 2009

Mr. Mark Keller
KLM Environmental
PO Box 2704
Goose Creek, SC 29445

RE: Project: CORNER STOP 28
Pace Project No.: 9245462

Dear Mr. Keller:
Enclosed are the analytical results for sample(s) received by the laboratory on June 02, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

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

Sincerely,

Kevin Herring

Kevin Herring

kevin.herring@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: CORNER STOP 28
Pace Project No.: 9245462

Charlotte Certification IDs

West Virginia Certification #: 357
Virginia Certification #: 00213
Tennessee Certification #: 04010
South Carolina Drinking Water Cert. #: 990060003
South Carolina Certification #: 990060001
Pennsylvania Certification #: 68-00784
Connecticut Certification #: PH-0104
North Carolina Field Services Certification #: 5342
North Carolina Drinking Water Certification #: 37706
New Jersey Certification #: NC012
Louisiana/LELAP Certification #: 04034
Kentucky UST Certification #: 84
Florida/NELAP Certification #: E87627
North Carolina Wastewater Certification #: 12

Asheville Certification IDs

West Virginia Certification #: 356
Virginia Certification #: 00072
Connecticut Certification #: PH-0106
Florida/NELAP Certification #: E87648
Tennessee Certification #: 2980
South Carolina Certification #: 99030001
South Carolina Bioassay Certification #: 99030002
Pennsylvania Certification #: 68-03578
North Carolina Wastewater Certification #: 40
North Carolina Drinking Water Certification #: 37712
North Carolina Bioassay Certification #: 9
New Jersey Certification #: NC011
Massachusetts Certification #: M-NC030
Louisiana/LELAP Certification #: 03095

Eden Certification IDs

North Carolina Wastewater Certification #: 633
Virginia Drinking Water Certification #: 00424
North Carolina Drinking Water Certification #: 37738

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SAMPLE SUMMARY

Project: CORNER STOP 28
Pace Project No.: 9245462

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9245462001	MW-2	Water	06/01/09 11:20	06/02/09 09:30
9245462002	MW-3	Water	06/01/09 11:40	06/02/09 09:30
9245462003	MW-5	Water	06/01/09 13:40	06/02/09 09:30
9245462004	MW-6R	Water	06/01/09 13:50	06/02/09 09:30
9245462005	MW-9	Water	06/01/09 11:00	06/02/09 09:30
9245462006	MW-10	Water	06/01/09 11:10	06/02/09 09:30
9245462007	MW-13	Water	06/01/09 13:30	06/02/09 09:30
9245462008	MW-14	Water	06/01/09 12:10	06/02/09 09:30
9245462009	MW-16	Water	06/01/09 12:40	06/02/09 09:30
9245462010	MW-17	Water	06/01/09 11:30	06/02/09 09:30
9245462011	MW-20	Water	06/01/09 13:20	06/02/09 09:30
9245462012	MW-21	Water	06/01/09 12:50	06/02/09 09:30
9245462013	MW-23	Water	06/01/09 14:00	06/02/09 09:30
9245462014	MW-24	Water	06/01/09 12:20	06/02/09 09:30
9245462015	MW-25	Water	06/01/09 10:40	06/02/09 09:30
9245462016	MW-26	Water	06/01/09 12:00	06/02/09 09:30
9245462017	MW-27	Water	06/01/09 14:50	06/02/09 09:30
9245462018	MW-28	Water	06/01/09 15:00	06/02/09 09:30
9245462019	T-1	Water	06/01/09 14:20	06/02/09 09:30
9245462020	T-2	Water	06/01/09 13:00	06/02/09 09:30
9245462021	MW-12R	Water	06/01/09 13:10	06/02/09 09:30
9245462022	MW-19R	Water	06/01/09 12:00	06/02/09 09:30
9245462023	MW-29	Water	06/01/09 10:50	06/02/09 09:30
9245462024	MW-30	Water	06/01/09 12:30	06/02/09 09:30
9245462025	MW-31	Water	06/01/09 12:50	06/02/09 09:30
9245462026	MW-32	Water	06/01/09 13:40	06/02/09 09:30
9245462027	MW-34	Water	06/01/09 13:30	06/02/09 09:30
9245462028	MW-35	Water	06/01/09 11:00	06/02/09 09:30
9245462029	MW-36	Water	06/01/09 10:50	06/02/09 09:30
9245462030	MW-37	Water	06/01/09 10:30	06/02/09 09:30
9245462031	MW-38	Water	06/01/09 10:40	06/02/09 09:30
9245462032	MW-39	Water	06/01/09 11:10	06/02/09 09:30
9245462033	MW-40	Water	06/01/09 11:40	06/02/09 09:30
9245462034	MW-42	Water	06/01/09 11:30	06/02/09 09:30
9245462035	MW-43	Water	06/01/09 11:40	06/02/09 09:30
9245462036	T-3	Water	06/01/09 14:40	06/02/09 09:30

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SAMPLE ANALYTE COUNT

Project: CORNER STOP 28
Pace Project No.: 9245462

Lab ID	Sample ID	Method	Analysts	Analytes Reported
9245462001	MW-2	EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	MCK	21
9245462002	MW-3	EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	DLK	21
9245462003	MW-5	EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	MCK	21
9245462004	MW-6R	EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	DLK	21
9245462005	MW-9	EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	DLK	21
9245462006	MW-10	EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	DLK	21
9245462007	MW-13	EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	DLK	21
9245462008	MW-14	EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	MCK	21
9245462009	MW-16	EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	MCK	21
9245462010	MW-17	EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	DLK	21
9245462011	MW-20	EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	MCK	21
9245462012	MW-21	EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	MCK	21
9245462013	MW-23	EPA 6010	EWS	1

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SAMPLE ANALYTE COUNT

Project: CORNER STOP 28
Pace Project No.: 9245462

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 8011	CAH	2
		EPA 8260	MCK	21
9245462014	**MW-24**	EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	MCK	21
9245462015	**MW-25**	EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	MCK	21
9245462016	**MW-26**	EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	DLK	21
9245462017	**MW-27**	EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	DLK	21
9245462018	**MW-28**	EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	MCK	21
9245462019	**T-1**	EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	DLK	21
9245462020	**T-2**	EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	DLK	21
9245462021	**MW-12R**	EPA 353.2	DMN	1
		EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	MCK	21
		SM 3500-Fe D#4	JMW	1
9245462022	**MW-19R**	EPA 353.2	DMN	1
		EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	MCK	21
		SM 3500-Fe D#4	JMW	1
9245462023	**MW-29**	EPA 353.2	DMN	1
		EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	MCK	21

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SAMPLE ANALYTE COUNT

Project: CORNER STOP 28
Pace Project No.: 9245462

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		SM 3500-Fe D#4	JMW	1
9245462024	**MW-30**	EPA 353.2	DMN	1
		EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	DLK	21
		SM 3500-Fe D#4	JMW	1
9245462025	**MW-31**	EPA 353.2	DMN	1
		EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	MCK	21
		SM 3500-Fe D#4	JMW	1
9245462026	**MW-32**	EPA 353.2	DMN	1
		EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	MCK	21
		SM 3500-Fe D#4	JMW	1
9245462027	**MW-34**	EPA 353.2	DMN	1
		EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	DLK	21
		SM 3500-Fe D#4	JMW	1
9245462028	**MW-35**	EPA 353.2	DMN	1
		EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	MCK	21
		SM 3500-Fe D#4	JMW	1
9245462029	**MW-36**	EPA 353.2	DMN	1
		EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	MCK	21
		SM 3500-Fe D#4	JMW	1
9245462030	**MW-37**	EPA 353.2	DMN	1
		EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	MCK	21
		SM 3500-Fe D#4	JMW	1
9245462031	**MW-38**	EPA 353.2	DMN	1

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SAMPLE ANALYTE COUNT

Project: CORNER STOP 28
Pace Project No.: 9245462

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	MCK	21
		SM 3500-Fe D#4	JMW	1
9245462032	**MW-39**	EPA 353.2	DMN	1
		EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	MCK	21
		SM 3500-Fe D#4	JMW	1
9245462033	**MW-40**	EPA 353.2	DMN	1
		EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	MCK	21
		SM 3500-Fe D#4	JMW	1
9245462034	**MW-42**	EPA 353.2	DMN	1
		EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	DLK	21
		SM 3500-Fe D#4	JMW	1
9245462035	**MW-43**	EPA 353.2	DMN	1
		EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	DLK	21
		SM 3500-Fe D#4	JMW	1
9245462036	**T-3**	EPA 353.2	DMN	1
		EPA 6010	EWS	1
		EPA 8011	CAH	2
		EPA 8260	DLK	21
		SM 3500-Fe D#4	JMW	1

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: MW-2 **Lab ID: 9245462001** Collected: 06/01/09 11:20 Received: 06/02/09 09:30 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)	**54.8**	ug/L	1.9	1.9	100	06/04/09 16:04	06/08/09 16:21	106-93-4	
1-Chloro-2-bromopropane (S)	0	%	60-140		100	06/04/09 16:04	06/08/09 16:21	301-79-56	S4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**16.7**	ug/L	5.0	4.0	1	06/03/09 16:05	06/08/09 12:41	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	20000	12400	200		06/10/09 08:04	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	900	200		06/10/09 08:04	994-05-8	
Benzene	**4170**	ug/L	1000	240	200		06/10/09 08:04	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	9600	200		06/10/09 08:04	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	5400	200		06/10/09 08:04	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	1800	200		06/10/09 08:04	762-75-4	
1,2-Dichloroethane	ND	ug/L	1000	260	200		06/10/09 08:04	107-06-2	
Diisopropyl ether	**1190**	ug/L	1000	540	200		06/10/09 08:04	108-20-3	
Ethanol	ND	ug/L	40000	34000	200		06/10/09 08:04	64-17-5	
Ethylbenzene	**2560**	ug/L	1000	220	200		06/10/09 08:04	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	920	200		06/10/09 08:04	637-92-3	
Methyl-tert-butyl ether	**18300**	ug/L	1000	400	200		06/10/09 08:04	1634-04-4	
Naphthalene	**659J**	ug/L	1000	580	200		06/10/09 08:04	91-20-3	
Toluene	**21400**	ug/L	1000	360	200		06/10/09 08:04	108-88-3	
Xylene (Total)	**18000**	ug/L	2000	540	200		06/10/09 08:04	1330-20-7	
m&p-Xylene	**11600**	ug/L	2000	540	200		06/10/09 08:04	1330-20-7	
o-Xylene	**6440**	ug/L	1000	340	200		06/10/09 08:04	95-47-6	
Dibromofluoromethane (S)	107	%	85-115		200		06/10/09 08:04	1868-53-7	
Toluene-d8 (S)	103	%	70-120		200		06/10/09 08:04	2037-26-5	
4-Bromofluorobenzene (S)	94	%	87-109		200		06/10/09 08:04	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	79-120		200		06/10/09 08:04	17060-07-0	

Sample: MW-3 **Lab ID: 9245462002** Collected: 06/01/09 11:40 Received: 06/02/09 09:30 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)	**9.7**	ug/L	0.19	0.19	10	06/04/09 16:04	06/08/09 16:35	106-93-4	
1-Chloro-2-bromopropane (S)	0	%	60-140		10	06/04/09 16:04	06/08/09 16:35	301-79-56	S4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**111**	ug/L	5.0	4.0	1	06/03/09 16:05	06/08/09 12:44	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**1830**	ug/L	100	62.0	1		06/10/09 04:20	75-85-4	
tert-Amylmethyl ether	**100**	ug/L	10.0	4.5	1		06/10/09 04:20	994-05-8	
Benzene	**2120**	ug/L	1000	240	200		06/12/09 05:50	71-43-2	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: MW-3 **Lab ID: 9245462002** Collected: 06/01/09 11:40 Received: 06/02/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
3,3-Dimethyl-1-Butanol	ND	ug/L	100	48.0	1		06/10/09 04:20	624-95-3	
tert-Butyl Alcohol	**382**	ug/L	100	27.0	1		06/10/09 04:20	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	9.0	1		06/10/09 04:20	762-75-4	
1,2-Dichloroethane	**17.5**	ug/L	5.0	1.3	1		06/10/09 04:20	107-06-2	
Diisopropyl ether	**290**	ug/L	5.0	2.7	1		06/10/09 04:20	108-20-3	E
Ethanol	ND	ug/L	200	170	1		06/10/09 04:20	64-17-5	
Ethylbenzene	**3140**	ug/L	1000	220	200		06/12/09 05:50	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	4.6	1		06/10/09 04:20	637-92-3	
Methyl-tert-butyl ether	**2990**	ug/L	1000	400	200		06/12/09 05:50	1634-04-4	
Naphthalene	**1030**	ug/L	5.0	2.9	1		06/10/09 04:20	91-20-3	E
Toluene	**21000**	ug/L	1000	360	200		06/12/09 05:50	108-88-3	
Xylene (Total)	**17900**	ug/L	2000	540	200		06/12/09 05:50	1330-20-7	
m&p-Xylene	**12400**	ug/L	2000	540	200		06/12/09 05:50	1330-20-7	
o-Xylene	**5440**	ug/L	1000	340	200		06/12/09 05:50	95-47-6	
Dibromofluoromethane (S)	91	%	85-115		1		06/10/09 04:20	1868-53-7	
Toluene-d8 (S)	90	%	70-120		1		06/10/09 04:20	2037-26-5	
4-Bromofluorobenzene (S)	109	%	87-109		1		06/10/09 04:20	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	79-120		1		06/10/09 04:20	17060-07-0	

Sample: MW-5 **Lab ID: 9245462003** Collected: 06/01/09 13:40 Received: 06/02/09 09:30 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	06/04/09 16:04	06/07/09 17:02	106-93-4	
1-Chloro-2-bromopropane (S)	95	%	60-140		1	06/04/09 16:04	06/07/09 17:02	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	06/03/09 16:05	06/08/09 12:48	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**207**	ug/L	200	124	2		06/10/09 14:32	75-85-4	
tert-Amylmethyl ether	**43.3**	ug/L	20.0	9.0	2		06/10/09 14:32	994-05-8	
Benzene	**294**	ug/L	50.0	12.0	10		06/11/09 18:01	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	200	96.0	2		06/10/09 14:32	624-95-3	
tert-Butyl Alcohol	ND	ug/L	200	54.0	2		06/10/09 14:32	75-65-0	
tert-Butyl Formate	ND	ug/L	100	18.0	2		06/10/09 14:32	762-75-4	
1,2-Dichloroethane	ND	ug/L	10.0	2.6	2		06/10/09 14:32	107-06-2	
Diisopropyl ether	**191**	ug/L	10.0	5.4	2		06/10/09 14:32	108-20-3	
Ethanol	ND	ug/L	400	340	2		06/10/09 14:32	64-17-5	
Ethylbenzene	**19.6**	ug/L	10.0	2.2	2		06/10/09 14:32	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	20.0	9.2	2		06/10/09 14:32	637-92-3	
Methyl-tert-butyl ether	**677**	ug/L	50.0	20.0	10		06/11/09 18:01	1634-04-4	
Naphthalene	**32.5**	ug/L	10.0	5.8	2		06/10/09 14:32	91-20-3	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: MW-5 **Lab ID: 9245462003** Collected: 06/01/09 13:40 Received: 06/02/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Toluene	**199**	ug/L	10.0	3.6	2		06/10/09 14:32	108-88-3	
Xylene (Total)	**409**	ug/L	20.0	5.4	2		06/10/09 14:32	1330-20-7	
m&p-Xylene	**292**	ug/L	20.0	5.4	2		06/10/09 14:32	1330-20-7	
o-Xylene	**117**	ug/L	10.0	3.4	2		06/10/09 14:32	95-47-6	
Dibromofluoromethane (S)	106	%	85-115		2		06/10/09 14:32	1868-53-7	
Toluene-d8 (S)	99	%	70-120		2		06/10/09 14:32	2037-26-5	
4-Bromofluorobenzene (S)	96	%	87-109		2		06/10/09 14:32	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	79-120		2		06/10/09 14:32	17060-07-0	

Sample: MW-6R **Lab ID: 9245462004** Collected: 06/01/09 13:50 Received: 06/02/09 09:30 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	06/04/09 16:04	06/07/09 17:15	106-93-4	
1-Chloro-2-bromopropane (S)	108	%	60-140		1	06/04/09 16:04	06/07/09 17:15	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**8.1**	ug/L	5.0	4.0	1	06/03/09 16:05	06/08/09 12:51	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**330**	ug/L	100	62.0	1		06/10/09 04:38	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	4.5	1		06/10/09 04:38	994-05-8	
Benzene	**16.1**	ug/L	5.0	1.2	1		06/10/09 04:38	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	48.0	1		06/10/09 04:38	624-95-3	
tert-Butyl Alcohol	**187**	ug/L	100	27.0	1		06/10/09 04:38	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	9.0	1		06/10/09 04:38	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		06/10/09 04:38	107-06-2	
Diisopropyl ether	**19.5**	ug/L	5.0	2.7	1		06/10/09 04:38	108-20-3	
Ethanol	ND	ug/L	200	170	1		06/10/09 04:38	64-17-5	
Ethylbenzene	**21.1**	ug/L	5.0	1.1	1		06/10/09 04:38	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	4.6	1		06/10/09 04:38	637-92-3	
Methyl-tert-butyl ether	**25.7**	ug/L	5.0	2.0	1		06/10/09 04:38	1634-04-4	
Naphthalene	**128**	ug/L	5.0	2.9	1		06/10/09 04:38	91-20-3	
Toluene	**144**	ug/L	5.0	1.8	1		06/10/09 04:38	108-88-3	
Xylene (Total)	**167**	ug/L	10.0	2.7	1		06/10/09 04:38	1330-20-7	
m&p-Xylene	**107**	ug/L	10.0	2.7	1		06/10/09 04:38	1330-20-7	
o-Xylene	**60.1**	ug/L	5.0	1.7	1		06/10/09 04:38	95-47-6	
Dibromofluoromethane (S)	95	%	85-115		1		06/10/09 04:38	1868-53-7	
Toluene-d8 (S)	98	%	70-120		1		06/10/09 04:38	2037-26-5	
4-Bromofluorobenzene (S)	91	%	87-109		1		06/10/09 04:38	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	79-120		1		06/10/09 04:38	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: MW-9 **Lab ID: 9245462005** Collected: 06/01/09 11:00 Received: 06/02/09 09:30 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	06/04/09 16:04	06/07/09 17:29	106-93-4	
1-Chloro-2-bromopropane (S)	93	%	60-140		1	06/04/09 16:04	06/07/09 17:29	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	06/03/09 16:05	06/08/09 12:55	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	62.0	1		06/11/09 02:43	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	4.5	1		06/11/09 02:43	994-05-8	
Benzene	ND	ug/L	5.0	1.2	1		06/11/09 02:43	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	48.0	1		06/11/09 02:43	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.0	1		06/11/09 02:43	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	9.0	1		06/11/09 02:43	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		06/11/09 02:43	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	2.7	1		06/11/09 02:43	108-20-3	
Ethanol	ND	ug/L	200	170	1		06/11/09 02:43	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.1	1		06/11/09 02:43	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	4.6	1		06/11/09 02:43	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.0	1		06/11/09 02:43	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.9	1		06/11/09 02:43	91-20-3	
Toluene	ND	ug/L	5.0	1.8	1		06/11/09 02:43	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/11/09 02:43	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	2.7	1		06/11/09 02:43	1330-20-7	
o-Xylene	ND	ug/L	5.0	1.7	1		06/11/09 02:43	95-47-6	
Dibromofluoromethane (S)	101	%	85-115		1		06/11/09 02:43	1868-53-7	
Toluene-d8 (S)	101	%	70-120		1		06/11/09 02:43	2037-26-5	
4-Bromofluorobenzene (S)	93	%	87-109		1		06/11/09 02:43	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	79-120		1		06/11/09 02:43	17060-07-0	

Sample: MW-10 **Lab ID: 9245462006** Collected: 06/01/09 11:10 Received: 06/02/09 09:30 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	06/04/09 16:05	06/07/09 17:42	106-93-4	
1-Chloro-2-bromopropane (S)	123	%	60-140		1	06/04/09 16:05	06/07/09 17:42	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	06/03/09 16:05	06/08/09 12:58	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	62.0	1		06/11/09 03:01	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	4.5	1		06/11/09 03:01	994-05-8	
Benzene	ND	ug/L	5.0	1.2	1		06/11/09 03:01	71-43-2	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: MW-10 **Lab ID: 9245462006** Collected: 06/01/09 11:10 Received: 06/02/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
3,3-Dimethyl-1-Butanol	ND	ug/L	100	48.0	1		06/11/09 03:01	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.0	1		06/11/09 03:01	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	9.0	1		06/11/09 03:01	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		06/11/09 03:01	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	2.7	1		06/11/09 03:01	108-20-3	
Ethanol	ND	ug/L	200	170	1		06/11/09 03:01	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.1	1		06/11/09 03:01	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	4.6	1		06/11/09 03:01	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.0	1		06/11/09 03:01	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.9	1		06/11/09 03:01	91-20-3	
Toluene	ND	ug/L	5.0	1.8	1		06/11/09 03:01	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/11/09 03:01	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	2.7	1		06/11/09 03:01	1330-20-7	
o-Xylene	ND	ug/L	5.0	1.7	1		06/11/09 03:01	95-47-6	
Dibromofluoromethane (S)	98	%	85-115		1		06/11/09 03:01	1868-53-7	
Toluene-d8 (S)	101	%	70-120		1		06/11/09 03:01	2037-26-5	
4-Bromofluorobenzene (S)	96	%	87-109		1		06/11/09 03:01	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	79-120		1		06/11/09 03:01	17060-07-0	

Sample: MW-13 **Lab ID: 9245462007** Collected: 06/01/09 13:30 Received: 06/02/09 09:30 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	06/04/09 16:05	06/07/09 17:56	106-93-4	
1-Chloro-2-bromopropane (S)	102	%	60-140		1	06/04/09 16:05	06/07/09 17:56	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	06/03/09 16:05	06/08/09 13:01	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	62.0	1		06/10/09 08:04	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	4.5	1		06/10/09 08:04	994-05-8	
Benzene	ND	ug/L	5.0	1.2	1		06/10/09 08:04	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	48.0	1		06/10/09 08:04	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.0	1		06/10/09 08:04	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	9.0	1		06/10/09 08:04	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		06/10/09 08:04	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	2.7	1		06/10/09 08:04	108-20-3	
Ethanol	ND	ug/L	200	170	1		06/10/09 08:04	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.1	1		06/10/09 08:04	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	4.6	1		06/10/09 08:04	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.0	1		06/10/09 08:04	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.9	1		06/10/09 08:04	91-20-3	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: MW-13 **Lab ID: 9245462007** Collected: 06/01/09 13:30 Received: 06/02/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Toluene	ND	ug/L	5.0	1.8	1		06/10/09 08:04	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/10/09 08:04	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	2.7	1		06/10/09 08:04	1330-20-7	
o-Xylene	ND	ug/L	5.0	1.7	1		06/10/09 08:04	95-47-6	
Dibromofluoromethane (S)	97	%	85-115		1		06/10/09 08:04	1868-53-7	
Toluene-d8 (S)	101	%	70-120		1		06/10/09 08:04	2037-26-5	
4-Bromofluorobenzene (S)	92	%	87-109		1		06/10/09 08:04	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	79-120		1		06/10/09 08:04	17060-07-0	

Sample: MW-14 **Lab ID: 9245462008** Collected: 06/01/09 12:10 Received: 06/02/09 09:30 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	06/04/09 16:05	06/07/09 18:09	106-93-4	
1-Chloro-2-bromopropane (S)	95	%	60-140		1	06/04/09 16:05	06/07/09 18:09	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**11.4**	ug/L	5.0	4.0	1	06/03/09 16:05	06/08/09 13:04	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	62.0	1		06/12/09 12:18	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	4.5	1		06/12/09 12:18	994-05-8	
Benzene	ND	ug/L	5.0	1.2	1		06/12/09 12:18	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	48.0	1		06/12/09 12:18	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.0	1		06/12/09 12:18	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	9.0	1		06/12/09 12:18	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		06/12/09 12:18	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	2.7	1		06/12/09 12:18	108-20-3	
Ethanol	ND	ug/L	200	170	1		06/12/09 12:18	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.1	1		06/12/09 12:18	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	4.6	1		06/12/09 12:18	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.0	1		06/12/09 12:18	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.9	1		06/12/09 12:18	91-20-3	
Toluene	ND	ug/L	5.0	1.8	1		06/12/09 12:18	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/12/09 12:18	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	2.7	1		06/12/09 12:18	1330-20-7	
o-Xylene	ND	ug/L	5.0	1.7	1		06/12/09 12:18	95-47-6	
Dibromofluoromethane (S)	102	%	85-115		1		06/12/09 12:18	1868-53-7	
Toluene-d8 (S)	100	%	70-120		1		06/12/09 12:18	2037-26-5	
4-Bromofluorobenzene (S)	101	%	87-109		1		06/12/09 12:18	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	79-120		1		06/12/09 12:18	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: MW-16 **Lab ID: 9245462009** Collected: 06/01/09 12:40 Received: 06/02/09 09:30 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	06/04/09 16:05	06/07/09 18:23	106-93-4	
1-Chloro-2-bromopropane (S)	104	%	60-140		1	06/04/09 16:05	06/07/09 18:23	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	06/03/09 16:05	06/08/09 13:17	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	62.0	1		06/10/09 16:12	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	4.5	1		06/10/09 16:12	994-05-8	
Benzene	**10.2**	ug/L	5.0	1.2	1		06/10/09 16:12	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	48.0	1		06/10/09 16:12	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.0	1		06/10/09 16:12	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	9.0	1		06/10/09 16:12	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		06/10/09 16:12	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	2.7	1		06/10/09 16:12	108-20-3	
Ethanol	ND	ug/L	200	170	1		06/10/09 16:12	64-17-5	
Ethylbenzene	**54.8**	ug/L	5.0	1.1	1		06/10/09 16:12	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	4.6	1		06/10/09 16:12	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.0	1		06/10/09 16:12	1634-04-4	
Naphthalene	**38.2**	ug/L	5.0	2.9	1		06/10/09 16:12	91-20-3	
Toluene	**198**	ug/L	5.0	1.8	1		06/10/09 16:12	108-88-3	
Xylene (Total)	**296**	ug/L	10.0	2.7	1		06/10/09 16:12	1330-20-7	
m&p-Xylene	**203**	ug/L	10.0	2.7	1		06/10/09 16:12	1330-20-7	
o-Xylene	**93.0**	ug/L	5.0	1.7	1		06/10/09 16:12	95-47-6	
Dibromofluoromethane (S)	104	%	85-115		1		06/10/09 16:12	1868-53-7	
Toluene-d8 (S)	100	%	70-120		1		06/10/09 16:12	2037-26-5	
4-Bromofluorobenzene (S)	99	%	87-109		1		06/10/09 16:12	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	79-120		1		06/10/09 16:12	17060-07-0	

Sample: MW-17 **Lab ID: 9245462010** Collected: 06/01/09 11:30 Received: 06/02/09 09:30 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)	**24.7**	ug/L	0.96	0.96	50	06/04/09 16:05	06/08/09 16:49	106-93-4	
1-Chloro-2-bromopropane (S)	0	%	60-140		50	06/04/09 16:05	06/08/09 16:49	301-79-56	S4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	06/03/09 16:05	06/08/09 13:21	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	20000	12400	200		06/10/09 10:35	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	900	200		06/10/09 10:35	994-05-8	
Benzene	**3210**	ug/L	1000	240	200		06/10/09 10:35	71-43-2	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: MW-17 **Lab ID: 9245462010** Collected: 06/01/09 11:30 Received: 06/02/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	9600	200		06/10/09 10:35	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	5400	200		06/10/09 10:35	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	1800	200		06/10/09 10:35	762-75-4	
1,2-Dichloroethane	ND	ug/L	1000	260	200		06/10/09 10:35	107-06-2	
Diisopropyl ether	**541J**	ug/L	1000	540	200		06/10/09 10:35	108-20-3	
Ethanol	ND	ug/L	40000	34000	200		06/10/09 10:35	64-17-5	
Ethylbenzene	**1870**	ug/L	1000	220	200		06/10/09 10:35	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	920	200		06/10/09 10:35	637-92-3	
Methyl-tert-butyl ether	**6040**	ug/L	1000	400	200		06/10/09 10:35	1634-04-4	
Naphthalene	ND	ug/L	1000	580	200		06/10/09 10:35	91-20-3	
Toluene	**15800**	ug/L	1000	360	200		06/10/09 10:35	108-88-3	
Xylene (Total)	**11300**	ug/L	2000	540	200		06/10/09 10:35	1330-20-7	
m&p-Xylene	**8270**	ug/L	2000	540	200		06/10/09 10:35	1330-20-7	
o-Xylene	**3060**	ug/L	1000	340	200		06/10/09 10:35	95-47-6	
Dibromofluoromethane (S)	106	%	85-115		200		06/10/09 10:35	1868-53-7	
Toluene-d8 (S)	101	%	70-120		200		06/10/09 10:35	2037-26-5	
4-Bromofluorobenzene (S)	103	%	87-109		200		06/10/09 10:35	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	79-120		200		06/10/09 10:35	17060-07-0	

Sample: MW-20 **Lab ID: 9245462011** Collected: 06/01/09 13:20 Received: 06/02/09 09:30 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	06/04/09 16:05	06/07/09 18:50	106-93-4	
1-Chloro-2-bromopropane (S)	89	%	60-140		1	06/04/09 16:05	06/07/09 18:50	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	06/03/09 16:05	06/08/09 13:24	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	62.0	1		06/12/09 12:37	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	4.5	1		06/12/09 12:37	994-05-8	
Benzene	ND	ug/L	5.0	1.2	1		06/12/09 12:37	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	48.0	1		06/12/09 12:37	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.0	1		06/12/09 12:37	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	9.0	1		06/12/09 12:37	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		06/12/09 12:37	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	2.7	1		06/12/09 12:37	108-20-3	
Ethanol	ND	ug/L	200	170	1		06/12/09 12:37	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.1	1		06/12/09 12:37	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	4.6	1		06/12/09 12:37	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.0	1		06/12/09 12:37	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.9	1		06/12/09 12:37	91-20-3	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: MW-20 **Lab ID: 9245462011** Collected: 06/01/09 13:20 Received: 06/02/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Toluene	ND	ug/L	5.0	1.8	1		06/12/09 12:37	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/12/09 12:37	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	2.7	1		06/12/09 12:37	1330-20-7	
o-Xylene	ND	ug/L	5.0	1.7	1		06/12/09 12:37	95-47-6	
Dibromofluoromethane (S)	102	%	85-115		1		06/12/09 12:37	1868-53-7	
Toluene-d8 (S)	101	%	70-120		1		06/12/09 12:37	2037-26-5	
4-Bromofluorobenzene (S)	100	%	87-109		1		06/12/09 12:37	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	79-120		1		06/12/09 12:37	17060-07-0	

Sample: MW-21 **Lab ID: 9245462012** Collected: 06/01/09 12:50 Received: 06/02/09 09:30 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)	**0.66**	ug/L	0.019	0.019	1	06/04/09 16:05	06/07/09 19:03	106-93-4	
1-Chloro-2-bromopropane (S)	111	%	60-140		1	06/04/09 16:05	06/07/09 19:03	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**41.8**	ug/L	5.0	4.0	1	06/03/09 16:05	06/08/09 13:27	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**2890**	ug/L	2000	1240	20		06/10/09 15:35	75-85-4	
tert-Amylmethyl ether	ND	ug/L	200	90.0	20		06/10/09 15:35	994-05-8	
Benzene	**2650**	ug/L	100	24.0	20		06/10/09 15:35	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2000	960	20		06/10/09 15:35	624-95-3	
tert-Butyl Alcohol	**826J**	ug/L	2000	540	20		06/10/09 15:35	75-65-0	
tert-Butyl Formate	ND	ug/L	1000	180	20		06/10/09 15:35	762-75-4	
1,2-Dichloroethane	ND	ug/L	100	26.0	20		06/10/09 15:35	107-06-2	
Diisopropyl ether	**93.2J**	ug/L	100	54.0	20		06/10/09 15:35	108-20-3	
Ethanol	ND	ug/L	4000	3400	20		06/10/09 15:35	64-17-5	
Ethylbenzene	**1850**	ug/L	100	22.0	20		06/10/09 15:35	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	200	92.0	20		06/10/09 15:35	637-92-3	
Methyl-tert-butyl ether	**580**	ug/L	100	40.0	20		06/10/09 15:35	1634-04-4	
Naphthalene	**756**	ug/L	100	58.0	20		06/10/09 15:35	91-20-3	
Toluene	**3700**	ug/L	100	36.0	20		06/10/09 15:35	108-88-3	
Xylene (Total)	**8130**	ug/L	500	135	50		06/11/09 19:04	1330-20-7	
m&p-Xylene	**4730**	ug/L	200	54.0	20		06/10/09 15:35	1330-20-7	
o-Xylene	**3400**	ug/L	250	85.0	50		06/11/09 19:04	95-47-6	
Dibromofluoromethane (S)	100	%	85-115		20		06/10/09 15:35	1868-53-7	
Toluene-d8 (S)	100	%	70-120		20		06/10/09 15:35	2037-26-5	
4-Bromofluorobenzene (S)	98	%	87-109		20		06/10/09 15:35	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	79-120		20		06/10/09 15:35	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: MW-23 **Lab ID: 9245462013** Collected: 06/01/09 14:00 Received: 06/02/09 09:30 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	06/04/09 16:05	06/07/09 19:17	106-93-4	
1-Chloro-2-bromopropane (S)	97	%	60-140		1	06/04/09 16:05	06/07/09 19:17	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	06/03/09 16:05	06/08/09 13:31	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	62.0	1		06/10/09 16:48	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	4.5	1		06/10/09 16:48	994-05-8	
Benzene	ND	ug/L	5.0	1.2	1		06/10/09 16:48	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	48.0	1		06/10/09 16:48	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.0	1		06/10/09 16:48	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	9.0	1		06/10/09 16:48	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		06/10/09 16:48	107-06-2	
Diisopropyl ether	**4.4J**	ug/L	5.0	2.7	1		06/10/09 16:48	108-20-3	
Ethanol	ND	ug/L	200	170	1		06/10/09 16:48	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.1	1		06/10/09 16:48	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	4.6	1		06/10/09 16:48	637-92-3	
Methyl-tert-butyl ether	**17.9**	ug/L	5.0	2.0	1		06/10/09 16:48	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.9	1		06/10/09 16:48	91-20-3	
Toluene	ND	ug/L	5.0	1.8	1		06/10/09 16:48	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/10/09 16:48	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	2.7	1		06/10/09 16:48	1330-20-7	
o-Xylene	ND	ug/L	5.0	1.7	1		06/10/09 16:48	95-47-6	
Dibromofluoromethane (S)	106	%	85-115		1		06/10/09 16:48	1868-53-7	
Toluene-d8 (S)	99	%	70-120		1		06/10/09 16:48	2037-26-5	
4-Bromofluorobenzene (S)	92	%	87-109		1		06/10/09 16:48	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	79-120		1		06/10/09 16:48	17060-07-0	

Sample: MW-24 **Lab ID: 9245462014** Collected: 06/01/09 12:20 Received: 06/02/09 09:30 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	06/04/09 16:05	06/07/09 19:31	106-93-4	
1-Chloro-2-bromopropane (S)	111	%	60-140		1	06/04/09 16:05	06/07/09 19:31	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**7.1**	ug/L	5.0	4.0	1	06/03/09 16:05	06/08/09 13:34	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**204**	ug/L	200	124	2		06/10/09 14:11	75-85-4	
tert-Amylmethyl ether	ND	ug/L	20.0	9.0	2		06/10/09 14:11	994-05-8	
Benzene	**168**	ug/L	10.0	2.4	2		06/10/09 14:11	71-43-2	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: MW-24 **Lab ID: 9245462014** Collected: 06/01/09 12:20 Received: 06/02/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
3,3-Dimethyl-1-Butanol	ND	ug/L	200	96.0	2		06/10/09 14:11	624-95-3	
tert-Butyl Alcohol	**58.4J**	ug/L	200	54.0	2		06/10/09 14:11	75-65-0	
tert-Butyl Formate	ND	ug/L	100	18.0	2		06/10/09 14:11	762-75-4	
1,2-Dichloroethane	ND	ug/L	10.0	2.6	2		06/10/09 14:11	107-06-2	
Diisopropyl ether	**9.9J**	ug/L	10.0	5.4	2		06/10/09 14:11	108-20-3	
Ethanol	ND	ug/L	400	340	2		06/10/09 14:11	64-17-5	
Ethylbenzene	**121**	ug/L	10.0	2.2	2		06/10/09 14:11	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	20.0	9.2	2		06/10/09 14:11	637-92-3	
Methyl-tert-butyl ether	**35.7**	ug/L	10.0	4.0	2		06/10/09 14:11	1634-04-4	
Naphthalene	**49.0**	ug/L	10.0	5.8	2		06/10/09 14:11	91-20-3	
Toluene	**105**	ug/L	10.0	3.6	2		06/10/09 14:11	108-88-3	
Xylene (Total)	**705**	ug/L	20.0	5.4	2		06/10/09 14:11	1330-20-7	
m&p-Xylene	**356**	ug/L	20.0	5.4	2		06/10/09 14:11	1330-20-7	
o-Xylene	**349**	ug/L	10.0	3.4	2		06/10/09 14:11	95-47-6	
Dibromofluoromethane (S)	104	%	85-115		2		06/10/09 14:11	1868-53-7	
Toluene-d8 (S)	99	%	70-120		2		06/10/09 14:11	2037-26-5	
4-Bromofluorobenzene (S)	97	%	87-109		2		06/10/09 14:11	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	79-120		2		06/10/09 14:11	17060-07-0	

Sample: MW-25 **Lab ID: 9245462015** Collected: 06/01/09 10:40 Received: 06/02/09 09:30 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	06/06/09 13:43	06/08/09 18:11	106-93-4	
1-Chloro-2-bromopropane (S)	100	%	60-140		1	06/06/09 13:43	06/08/09 18:11	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	06/03/09 16:05	06/08/09 13:38	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	62.0	1		06/10/09 17:06	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	4.5	1		06/10/09 17:06	994-05-8	
Benzene	ND	ug/L	5.0	1.2	1		06/10/09 17:06	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	48.0	1		06/10/09 17:06	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.0	1		06/10/09 17:06	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	9.0	1		06/10/09 17:06	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		06/10/09 17:06	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	2.7	1		06/10/09 17:06	108-20-3	
Ethanol	ND	ug/L	200	170	1		06/10/09 17:06	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.1	1		06/10/09 17:06	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	4.6	1		06/10/09 17:06	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.0	1		06/10/09 17:06	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.9	1		06/10/09 17:06	91-20-3	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: MW-25 **Lab ID: 9245462015** Collected: 06/01/09 10:40 Received: 06/02/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Toluene	ND	ug/L	5.0	1.8	1		06/10/09 17:06	108-88-3	
Xylene (Total)	**6.9J**	ug/L	10.0	2.7	1		06/10/09 17:06	1330-20-7	
m&p-Xylene	**4.3J**	ug/L	10.0	2.7	1		06/10/09 17:06	1330-20-7	
o-Xylene	**2.5J**	ug/L	5.0	1.7	1		06/10/09 17:06	95-47-6	
Dibromofluoromethane (S)	106	%	85-115		1		06/10/09 17:06	1868-53-7	
Toluene-d8 (S)	99	%	70-120		1		06/10/09 17:06	2037-26-5	
4-Bromofluorobenzene (S)	93	%	87-109		1		06/10/09 17:06	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	79-120		1		06/10/09 17:06	17060-07-0	

Sample: MW-26 **Lab ID: 9245462016** Collected: 06/01/09 12:00 Received: 06/02/09 09:30 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)	**0.11**	ug/L	0.019	0.019	1	06/06/09 13:44	06/08/09 18:52	106-93-4	
1-Chloro-2-bromopropane (S)	87	%	60-140		1	06/06/09 13:44	06/08/09 18:52	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**20.3**	ug/L	5.0	4.0	1	06/03/09 16:05	06/08/09 13:41	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**814**	ug/L	500	310	5		06/10/09 08:41	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	22.5	5		06/10/09 08:41	994-05-8	
Benzene	**715**	ug/L	25.0	6.0	5		06/10/09 08:41	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	240	5		06/10/09 08:41	624-95-3	
tert-Butyl Alcohol	**135J**	ug/L	500	135	5		06/10/09 08:41	75-65-0	
tert-Butyl Formate	ND	ug/L	250	45.0	5		06/10/09 08:41	762-75-4	
1,2-Dichloroethane	**26.4**	ug/L	25.0	6.5	5		06/10/09 08:41	107-06-2	
Diisopropyl ether	**182**	ug/L	25.0	13.5	5		06/10/09 08:41	108-20-3	
Ethanol	ND	ug/L	1000	850	5		06/10/09 08:41	64-17-5	
Ethylbenzene	**12.5J**	ug/L	25.0	5.5	5		06/10/09 08:41	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	23.0	5		06/10/09 08:41	637-92-3	
Methyl-tert-butyl ether	**25.9**	ug/L	25.0	10.0	5		06/10/09 08:41	1634-04-4	
Naphthalene	**61.8**	ug/L	25.0	14.5	5		06/10/09 08:41	91-20-3	
Toluene	ND	ug/L	25.0	9.0	5		06/10/09 08:41	108-88-3	
Xylene (Total)	**229**	ug/L	50.0	13.5	5		06/10/09 08:41	1330-20-7	
m&p-Xylene	**221**	ug/L	50.0	13.5	5		06/10/09 08:41	1330-20-7	
o-Xylene	**8.6J**	ug/L	25.0	8.5	5		06/10/09 08:41	95-47-6	
Dibromofluoromethane (S)	96	%	85-115		5		06/10/09 08:41	1868-53-7	
Toluene-d8 (S)	100	%	70-120		5		06/10/09 08:41	2037-26-5	
4-Bromofluorobenzene (S)	95	%	87-109		5		06/10/09 08:41	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	79-120		5		06/10/09 08:41	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: MW-27 **Lab ID: 9245462017** Collected: 06/01/09 14:50 Received: 06/02/09 09:30 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)	**0.36**	ug/L	0.019	0.019	1	06/06/09 13:44	06/08/09 19:20	106-93-4	
1-Chloro-2-bromopropane (S)	114	%	60-140		1	06/06/09 13:44	06/08/09 19:20	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	06/03/09 16:05	06/08/09 13:44	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**3140**	ug/L	2000	1240	20		06/10/09 10:16	75-85-4	
tert-Amylmethyl ether	**277**	ug/L	200	90.0	20		06/10/09 10:16	994-05-8	
Benzene	**1160**	ug/L	100	24.0	20		06/10/09 10:16	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2000	960	20		06/10/09 10:16	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2000	540	20		06/10/09 10:16	75-65-0	
tert-Butyl Formate	ND	ug/L	1000	180	20		06/10/09 10:16	762-75-4	
1,2-Dichloroethane	**91.2J**	ug/L	100	26.0	20		06/10/09 10:16	107-06-2	
Diisopropyl ether	**1610**	ug/L	100	54.0	20		06/10/09 10:16	108-20-3	
Ethanol	ND	ug/L	4000	3400	20		06/10/09 10:16	64-17-5	
Ethylbenzene	ND	ug/L	100	22.0	20		06/10/09 10:16	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	200	92.0	20		06/10/09 10:16	637-92-3	
Methyl-tert-butyl ether	**2850**	ug/L	250	100	50		06/11/09 03:38	1634-04-4	
Naphthalene	ND	ug/L	100	58.0	20		06/10/09 10:16	91-20-3	
Toluene	ND	ug/L	100	36.0	20		06/10/09 10:16	108-88-3	
Xylene (Total)	**375**	ug/L	200	54.0	20		06/10/09 10:16	1330-20-7	
m&p-Xylene	**91.9J**	ug/L	200	54.0	20		06/10/09 10:16	1330-20-7	
o-Xylene	**284**	ug/L	100	34.0	20		06/10/09 10:16	95-47-6	
Dibromofluoromethane (S)	96	%	85-115		20		06/10/09 10:16	1868-53-7	
Toluene-d8 (S)	99	%	70-120		20		06/10/09 10:16	2037-26-5	
4-Bromofluorobenzene (S)	96	%	87-109		20		06/10/09 10:16	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	79-120		20		06/10/09 10:16	17060-07-0	

Sample: MW-28 **Lab ID: 9245462018** Collected: 06/01/09 15:00 Received: 06/02/09 09:30 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)	**0.81**	ug/L	0.019	0.019	1	06/06/09 13:44	06/08/09 19:33	106-93-4	
1-Chloro-2-bromopropane (S)	105	%	60-140		1	06/06/09 13:44	06/08/09 19:33	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**5.2**	ug/L	5.0	4.0	1	06/03/09 16:05	06/08/09 13:48	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**6270**	ug/L	2000	1240	20		06/10/09 14:53	75-85-4	
tert-Amylmethyl ether	**469**	ug/L	200	90.0	20		06/10/09 14:53	994-05-8	
Benzene	**3940**	ug/L	250	60.0	50		06/11/09 18:43	71-43-2	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: MW-28 **Lab ID: 9245462018** Collected: 06/01/09 15:00 Received: 06/02/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
3,3-Dimethyl-1-Butanol	ND	ug/L	2000	960	20		06/10/09 14:53	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2000	540	20		06/10/09 14:53	75-65-0	
tert-Butyl Formate	ND	ug/L	1000	180	20		06/10/09 14:53	762-75-4	
1,2-Dichloroethane	**159**	ug/L	100	26.0	20		06/10/09 14:53	107-06-2	
Diisopropyl ether	**2810**	ug/L	100	54.0	20		06/10/09 14:53	108-20-3	
Ethanol	ND	ug/L	4000	3400	20		06/10/09 14:53	64-17-5	
Ethylbenzene	**29.6J**	ug/L	100	22.0	20		06/10/09 14:53	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	200	92.0	20		06/10/09 14:53	637-92-3	
Methyl-tert-butyl ether	**6750**	ug/L	250	100	50		06/11/09 18:43	1634-04-4	
Naphthalene	**358**	ug/L	100	58.0	20		06/10/09 14:53	91-20-3	
Toluene	**50.3J**	ug/L	100	36.0	20		06/10/09 14:53	108-88-3	
Xylene (Total)	**1410**	ug/L	200	54.0	20		06/10/09 14:53	1330-20-7	
m&p-Xylene	**262**	ug/L	200	54.0	20		06/10/09 14:53	1330-20-7	
o-Xylene	**1150**	ug/L	100	34.0	20		06/10/09 14:53	95-47-6	
Dibromofluoromethane (S)	102	%	85-115		20		06/10/09 14:53	1868-53-7	
Toluene-d8 (S)	99	%	70-120		20		06/10/09 14:53	2037-26-5	
4-Bromofluorobenzene (S)	96	%	87-109		20		06/10/09 14:53	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	79-120		20		06/10/09 14:53	17060-07-0	

Sample: T-1 **Lab ID: 9245462019** Collected: 06/01/09 14:20 Received: 06/02/09 09:30 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	06/06/09 13:44	06/08/09 19:47	106-93-4	
1-Chloro-2-bromopropane (S)	107	%	60-140		1	06/06/09 13:44	06/08/09 19:47	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	06/03/09 16:40	06/08/09 14:07	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	62.0	1		06/10/09 09:00	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	4.5	1		06/10/09 09:00	994-05-8	
Benzene	**4.9J**	ug/L	5.0	1.2	1		06/10/09 09:00	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	48.0	1		06/10/09 09:00	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.0	1		06/10/09 09:00	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	9.0	1		06/10/09 09:00	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		06/10/09 09:00	107-06-2	
Diisopropyl ether	**37.2**	ug/L	5.0	2.7	1		06/10/09 09:00	108-20-3	
Ethanol	ND	ug/L	200	170	1		06/10/09 09:00	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.1	1		06/10/09 09:00	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	4.6	1		06/10/09 09:00	637-92-3	
Methyl-tert-butyl ether	**76.1**	ug/L	5.0	2.0	1		06/10/09 09:00	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.9	1		06/10/09 09:00	91-20-3	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: T-1 **Lab ID: 9245462019** Collected: 06/01/09 14:20 Received: 06/02/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Toluene	ND	ug/L	5.0	1.8	1		06/10/09 09:00	108-88-3	
Xylene (Total)	**5.6J**	ug/L	10.0	2.7	1		06/10/09 09:00	1330-20-7	
m&p-Xylene	**3.9J**	ug/L	10.0	2.7	1		06/10/09 09:00	1330-20-7	
o-Xylene	**1.7J**	ug/L	5.0	1.7	1		06/10/09 09:00	95-47-6	
Dibromofluoromethane (S)	99	%	85-115		1		06/10/09 09:00	1868-53-7	
Toluene-d8 (S)	102	%	70-120		1		06/10/09 09:00	2037-26-5	
4-Bromofluorobenzene (S)	92	%	87-109		1		06/10/09 09:00	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	79-120		1		06/10/09 09:00	17060-07-0	

Sample: T-2 **Lab ID: 9245462020** Collected: 06/01/09 13:00 Received: 06/02/09 09:30 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	06/06/09 13:44	06/08/09 20:01	106-93-4	
1-Chloro-2-bromopropane (S)	99	%	60-140		1	06/06/09 13:44	06/08/09 20:01	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	06/03/09 16:40	06/08/09 14:14	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	62.0	1		06/10/09 08:22	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	4.5	1		06/10/09 08:22	994-05-8	
Benzene	ND	ug/L	5.0	1.2	1		06/10/09 08:22	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	48.0	1		06/10/09 08:22	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.0	1		06/10/09 08:22	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	9.0	1		06/10/09 08:22	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		06/10/09 08:22	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	2.7	1		06/10/09 08:22	108-20-3	
Ethanol	ND	ug/L	200	170	1		06/10/09 08:22	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.1	1		06/10/09 08:22	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	4.6	1		06/10/09 08:22	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.0	1		06/10/09 08:22	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.9	1		06/10/09 08:22	91-20-3	
Toluene	ND	ug/L	5.0	1.8	1		06/10/09 08:22	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/10/09 08:22	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	2.7	1		06/10/09 08:22	1330-20-7	
o-Xylene	ND	ug/L	5.0	1.7	1		06/10/09 08:22	95-47-6	
Dibromofluoromethane (S)	96	%	85-115		1		06/10/09 08:22	1868-53-7	
Toluene-d8 (S)	99	%	70-120		1		06/10/09 08:22	2037-26-5	
4-Bromofluorobenzene (S)	89	%	87-109		1		06/10/09 08:22	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	79-120		1		06/10/09 08:22	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: MW-12R **Lab ID: 9245462021** Collected: 06/01/09 13:10 Received: 06/02/09 09:30 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	06/06/09 13:44	06/08/09 20:15	106-93-4	
1-Chloro-2-bromopropane (S)	94	%	60-140		1	06/06/09 13:44	06/08/09 20:15	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	06/03/09 16:40	06/08/09 14:20	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	62.0	1		06/10/09 17:25	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	4.5	1		06/10/09 17:25	994-05-8	
Benzene	ND	ug/L	5.0	1.2	1		06/10/09 17:25	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	48.0	1		06/10/09 17:25	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.0	1		06/10/09 17:25	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	9.0	1		06/10/09 17:25	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		06/10/09 17:25	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	2.7	1		06/10/09 17:25	108-20-3	
Ethanol	ND	ug/L	200	170	1		06/10/09 17:25	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.1	1		06/10/09 17:25	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	4.6	1		06/10/09 17:25	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.0	1		06/10/09 17:25	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.9	1		06/10/09 17:25	91-20-3	
Toluene	ND	ug/L	5.0	1.8	1		06/10/09 17:25	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/10/09 17:25	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	2.7	1		06/10/09 17:25	1330-20-7	
o-Xylene	ND	ug/L	5.0	1.7	1		06/10/09 17:25	95-47-6	
Dibromofluoromethane (S)	108	%	85-115		1		06/10/09 17:25	1868-53-7	
Toluene-d8 (S)	99	%	70-120		1		06/10/09 17:25	2037-26-5	
4-Bromofluorobenzene (S)	91	%	87-109		1		06/10/09 17:25	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	79-120		1		06/10/09 17:25	17060-07-0	
Iron, Ferrous	Analytical Method: SM 3500-Fe D#4								
Iron, Ferrous	ND	mg/L	0.50	0.50	1		06/04/09 15:01		H1
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**1.7**	mg/L	0.10	0.10	1		06/02/09 23:10		

Sample: MW-19R **Lab ID: 9245462022** Collected: 06/01/09 12:00 Received: 06/02/09 09:30 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)	**3.1**	ug/L	0.096	0.096	5	06/06/09 13:44	06/09/09 08:28	106-93-4	
1-Chloro-2-bromopropane (S)	0	%	60-140		5	06/06/09 13:44	06/09/09 08:28	301-79-56	S4

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: MW-19R **Lab ID: 9245462022** Collected: 06/01/09 12:00 Received: 06/02/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**30.8**	ug/L	5.0	4.0	1	06/03/09 16:40	06/08/09 14:24	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**4990**	ug/L	2000	1240	20		06/10/09 15:14	75-85-4	
tert-Amylmethyl ether	ND	ug/L	200	90.0	20		06/10/09 15:14	994-05-8	
Benzene	**4700**	ug/L	2500	600	500		06/12/09 14:01	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2000	960	20		06/10/09 15:14	624-95-3	
tert-Butyl Alcohol	**1190J**	ug/L	2000	540	20		06/10/09 15:14	75-65-0	
tert-Butyl Formate	ND	ug/L	1000	180	20		06/10/09 15:14	762-75-4	
1,2-Dichloroethane	ND	ug/L	100	26.0	20		06/10/09 15:14	107-06-2	
Diisopropyl ether	**181**	ug/L	100	54.0	20		06/10/09 15:14	108-20-3	
Ethanol	ND	ug/L	4000	3400	20		06/10/09 15:14	64-17-5	
Ethylbenzene	**3700**	ug/L	2500	550	500		06/12/09 14:01	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	200	92.0	20		06/10/09 15:14	637-92-3	
Methyl-tert-butyl ether	**2240**	ug/L	100	40.0	20		06/10/09 15:14	1634-04-4	
Naphthalene	**1010**	ug/L	100	58.0	20		06/10/09 15:14	91-20-3	
Toluene	**44500**	ug/L	2500	900	500		06/12/09 14:01	108-88-3	
Xylene (Total)	**19500**	ug/L	5000	1350	500		06/12/09 14:01	1330-20-7	
m&p-Xylene	**12900**	ug/L	5000	1350	500		06/12/09 14:01	1330-20-7	
o-Xylene	**6620**	ug/L	2500	850	500		06/12/09 14:01	95-47-6	
Dibromofluoromethane (S)	100	%	85-115		20		06/10/09 15:14	1868-53-7	
Toluene-d8 (S)	102	%	70-120		20		06/10/09 15:14	2037-26-5	
4-Bromofluorobenzene (S)	103	%	87-109		20		06/10/09 15:14	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	79-120		20		06/10/09 15:14	17060-07-0	
Iron, Ferrous	Analytical Method: SM 3500-Fe D#4								
Iron, Ferrous	ND	mg/L	0.50	0.50	1		06/04/09 15:03		H1
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	ND	mg/L	0.10	0.10	1		06/02/09 23:03		

Sample: MW-29 **Lab ID: 9245462023** Collected: 06/01/09 10:50 Received: 06/02/09 09:30 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	06/06/09 13:44	06/08/09 20:42	106-93-4	
1-Chloro-2-bromopropane (S)	103	%	60-140		1	06/06/09 13:44	06/08/09 20:42	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	06/03/09 16:40	06/08/09 14:27	7439-92-1	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: MW-29 **Lab ID: 9245462023** Collected: 06/01/09 10:50 Received: 06/02/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	62.0	1		06/10/09 17:43	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	4.5	1		06/10/09 17:43	994-05-8	
Benzene	ND	ug/L	5.0	1.2	1		06/10/09 17:43	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	48.0	1		06/10/09 17:43	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.0	1		06/10/09 17:43	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	9.0	1		06/10/09 17:43	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		06/10/09 17:43	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	2.7	1		06/10/09 17:43	108-20-3	
Ethanol	ND	ug/L	200	170	1		06/10/09 17:43	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.1	1		06/10/09 17:43	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	4.6	1		06/10/09 17:43	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.0	1		06/10/09 17:43	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.9	1		06/10/09 17:43	91-20-3	
Toluene	ND	ug/L	5.0	1.8	1		06/10/09 17:43	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/10/09 17:43	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	2.7	1		06/10/09 17:43	1330-20-7	
o-Xylene	ND	ug/L	5.0	1.7	1		06/10/09 17:43	95-47-6	
Dibromofluoromethane (S)	108	%	85-115		1		06/10/09 17:43	1868-53-7	
Toluene-d8 (S)	95	%	70-120		1		06/10/09 17:43	2037-26-5	
4-Bromofluorobenzene (S)	91	%	87-109		1		06/10/09 17:43	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	79-120		1		06/10/09 17:43	17060-07-0	
Iron, Ferrous	Analytical Method: SM 3500-Fe D#4								
Iron, Ferrous	ND	mg/L	0.50	0.50	1		06/04/09 15:03		H1
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**2.2**	mg/L	0.10	0.10	1		06/02/09 22:49		

Sample: MW-30 **Lab ID: 9245462024** Collected: 06/01/09 12:30 Received: 06/02/09 09:30 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	06/06/09 13:44	06/08/09 20:55	106-93-4	
1-Chloro-2-bromopropane (S)	107	%	60-140		1	06/06/09 13:44	06/08/09 20:55	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	06/03/09 16:40	06/08/09 14:30	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	200	124	2		06/11/09 09:10	75-85-4	
tert-Amylmethyl ether	ND	ug/L	20.0	9.0	2		06/11/09 09:10	994-05-8	
Benzene	**13.8**	ug/L	10.0	2.4	2		06/11/09 09:10	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	200	96.0	2		06/11/09 09:10	624-95-3	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: MW-30 **Lab ID: 9245462024** Collected: 06/01/09 12:30 Received: 06/02/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Butyl Alcohol	ND	ug/L	200	54.0	2		06/11/09 09:10	75-65-0	
tert-Butyl Formate	ND	ug/L	100	18.0	2		06/11/09 09:10	762-75-4	
1,2-Dichloroethane	ND	ug/L	10.0	2.6	2		06/11/09 09:10	107-06-2	
Diisopropyl ether	ND	ug/L	10.0	5.4	2		06/11/09 09:10	108-20-3	
Ethanol	ND	ug/L	400	340	2		06/11/09 09:10	64-17-5	
Ethylbenzene	**7.9J**	ug/L	10.0	2.2	2		06/11/09 09:10	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	20.0	9.2	2		06/11/09 09:10	637-92-3	
Methyl-tert-butyl ether	**13.2**	ug/L	10.0	4.0	2		06/11/09 09:10	1634-04-4	
Naphthalene	**88.8**	ug/L	10.0	5.8	2		06/11/09 09:10	91-20-3	
Toluene	**11.0**	ug/L	10.0	3.6	2		06/11/09 09:10	108-88-3	
Xylene (Total)	**196**	ug/L	20.0	5.4	2		06/11/09 09:10	1330-20-7	
m&p-Xylene	**117**	ug/L	20.0	5.4	2		06/11/09 09:10	1330-20-7	
o-Xylene	**79.6**	ug/L	10.0	3.4	2		06/11/09 09:10	95-47-6	
Dibromofluoromethane (S)	101	%	85-115		2		06/11/09 09:10	1868-53-7	
Toluene-d8 (S)	103	%	70-120		2		06/11/09 09:10	2037-26-5	
4-Bromofluorobenzene (S)	99	%	87-109		2		06/11/09 09:10	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	79-120		2		06/11/09 09:10	17060-07-0	
Iron, Ferrous	Analytical Method: SM 3500-Fe D#4								
Iron, Ferrous	ND	mg/L	0.50	0.50	1		06/04/09 15:05		H1
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.39**	mg/L	0.10	0.10	1		06/02/09 23:04		

Sample: MW-31 **Lab ID: 9245462025** Collected: 06/01/09 12:50 Received: 06/02/09 09:30 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	06/06/09 13:44	06/08/09 21:09	106-93-4	
1-Chloro-2-bromopropane (S)	96	%	60-140		1	06/06/09 13:44	06/08/09 21:09	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	06/03/09 16:40	06/08/09 14:44	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	62.0	1		06/10/09 18:01	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	4.5	1		06/10/09 18:01	994-05-8	
Benzene	ND	ug/L	5.0	1.2	1		06/10/09 18:01	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	48.0	1		06/10/09 18:01	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.0	1		06/10/09 18:01	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	9.0	1		06/10/09 18:01	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		06/10/09 18:01	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	2.7	1		06/10/09 18:01	108-20-3	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: MW-31 **Lab ID: 9245462025** Collected: 06/01/09 12:50 Received: 06/02/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Ethanol	ND	ug/L	200	170	1		06/10/09 18:01	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.1	1		06/10/09 18:01	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	4.6	1		06/10/09 18:01	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.0	1		06/10/09 18:01	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.9	1		06/10/09 18:01	91-20-3	
Toluene	**1.8J**	ug/L	5.0	1.8	1		06/10/09 18:01	108-88-3	
Xylene (Total)	**3.0J**	ug/L	10.0	2.7	1		06/10/09 18:01	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	2.7	1		06/10/09 18:01	1330-20-7	
o-Xylene	ND	ug/L	5.0	1.7	1		06/10/09 18:01	95-47-6	
Dibromofluoromethane (S)	110	%	85-115		1		06/10/09 18:01	1868-53-7	
Toluene-d8 (S)	100	%	70-120		1		06/10/09 18:01	2037-26-5	
4-Bromofluorobenzene (S)	92	%	87-109		1		06/10/09 18:01	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	79-120		1		06/10/09 18:01	17060-07-0	
Iron, Ferrous	Analytical Method: SM 3500-Fe D#4								
Iron, Ferrous	ND	mg/L	0.50	0.50	1		06/04/09 15:08		H1
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**3.8**	mg/L	0.10	0.10	1		06/02/09 23:09		

Sample: MW-32 **Lab ID: 9245462026** Collected: 06/01/09 13:40 Received: 06/02/09 09:30 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	06/06/09 13:44	06/08/09 21:23	106-93-4	
1-Chloro-2-bromopropane (S)	97	%	60-140		1	06/06/09 13:44	06/08/09 21:23	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	06/03/09 16:40	06/08/09 14:47	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	62.0	1		06/10/09 18:20	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	4.5	1		06/10/09 18:20	994-05-8	
Benzene	ND	ug/L	5.0	1.2	1		06/10/09 18:20	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	48.0	1		06/10/09 18:20	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.0	1		06/10/09 18:20	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	9.0	1		06/10/09 18:20	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		06/10/09 18:20	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	2.7	1		06/10/09 18:20	108-20-3	
Ethanol	ND	ug/L	200	170	1		06/10/09 18:20	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.1	1		06/10/09 18:20	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	4.6	1		06/10/09 18:20	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.0	1		06/10/09 18:20	1634-04-4	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: MW-32 **Lab ID: 9245462026** Collected: 06/01/09 13:40 Received: 06/02/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Naphthalene	ND	ug/L	5.0	2.9	1		06/10/09 18:20	91-20-3	
Toluene	**2.4J**	ug/L	5.0	1.8	1		06/10/09 18:20	108-88-3	
Xylene (Total)	**4.9J**	ug/L	10.0	2.7	1		06/10/09 18:20	1330-20-7	
m&p-Xylene	**3.5J**	ug/L	10.0	2.7	1		06/10/09 18:20	1330-20-7	
o-Xylene	ND	ug/L	5.0	1.7	1		06/10/09 18:20	95-47-6	
Dibromofluoromethane (S)	111	%	85-115		1		06/10/09 18:20	1868-53-7	
Toluene-d8 (S)	100	%	70-120		1		06/10/09 18:20	2037-26-5	
4-Bromofluorobenzene (S)	91	%	87-109		1		06/10/09 18:20	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	79-120		1		06/10/09 18:20	17060-07-0	
Iron, Ferrous	Analytical Method: SM 3500-Fe D#4								
Iron, Ferrous	ND	mg/L	0.50	0.50	1		06/04/09 15:10		H1
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**3.6**	mg/L	0.10	0.10	1		06/02/09 23:12		

Sample: MW-34 **Lab ID: 9245462027** Collected: 06/01/09 13:30 Received: 06/02/09 09:30 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)	**8.0**	ug/L	0.19	0.19	10	06/06/09 13:45	06/09/09 08:41	106-93-4	
1-Chloro-2-bromopropane (S)	0	%	60-140		10	06/06/09 13:45	06/09/09 08:41	301-79-56	S4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**48.3**	ug/L	5.0	4.0	1	06/03/09 16:40	06/08/09 14:50	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**4300**	ug/L	2000	1240	20		06/11/09 10:14	75-85-4	
tert-Amylmethyl ether	**552**	ug/L	200	90.0	20		06/11/09 10:14	994-05-8	
Benzene	**8570**	ug/L	2500	600	500		06/12/09 09:37	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2000	960	20		06/11/09 10:14	624-95-3	
tert-Butyl Alcohol	**1500J**	ug/L	2000	540	20		06/11/09 10:14	75-65-0	
tert-Butyl Formate	ND	ug/L	1000	180	20		06/11/09 10:14	762-75-4	
1,2-Dichloroethane	ND	ug/L	100	26.0	20		06/11/09 10:14	107-06-2	
Diisopropyl ether	**742**	ug/L	100	54.0	20		06/11/09 10:14	108-20-3	
Ethanol	ND	ug/L	4000	3400	20		06/11/09 10:14	64-17-5	
Ethylbenzene	**3510**	ug/L	2500	550	500		06/12/09 09:37	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	200	92.0	20		06/11/09 10:14	637-92-3	
Methyl-tert-butyl ether	**9560**	ug/L	2500	1000	500		06/12/09 09:37	1634-04-4	
Naphthalene	**665**	ug/L	100	58.0	20		06/11/09 10:14	91-20-3	
Toluene	**45200**	ug/L	2500	900	500		06/12/09 09:37	108-88-3	
Xylene (Total)	**18300**	ug/L	5000	1350	500		06/12/09 09:37	1330-20-7	
m&p-Xylene	**12200**	ug/L	5000	1350	500		06/12/09 09:37	1330-20-7	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: MW-34 **Lab ID: 9245462027** Collected: 06/01/09 13:30 Received: 06/02/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
o-Xylene	**6170**	ug/L	2500	850	500		06/12/09 09:37	95-47-6	
Dibromofluoromethane (S)	93	%	85-115		20		06/11/09 10:14	1868-53-7	
Toluene-d8 (S)	101	%	70-120		20		06/11/09 10:14	2037-26-5	
4-Bromofluorobenzene (S)	99	%	87-109		20		06/11/09 10:14	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	79-120		20		06/11/09 10:14	17060-07-0	
Iron, Ferrous	Analytical Method: SM 3500-Fe D#4								
Iron, Ferrous	ND	mg/L	0.50	0.50	1		06/04/09 15:10		H1
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	ND	mg/L	0.10	0.10	1		06/02/09 23:11		

Sample: MW-35 **Lab ID: 9245462028** Collected: 06/01/09 11:00 Received: 06/02/09 09:30 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	06/06/09 13:45	06/08/09 21:50	106-93-4	
1-Chloro-2-bromopropane (S)	107	%	60-140		1	06/06/09 13:45	06/08/09 21:50	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	06/03/09 16:40	06/08/09 14:53	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	62.0	1		06/10/09 18:38	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	4.5	1		06/10/09 18:38	994-05-8	
Benzene	ND	ug/L	5.0	1.2	1		06/10/09 18:38	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	48.0	1		06/10/09 18:38	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.0	1		06/10/09 18:38	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	9.0	1		06/10/09 18:38	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		06/10/09 18:38	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	2.7	1		06/10/09 18:38	108-20-3	
Ethanol	ND	ug/L	200	170	1		06/10/09 18:38	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.1	1		06/10/09 18:38	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	4.6	1		06/10/09 18:38	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.0	1		06/10/09 18:38	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.9	1		06/10/09 18:38	91-20-3	
Toluene	ND	ug/L	5.0	1.8	1		06/10/09 18:38	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/10/09 18:38	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	2.7	1		06/10/09 18:38	1330-20-7	
o-Xylene	ND	ug/L	5.0	1.7	1		06/10/09 18:38	95-47-6	
Dibromofluoromethane (S)	109	%	85-115		1		06/10/09 18:38	1868-53-7	
Toluene-d8 (S)	100	%	70-120		1		06/10/09 18:38	2037-26-5	
4-Bromofluorobenzene (S)	91	%	87-109		1		06/10/09 18:38	460-00-4	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: MW-35 **Lab ID: 9245462028** Collected: 06/01/09 11:00 Received: 06/02/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
1,2-Dichloroethane-d4 (S)	108	%	79-120		1		06/10/09 18:38	17060-07-0	
Iron, Ferrous	Analytical Method: SM 3500-Fe D#4								
Iron, Ferrous	ND	mg/L	0.50	0.50	1		06/04/09 15:12		H1
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**1.9**	mg/L	0.10	0.10	1		06/02/09 22:57		

Sample: MW-36 **Lab ID: 9245462029** Collected: 06/01/09 10:50 Received: 06/02/09 09:30 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	06/06/09 13:45	06/08/09 22:04	106-93-4	
1-Chloro-2-bromopropane (S)	86	%	60-140		1	06/06/09 13:45	06/08/09 22:04	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	06/03/09 16:40	06/08/09 14:57	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	62.0	1		06/10/09 18:56	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	4.5	1		06/10/09 18:56	994-05-8	
Benzene	ND	ug/L	5.0	1.2	1		06/10/09 18:56	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	48.0	1		06/10/09 18:56	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.0	1		06/10/09 18:56	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	9.0	1		06/10/09 18:56	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		06/10/09 18:56	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	2.7	1		06/10/09 18:56	108-20-3	
Ethanol	ND	ug/L	200	170	1		06/10/09 18:56	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.1	1		06/10/09 18:56	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	4.6	1		06/10/09 18:56	637-92-3	
Methyl-tert-butyl ether	**4.6J**	ug/L	5.0	2.0	1		06/10/09 18:56	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.9	1		06/10/09 18:56	91-20-3	
Toluene	ND	ug/L	5.0	1.8	1		06/10/09 18:56	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/10/09 18:56	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	2.7	1		06/10/09 18:56	1330-20-7	
o-Xylene	ND	ug/L	5.0	1.7	1		06/10/09 18:56	95-47-6	
Dibromofluoromethane (S)	111	%	85-115		1		06/10/09 18:56	1868-53-7	
Toluene-d8 (S)	100	%	70-120		1		06/10/09 18:56	2037-26-5	
4-Bromofluorobenzene (S)	89	%	87-109		1		06/10/09 18:56	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	79-120		1		06/10/09 18:56	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: MW-36 **Lab ID: 9245462029** Collected: 06/01/09 10:50 Received: 06/02/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Iron, Ferrous	Analytical Method: SM 3500-Fe D#4								
Iron, Ferrous	ND	mg/L	0.50	0.50	1		06/04/09 15:13		H1
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**2.7**	mg/L	0.10	0.10	1		06/02/09 22:55		

Sample: MW-37 **Lab ID: 9245462030** Collected: 06/01/09 10:30 Received: 06/02/09 09:30 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	06/06/09 13:45	06/08/09 22:18	106-93-4	
1-Chloro-2-bromopropane (S)	100	%	60-140		1	06/06/09 13:45	06/08/09 22:18	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	06/03/09 16:40	06/08/09 15:00	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	62.0	1		06/10/09 19:14	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	4.5	1		06/10/09 19:14	994-05-8	
Benzene	ND	ug/L	5.0	1.2	1		06/10/09 19:14	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	48.0	1		06/10/09 19:14	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.0	1		06/10/09 19:14	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	9.0	1		06/10/09 19:14	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		06/10/09 19:14	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	2.7	1		06/10/09 19:14	108-20-3	
Ethanol	ND	ug/L	200	170	1		06/10/09 19:14	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.1	1		06/10/09 19:14	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	4.6	1		06/10/09 19:14	637-92-3	
Methyl-tert-butyl ether	**247**	ug/L	10.0	4.0	2		06/11/09 17:19	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.9	1		06/10/09 19:14	91-20-3	
Toluene	ND	ug/L	5.0	1.8	1		06/10/09 19:14	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/10/09 19:14	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	2.7	1		06/10/09 19:14	1330-20-7	
o-Xylene	ND	ug/L	5.0	1.7	1		06/10/09 19:14	95-47-6	
Dibromofluoromethane (S)	112	%	85-115		1		06/10/09 19:14	1868-53-7	
Toluene-d8 (S)	100	%	70-120		1		06/10/09 19:14	2037-26-5	
4-Bromofluorobenzene (S)	89	%	87-109		1		06/10/09 19:14	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	79-120		1		06/10/09 19:14	17060-07-0	
Iron, Ferrous	Analytical Method: SM 3500-Fe D#4								
Iron, Ferrous	ND	mg/L	0.50	0.50	1		06/04/09 15:15		H1

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: MW-37 **Lab ID: 9245462030** Collected: 06/01/09 10:30 Received: 06/02/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**7.5**	mg/L	0.10	0.10	1		06/02/09 22:42		M0

Sample: MW-38 **Lab ID: 9245462031** Collected: 06/01/09 10:40 Received: 06/02/09 09:30 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	06/06/09 13:45	06/08/09 22:31	106-93-4	
1-Chloro-2-bromopropane (S)	88	%	60-140		1	06/06/09 13:45	06/08/09 22:31	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	06/03/09 16:40	06/08/09 15:03	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	62.0	1		06/10/09 19:32	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	4.5	1		06/10/09 19:32	994-05-8	
Benzene	ND	ug/L	5.0	1.2	1		06/10/09 19:32	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	48.0	1		06/10/09 19:32	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.0	1		06/10/09 19:32	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	9.0	1		06/10/09 19:32	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		06/10/09 19:32	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	2.7	1		06/10/09 19:32	108-20-3	
Ethanol	ND	ug/L	200	170	1		06/10/09 19:32	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.1	1		06/10/09 19:32	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	4.6	1		06/10/09 19:32	637-92-3	
Methyl-tert-butyl ether	**319**	ug/L	25.0	10.0	5		06/11/09 17:40	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.9	1		06/10/09 19:32	91-20-3	
Toluene	ND	ug/L	5.0	1.8	1		06/10/09 19:32	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/10/09 19:32	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	2.7	1		06/10/09 19:32	1330-20-7	
o-Xylene	ND	ug/L	5.0	1.7	1		06/10/09 19:32	95-47-6	
Dibromofluoromethane (S)	112	%	85-115		1		06/10/09 19:32	1868-53-7	
Toluene-d8 (S)	101	%	70-120		1		06/10/09 19:32	2037-26-5	
4-Bromofluorobenzene (S)	90	%	87-109		1		06/10/09 19:32	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	79-120		1		06/10/09 19:32	17060-07-0	
Iron, Ferrous	Analytical Method: SM 3500-Fe D#4								
Iron, Ferrous	ND	mg/L	0.50	0.50	1		06/04/09 15:15		H1
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**6.3**	mg/L	0.10	0.10	1		06/02/09 22:45		

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: MW-39 **Lab ID: 9245462032** Collected: 06/01/09 11:10 Received: 06/02/09 09:30 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	06/06/09 13:45	06/08/09 22:45	106-93-4	
1-Chloro-2-bromopropane (S)	90	%	60-140		1	06/06/09 13:45	06/08/09 22:45	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	06/03/09 16:40	06/08/09 15:07	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	62.0	1		06/11/09 15:26	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	4.5	1		06/11/09 15:26	994-05-8	
Benzene	ND	ug/L	5.0	1.2	1		06/11/09 15:26	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	48.0	1		06/11/09 15:26	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.0	1		06/11/09 15:26	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	9.0	1		06/11/09 15:26	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		06/11/09 15:26	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	2.7	1		06/11/09 15:26	108-20-3	
Ethanol	ND	ug/L	200	170	1		06/11/09 15:26	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.1	1		06/11/09 15:26	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	4.6	1		06/11/09 15:26	637-92-3	
Methyl-tert-butyl ether	**12.4**	ug/L	5.0	2.0	1		06/11/09 15:26	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.9	1		06/11/09 15:26	91-20-3	
Toluene	ND	ug/L	5.0	1.8	1		06/11/09 15:26	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/11/09 15:26	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	2.7	1		06/11/09 15:26	1330-20-7	
o-Xylene	ND	ug/L	5.0	1.7	1		06/11/09 15:26	95-47-6	
Dibromofluoromethane (S)	100	%	85-115		1		06/11/09 15:26	1868-53-7	
Toluene-d8 (S)	99	%	70-120		1		06/11/09 15:26	2037-26-5	
4-Bromofluorobenzene (S)	100	%	87-109		1		06/11/09 15:26	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	79-120		1		06/11/09 15:26	17060-07-0	
Iron, Ferrous	Analytical Method: SM 3500-Fe D#4								
Iron, Ferrous	ND	mg/L	0.50	0.50	1		06/04/09 15:17		H1
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**8.4**	mg/L	0.10	0.10	1		06/02/09 22:58		

Sample: MW-40 **Lab ID: 9245462033** Collected: 06/01/09 11:40 Received: 06/02/09 09:30 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	06/06/09 13:45	06/08/09 22:59	106-93-4	
1-Chloro-2-bromopropane (S)	101	%	60-140		1	06/06/09 13:45	06/08/09 22:59	301-79-56	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: MW-40 **Lab ID: 9245462033** Collected: 06/01/09 11:40 Received: 06/02/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	06/03/09 16:40	06/08/09 15:10	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	62.0	1		06/10/09 20:09	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	4.5	1		06/10/09 20:09	994-05-8	
Benzene	ND	ug/L	5.0	1.2	1		06/10/09 20:09	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	48.0	1		06/10/09 20:09	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.0	1		06/10/09 20:09	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	9.0	1		06/10/09 20:09	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		06/10/09 20:09	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	2.7	1		06/10/09 20:09	108-20-3	
Ethanol	ND	ug/L	200	170	1		06/10/09 20:09	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.1	1		06/10/09 20:09	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	4.6	1		06/10/09 20:09	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.0	1		06/10/09 20:09	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.9	1		06/10/09 20:09	91-20-3	
Toluene	ND	ug/L	5.0	1.8	1		06/10/09 20:09	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/10/09 20:09	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	2.7	1		06/10/09 20:09	1330-20-7	
o-Xylene	ND	ug/L	5.0	1.7	1		06/10/09 20:09	95-47-6	
Dibromofluoromethane (S)	111	%	85-115		1		06/10/09 20:09	1868-53-7	
Toluene-d8 (S)	100	%	70-120		1		06/10/09 20:09	2037-26-5	
4-Bromofluorobenzene (S)	89	%	87-109		1		06/10/09 20:09	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	79-120		1		06/10/09 20:09	17060-07-0	
Iron, Ferrous	Analytical Method: SM 3500-Fe D#4								
Iron, Ferrous	ND	mg/L	0.50	0.50	1		06/04/09 15:18		H1
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**3.9**	mg/L	0.10	0.10	1		06/02/09 23:01		

Sample: MW-42 **Lab ID: 9245462034** Collected: 06/01/09 11:30 Received: 06/02/09 09:30 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	06/09/09 13:22	06/09/09 21:34	106-93-4	
1-Chloro-2-bromopropane (S)	102	%	60-140		1	06/09/09 13:22	06/09/09 21:34	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	06/03/09 16:40	06/08/09 15:16	7439-92-1	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: MW-42 **Lab ID: 9245462034** Collected: 06/01/09 11:30 Received: 06/02/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	62.0	1		06/11/09 03:56	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	4.5	1		06/11/09 03:56	994-05-8	
Benzene	ND	ug/L	5.0	1.2	1		06/11/09 03:56	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	48.0	1		06/11/09 03:56	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.0	1		06/11/09 03:56	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	9.0	1		06/11/09 03:56	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		06/11/09 03:56	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	2.7	1		06/11/09 03:56	108-20-3	
Ethanol	ND	ug/L	200	170	1		06/11/09 03:56	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.1	1		06/11/09 03:56	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	4.6	1		06/11/09 03:56	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.0	1		06/11/09 03:56	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.9	1		06/11/09 03:56	91-20-3	
Toluene	ND	ug/L	5.0	1.8	1		06/11/09 03:56	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/11/09 03:56	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	2.7	1		06/11/09 03:56	1330-20-7	
o-Xylene	ND	ug/L	5.0	1.7	1		06/11/09 03:56	95-47-6	
Dibromofluoromethane (S)	98	%	85-115		1		06/11/09 03:56	1868-53-7	
Toluene-d8 (S)	100	%	70-120		1		06/11/09 03:56	2037-26-5	
4-Bromofluorobenzene (S)	91	%	87-109		1		06/11/09 03:56	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	79-120		1		06/11/09 03:56	17060-07-0	
Iron, Ferrous	Analytical Method: SM 3500-Fe D#4								
Iron, Ferrous	ND	mg/L	0.50	0.50	1		06/04/09 15:20		H1
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**2.5**	mg/L	0.10	0.10	1		06/02/09 22:59		

Sample: MW-43 **Lab ID: 9245462035** Collected: 06/01/09 11:40 Received: 06/02/09 09:30 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	06/09/09 13:22	06/09/09 22:15	106-93-4	
1-Chloro-2-bromopropane (S)	107	%	60-140		1	06/09/09 13:22	06/09/09 22:15	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	06/03/09 16:40	06/08/09 15:29	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	62.0	1		06/11/09 04:15	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	4.5	1		06/11/09 04:15	994-05-8	
Benzene	ND	ug/L	5.0	1.2	1		06/11/09 04:15	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	48.0	1		06/11/09 04:15	624-95-3	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: MW-43 **Lab ID: 9245462035** Collected: 06/01/09 11:40 Received: 06/02/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Butyl Alcohol	ND	ug/L	100	27.0	1		06/11/09 04:15	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	9.0	1		06/11/09 04:15	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		06/11/09 04:15	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	2.7	1		06/11/09 04:15	108-20-3	
Ethanol	ND	ug/L	200	170	1		06/11/09 04:15	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.1	1		06/11/09 04:15	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	4.6	1		06/11/09 04:15	637-92-3	
Methyl-tert-butyl ether	**12.0**	ug/L	5.0	2.0	1		06/11/09 04:15	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.9	1		06/11/09 04:15	91-20-3	
Toluene	ND	ug/L	5.0	1.8	1		06/11/09 04:15	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		06/11/09 04:15	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	2.7	1		06/11/09 04:15	1330-20-7	
o-Xylene	ND	ug/L	5.0	1.7	1		06/11/09 04:15	95-47-6	
Dibromofluoromethane (S)	97	%	85-115		1		06/11/09 04:15	1868-53-7	
Toluene-d8 (S)	100	%	70-120		1		06/11/09 04:15	2037-26-5	
4-Bromofluorobenzene (S)	96	%	87-109		1		06/11/09 04:15	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	79-120		1		06/11/09 04:15	17060-07-0	
Iron, Ferrous	Analytical Method: SM 3500-Fe D#4								
Iron, Ferrous	ND	mg/L	0.50	0.50	1		06/04/09 15:22		H1
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**8.6**	mg/L	0.10	0.10	1		06/02/09 23:02		

Sample: T-3 **Lab ID: 9245462036** Collected: 06/01/09 14:40 Received: 06/02/09 09:30 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	06/09/09 13:23	06/09/09 22:42	106-93-4	
1-Chloro-2-bromopropane (S)	119	%	60-140		1	06/09/09 13:23	06/09/09 22:42	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	06/03/09 16:40	06/08/09 15:32	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**1070**	ug/L	500	310	5		06/11/09 09:53	75-85-4	
tert-Amylmethyl ether	**45.1J**	ug/L	50.0	22.5	5		06/11/09 09:53	994-05-8	
Benzene	**358**	ug/L	25.0	6.0	5		06/11/09 09:53	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	240	5		06/11/09 09:53	624-95-3	
tert-Butyl Alcohol	**169J**	ug/L	500	135	5		06/11/09 09:53	75-65-0	
tert-Butyl Formate	ND	ug/L	250	45.0	5		06/11/09 09:53	762-75-4	
1,2-Dichloroethane	**28.5**	ug/L	25.0	6.5	5		06/11/09 09:53	107-06-2	
Diisopropyl ether	**284**	ug/L	25.0	13.5	5		06/11/09 09:53	108-20-3	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9245462

Sample: T-3 **Lab ID: 9245462036** Collected: 06/01/09 14:40 Received: 06/02/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Ethanol	ND	ug/L	1000	850	5		06/11/09 09:53	64-17-5	
Ethylbenzene	ND	ug/L	25.0	5.5	5		06/11/09 09:53	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	23.0	5		06/11/09 09:53	637-92-3	
Methyl-tert-butyl ether	**985**	ug/L	50.0	20.0	10		06/12/09 06:45	1634-04-4	
Naphthalene	**17.8J**	ug/L	25.0	14.5	5		06/11/09 09:53	91-20-3	
Toluene	ND	ug/L	25.0	9.0	5		06/11/09 09:53	108-88-3	
Xylene (Total)	**43.5J**	ug/L	50.0	13.5	5		06/11/09 09:53	1330-20-7	
m&p-Xylene	ND	ug/L	50.0	13.5	5		06/11/09 09:53	1330-20-7	
o-Xylene	**37.7**	ug/L	25.0	8.5	5		06/11/09 09:53	95-47-6	
Dibromofluoromethane (S)	97	%	85-115		5		06/11/09 09:53	1868-53-7	
Toluene-d8 (S)	101	%	70-120		5		06/11/09 09:53	2037-26-5	
4-Bromofluorobenzene (S)	94	%	87-109		5		06/11/09 09:53	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	79-120		5		06/11/09 09:53	17060-07-0	
Iron, Ferrous	Analytical Method: SM 3500-Fe D#4								
Iron, Ferrous	ND	mg/L	0.50	0.50	1		06/04/09 15:24		H1
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**1.1**	mg/L	0.10	0.10	1		06/02/09 23:13		

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9245462

QC Batch: MSV/7274 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV Oxygenates

Associated Lab Samples: 9245462003, 9245462008, 9245462009, 9245462011, 9245462012, 9245462013, 9245462014, 9245462015, 9245462018, 9245462021, 9245462022, 9245462023, 9245462025, 9245462026, 9245462028, 9245462029, 9245462030, 9245462031, 9245462032

METHOD BLANK: 291793 — Matrix: Water

Associated Lab Samples: 9245462003, 9245462008, 9245462009, 9245462011, 9245462012, 9245462013, 9245462014, 9245462015, 9245462018, 9245462021, 9245462022, 9245462023, 9245462025, 9245462026, 9245462028, 9245462029, 9245462030, 9245462031, 9245462032, 9245462033

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	06/10/09 10:18	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	06/10/09 10:18	
Benzene	ug/L	ND	5.0	06/10/09 10:18	
Diisopropyl ether	ug/L	ND	5.0	06/10/09 10:18	
Ethanol	ug/L	ND	200	06/10/09 10:18	
Ethyl-tert-butyl ether	ug/L	ND	10.0	06/10/09 10:18	
Ethylbenzene	ug/L	ND	5.0	06/10/09 10:18	
m&p-Xylene	ug/L	ND	10.0	06/10/09 10:18	
Methyl-tert-butyl ether	ug/L	ND	5.0	06/10/09 10:18	
Naphthalene	ug/L	ND	5.0	06/10/09 10:18	
o-Xylene	ug/L	ND	5.0	06/10/09 10:18	
tert-Amyl Alcohol	ug/L	ND	100	06/10/09 10:18	
tert-Amylmethyl ether	ug/L	ND	10.0	06/10/09 10:18	
tert-Butyl Alcohol	ug/L	ND	100	06/10/09 10:18	
tert-Butyl Formate	ug/L	ND	50.0	06/10/09 10:18	
Toluene	ug/L	ND	5.0	06/10/09 10:18	
Xylene (Total)	ug/L	ND	10.0	06/10/09 10:18	
1,2-Dichloroethane-d4 (S)	%	109	79-120	06/10/09 10:18	
4-Bromofluorobenzene (S)	%	93	87-109	06/10/09 10:18	
Dibromofluoromethane (S)	%	109	85-115	06/10/09 10:18	
Toluene-d8 (S)	%	100	70-120	06/10/09 10:18	

LABORATORY CONTROL SAMPLE: 291794

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	50.0	100	72-126	
3,3-Dimethyl-1-Butanol	ug/L	1000	884	88	55-148	
Benzene	ug/L	50	48.8	98	78-128	
Diisopropyl ether	ug/L	50	46.2	92	74-131	
Ethanol	ug/L	2000	2070	104	53-150	
Ethyl-tert-butyl ether	ug/L	100	90.6	91	77-136	
Ethylbenzene	ug/L	50	50.2	100	80-127	
m&p-Xylene	ug/L	100	99.6	100	82-127	
Methyl-tert-butyl ether	ug/L	50	46.9	94	71-130	
Naphthalene	ug/L	50	55.7	111	52-136	
o-Xylene	ug/L	50	49.2	98	83-124	
tert-Amyl Alcohol	ug/L	1000	868	87	50-150	
tert-Amylmethyl ether	ug/L	100	93.8	94	50-150	

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9245462

LABORATORY CONTROL SAMPLE: 291794

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butyl Alcohol	ug/L	500	505	101	50-150	
tert-Butyl Formate	ug/L	400	199	50	50-150	
Toluene	ug/L	50	48.8	98	76-126	
Xylene (Total)	ug/L	150	149	99	83-125	
1,2-Dichloroethane-d4 (S)	%			95	79-120	
4-Bromofluorobenzene (S)	%			101	87-109	
Dibromofluoromethane (S)	%			99	85-115	
Toluene-d8 (S)	%			100	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 291795 291796

Parameter	Units	9245462033 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	50	50	42.9	53.0	86	106	74-136	21	30	
Toluene	ug/L	ND	50	50	41.6	51.4	83	102	73-131	21	30	
1,2-Dichloroethane-d4 (S)	%						107	109	79-120			
4-Bromofluorobenzene (S)	%						89	89	87-109			
Dibromofluoromethane (S)	%						110	108	85-115			
Toluene-d8 (S)	%						99	100	70-120			

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9245462

QC Batch: WET/8533 — Analysis Method: SM 3500-Fe D#4
QC Batch Method: SM 3500-Fe D#4 — Analysis Description: Iron, Ferrous
Associated Lab Samples: 9245462021, 9245462022, 9245462023, 9245462024, 9245462025, 9245462026, 9245462027, 9245462028, 9245462029, 9245462030, 9245462031, 9245462032, 9245462033, 9245462034, 9245462035, 9245462036

METHOD BLANK: 288919 — Matrix: Water
Associated Lab Samples: 9245462021, 9245462022, 9245462023, 9245462024, 9245462025, 9245462026, 9245462027, 9245462028, 9245462029, 9245462030, 9245462031, 9245462032, 9245462033, 9245462034, 9245462035, 9245462036

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Ferrous	mg/L	ND	0.50	06/04/09 14:54	

LABORATORY CONTROL SAMPLE: 288920

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1.5	1.5	101	90-110	

SAMPLE DUPLICATE: 288921

Parameter	Units	9245317013 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron, Ferrous	mg/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9245462

QC Batch: MSV/7282 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Oxygenates
Associated Lab Samples: 9245462024, 9245462027, 9245462034, 9245462035, 9245462036

METHOD BLANK: 292109 Matrix: Water
Associated Lab Samples: 9245462024, 9245462027, 9245462034, 9245462035, 9245462036

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	06/11/09 02:25	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	06/11/09 02:25	
Benzene	ug/L	ND	5.0	06/11/09 02:25	
Diisopropyl ether	ug/L	ND	5.0	06/11/09 02:25	
Ethanol	ug/L	ND	200	06/11/09 02:25	
Ethyl-tert-butyl ether	ug/L	ND	10.0	06/11/09 02:25	
Ethylbenzene	ug/L	ND	5.0	06/11/09 02:25	
m&p-Xylene	ug/L	ND	10.0	06/11/09 02:25	
Methyl-tert-butyl ether	ug/L	ND	5.0	06/11/09 02:25	
Naphthalene	ug/L	ND	5.0	06/11/09 02:25	
o-Xylene	ug/L	ND	5.0	06/11/09 02:25	
tert-Amyl Alcohol	ug/L	ND	100	06/11/09 02:25	
tert-Amylmethyl ether	ug/L	ND	10.0	06/11/09 02:25	
tert-Butyl Alcohol	ug/L	ND	100	06/11/09 02:25	
tert-Butyl Formate	ug/L	ND	50.0	06/11/09 02:25	
Toluene	ug/L	ND	5.0	06/11/09 02:25	
Xylene (Total)	ug/L	ND	10.0	06/11/09 02:25	
1,2-Dichloroethane-d4 (S)	%	106	79-120	06/11/09 02:25	
4-Bromofluorobenzene (S)	%	98	87-109	06/11/09 02:25	
Dibromofluoromethane (S)	%	100	85-115	06/11/09 02:25	
Toluene-d8 (S)	%	100	70-120	06/11/09 02:25	

LABORATORY CONTROL SAMPLE: 292110

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	56.1	112	72-126	
3,3-Dimethyl-1-Butanol	ug/L	1000	941	94	55-148	
Benzene	ug/L	50	54.9	110	78-128	
Diisopropyl ether	ug/L	50	52.7	105	74-131	
Ethanol	ug/L	2000	1730	87	53-150	
Ethyl-tert-butyl ether	ug/L	100	104	104	77-136	
Ethylbenzene	ug/L	50	55.7	111	80-127	
m&p-Xylene	ug/L	100	112	112	82-127	
Methyl-tert-butyl ether	ug/L	50	52.0	104	71-130	
Naphthalene	ug/L	50	68.7	137	52-136	L0
o-Xylene	ug/L	50	55.0	110	83-124	
tert-Amyl Alcohol	ug/L	1000	1090	109	50-150	
tert-Amylmethyl ether	ug/L	100	110	110	50-150	
tert-Butyl Alcohol	ug/L	500	539	108	50-150	
tert-Butyl Formate	ug/L	400	218	55	50-150	L3
Toluene	ug/L	50	55.0	110	76-126	

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9245462

LABORATORY CONTROL SAMPLE: 292110

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	167	111	83-125	
1,2-Dichloroethane-d4 (S)	%			102	79-120	
4-Bromofluorobenzene (S)	%			99	87-109	
Dibromofluoromethane (S)	%			98	85-115	
Toluene-d8 (S)	%			97	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 292111 292112

Parameter	Units	9245840001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	50	50	57.5	56.3	115	113	74-136	2	30	
Toluene	ug/L	ND	50	50	54.4	53.4	109	107	73-131	2	30	
1,2-Dichloroethane-d4 (S)	%						106	107	79-120			
4-Bromofluorobenzene (S)	%						95	93	87-109			
Dibromofluoromethane (S)	%						99	96	85-115			
Toluene-d8 (S)	%						98	98	70-120			

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9245462

QC Batch: MPRP/4487 — Analysis Method: EPA 6010
QC Batch Method: EPA 3010 — Analysis Description: 6010 MET
Associated Lab Samples: 9245462019, 9245462020, 9245462021, 9245462022, 9245462023, 9245462024, 9245462025, 9245462026, 9245462027, 9245462028, 9245462029, 9245462030, 9245462031, 9245462032, 9245462033, 9245462034, 9245462035, 9245462036

METHOD BLANK: 288398 — Matrix: Water
Associated Lab Samples: 9245462019, 9245462020, 9245462021, 9245462022, 9245462023, 9245462024, 9245462025, 9245462026, 9245462027, 9245462028, 9245462029, 9245462030, 9245462031, 9245462032, 9245462033, 9245462034, 9245462035, 9245462036

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	06/08/09 14:01	

LABORATORY CONTROL SAMPLE: 288399

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	447	89	80-120	

MATRIX SPIKE SAMPLE: 288400

Parameter	Units	9245462019 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	ND	500	417	83	75-125	

SAMPLE DUPLICATE: 288401

Parameter	Units	9245462020 Result	Dup Result	RPD	Max RPD	Qualifiers
Lead	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9245462

QC Batch: MSV/7267 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Oxygenates
Associated Lab Samples: 9245462002, 9245462004, 9245462005, 9245462006, 9245462007, 9245462010, 9245462016, 9245462017, 9245462019, 9245462020

METHOD BLANK: 291192 Matrix: Water
Associated Lab Samples: 9245462002, 9245462004, 9245462005, 9245462006, 9245462007, 9245462010, 9245462016, 9245462017, 9245462019, 9245462020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	06/10/09 04:01	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	06/10/09 04:01	
Benzene	ug/L	ND	5.0	06/10/09 04:01	
Diisopropyl ether	ug/L	ND	5.0	06/10/09 04:01	
Ethanol	ug/L	ND	200	06/10/09 04:01	
Ethyl-tert-butyl ether	ug/L	ND	10.0	06/10/09 04:01	
Ethylbenzene	ug/L	ND	5.0	06/10/09 04:01	
m&p-Xylene	ug/L	ND	10.0	06/10/09 04:01	
Methyl-tert-butyl ether	ug/L	ND	5.0	06/10/09 04:01	
Naphthalene	ug/L	ND	5.0	06/10/09 04:01	
o-Xylene	ug/L	ND	5.0	06/10/09 04:01	
tert-Amyl Alcohol	ug/L	ND	100	06/10/09 04:01	
tert-Amylmethyl ether	ug/L	ND	10.0	06/10/09 04:01	
tert-Butyl Alcohol	ug/L	ND	100	06/10/09 04:01	
tert-Butyl Formate	ug/L	ND	50.0	06/10/09 04:01	
Toluene	ug/L	ND	5.0	06/10/09 04:01	
Xylene (Total)	ug/L	ND	10.0	06/10/09 04:01	
1,2-Dichloroethane-d4 (S)	%	104	79-120	06/10/09 04:01	
4-Bromofluorobenzene (S)	%	96	87-109	06/10/09 04:01	
Dibromofluoromethane (S)	%	100	85-115	06/10/09 04:01	
Toluene-d8 (S)	%	99	70-120	06/10/09 04:01	

LABORATORY CONTROL SAMPLE: 291193

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	55.5	111	72-126	
3,3-Dimethyl-1-Butanol	ug/L	1000	953	95	55-148	
Benzene	ug/L	50	55.0	110	78-128	
Diisopropyl ether	ug/L	50	52.6	105	74-131	
Ethanol	ug/L	2000	1930	97	53-150	
Ethyl-tert-butyl ether	ug/L	100	104	104	77-136	
Ethylbenzene	ug/L	50	53.7	107	80-127	
m&p-Xylene	ug/L	100	107	107	82-127	
Methyl-tert-butyl ether	ug/L	50	52.8	106	71-130	
Naphthalene	ug/L	50	65.4	131	52-136	
o-Xylene	ug/L	50	52.4	105	83-124	
tert-Amyl Alcohol	ug/L	1000	1080	108	50-150	
tert-Amylmethyl ether	ug/L	100	106	106	50-150	
tert-Butyl Alcohol	ug/L	500	537	107	50-150	
tert-Butyl Formate	ug/L	400	124	31	50-150	L2

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9245462

LABORATORY CONTROL SAMPLE: 291193

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	50	53.1	106	76-126	
Xylene (Total)	ug/L	150	160	106	83-125	
1,2-Dichloroethane-d4 (S)	%			102	79-120	
4-Bromofluorobenzene (S)	%			97	87-109	
Dibromofluoromethane (S)	%			98	85-115	
Toluene-d8 (S)	%			102	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 291194 291195

Parameter	Units	9245462020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	50	50	57.1	57.2	114	114	74-136	.2	30	
Toluene	ug/L	ND	50	50	55.8	56.0	112	112	73-131	.5	30	
1,2-Dichloroethane-d4 (S)	%						101	105	79-120			
4-Bromofluorobenzene (S)	%						93	90	87-109			
Dibromofluoromethane (S)	%						99	99	85-115			
Toluene-d8 (S)	%						100	101	70-120			

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9245462

QC Batch: MSV/7229
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Oxygenates
Associated Lab Samples: 9245462001

METHOD BLANK: 289823
Matrix: Water
Associated Lab Samples: 9245462001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	06/09/09 23:35	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	06/09/09 23:35	
Benzene	ug/L	ND	5.0	06/09/09 23:35	
Diisopropyl ether	ug/L	ND	5.0	06/09/09 23:35	
Ethanol	ug/L	ND	200	06/09/09 23:35	
Ethyl-tert-butyl ether	ug/L	ND	10.0	06/09/09 23:35	
Ethylbenzene	ug/L	ND	5.0	06/09/09 23:35	
m&p-Xylene	ug/L	ND	10.0	06/09/09 23:35	
Methyl-tert-butyl ether	ug/L	ND	5.0	06/09/09 23:35	
Naphthalene	ug/L	ND	5.0	06/09/09 23:35	
o-Xylene	ug/L	ND	5.0	06/09/09 23:35	
tert-Amyl Alcohol	ug/L	ND	100	06/09/09 23:35	
tert-Amylmethyl ether	ug/L	ND	10.0	06/09/09 23:35	
tert-Butyl Alcohol	ug/L	ND	100	06/09/09 23:35	
tert-Butyl Formate	ug/L	ND	50.0	06/09/09 23:35	
Toluene	ug/L	ND	5.0	06/09/09 23:35	
Xylene (Total)	ug/L	ND	10.0	06/09/09 23:35	
1,2-Dichloroethane-d4 (S)	%	105	79-120	06/09/09 23:35	
4-Bromofluorobenzene (S)	%	96	87-109	06/09/09 23:35	
Dibromofluoromethane (S)	%	104	85-115	06/09/09 23:35	
Toluene-d8 (S)	%	104	70-120	06/09/09 23:35	

LABORATORY CONTROL SAMPLE: 289824

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	53.0	106	72-126	
3,3-Dimethyl-1-Butanol	ug/L	1000	907	91	55-148	
Benzene	ug/L	50	51.3	103	78-128	
Diisopropyl ether	ug/L	50	50.3	101	74-131	
Ethanol	ug/L	2000	1850	93	53-150	
Ethyl-tert-butyl ether	ug/L	100	98.3	98	77-136	
Ethylbenzene	ug/L	50	51.9	104	80-127	
m&p-Xylene	ug/L	100	104	104	82-127	
Methyl-tert-butyl ether	ug/L	50	48.1	96	71-130	
Naphthalene	ug/L	50	65.1	130	52-136	
o-Xylene	ug/L	50	52.3	105	83-124	
tert-Amyl Alcohol	ug/L	1000	814	81	50-150	
tert-Amylmethyl ether	ug/L	100	98.3	98	50-150	
tert-Butyl Alcohol	ug/L	500	402	80	50-150	
tert-Butyl Formate	ug/L	400	279	70	50-150	
Toluene	ug/L	50	51.0	102	76-126	

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9245462

LABORATORY CONTROL SAMPLE: 289824

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	157	104	83-125	
1,2-Dichloroethane-d4 (S)	%			98	79-120	
4-Bromofluorobenzene (S)	%			97	87-109	
Dibromofluoromethane (S)	%			103	85-115	
Toluene-d8 (S)	%			104	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 289825 289826

Parameter	Units	9245683014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	50	50	60.0	57.2	120	114	74-136	5	30	
Toluene	ug/L	ND	50	50	58.5	56.5	117	113	73-131	3	30	
1,2-Dichloroethane-d4 (S)	%						104	108	79-120			
4-Bromofluorobenzene (S)	%						94	92	87-109			
Dibromofluoromethane (S)	%						106	106	85-115			
Toluene-d8 (S)	%						104	104	70-120			

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9245462

QC Batch: MPRP/4486 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 9245462001, 9245462002, 9245462003, 9245462004, 9245462005, 9245462006, 9245462007, 9245462008, 9245462009, 9245462010, 9245462011, 9245462012, 9245462013, 9245462014, 9245462015, 9245462016, 9245462017, 9245462018

METHOD BLANK: 288291 Matrix: Water
Associated Lab Samples: 9245462001, 9245462002, 9245462003, 9245462004, 9245462005, 9245462006, 9245462007, 9245462008, 9245462009, 9245462010, 9245462011, 9245462012, 9245462013, 9245462014, 9245462015, 9245462016, 9245462017, 9245462018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	06/05/09 22:26	

LABORATORY CONTROL SAMPLE: 288292

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	411	82	80-120	

MATRIX SPIKE SAMPLE: 288293

Parameter	Units	9245309005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	ND	500	419	84	75-125	

SAMPLE DUPLICATE: 288294

Parameter	Units	9245309006 Result	Dup Result	RPD	Max RPD	Qualifiers
Lead	ug/L	ND	ND		20	

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2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

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

QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9245462

QC Batch: WETA/5193 — Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 — Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 9245462021, 9245462022, 9245462023, 9245462024, 9245462025, 9245462026, 9245462027, 9245462028, 9245462029, 9245462030, 9245462031, 9245462032, 9245462033, 9245462034, 9245462035, 9245462036

METHOD BLANK: 287864 — Matrix: Water
Associated Lab Samples: 9245462021, 9245462022, 9245462023, 9245462024, 9245462025, 9245462026, 9245462027, 9245462028, 9245462029, 9245462030, 9245462031, 9245462032, 9245462033, 9245462034, 9245462035, 9245462036

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	06/02/09 22:38	

LABORATORY CONTROL SAMPLE: 287865

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	5	5.1	101	90-110	

MATRIX SPIKE SAMPLE: 287866

Parameter	Units	9245462030 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	7.5	5	13.2	113	90-110	M0

MATRIX SPIKE SAMPLE: 287867

Parameter	Units	9245462031 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	6.3	5	11.2	98	90-110	

SAMPLE DUPLICATE: 287868

Parameter	Units	9245462023 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	2.2	2.2	1	20	

SAMPLE DUPLICATE: 287869

Parameter	Units	9245462029 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	2.7	2.7	1	20	

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9245462

QC Batch: OEXT/7000 — Analysis Method: EPA 8011
QC Batch Method: EPA 8011 — Analysis Description: GCS 8011 EDB DBCP

Associated Lab Samples: 9245462015, 9245462016, 9245462017, 9245462018, 9245462019, 9245462020, 9245462021, 9245462022, 9245462023, 9245462024, 9245462025, 9245462026, 9245462027, 9245462028, 9245462029, 9245462030, 9245462031, 9245462032, 9245462033

METHOD BLANK: 289839 — Matrix: Water

Associated Lab Samples: 9245462015, 9245462016, 9245462017, 9245462018, 9245462019, 9245462020, 9245462021, 9245462022, 9245462023, 9245462024, 9245462025, 9245462026, 9245462027, 9245462028, 9245462029, 9245462030, 9245462031, 9245462032, 9245462033

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	06/08/09 17:16	
1-Chloro-2-bromopropane (S)	%	94	60-140	06/08/09 17:16	

LABORATORY CONTROL SAMPLE & LCSD: 289840 — 289841

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.29	0.30	0.29	106	102	60-140	6	20	
1-Chloro-2-bromopropane (S)	%				106	97	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 289842 — 289843

Parameter	Units	9245462015 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	.27	.27	0.27	0.29	100	106	60-140	6	20	
1-Chloro-2-bromopropane (S)	%						93	99	60-140			

SAMPLE DUPLICATE: 289844

Parameter	Units	9245462016 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.11	0.12	11	20	
1-Chloro-2-bromopropane (S)	%		104	19		

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9245462

QC Batch: OEXT/6969 — Analysis Method: EPA 8011
QC Batch Method: EPA 8011 — Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 9245462001, 9245462002, 9245462003, 9245462004, 9245462005, 9245462006, 9245462007, 9245462008, 9245462009, 9245462010, 9245462011, 9245462012, 9245462013, 9245462014

METHOD BLANK: 288056 — Matrix: Water
Associated Lab Samples: 9245462001, 9245462002, 9245462003, 9245462004, 9245462005, 9245462006, 9245462007, 9245462008, 9245462009, 9245462010, 9245462011, 9245462012, 9245462013, 9245462014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	06/07/09 13:53	
1-Chloro-2-bromopropane (S)	%	98	60-140	06/07/09 13:53	

LABORATORY CONTROL SAMPLE & LCSD: 288057 288058

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.28	0.27	0.28	96	102	60-140	3	20	
1-Chloro-2-bromopropane (S)	%				94	98	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 288059 288060

Parameter	Units	9245564014 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	0.86	.27	.27	1.1	1.1	92	102	60-140	2	20	
1-Chloro-2-bromopropane (S)	%						127	128	60-140			

SAMPLE DUPLICATE: 288061

Parameter	Units	9245564015 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%		100	.5		

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9245462

QC Batch: OEXT/7015 — Analysis Method: EPA 8011
QC Batch Method: EPA 8011 — Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 9245462034, 9245462035, 9245462036

METHOD BLANK: 290877 — Matrix: Water
Associated Lab Samples: 9245462034, 9245462035, 9245462036

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	06/09/09 20:53	
1-Chloro-2-bromopropane (S)	%	99	60-140	06/09/09 20:53	

LABORATORY CONTROL SAMPLE & LCSD: 290878 290879

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.28	0.27	0.29	96	104	60-140	9	20	
1-Chloro-2-bromopropane (S)	%				105	106	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 290880 290881

Parameter	Units	9245462034 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	.28	.28	0.32	0.27	116	98	60-140	17	20	
1-Chloro-2-bromopropane (S)	%						114	95	60-140			

SAMPLE DUPLICATE: 290882

Parameter	Units	9245462035 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%		109	.1		

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QUALIFIERS

Project: CORNER STOP 28
Pace Project No.: 9245462

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

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

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

ANALYTE QUALIFIERS

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H1	Analysis conducted outside the EPA method holding time.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery was outside laboratory control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

June 11, 2009

Kevin Herring
Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville NC 28078

TEL: (704) 875-9092
FAX: (704) 875-9091

RE: 9245462

Dear Kevin Herring: Order No: 0906286

Analytical Environmental Services, Inc. received 16 samples on June 3, 2009 11:25 am for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/08-06/30/09.
-AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 08/01/09.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

James Forrest
Project Manager

3785 PRESIDENTIAL PARKWAY • ATLANTA, GEORGIA 30340 • TEL: (770) 457-8177 • FAX: (770)457-8188

0906286

Chain of Custody

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Workorder: 9245462 **Workorder Name:** CORNER STOP 28 **Results Requested** 6/11/2009

Report / Invoice To

Kevin Herring
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
Phone (704)875-9092
Email: kevin.herring@pacelabs.com

Subcontract To

AES

P.O. CHS0010150

Requested Analysis

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved							LAB USE ONLY
1	MW-12R	6/1/2009 13:10	9245462021	Water								
2	MW-19R	6/1/2009 12:00	9245462022	Water								
3	MW-29	6/1/2009 10:50	9245462023	Water								
4	MW-30	6/1/2009 12:30	9245462024	Water								
5	MW-31	6/1/2009 12:50	9245462025	Water								
6	MW-32	6/1/2009 13:40	9245462026	Water								
7	MW-34	6/1/2009 13:30	9245462027	Water								
8	MW-35	6/1/2009 11:00	9245462028	Water								
9	MW-36	6/1/2009 10:50	9245462029	Water								
10	MW-37	6/1/2009 10:30	9245462030	Water								
11	MW-38	6/1/2009 10:40	9245462031	Water								
12	MW-39	6/1/2009 11:10	9245462032	Water								
13	MW-40	6/1/2009 11:40	9245462033	Water								
14	MW-42	6/1/2009 11:30	9245462034	Water								
15	MW-43	6/1/2009 11:40	9245462035	Water								
16	T-3	6/1/2009 14:40	9245462036	Water								
17												
18												
19												
20												

Page 2 of 20

Mell 6/3/9 11.25

Analytical Environmental Services, Inc

Date: 9-Jun-09

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	MW-12 R
Project:	9245462	**Collection Date:**	6/1/2009 1:10:00 PM
Lab ID:	0906286-001	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
ION SCAN SW9056A								
Sulfate	2.6	1.0		mg/L	R149269	1	06/04/2009 08:59	GR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc

Date: 9-Jun-09

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	MW-19 R
Project:	9245462	**Collection Date:**	6/1/2009 12:00:00 PM
Lab ID:	0906286-002	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
ION SCAN SW9056A								
Sulfate	BRL	1.0		mg/L	R149269	1	06/04/2009 09:14	GR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc

Date: 9-Jun-09

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	MW-29
Project:	9245462	**Collection Date:**	6/1/2009 10:50:00 AM
Lab ID:	0906286-003	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
ION SCAN SW9056A								
Sulfate	8.0	1.0		mg/L	R149269	1	06/04/2009 09:29	GR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc **Date:** 9-Jun-09

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	MW-30
Project:	9245462	**Collection Date:**	6/1/2009 12:30:00 PM
Lab ID:	0906286-004	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
ION SCAN SW9056A								
Sulfate	2.0	1.0		mg/L	R149269	1	06/04/2009 09:43	GR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc

Date: 9-Jun-09

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	MW-31
Project:	9245462	**Collection Date:**	6/1/2009 12:50:00 PM
Lab ID:	0906286-005	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
ION SCAN SW9056A								
Sulfate	4.6	1.0		mg/L	R149269	1	06/04/2009 09:58	GR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc

Date: 9-Jun-09

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	MW-32
Project:	9245462	**Collection Date:**	6/1/2009 1:40:00 PM
Lab ID:	0906286-006	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
ION SCAN SW9056A								
Sulfate	17	1.0		mg/L	R149269	1	06/04/2009 10:13	GR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc **Date:** 9-Jun-09

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	MW-34
Project:	9245462	**Collection Date:**	6/1/2009 1:30:00 PM
Lab ID:	0906286-007	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
ION SCAN SW9056A								
Sulfate	BRL	1.0		mg/L	R149269	1	06/04/2009 10:28	GR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc **Date:** 9-Jun-09

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	MW-35
Project:	9245462	**Collection Date:**	6/1/2009 11:00:00 AM
Lab ID:	0906286-008	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
ION SCAN SW9056A								
Sulfate	13	1.0		mg/L	R149269	1	06/04/2009 10:42	GR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc

Date: 9-Jun-09

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	MW-36
Project:	9245462	**Collection Date:**	6/1/2009 10:50:00 AM
Lab ID:	0906286-009	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
ION SCAN SW9056A								
Sulfate	6.9	1.0		mg/L	R149269	1	06/04/2009 12:10	GR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc

Date: 9-Jun-09

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	MW-37
Project:	9245462	**Collection Date:**	6/1/2009 10:30:00 AM
Lab ID:	0906286-010	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
ION SCAN SW9056A								
Sulfate	65	1.0		mg/L	R149269	1	06/04/2009 12:25	GR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc

Date: 9-Jun-09

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	MW-38
Project:	9245462	**Collection Date:**	6/1/2009 10:40:00 AM
Lab ID:	0906286-011	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
ION SCAN SW9056A								
Sulfate	67	1.0		mg/L	R149269	1	06/04/2009 12:40	GR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc

Date: 9-Jun-09

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	MW-39
Project:	9245462	**Collection Date:**	6/1/2009 11:10:00 AM
Lab ID:	0906286-012	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
ION SCAN SW9056A								
Sulfate	4.5	1.0		mg/L	R149269	1	06/04/2009 12:55	GR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc **Date:** 9-Jun-09

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	MW-40
Project:	9245462	**Collection Date:**	6/1/2009 11:40:00 AM
Lab ID:	0906286-013	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
ION SCAN SW9056A								
Sulfate	13	1.0		mg/L	R149269	1	06/04/2009 13:09	GR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc **Date:** 9-Jun-09

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	MW-42
Project:	9245462	**Collection Date:**	6/1/2009 11:30:00 AM
Lab ID:	0906286-014	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
ION SCAN SW9056A								
Sulfate	5.6	1.0		mg/L	R149269	1	06/04/2009 13:24	GR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc

Date: 9-Jun-09

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	MW-43
Project:	9245462	**Collection Date:**	6/1/2009 11:40:00 AM
Lab ID:	0906286-015	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
ION SCAN SW9056A								
Sulfate	4.3	1.0		mg/L	R149269	1	06/04/2009 13:39	GR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc

Date: 9-Jun-09

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	T-3
Project:	9245462	**Collection Date:**	6/1/2009 2:40:00 PM
Lab ID:	0906286-016	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
ION SCAN SW9056A								
Sulfate	87	1.0		mg/L	R149269	1	06/04/2009 13:53	GR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client PACE Work Order Number 0906286

Checklist completed by Erol A. 6/3/09
Signature Date

Carrier name: FedEx ✓ UPS __ Courier __ Client __ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ No __

Cooler #1 3.2°C Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ ea 6/3/09 No ✓

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted ✓ Yes __ No __

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by EA

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

Analytical Environmental Services, Inc.

Date: *08-Jun-09*

CLIENT: Pace Analytical Services, Inc.
Work Order: 0906286
Project: 9245462

ANALYTICAL QC SUMMARY REPORT

TestCode: ION SCAN SW9056A

Sample ID: **MB-R149269** SampType: **MBLK** Batch ID: **R149269** Units: **mg/L** Prep Date: RunNo: **149269**
Client ID: TestCode: **ION SCAN SW9056A** Analysis Date: **6/4/2009** SeqNo: **3068372**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfate	BRL	1.0	0	0	0	0	0	0	0		

Sample ID: **LCS-R149269** SampType: **LCS** Batch ID: **R149269** Units: **mg/L** Prep Date: RunNo: **149269**
Client ID: TestCode: **ION SCAN SW9056A** Analysis Date: **6/4/2009** SeqNo: **3068371**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfate	25.07	1.0	25	0	100	90	110	0	0		

Sample ID: **0906286-006AMS** SampType: **MS** Batch ID: **R149269** Units: **mg/L** Prep Date: RunNo: **149269**
Client ID: **MW-32** TestCode: **ION SCAN SW9056A** Analysis Date: **6/4/2009** SeqNo: **3068383**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfate	41.34	1.0	25	16.97	97.5	90	110	0	0		

Sample ID: **0906286-012AMS** SampType: **MS** Batch ID: **R149269** Units: **mg/L** Prep Date: RunNo: **149269**
Client ID: **MW-39** TestCode: **ION SCAN SW9056A** Analysis Date: **6/4/2009** SeqNo: **3068396**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfate	30.02	1.0	25	4.457	102	90	110	0	0		

Sample ID: **0906286-006AMSD** SampType: **MSD** Batch ID: **R149269** Units: **mg/L** Prep Date: RunNo: **149269**
Client ID: **MW-32** TestCode: **ION SCAN SW9056A** Analysis Date: **6/4/2009** SeqNo: **3068384**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfate	41.36	1.0	25	16.97	97.5	90	110	41.34	0.0322	20	

Qualifiers:

<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

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CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 3

1156380

Section A Required Client Information:

Company: Kim
Address: P.O Box 27011
Greer Creek SC
Email To: mark.kilb@[illegible]
Phone: 803 804 085 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Mark Kilb
Copy To:
Purchase Order No.:
Project Name: Corner stop 28
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 824-3

REGULATORY AGENCY

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

Site Location STATE: SC Greenwood

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	BTEX Aqueous matrix	1,2 DCA	Lead	EDB	8 Oxygenates	Nitrate	Sulfate	Ferrous Iron					Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	mw-2	WT	G			6-01-09	1120		7										X	X	X	X	X									001
2	mw-3						1140		7																							002
3	mw-5						1340		7																							003
4	mw-6R						1350		7																							004
5	mw-9						1100		7																							005
6	mw-10						1110		7																							006
7	mw-12R						1310		9															X	X	X						007
8	mw-13						1330		7																							008
9	mw-14						1210		7																							009
10	mw-16						1240		7																							010
11	mw-17						1130		7																							011
12	mw-19R						1200		9										X	X	X	X	X	X	X	X						012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Jason Bartz	6-1-09		S.d EX						
				[illegible] / Pace	6/2/09	9:30	3.9	yes	no	yes

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jason Bartz

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 6-1-09

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

2

*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

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1156381

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Kim	Report To: Mark Kallet	Attention:
Address: PO Box 2704	Copy To:	Company Name:
Grove Creek		Address:
Email To: mkallet@bellsouthcomcast.net	Purchase Order No.:	Pace Quote Reference:
Phone: 843 210 4285 Fax:	Project Name: Corner Stop #28	Pace Project Manager:
Requested Due Date/TAT:	Project Number:	Pace Profile #:

REGULATORY AGENCY

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

Site Location STATE: SC Greenwood

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start Date	Composite Start Time	Composite End/Grab Date	Composite End/Grab Time	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	BTEX MtBE	12 DCA	Lead	EDB	8 Oxygenates	Nitrate	Sulfate	Ferrous Iron	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	mw-20	WT	G			6-1-09	1320												X	X	X	X	X					11
2	mw-21						1250																					12
3	mw-23						1400																					13
4	mw-24						1220																					14
5	mw-25						1040																					15
6	mw-26						1200																					16
7	mw-27						1450																					17
8	mw-28						1500																					18
9	mw-29						1050																	X	X	X		23
10	mw-30						1230																					24
11	mw-31						1250																					25
12	mw-32						1340												X	X	X	X	X	X	X	X		26

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Jason Baxter	6-1-09	1600	Fed Ex	6-1-09	1600				
				CWelsh/Pace	6-2-09	9:30	3.9	yes	no	yes

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jason Baxter

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 6-1-09

*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.

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CHAIN-OF-CUSTODY / Analytical Request Document

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1156382

Section A Required Client Information:

Company: KIM
Address: P.O Box 2204
Goose Creek SC
Email To: mkuller@13lacomcast.net
Phone: 2433704285 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Mark Kuller
Copy To:
Purchase Order No.:
Project Name: Corner stop #28
Project Number:

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: SC Greenwood

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start Date	Composite Start Time	Composite End/Grab Date	Composite End/Grab Time	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): BTEX MTBE	1,2 DCA	Lead	EDB	8 Oxygenates	Nitrate	Sulfate	Ferrous Iron	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-34	WT	G			6-1-09	1330		9									X	X	X	X	X	X	X	X		92453462
2	MW-35						1100																				28
3	MW-36						1050																				29
4	MW-37						1030																				30
5	MW-38						1040																				31
6	MW-39						1110																				32
7	MW-40						1120																				33
8	MW-42						1130																				34
9	MW-43						1140		X									X	X	X	X	X	X	X	X		35
10	T-1						1420		7									X	X	X	X	X					19
11	T-2						1300		7									X	X	X	X	X					20
12	T-3	X	X			X	1440		9									X	X	X	X	X	X	X	X		36

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Jason Baxter	6-1-09	1600	Fed Ex	6-1-09	1600				
				Cwilliams/Pace	6-2-09	9:30	39	yes	No	yes

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jason Baxter

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 6-1-09

2

*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.

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Page: 1 of 1

1156378

Section A Required Client Information:

Company: KLM Env.
Address: Po Box 2704
Goose Creek SC 29445
Email To: mkeller131@comcast.net
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Mark Keller
Copy To:
Purchase Order No.:
Project Name: Cornerstop 28
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 824-7

REGULATORY AGENCY

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

Site Location STATE: SC

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N): Y/N; Analysis Test: Gamma Spec

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Gamma Spec)	Residual Chlorine (Y/N)	Pace Project No./Lab I.D.
1	MW-15R			5/20/09			1300											X		001
2	TW-3			5/21/09			1000											X		002
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[illegible]	5/26/09	1700	[illegible] / Pace	5/27/09	10:10	6.0	Yes	NA	Yes

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

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.

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

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 1

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 48.57 ft. 48.11

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (*)								
Dissolved Oxygen								
Water Temp (°C)								
Salinity								
OVA Readings								

Sample Time:

Ft. No Sample

serverC/admin/DHECfieldatasht/doc.

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 2

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 55 ft.
Depth to GW (DWG) 41.06 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	2.5							
Time (military)	1120							
pH (s.u.)	4.62							
Specific Cond. (mS/cm)	.273							
Turbidity (*)	64							
Dissolved Oxygen	13.71							
Water Temp (°C)	22.2							
Salinity	0.01							
OVA Readings	–							

Sample Time: 1120

Purge 2.5

serverC/admin/DHECfielddatasht/doc.

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 3

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 55 ft.
Depth to GW (DWG) 46.60 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1140							
pH (s.u.)	4.83							
Specific Cond. (mS/cm)	.256							
Turbidity (*)	71							
Dissolved Oxygen	10.11							
Water Temp (°C)	22.5							
Salinity	0							
OVA Readings	—							

Sample Time: 1140

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09.
Field Personnel J. Boots and M. Bennett.
General Weather Condition Sunny.
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

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

Conductivity Meter: Horiba
serial no. _____
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 4

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ft.
Depth to GW (DWG) Dry ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (*)								
Dissolved Oxygen								
Water Temp (°C)								
Salinity								
OVA Readings								

Sample Time:

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba — Conductivity Meter: Horiba
serial no. ____ — serial no. ____
pH=4.0 Internal — Standard Internal
pH=7.0 Internal — Standard Internal
pH=10.0 Internal — Standard Internal

Chain of Custody

Relinquished by — Date/Time — Received by — Date/Time

Well # MW- 5

Well Diameter(D) 2 Inches or ____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 47.92 ft.

Length of Water Column (LWC=TWD-DGW) ____ ft.

1 Csg. Volume (LWC*C)= ____ x .163 = ____ gals.
3 Csg. Volumes = 3 x ____ = ____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling ____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1340							
pH (s.u.)	4.67							
Specific Cond. (mS/cm)	.178							
Turbidity (*)	392							
Dissolved Oxygen	3.17							
Water Temp (°C)	22.0							
Salinity	0							
OVA Readings	–							

Sample Time: 1340

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09.
Field Personnel J. Boots and M. Bennett.
General Weather Condition Sunny.
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 6R

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 65 ft.
Depth to GW (DWG) 58.77 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1350							
pH (s.u.)	4.71							
Specific Cond. (mS/cm)	.178							
Turbidity (*)	299							
Dissolved Oxygen	3.42							
Water Temp (°C)	21.5							
Salinity	0							
OVA Readings	—							

Sample Time: 1350

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09.
Field Personnel J. Boots and M. Bennett.
General Weather Condition Sunny.
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 7

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ft.
Depth to GW (DWG) 59.02 ft. 58.98

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (*)								
Dissolved Oxygen								
Water Temp (°C)								
Salinity								
OVA Readings								

Sample Time: F.P. No Sample

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 9

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 36.70 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1100							
pH (s.u.)	4.61							
Specific Cond. (mS/cm)	.268							
Turbidity (*)	823							
Dissolved Oxygen	933							
Water Temp (°C)	21.5							
Salinity	0.01							
OVA Readings	—							

Sample Time: 11 00

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09.
Field Personnel J. Boots and M. Bennett.
General Weather Condition Sunny.
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 10

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ft.
Depth to GW (DWG) 35.85 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1110							
pH (s.u.)	5.39							
Specific Cond. (mS/cm)	.161							
Turbidity (*)	62							
Dissolved Oxygen	12.61							
Water Temp (°C)	23.3							
Salinity	0							
OVA Readings	-							

Sample Time: 1110

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09.
Field Personnel J. Boots and M. Bennett.
General Weather Condition Sunny.
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 11

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ft.
Depth to GW (DWG) 54.85 ft. 54.73

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (*)								
Dissolved Oxygen								
Water Temp (°C)								
Salinity								
OVA Readings								

Sample Time: F.P. No sample

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 12 R

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 40 62 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5							
Time (military)	1307							
pH (s.u.)	4.83							
Specific Cond. (mS/cm)	.183							
Turbidity (*)								
Dissolved Oxygen	3.12							
Water Temp (°C)	22.2							
Salinity	0							
OVA Readings	–							

Sample Time: 1310

Dry @ 5 gal

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/26/09.
Field Personnel W. Infinger and M. Bennett.
General Weather Condition Sunny.
Ambient Air Temperature 85 °F
Facility Name Scotchman 94 Site ID# 05109

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 13

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 41.75 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1330							
pH (s.u.)	5.04							
Specific Cond. (mS/cm)	.117							
Turbidity (*)	999							
Dissolved Oxygen	9.99							
Water Temp (°C)	22.7							
Salinity	0							
OVA Readings	–							

Sample Time: 1330

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09.
Field Personnel J. Boots and M. Bennett.
General Weather Condition Sunny.
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba — Conductivity Meter: Horiba
serial no. ____ — serial no. ____
pH=4.0 Internal — Standard Internal
pH=7.0 Internal — Standard Internal
pH=10.0 Internal — Standard Internal

Chain of Custody

Relinquished by — Date/Time — Received by — Date/Time

Well # MW- 14

Well Diameter(D) 2 Inches or ____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 65 ft.
Depth to GW (DWG) 56.31 ft.

Length of Water Column (LWC=TWD-DGW) ____ft.

1 Csg. Volume (LWC*C)= ____ x .163 = ____ gals.
3 Csg. Volumes = 3 x ____ = ____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling ____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1210							
pH (s.u.)	5.54							-
Specific Cond. (mS/cm)	.080							
Turbidity (*)	191							
Dissolved Oxygen	3.98							
Water Temp (°C)	21.2							
Salinity	0.00							
OVA Readings	–							

Sample Time: 1210

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 15

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) dry ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (*)								
Dissolved Oxygen								
Water Temp (°C)								
Salinity								
OVA Readings								

Sample Time:

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- ~~15B~~ ~~15D~~ 15R

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 59.86 ft. 59.87

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (*)								
Dissolved Oxygen								
Water Temp (°C)								
Salinity								
OVA Readings								

Sample Time: F.P. No Sample

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW-16

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 56.33 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1240							
pH (s.u.)	4.68							
Specific Cond. (mS/cm)	.096							
Turbidity (*)	19							
Dissolved Oxygen	4.31							
Water Temp (°C)	20.5							
Salinity	0							
OVA Readings	—							

Sample Time: 1240

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 17

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 38.80 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	4							
Time (military)	1130							
pH (s.u.)	4.71							
Specific Cond. (mS/cm)	122							
Turbidity (*)	74							
Dissolved Oxygen	11.34							
Water Temp (°C)	22.5							
Salinity	0							
OVA Readings	—							

Sample Time: 1130

Purge 4 gal.

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 18

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 55.92 ft. 55.72

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (*)								
Dissolved Oxygen								
Water Temp (°C)								
Salinity								
OVA Readings								

Sample Time:

F.P. No Sample

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09.
Field Personnel J. Boots and M. Bennett.
General Weather Condition Sunny.
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

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

Conductivity Meter: Horiba
serial no. _____
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 19

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ft.
Depth to GW (DWG) dry ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (*)								
Dissolved Oxygen								
Water Temp (°C)								
Salinity								
OVA Readings								

Sample Time:

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09.
Field Personnel J. Boots and M. Bennett.
General Weather Condition Sunny.
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Well # MW- 19 R

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 60.48 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	2	4	6					
Time (military)	1151	1156	1159					
pH (s.u.)	4.81	4.80	4.77					
Specific Cond. (mS/cm)	.188	.180	.167					
Turbidity (*)	64	71	92					
Dissolved Oxygen	9.64	9.71	10.34					
Water Temp (°C)	24.0	23.9	23.7					
Salinity	0	0	0					
OVA Readings	—	—	—					

Sample Time: 1200

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 20

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 54.50 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1320							
pH (s.u.)	7.07							
Specific Cond. (mS/cm)	.058							
Turbidity (*)	504							
Dissolved Oxygen	3.25							
Water Temp (°C)	21.9							
Salinity	0.00							
OVA Readings								

Sample Time: 1320

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Well # MW- 21

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 65 ft.
Depth to GW (DWG) 60.68 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1250							
pH (s.u.)	5.89							
Specific Cond. (mS/cm)	.138							
Turbidity (*)	999							
Dissolved Oxygen	.93							
Water Temp (°C)	23.6°							
Salinity	0.00							
OVA Readings								

Sample Time: 1250

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09.
Field Personnel J. Boots and M. Bennett.
General Weather Condition Sunny.
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 22

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ft.
Depth to GW (DWG) 59 55 ft. 60 01

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (*)								
Dissolved Oxygen								
Water Temp (°C)								
Salinity								
OVA Readings								

Sample Time:

FP No sample

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 23

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 65 ft.
Depth to GW (DWG) 59.87 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1400							
pH (s.u.)	4.57							
Specific Cond. (mS/cm)	.010							
Turbidity (*)	999							
Dissolved Oxygen	3.49							
Water Temp (°C)	21.2							
Salinity	0							
OVA Readings	–							

Sample Time: 1400

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 24

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 65 ft.
Depth to GW (DWG) 58.71 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1220							
pH (s.u.)	4.58							
Specific Cond. (mS/cm)	.131							
Turbidity (*)	999							
Dissolved Oxygen	4.99							
Water Temp (°C)	21.5							
Salinity	0							
OVA Readings	—							

Sample Time: 1220

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 25

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 65 ft.
Depth to GW (DWG) 33.76 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5	10	15					
Time (military)	1030	1035	1040					
pH (s.u.)	4.57	4.51	4.50					
Specific Cond. (mS/cm)	.296	.291	.290					
Turbidity (*)	999	716	299					
Dissolved Oxygen	10.77	4.76	3.72					
Water Temp (°C)	21.5	21.5	21.4					
Salinity	0	0	0					
OVA Readings	—	—	—					

Sample Time: 1040

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 26

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 65 ft.
Depth to GW (DWG) 52.14 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1200							
pH (s.u.)	5.83							
Specific Cond. (mS/cm)	.180							
Turbidity (*)	191							
Dissolved Oxygen	1.49							
Water Temp (°C)	22.0							
Salinity	0.00							
OVA Readings								

Sample Time: 1200

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09.
Field Personnel J. Boots and M. Bennett.
General Weather Condition Sunny.
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba — Conductivity Meter: Horiba
serial no. — serial no.
pH=4.0 Internal — Standard Internal
pH=7.0 Internal — Standard Internal
pH=10.0 Internal — Standard Internal

Chain of Custody

Relinquished by — Date/Time — Received by — Date/Time

Well # **MW-** 27

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 65 ft.
Depth to GW (DWG) 53.42 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1450							
pH (s.u.)	6.44							
Specific Cond. (mS/cm)	.427							
Turbidity (*)	3.08							
Dissolved Oxygen	5.59							
Water Temp (°C)	2.22							
Salinity	0.01							
OVA Readings	—							

Sample Time: 1450

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 28

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 65 ft.
Depth to GW (DWG) 48.57 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1500							
pH (s.u.)	5.78							
Specific Cond. (mS/cm)	.369							
Turbidity (*)	25							
Dissolved Oxygen	5.37							
Water Temp (°C)	22.2							
Salinity	0.01							
OVA Readings	—							

Sample Time: 1500

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 29

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 33.10 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	7	14						
Time (military)	1047							
pH (s.u.)	4.59							
Specific Cond. (mS/cm)	.289							
Turbidity (*)	906							
Dissolved Oxygen	9.50							
Water Temp (°C)	21.5							
Salinity	0.01							
OVA Readings	—							

Sample Time: 1050

Dry @ 7 gal.

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 30

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 50.21 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	3.5	7	10.5					
Time (military)	1223	1225	1230					
pH (s.u.)	4.83	4.79	4.81					
Specific Cond. (mS/cm)	.218	.214	.213					
Turbidity (*)	21	34	60					
Dissolved Oxygen	7.60	7.21	6.15					
Water Temp (°C)	22.2	22.1	22.1					
Salinity	0	0	0					
OVA Readings	–	–	–					

Sample Time: 1230

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 31

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 37.01 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5.5	11	16.5					
Time (military)	1242	1246	1250					
pH (s.u.)	4.34	4.12	4.21					
Specific Cond. (mS/cm)	.123	.244	.214					
Turbidity (*)	551	312	300					
Dissolved Oxygen	6.92	6.15	5.77					
Water Temp (°C)	22.0	22.0	21.9					
Salinity	0	0	0					
OVA Readings	~~0~~	–	–					

Sample Time: 1250

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW-32

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 44.40 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5	10	15					
Time (military)	1336	1337	1339					
pH (s.u.)	5.62	5.59	5.58					
Specific Cond. (mS/cm)	.090	.091	.091					
Turbidity (*)	287	276	250					
Dissolved Oxygen	3.97	3.98	3.98					
Water Temp (°C)	19.9	20.8	21.2					
Salinity	0.00	0.00	0.00					
OVA Readings								

Sample Time: 1340

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 33

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 52.06 - 52.87

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (*)								
Dissolved Oxygen								
Water Temp (°C)								
Salinity								
OVA Readings								

Sample Time: Free product

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09.
Field Personnel J. Boots and M. Bennett.
General Weather Condition Sunny.
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # **MW-** 34

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 53.79 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	3	6	9					
Time (military)	1322	1325	1330					
pH (s.u.)	5.18	5.15	5.10					
Specific Cond. (mS/cm)	.101	.217	.171					
Turbidity (*)	261	266	300					
Dissolved Oxygen	1.15	1.97	2.15					
Water Temp (°C)	22.1	22.1	22.0					
Salinity	0.00	0.00	0.00					
OVA Readings	–	–	–					

Sample Time: 1330

serverC/admin/DHECfielddatasht/doc

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 35

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 39.12 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5							
Time (military)	11:00							
pH (s.u.)	6.21							
Specific Cond. (mS/cm)	.115							
Turbidity (*)	10							
Dissolved Oxygen	6.04							
Water Temp (°C)	21.1							
Salinity	0.00							
OVA Readings	-							

Sample Time: 1100

Dry at 5 gallons

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09.
Field Personnel J. Boots and M. Bennett.
General Weather Condition Sunny.
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 36

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652 70.00
Total Well Depth (TWD) [redacted] ft.
Depth to GW (DWG) 50.30 ft.

Length of Water Column (LWC=TWD-DGW) 19.70 ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	3	7	11					
Time (military)	1041	1046	1050					
pH (s.u.)	5.80	5.77	5.70					
Specific Cond. (mS/cm)	.129	.127	.123					
Turbidity (*)	421	415	410					
Dissolved Oxygen	6.12	6.12	6.01					
Water Temp (°C)	20.3	20.2	20.1					
Salinity	0.00	0	0					
OVA Readings	–	–	–					

Sample Time: 1050

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW-37

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 37.96 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	6							
Time (military)	1030							
pH (s.u.)	5.43							
Specific Cond. (mS/cm)	.284							
Turbidity (*)	354							
Dissolved Oxygen	3.31							
Water Temp (°C)	26.3							
Salinity	0.01							
OVA Readings								

Sample Time: 1030

Dry at 6 gal.

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 38

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) ~~41.90~~ 70 ft.
Depth to GW (DWG) 41.90 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5	10	15					
Time (military)	1030	1035	1040					
pH (s.u.)	5.46	5.72	5.83					
Specific Cond. (mS/cm)	.174	.102	.155					
Turbidity (*)	82	167	212					
Dissolved Oxygen	3.52	3.59	3.74					
Water Temp (°C)	19.2	19.0	19.0					
Salinity	0.00	0.00	0.00					
OVA Readings	-	-	-					

Sample Time: 1040

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba — Conductivity Meter: Horiba
serial no. — serial no.
pH=4.0 Internal — Standard Internal
pH=7.0 Internal — Standard Internal
pH=10.0 Internal — Standard Internal

Chain of Custody

Relinquished by — Date/Time — Received by — Date/Time

Well # MW- 39

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 47.40 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	4	8	12					
Time (military)	1100	1105	1110					
pH (s.u.)	6.02	6.17	6.21					
Specific Cond. (mS/cm)	.112	.115	.115					
Turbidity (*)	19	21	32					
Dissolved Oxygen	4.07	4.05	4.51					
Water Temp (°C)	19.8	19.8	19.7					
Salinity	0.00	0.00	0.00					
OVA Readings	–	–	–					

Sample Time: 1110

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09.
Field Personnel J. Boots and M. Bennett.
General Weather Condition Sunny.
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 40

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 53.87 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	2							
Time (military)	1120							
pH (s.u.)	6.12							
Specific Cond. (mS/cm)	.150							
Turbidity (*)	136							
Dissolved Oxygen	4.88							
Water Temp (°C)	19.9°							
Salinity	0.00							
OVA Readings								

Sample Time: 1120

Dry at 2 gal.

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 41

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) [redacted] Dry ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (*)								
Dissolved Oxygen								
Water Temp (°C)								
Salinity								
OVA Readings								

Sample Time: 1130

Dry

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Well # MW- 42

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 55.38 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	2.5							
Time (military)	1130							
pH (s.u.)	6.48							
Specific Cond. (mS/cm)	.189							
Turbidity (*)	453							
Dissolved Oxygen	3.68							
Water Temp (°C)	22.7							
Salinity	0.00							
OVA Readings	-							

Sample Time: 1130

Dry at 2.5 gal.

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 43

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 78 ft.
Depth to GW (DWG) 45.78 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	4							
Time (military)	1137							
pH (s.u.)	5.77							
Specific Cond. (mS/cm)	.122							
Turbidity (*)	147							
Dissolved Oxygen	2.62							
Water Temp (°C)	22.2							
Salinity	0.00							
OVA Readings	–							

Sample Time: 11:40

Dry @ 4 gal.

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09.
Field Personnel J. Boots and M. Bennett.
General Weather Condition Sunny.
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # **MW-** T-1

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 81 ft.
Depth to GW (DWG) 57.46 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	4	8	12					
Time (military)	1410	1415	1420					
pH (s.u.)	9.16	9.49	9.66					
Specific Cond. (mS/cm)	.712	.708	.716					
Turbidity (*)	34	16	17					
Dissolved Oxygen	3.52	2.50	2.42					
Water Temp (°C)	22.1	22.0	22.2					
Salinity	0.02	0.02	0.03					
OVA Readings	—	—	—					

Sample Time: 1420

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- TW-2

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 81 ft.
Depth to GW (DWG) 54.93 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	1250	1255	1300					
Time (military)	7	14	21					
pH (s.u.)	8.31	8.30	8.25					
Specific Cond. (mS/cm)	.220	.216	.217					
Turbidity (*)	276	300	319					
Dissolved Oxygen	1.31	1.71	2.01					
Water Temp (°C)	22.9	22.9	22.7					
Salinity	0.00	0	0					
OVA Readings	-	-	-					

Sample Time: 1300

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 5/27/09
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Well # MW- T-3

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 90 ft.
Depth to GW (DWG) 53.52 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	7	14	21					
Time (military)	1430	1435	1440					
pH (s.u.)	7.63	7.12	7.14					
Specific Cond. (mS/cm)	.539	.531	.534					
Turbidity (*)	86	99	201					
Dissolved Oxygen	8.50	7.15	6.55					
Water Temp (°C)	20.9	20.7	20.5					
Salinity	0.03	0.00	0.01					
OVA Readings		–	–					

Sample Time: 1440

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APPENDIX F

Disposal Manifest

US Water Recovery

Non-Hazardous Wastewater Manifest

Number:

1. Generator's EPA ID# (if applicable):

Waste ID Number:

2. Generator's Name and Mailing Address:

Youngs #7

Phone ( )

P O #:

3. Agent of Generator and Mailing Address:

KLM Enviromental
PO Box 2704 Goose Creek S.C. 29445

Phone (843) 870-4285

P O #:

4. Transporter Company Name:

Vaccum Recovery Tech
118 Spring Hall Dr. Suite E Goose Creek S.C. 29445

Phone (843) 906-8759

Truck & Trailer License Number:

5. Transporter U.S. EPA ID#:

6. Facility Name and Site Address:
U S Water Recovery
435 Old Mt. Holly Rd.
Mt. Holly, SC 29445

Phone: (843) 797-8674
Fax: (843) 797-2126

Mailing Address:
U S Water Recovery
511 Old Mt. Holly Rd.
Goose Creek, SC 29445

Phone: (843) 797-3111
Fax: (843) 797-0710

7. Facility U.S. EPA ID#:

Start Level: End Level: Total Gallons: Tank Number

8. U.S. DOT Desciption	Container No.	Container Type	Unit	Quantity
a. Non-Hazardous, non-regulated waste water				248 gal
Sm 18				104 gal
Young's 33				851 gal
Corner Stop 28				198 gal
				1401

9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.

Printed/Typed Name: Jason Boots
Signature: Jason Boots
Date: 6-19-09

10. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: Wayne Infinger
Signature: Wayne Infinger
Date: 6-19-09

11. Discrepancy indication space:

12. Facility Owner or Operator Certification of Receipt of Materials

Printed/Typed Name: David Ward
Signature: David Ward
Date: 6-19-09

White - Facility Yellow - Transporter Pink - Generator

5310

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number
2. Page 1 of
3. Emergency Response Phone
4. Waste Tracking Number

5. Generator's Name and Mailing Address: KLM Environmental LLC c/o 262 Geology Ln Walterboro SC 29488

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name: KLM Environmental — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: ABM 316 Clearwater Walterboro SC 29488 — U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	
1. Cornerstop 28, Ware Shoals, SC Drill Cuttings	58				
2.					
3. 843 797-1893					
4.					

13. Special Handling Instructions and Additional Information

USW - 04818

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: KLM Environmental — Signature: [signature] — Month 5 Day 22 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: KLM Environmental — Signature: [signature] — Month 5 Day 22 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Robert Hogan — Signature: [signature] — Month 5 Day 22 Year 09

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLS-C 5 11979 (Rev. 8/06)

DESIGNATED FACILITY'S COPY

APPENDIX G

Historical Groundwater Elevations

TABLE 1 Historical Groundwater Data (feet) Corner Stop #28 Ware Shoals, SC							
Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	FP Thickness	GW Elevation
MW-1	5/30/07	99.42	34-54	46.11	48.03	1.92	51.39
	10/23/07			46.53	48.20	1.67	51.22
	2/27/08			47.32	48.94	1.62	--
	12/4/08			49.26	49.57	0.31	FP
	6/1/09			48.11	48.57	0.46	--
MW-2	5/30/07	98.19	45-55	-	43.38	-	54.81
	10/23/07			-	43.41	-	54.78
	2/27/08			--	43.29	--	54.90
	12/4/08			--	44.33	--	53.86
	6/1/09			--	41.06	--	57.13
MW-3	5/30/07	99.02	45-55	45.41	45.45	0.04	53.57
	10/23/07			45.62	45.64	0.02	53.38
	2/27/08			46.17	46.29	0.12	--
	12/4/08			47.53	47.55	0.02	FP
	6/1/09			--	46.60	--	52.42
MW-4	5/30/07	102.70	45-60	-	DRY	-	-
	10/23/07			-	Dry	-	Dry
	2/27/08			--	Dry	--	Dry
	12/4/08			DRY	DRY	DRY	DRY
	6/1/09			--	DRY	--	--
MW-5	5/30/07	99.90	35-60	-	45.74	-	54.16
	10/23/07			-	46.40	-	53.50
	2/27/08			--	47.26	--	52.64
	12/4/08			--	49.00	--	50.90
	6/1/09			--	47.92	--	51.98
MW-6	5/30/07	101.45	33-48	-	47.53	-	53.92
	10/23/07			-	Dry	-	Dry
MW-6R	2/27/08	101.94	45-65	--	56.98	--	44.96
	12/4/08			--	59.27	--	42.67
	6/1/09			--	58.77	--	43.17
MW-7	5/30/07	101.61	35-60	53.39	54.15	0.76	47.46
	10/23/07			55.27	57.11	1.84	44.50
	2/27/08			57.52	57.63	0.11	--
	12/4/08			59.29	59.32	0.03	FP
	6/1/09			58.98	59.02	0.04	--

TABLE 1 CONT. Historical Groundwater Data (feet) Corner Stop #28 Ware Shoals, SC							
Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	FP Thickness	GW Elevation
MW-9	5/30/07	96.71	35-60	-	37.16	-	59.55
	10/23/07			-	41.84	-	54.87
	2/27/08			--	41.92	--	54.79
	12/4/08			--	42.21	--	54.50
	6/1/09			--	36.70	--	60.01
MW-10	5/30/07	98.24	35-60	-	34.78	-	63.46
	10/23/07			-	34.95	-	63.29
	2/27/08			--	35.03	--	63.21
	12/4/08			--	35.00	--	63.24
	6/1/09			--	35.85	--	62.39
MW-11	5/30/07	100.53	30-55	49.79	53.11	3.32	47.42
	10/23/07			51.60	54.21	2.61	46.32
	2/27/08			53.41	54.45	1.04	--
	12/4/08			54.73	54.89	0.16	FP
	6/1/09			54.73	54.85	0.12	--
MW-12	5/30/07	97.96	33-48	-	CNL	-	-
	10/23/07			-	CNL	-	CNL
	2/27/08			--	CNL	--	CNL
	12/4/08			DRY	DRY	DRY	DRY
MW-12R	6/1/09	99.58	50-70	--	40.62	--	58.96
MW-13	5/30/07	99.96	40-60	-	41.39	-	58.57
	10/23/07			-	41.28	-	58.68
	2/27/08			--	41.52	--	58.44
	12/4/08			--	43.27	--	56.69
	6/1/09			--	41.75	--	58.21
MW-14	5/30/07	102.92	40-60	-	50.84	-	52.08
	10/23/07			-	52.62	-	50.30
	2/27/08			--	54.30	--	48.62
	12/4/08			--	56.78	--	46.14
	6/1/09			--	56.31	--	46.61
MW-15	5/30/07	101.50	40-60	-	54.04	-	47.46
	10/23/07			55.84	55.85	0.01	45.65
	2/27/08			57.44	58.19	0.75	--
	12/4/08			DRY	DRY	DRY	DRY
	6/1/09			--	DRY	--	--
MW-15R	6/1/09	101.29	50-70	59.86	59.87	0.01	--

TABLE 1 CONT. Historical Groundwater Data (feet) Corner Stop #28 Ware Shoals, SC							
Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	FP Thickness	GW Elevation
MW-16	5/30/07	98.68	40-60	-	50.71	-	47.97
	10/23/07			-	52.35	-	46.33
	2/27/08			--	52.65	--	46.03
	12/4/08			--	52.59	--	46.09
	6/1/09			--	50.33	--	48.35
MW-17	10/23/07	99.05	40-60	-	41.72	-	57.33
	2/27/08			--	41.33	--	57.72
	12/4/08			--	42.20	--	56.85
	6/1/09			--	38.80	--	60.25
MW-18	10/23/07	101.23	40-60	-	55.38	-	45.85
	2/27/08			55.76	55.84	0.08	--
	12/4/08			55.87	55.93	0.06	FP
	6/1/09			55.77	55.97	0.20	--
MW-19	10/23/07	102.19	40-60	-	56.62	-	45.57
	2/27/08			58.95	58.97	0.02	--
	12/4/08			DRY	DRY	DRY	DRY
	6/1/09			--	DRY	--	--
MW-19R	6/1/09	102.03	50-70	--	60.48	--	41.55
MW-20	10/23/07	91.47	40-60	-	50.56	-	40.91
	2/27/08			--	52.52	--	38.95
	12/4/08			--	55.01	--	36.46
	6/1/09			--	54.50	--	36.97
MW-21	2/27/08	100.39	45-65	--	58.70	--	41.69
	12/4/08			--	61.25	--	39.14
	6/1/09			--	60.60	--	39.79
MW-22	2/27/08	100.39	45-65	--	58.37	--	42.02
	12/4/08			60.57	61.25	0.68	FP
	6/1/09			59.55	60.01	0.46	--
MW-23	12/4/08	101.62	45-65	--	59.52	--	42.10
	6/1/09			--	59.87	--	41.75
MW-24	12/4/08	101.71	45-65	--	61.91	--	39.80
	6/1/09			--	58.71	--	43.00
MW-25	12/4/08	97.73	45-65	DRY	DRY	DRY	DRY
	6/1/09			--	33.76	--	63.97
MW-26	12/4/08	100.01	45-65	--	52.96	--	47.05
	6/1/09			--	52.14	--	47.87
MW-27	12/4/08	94.30	45-65	--	54.22	--	40.08
	6/1/09			--	53.42	--	40.88

TABLE 1 CONT. Historical Groundwater Data (feet) Corner Stop #28 Ware Shoals, SC							
Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	FP Thickness	GW Elevation
MW-28	12/4/08	87.21	45-65	--	50.32	--	36.89
	6/1/09			--	48.57	--	38.64
MW-29	6/1/09	96.72	50-70	--	33.10	--	63.62
MW-30	6/1/09	102.10	50-70	--	50.21	--	51.89
MW-31	6/1/09	94.97	50-70	--	37.01	--	57.96
MW-32	6/1/09	86.78	50-70	--	44.40	--	42.38
MW-33	6/1/09	88.98	50-70	52.06	52.37	0.31	--
MW-34	6/1/09	90.20	50-70	--	53.79	--	36.41
MW-35	6/1/09	71.30	50-70	--	39.12	--	32.18
MW-36	6/1/09	81.34	50-70	--	50.30	--	31.04
MW-37	6/1/09	67.13	50-70	--	37.96	--	29.17
MW-38	6/1/09	72.76	50-70	--	41.90	--	30.86
MW-39	6/1/09	89.53	50-70	--	47.40	--	42.13
MW-40	6/1/09	91.41	50-70	--	53.87	--	37.54
MW-41	6/1/09	94.23	50-70	--	DRY	--	--
MW-42	6/1/09	100.92	50-70	--	55.38	--	45.54
MW-43	6/1/09	95.52	50-70	--	45.78	--	49.74
T-1**	5/30/07	100.32	71-81	-	51.91	-	48.41
	10/23/07			-	53.40	-	46.92
	2/27/08			--	55.67	--	44.65
	12/4/08			--	56.82	--	43.50
	6/1/09			--	57.46	--	42.86
T-2**	10/23/07	91.86	76-81	-	51.04	-	40.82
	2/27/08			--	52.98	--	38.88
	12/4/08			--	55.46	--	36.40
	6/1/09			--	54.93	--	36.93
T-3**	6/1/09	95.68	85-90	--	53.52	--	42.16

D H E C
PROMOTE PROTECT PROSPER
C. Earl Hunter, Commissioner
Promoting and protecting the health of the public and the environment.

JUL 13 2010

UST DOCKET 18

MS MAUREEN JACKSON
WORSLEY OPERATING COMPANY
PO BOX 3227
WILMINGTON NC 28409-3227

Re: Additional Assessment Directive
Corner Stop 28, 717 Greenwood Ave, Ware Shoals, SC
UST Permit #05659; CA #36517; MWA#UMW-22950
Release reported December 30, 1991
Assessment Report received June 22, 2009
Greenwood County

Dear Ms Jackson:

The Underground Storage Tank (UST) Program of the South Carolina Department of Health and Environmental Control (SCDHEC) recognizes your commitment to continue work at this site utilizing your own contractor. The Program has reviewed the referenced report submitted by KLM Environmental on your behalf.

Assessment activities at the site should begin immediately upon receipt of this letter. Additional monitoring wells should be installed in appropriate locations to monitor the migration of chemicals of concern (CoC). A site map with approximate monitoring well locations and the required monitoring well approval are enclosed. Samples from the new monitoring wells should be collected and analyzed for BTEX + naphthalene + MtBE, lead, EDB, 8 oxygenates, and 1,2-DCA. The groundwater samples should be analyzed in accordance with *Analytical Methodology* dated August 24, 2005. A copy of this publication is available on line at http://www.scdhec.gov/eqc/lwm/ forms/analmet.pdf. All existing monitoring wells are to be gauged for groundwater elevation and free product thickness. **Please be aware that the February 1, 2006 SUPERB Allowable Costs document states that "If vertical and horizontal extent of chemicals of concern are not fully defined by this tier report, additional mobilizations may not be approved by the Department."** Therefore, equipment mobilization has not been approved for this scope of work. Please be aware that a total of $270,906.41 has been reimbursed to date and the current scope of work may be reimbursed for an additional $38,863.68 in assessment activities. Worsley Operating Company would be responsible for rehabilitation costs that would exceed $1 million.

The assessment and groundwater sampling activities may proceed immediately upon receipt of this letter. The Assessment Report submitted at the completion of these activities should include the following:

- A narrative portion documenting current site conditions during the groundwater sampling event noting the names of field personnel, date, time, ambient air temperature, and general weather conditions during the sampling event. The report shall also contain well purging data, pH, specific conductivity, water temperature, PID readings (where applicable) and turbidity comments.
- Groundwater elevations, depth to groundwater, measurable free product thickness (where applicable), total well depth and screened interval for all monitoring wells associated with the site, unless otherwise directed by the Program, shall be presented in tabular form. Groundwater laboratory analytical data for all monitoring wells for this and all previous sampling events shall be presented in tabular format.
- A groundwater elevation contour map of the site based on current groundwater potentiometric data.
- A CoC map based on current groundwater laboratory analytical data. The groundwater data should be adjacent to the relevant monitoring well location.
- Manifests for any contaminated soil and/or groundwater removed from the site for treatment and/or disposal.
- Signature and seal by a professional geologist or engineer registered in the State of South Carolina.

KLM Environmental, Inc., can submit an invoice for direct billing from the State Underground Petroleum Environmental Response Bank (SUPERB) Account. Please note that all applicable South Carolina certification requirements apply to the laboratory services, well installation, and report preparation. All site rehabilitation activities must be performed and submitted by a South Carolina Certified Underground Storage Tank Site Rehabilitation Contractor.

An assessment report and invoice are due within 90 days from the date of this letter. An interim well drilling invoice may be submitted for this scope of work. If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

Please note that Sections 44-2-110(4) and 44-2-130 of the SUPERB Statute state that no costs will be allowed unless prior approval from the Program is obtained. If for any reason additional tasks will be completed, these additional tasks and the associated cost must be preapproved by the Program for the cost to be paid. 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. Further, SCDHEC reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

Please note, if unnecessary dilutions are completed resulting in reporting limits of individual Chemicals of Concern (CoC) in excess of Risk-Based Screening Levels (RBSLs), the data cannot be used. In those cases, the Program may deny payment for any non-detect analysis where the reporting limit exceeds the RBSL. The UST Program encourages the use of 'J' values as necessary so the appropriate action can be determined for a release. Beginning in 2009, the UST Program will begin requiring that laboratories be certified through the SCDHEC Office of Environmental Laboratory Certification for the oxygenate compounds. The UST Program will require that laboratories submit the application for certification no later than December 31, 2008. Beginning April 1, 2009, the UST Program will no longer reimburse costs for oxygenate analysis for any laboratory that is not certified. Detailed information regarding the oxygenate certification can be found on the UST Guidance Documents webpage. (http://www.scdhec.gov/environment/envserv/docs/OxygenateCertification.pdf. The document can also be accessed from the UST documents page at http://www.scdhec.net/environment/ lwm/forms/). Any laboratory with questions regarding the certification requirements, should contact the Office of Environmental Laboratory Certification at (803) 896-0970.

The Department 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 COC concentrations based on laboratory analysis are 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 concerning this site, please reference **UST Permit 05659 and CA 36517.** If there are any questions concerning this project, please contact me at (803) 896-6396.

Sincerely,

Christopher S. Doll, P.G., Manager
Assessment Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

enc: Approved Cost Agreement
Monitoring Well Approval Form
Site Map

cc: Technical File (with enc)
KLM Environmental, Inc., PO Box 2704, Goose Creek, SC 29169 (with enc)
Lucky Strike Amusements, 1116 Cherokee Ave, Ste 3, Gaffney, SC 29341 (without enc)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

Monitoring Well Approval

Approval is hereby granted to:	KLM Environmental
(On behalf of):	Worsley Operating Company
Facility:	Corner Stop 28, 717 N. Greenwood Ave, Ware Shoals, SC 29692
UST Permit Number:	05659
County:	Greenwood

This approval is for the installation of four shallow, one intermediate, and one deep 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 Department shall be completed and submitted to the Department within 30 days after well completion or abandonment unless another schedule has been approved by the Department. 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 Department within 30 days of receipt of laboratory results unless another schedule has been approved by the Department as required by R.61-71.H.1.d.

5. If any of the information provided to the Department changes, notification to Victoria Bosnick, the project manager (tel: (803) 896-6396 or e-mail: bosnicvj@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. Departmental approval is required prior to abandonment of all monitoring wells as required by R.61-71.H.1.a.

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

Date of Issuance: **June 29, 2009** **Approval #:** **UMW-22950**

Victoria J Bosnick

Victoria Bosnick, Hydrogeologist
Assessment Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

FIGURE 3
PIEZOMETRIC MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installat

Approved Cost Agreement 36517

Facility: 05659 CORNER STOP 28
BOSNICVJ
PO Number:

Task / Description	Categories	Item Description	Qty / Pct	Unit Price	Amount
04 MOB/DEMOB					
		B PERSONNEL	3.0000	290.00	870.00
09 WELL INSTALLATION					
		D ROCK DRILLING	450.0000	58.00	26,100.00
10 SAMPLE COLLECTION					
		A GROUND WATER	6.0000	55.00	330.00
		E GAUGE WELL ONLY	43.0000	20.00	860.00
11 ANALYSES					
	GW GROUNDWATER	A BTEX+NAPTH+MTBE	6.0000	100.00	600.00
		BB 1,2-DCA	6.0000	10.75	64.50
		E LEAD	6.0000	20.00	120.00
		F EDB	6.0000	55.00	330.00
		P 8 OXYGENATES	6.0000	85.00	510.00
12 AQUIFER CHARACTERIZATION					
		B SLUG TEST	2.0000	150.00	300.00
16 SUBSEQUENT SURVEY					
		SUBSEQUENT SURVEY	1.0000	260.00	260.00
17 DISPOSAL					
		A1 WASTEWATER - PURGING/SAMPLING	5.0000	90.00	450.00
		C SOIL (TREATMENT/DISPOSAL)	60.0000	50.00	3,000.00
19 RPT/PROJECT MNGT & COORDINATIO					
		PCT PERCENT	0.1500	33,794.50	5,069.18
			Total Amount		38,863.68

UST
OCT 2 8 2010
PROGRAM

ASSESSMENT REPORT
Corner Stop 28 (Former Fast Point 17)
Ware Shoals, South Carolina
Site ID# 05659

KLM Environmental, LLC
Phase I Phase II Underground Storage Tanks Soil & Water Sampling Well Installation
PO Box 2704
Goose Creek, SC 29445
843-870-4285 Phone
843-797-1893 Fax

19tch
UST
DOCKET

October 20th, 2010

Prepared for:

Mr. Chris Doll, P.G.
SCDHEC BUSTM
2600 Bull Street
Columbia, SC 29201

Prepared by:

KLM Environmental, LLC
Post Office Box 2704
Goose Creek, SC 29445
(843) 870-4285 / *fax: 797-1893*
UST Contractor # 345

Project# 05094.5

SIGNATURE PAGE

This report entitled "**ASSESSMENT REPORT" for Corner Stop 28** has been prepared at the request of and for the exclusive use of the South Carolina Department of Health and Environmental Control. It has been prepared and reviewed by the undersigned.

Prepared By:

For:

J. Micah Bennett
Hydrogeologist
KLM Environmental, LLC

Reviewed By:

Mark L. Keller, PG
President
KLM Environmental, LLC

10/22/10
Date

MARK L. KELLER
REGISTERED
No. 2311
10/22/10
SOUTH CAROLINA
PROFESSIONAL GEOLOGIST

TABLE OF CONTENTS

SECTION	DESCRIPTION	PAGE
1.0	INTRODUCTION	1
2.0	SITE DESCRIPTION	2
	2.1 Hydraulic Conductivity and Transmissivity	
3.0	GROUNDWATER QUALITY	5
4.0	CONCLUSIONS	12
5.0	REFERENCES	13

LIST OF FIGURES

DESCRIPTION	FIGURE
GENERAL SITE LOCATION	1
SITE MAP	2
PIEZOMETRIC MAP	3
COC MAP	4

LIST OF APPENDICES

DESCRIPTION	APPENDIX
FIGURES	A
AQUIFER CALCULATIONS	B
WELL CONSTRUCTION LOGS	C
LABORATORY DATA	D
DISPOSAL MANIFEST	E
HISTORICAL GROUNDWATER ELEVATIONS	F

LIST OF TABLES

DESCRIPTION	TABLE
GROUNDWATER ELEVATION DATA	1
SUMMARY OF ANALYTICAL DATA	2
OXYGENATE DATA	3
SUMMARY OF AUXILARY DATA	4

1.0 INTRODUCTION

The Corner Stop 28 site is located at 717 North Greenwood Ave. in Ware Shoals, South Carolina. A general site location map is provided as Figure 1 in Appendix A. Numerous assessment and sampling events have occurred at the site since the release was reported on December 31st, 1991. Due to the presence of rock in the subsurface, probing can not be utilized at this site to collect real time data for contaminant delineation. Well installations must be performed and sampled to determine the extent which can be a multi step process. This report serves to provide the results from the recently requested well installation, limited sampling, and full gauging event.

2.0 SITE DESCRIPTION

Currently, there are forty-eight shallow wells and five telescoping wells located at the site. Figure 2 serves as a site map showing well locations. On September 22nd and 23rd, 2010 Cypress Bay Water Systems, LLC installed monitoring wells MW-44 through MW-47, along with telescoping wells T-4 and T-5. Based on gauging data collected in the field prior to well installation the shallow wells were installed to a depth of 50 feet below land surface instead of 70 feet below land surface used at the site previously. Water levels have risen at the site from one foot in some wells to nearly 10 feet in others. Well construction logs are presented in Appendix C. Historical groundwater elevations are provided in Appendix F. The piezometric data is provided in the following table and in Appendix A, Figure 3.

TABLE 1
Groundwater Data (feet)
Corner Stop #28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	GW Elevation
MW-1	9/28/10	99.42	34-54	44.72	48.75	FP
MW-2	9/28/10	98.19	45-55	--	42.31	55.88
MW-3	9/28/10	99.02	45-55	--	44.65	54.37
MW-4	9/28/10	102.70	45-60	--	48.60	54.10
MW-5	9/28/10	99.90	35-60	--	45.22	54.68
MW-6R	9/28/10	101.94	45-65	--	53.69	48.25
MW-7	9/28/10	101.61	35-60	53.83	53.84	FP
MW-9	9/28/10	96.71	35-60	--	39.25	57.46
MW-10	9/28/10	98.24	35-60	--	34.76	63.48
MW-11	9/28/10	100.53	30-55	--	50.78	49.75
MW-12R	9/28/10	99.58	50-70	--	40.20	59.38
MW-13	9/28/10	99.96	40-60	--	40.15	59.81
MW-14	9/28/10	102.92	40-60	--	51.18	51.74
MW-15	9/28/10	101.50	40-60	54.40	54.42	FP
MW-15R	9/28/10	101.29	50-70	54.12	56.80	FP
MW-16	9/28/10	98.68	40-60	--	50.30	48.38
MW-17	9/28/10	99.05	40-60	--	38.72	60.33
MW-18	9/28/10	101.23	40-60	54.25	54.26	FP
MW-19	9/28/10	102.19	40-60	--	55.08	47.11
MW-19R	9/28/10	102.03	50-70	--	55.59	46.44
MW-20	9/28/10	91.47	40-60	--	48.98	42.49
MW-21	9/28/10	100.39	45-65	--	54.90	45.49
MW-22	9/28/10	100.39	45-65	55.35	55.65	FP
MW-23	9/28/10	101.62	45-65	--	53.93	47.69
MW-24	9/28/10	101.71	45-65	--	48.75	52.96
MW-25	9/28/10	97.73	45-65	--	32.95	64.78
MW-26	9/28/10	100.01	45-65	--	58.01	42.00
MW-27	9/28/10	94.30	45-65	--	48.25	46.05
MW-28	9/28/10	87.21	45-65	--	44.38	42.83
MW-29	9/28/10	96.72	50-70	--	33.00	63.72
MW-30	9/28/10	102.10	50-70	--	50.22	51.88
MW-31	9/28/10	94.97	50-70	--	38.19	56.78
MW-32	9/28/10	86.78	50-70	--	43.40	43.38
MW-33	9/28/10	88.98	50-70	46.72	47.00	FP
MW-34	9/28/10	90.20	50-70	--	48.14	42.06
MW-35	9/28/10	71.30	50-70	--	37.70	33.60
MW-36	9/28/10	81.34	50-70	--	53.40	27.94
MW-37	9/28/10	67.13	50-70	--	43.25	23.88
MW-38	9/28/10	72.76	50-70	--	46.58	26.18
MW-39	9/28/10	89.53	50-70	--	49.61	39.92
MW-40	9/28/10	91.41	50-70	--	57.57	33.84
MW-41	9/28/10	94.23	50-70	--	51.58	42.65
MW-42	9/28/10	100.92	50-70	--	60.29	40.63
MW-43	9/28/10	95.52	50-70	--	51.51	44.01
MW-44	9/28/10	63.92	30-50	--	43.93	19.99
MW-45	9/28/10	64.00	30-50	--	40.42	23.58

TABLE 1 CONT.
Groundwater Data (feet)
Corner Stop #28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	GW Elevation
MW-46	9/28/10	55.65	30-50	--	37.76	17.89
MW-47	9/28/10	68.64	30-50	--	41.13	27.51
T-1**	9/28/10	100.32	71-81	--	58.10	42.22
T-2**	9/28/10	91.86	76-81	--	49.45	42.41
T-3**	9/28/10	95.68	85-90	--	47.19	48.49
T-4**	9/28/10	89.32	76-81	--	43.01	46.31
T-5**	9/28/10	89.31	85-90	--	61.24	28.07

**Piezometric data from wells with free product and telescoping well not used to construct the piezometric map.
CNL = Could Not Locate

A full gauging event was requested at the site while only selected wells were sampled. Depths to fluid measurements were collected relative to the top of casing for each well using a hydrocarbon interface probe capable of detecting and measuring a hydrocarbon product thickness of 0.01 foot or 1/8 inch. Groundwater elevations were then determined by subtracting depth to fluid measurements from the top of casing elevations and a piezometric contour map of the uppermost aquifer surface was developed (Appendix A, Figure 3). Free phase petroleum product was detected in monitoring wells MW-1, MW-7, MW-15, MW-15R, MW-18, MW-22 and MW-33 on the day sampling was performed. These wells along with the telescoping wells are not included in the piezometric map in Appendix A.

2.1 Hydraulic Conductivity & Transmissivity

The hydraulic conductivity (*K*) was calculated during this assessment utilizing data collected from monitoring well T-4 and T-5. The hydraulic conductivity for T-4 was calculated at 0.4612 m/day 1.513 ft/day). The hydraulic conductivity for T-5 was calculated at 0.2679 m/day (0.8789 ft/day). Hydraulic conductivity and transmissivity calculations were calculated utilizing the Bouwer-Rice method and can be found in Appendix B.

3.0 GROUNDWATER QUALITY

KLM personnel performed the limited groundwater-sampling event on September 28th, 2010. Results from the past sampling events are included in the table for comparison.

TABLE 2
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	EDB
RBSL	**–**	**5**	**1000**	**700**	**10000**	**40**	**25**	**0.05**
MW-1	2/28/06	NS	NS	NS	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-2	2/28/06	**3800**	**41000**	**4100**	**22500**	**1100**	**<400**	**10**
	5/30/07	**1300**	**20000**	**1900**	**12300**	**1900**	**400**	**15**
	10/23/07	**2410**	**25900**	**3340**	**18350**	**7510**	**1940**	**16.8**
	2/27/08	**2770**	**28600**	**3670**	**20000**	**4040**	**991**	**12.6**
	12/4/08	**2940**	**23400**	**2930**	**18200**	**17500**	**<1000**	**53.4**
	6/1/09	**4170**	**21400**	**2560**	**18000**	**18300**	**659**	**54.8**
MW-3	2/28/06	NS	NS	NS	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**2120**	**21000**	**3140**	**17900**	**2990**	**1030**	**9.7**
MW-4	2/28/06	NS	NS	NS	NS	NS	NS	NS
	5/30/07	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	10/23/07	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-5	2/28/06	**410**	150	19	270	**140**	3	<0.02
	5/30/07	**900**	820	150	640	**860**	13	**0.20**
	10/23/07	**592**	334	70.1	444	**425**	**45.4**	0.031
	2/27/08	**482**	614	25.4	1110	**557**	**34.8**	<0.02
	12/4/08	**363**	84.2	13.7	263	**831**	<25.0	**0.06**
	6/1/09	**294**	199	19.6	409	**677**	**32.5**	<0.019
MW-6	2/28/06	**450**	350	650	1450	19	<1	<0.02
	5/30/07	<5.0	14	6.4	40	<5.0	12	NS
	10/23/07	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-6R	2/27/08	**4470**	**19500**	**2300**	9800	**85.9**	**351**	<0.02
	12/4/08	**95.7**	115	29.1	440	**63.3**	**57.1**	<0.02
	6/1/09	**16.1**	144	21.1	167	25.7	**128**	<0.019

TABLE 2 CONT.
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	EDB
RBSL	--	**5**	**1000**	**700**	**10000**	**40**	**25**	**0.05**
MW-7	2/28/06	NS	NS	NS	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-9	2/28/06	<1	<1	<1	<3	<1	<1	<0.02
	5/30/07	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<0.02
	10/23/07	<5.0	5.2	<5.0	<10.0	<5.0	<5.0	<0.02
	2/27/08	1.3	29.0	8.4	45.4	<5.0	8.6	<0.02
	12/4/08	1.7	22.9	6.0	33.5	2.4	<5.0	<0.019
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-10	2/28/06	<1	<1	<1	<3	<1	<1	<0.02
	5/30/07	<5.0	9.5	<5.0	21.4	<5.0	6.7	<0.02
	10/23/07	<5.0	19.4	6.7	43.3	<5.0	11.7	<0.02
	2/27/08	3.7	106	34.3	215	2.1	**43.2**	<0.02
	12/4/08	2.5	32.1	7.6	47.7	6.5	7.5	0.046
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-11	2/28/06	**12000**	**60000**	**10000**	**55000**	**37000**	**3400**	**19**
	5/30/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-12	2/28/06	**130**	7	1	94	22	1	<0.02
	5/30/07	CNL	CNL	CNL	CNL	CNL	CNL	CNL
	10/23/07	CNL	CNL	CNL	CNL	CNL	CNL	CNL
	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-12R	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-13	5/30/07	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<0.02
	10/23/07	<5.0	7.4	<5.0	<10	<5.0	6.3	<0.02
	2/27/08	**6.4**	<5.0	<5.0	4.6	<5.0	3.1	<0.02
	12/4/08	4.8	83.3	24.4	134	4.1	10.1	<0.02
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-14	5/30/07	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<0.02
	10/23/07	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.02
	2/27/08	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.02
	12/4/08	2.6	44.3	12.7	70.0	2.7	6.4	<0.02
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
MW-15	5/30/07	**10000**	**42000**	**3400**	**29000**	**980**	**830**	**23**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-15R	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**

TABLE 2 CONT.
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	EDB
RBSL	--	5	1000	700	10000	40	25	0.05
MW-16	5/30/07	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.02
	10/23/07	<5.0	9.3	<5.0	20.2	<5.0	5.7	<0.02
	2/27/08	1.7	30.1	8.5	44.9	<5.0	4.1	<0.02
	12/4/08	**17.9**	321	102	590	<5.0	**69.4**	0.034
	6/1/09	**10.2**	198	54.8	296	<5.0	**38.2**	<0.019
MW-17	10/23/07	**2610**	**7400**	**912**	6330	**9380**	**<500**	**24.6**
	2/27/08	**4810**	**15900**	**2450**	**14200**	**12200**	**764**	**37.1**
	12/4/08	**5610**	**21500**	**1630**	**14600**	**17700**	**749**	**87.5**
	6/1/09	**3210**	**15800**	**1870**	**11300**	**6040**	**<1000**	24.7
MW-18	10/23/07	**2180**	**20000**	**3410**	**19880**	**1030**	**830**	**0.88**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-19	10/23/07	**9840**	**47600**	**5260**	**27800**	**18500**	**1660**	**16.4**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-19R	6/1/09	**4700**	**44500**	**3700**	**19500**	**2240**	**1010**	**3.1**
MW-20	10/23/07	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.02
	2/27/08	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.02
	12/4/08	<5.0	4.8	1.8	18.5	<5.0	3.0	<0.019
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-21	2/27/08	**123**	23.0	15.3	569	8.3	**53.4**	<0.02
	12/4/08	**1510**	**1870**	**1530**	**11000**	**321**	**598**	**0.53**
	6/1/09	**2650**	**3700**	**1850**	8130	**580**	**756**	**0.66**
MW-22	2/27/08	**9410**	**45300**	**4050**	**21000**	**12300**	**<2500**	**4.0**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-23	12/4/08	**19.3**	173	40.5	236	19.4	**40.1**	**0.083**
	6/1/09	<5.0	<5.0	<5.0	<10.0	17.9	<5.0	<0.019
MW-24	12/4/08	1.9	65.8	40.9	573	<5.0	**90.2**	<0.019
	6/1/09	**168**	105	121	705	35.7	**49.0**	<0.020
MW-25	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/1/09	<5.0	<5.0	<5.0	6.9	<5.0	<5.0	<0.019
MW-26	12/4/08	**596**	33.0	25.4	179	20.5	**51.6**	**0.26**
	6/1/09	**715**	<25.0	12.5	229	25.9	**61.8**	**0.11**
MW-27	12/4/08	**1620**	67.8	62.0	1000	**4800**	**125**	**0.93**
	6/1/09	**1160**	<100	<100	375	**2850**	**<100**	**0.36**
MW-28	12/4/08	**1010**	19.6	6.7	1110	**2540**	**200**	**0.48**
	6/1/09	**3940**	50.3	29.6	1410	**6750**	**358**	**0.81**
MW-29	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-30	6/1/09	**13.8**	11.0	7.9	196	13.2	**88.8**	<0.019
MW-31	6/1/09	<5.0	1.8	<5.0	3.0	<5.0	<5.0	<0.019
MW-32	6/1/09	<5.0	2.4	<5.0	4.9	<5.0	<5.0	<0.019
MW-33	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**

TABLE 2 CONT.
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	EDB
RBSL	**--**	**5**	**1000**	**700**	**10000**	**40**	**25**	**0.05**
MW-34	6/1/09	**8570**	**45200**	**3510**	**18300**	**9560**	**665**	8.0
MW-35	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-36	6/1/09	<5.0	<5.0	<5.0	<10.0	4.6	<5.0	<0.019
MW-37	6/1/09	<5.0	<5.0	<5.0	<10.0	**247**	<5.0	<0.019
MW-38	6/1/09	<5.0	<5.0	<5.0	<10.0	**319**	<5.0	<0.019
MW-39	6/1/09	<5.0	<5.0	<5.0	<10.0	12.4	<5.0	<0.019
MW-40	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-41	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-42	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-43	6/1/09	<5.0	<5.0	<5.0	<10.0	12.0	<5.0	<0.019
MW-44	9/28/10	**83.8**	<25.0	<25.0	49.4	**593**	**43.4**	**0.15**
MW-45	9/28/10	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.02
MW-46	9/28/10	<5.0	<5.0	<5.0	<10.0	11.8	<5.0	<0.019
MW-47	9/28/10	<5.0	<5.0	<5.0	<10.0	20.6	<5.0	<0.019
T-1	2/28/06	NS	NS	NS	NS	NS	NS	NS
	5/30/07	**41**	240	120	790	**1500**	**260**	**0.71**
	10/23/07	**<25**	44.7	<25	<50	**655**	<25	**0.10**
	2/27/08	**5.4**	28.0	3.9	21.4	**232**	21.8	<0.02
	12/4/08	3.2	64.0	24.5	128	**92.0**	7.1	<0.02
	6/1/09	**4.9**	<5.0	<5.0	5.6	**76.1**	<5.0	<0.019
T-2	10/23/07	<5.0	33.2	9.9	52.5	<5.0	6.9	<0.02
	2/27/08	<5.0	7.1	<5.0	5.3	<5.0	3.5	<0.02
	12/4/08	<5.0	1.9	<5.0	<10.0	<5.0	<5.0	<0.019
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
T-3	6/1/09	**358**	<25.0	<25.0	43.5	**985**	17.8	<0.019
T-4	9/28/10	<5.0	<5.0	<5.0	<10.0	4.8	<5.0	<0.02
T-5	9/28/10	<5.0	<5.0	<5.0	<10.0	2.8	<5.0	<0.02

All results presented in the table are in ug/l unless otherwise stated. FP = Free product, NA = Not Analyzed

TABLE 3
Oxygenate Data
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	Ethanol	(ETBE)	(DIPE)	(ETBA)	(TBA)	(TAME)	(TAA)	(TBF)
RBSL	**	**10000**	**47**	**150**	--	**1400**	**128**	**240**	--
MW-1	6/1/09	FP	FP	FP	FP	FP	FP	FP	FP
MW-2	6/1/09	**<40000**	**<2000**	**1190**	<20000	**<20000**	**<2000**	**<20000**	<10000
MW-3	6/1/09	<200	<10.0	**290**	<100	382	100	**1830**	<50.0
MW-4	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-5	6/1/09	<400	<20.0	**191**	<200	<200	43.3	207	<100
MW-6R	6/1/09	<200	<10.0	19.5	<100	187	<10.0	**330**	<50.0
MW-7	6/1/09	FP	FP	FP	FP	FP	FP	FP	FP
MW-9	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-10	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-11	6/1/09	FP	FP	FP	FP	FP	FP	FP	FP
MW-12R	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-13	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-14	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-15	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-15R	6/1/09	FP	FP	FP	FP	FP	FP	FP	FP
MW-16	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-17	6/1/09	**<40000**	**<2000**	**541**	<20000	**<20000**	**<2000**	**<20000**	<10000
MW-18	6/1/09	FP	FP	FP	FP	FP	FP	FP	FP
MW-29	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-30	6/1/09	<400	<20.0	<10.0	<200	<200	<20.0	<200	<100
MW-31	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-32	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-33	6/1/09	FP	FP	FP	FP	FP	FP	FP	FP
MW-34	6/1/09	<4000	**<200**	**742**	<2000	**1500**	552	**4300**	<1000
MW-35	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-36	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-37	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-38	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-39	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-40	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-41	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-42	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-43	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-44	9/28/10	<1000	**<50.0**	**184**	<500	<500	32.2	**<500**	<250
MW-45	9/28/10	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-46	9/28/10	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-47	9/28/10	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
T-1	6/1/09	<200	<10.0	37.2	<100	<100	<10.0	<100	<50.0
T-2	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
T-3	6/1/09	<1000	**<50.0**	**284**	<500	169	45.1	1070	<250
T-4	9/28/10	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
T-5	9/28/10	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0

TABLE 4
Auxiliary Data
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	Lead	1,2 DCA	Ferrous Iron	Nitrate	Methane	Sulfate (mg/L)	Filtered Lead
RBSL	**--**	**15**	**5.0**	**-**	**-**	**-**	**-**	**5**
MW-1	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-2	6/1/09	**16.7**	**<1000**	NS	NS	NS	NS	NS
MW-3	6/1/09	111	**17.5**	NS	NS	NS	NS	NS
MW-4	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-5	6/1/09	<5.0	**<10.0**	NS	NS	NS	NS	NS
MW-6R	6/1/09	8.1	<5.0	NS	NS	NS	NS	NS
MW-7	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-9	6/1/09	<5.0	<5.0	NS	NS	NS	NS	NS
MW-10	6/1/09	<5.0	<5.0	NS	NS	NS	NS	NS
MW-11	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-12R	6/1/09	<5.0	<5.0	<0.50	1.7	NS	2.6	NS
MW-13	6/1/09	<5.0	<5.0	NS	NS	NS	NS	NS
MW-14	6/1/09	11.4	<5.0	NS	NS	NS	NS	NS
MW-15	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-15R	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-16	6/1/09	<5.0	<5.0	NS	NS	NS	NS	NS
MW-17	6/1/09	<5.0	**<1000**	NS	NS	NS	NS	NS
MW-18	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-19	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-19R	6/1/09	**30.8**	**<100**	<0.50	<0.10	NS	<1.0	NS
MW-20	6/1/09	<5.0	<5.0	NS	NS	NS	NS	NS
MW-21	6/1/09	**41.8**	**<100**	NS	NS	NS	NS	NS
MW-22	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-23	6/1/09	<5.0	<5.0	NS	NS	NS	NS	NS
MW-24	6/1/09	7.1	**<10.0**	NS	NS	NS	NS	NS
MW-25	6/1/09	<5.0	<5.0	NS	NS	NS	NS	NS
MW-26	6/1/09	**20.3**	**26.4**	NS	NS	NS	NS	NS
MW-27	6/1/09	<5.0	**91.2**	NS	NS	NS	NS	NS
MW-28	6/1/09	5.2	**159**	NS	NS	NS	NS	NS
MW-29	6/1/09	<5.0	<5.0	<0.50	2.2	NS	8	NS
MW-30	6/1/09	<5.0	**<10.0**	<0.50	0.39	NS	2	NS
MW-31	6/1/09	<5.0	<5.0	<0.50	3.8	NS	4.6	NS
MW-32	6/1/09	<5.0	<5.0	<0.50	3.6	NS	17	NS
MW-33	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-34	6/1/09	**48.3**	**<100**	<0.50	<0.10	NS	<1.0	NS
MW-35	6/1/09	<5.0	<5.0	<0.50	1.9	NS	13	NS
MW-36	6/1/09	<5.0	<5.0	<0.50	2.7	NS	6.9	NS
MW-37	6/1/09	<5.0	<5.0	<0.50	7.5	NS	65	NS
MW-38	6/1/09	<5.0	<5.0	<0.50	6.3	NS	67	NS
MW-39	6/1/09	<5.0	<5.0	<0.50	8.4	NS	4.5	NS
MW-40	6/1/09	<5.0	<5.0	<0.50	3.9	NS	13	NS
MW-41	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-42	6/1/09	<5.0	<5.0	<0.50	2.5	NS	5.6	NS
MW-43	6/1/09	<5.0	<5.0	<0.50	8.6	NS	4.3	NS
MW-44	9/28/10	**38.3**	**6.5**	NS	NS	NS	NS	NS
MW-45	9/28/10	**31.3**	<5.0	NS	NS	NS	NS	NS

TABLE 4 CONT.
Auxiliary Data
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	Lead	1,2 DCA	Ferrous Iron	Nitrate	Methane	Sulfate (mg/L)	Filtered Lead
RBSL	**--**	**15**	**5.0**	**-**	**-**	**-**	**-**	**5**
MW-46	9/28/10	<5.0	<5.0	NS	NS	NS	NS	NS
MW-47	9/28/10	**23.6**	<5.0	NS	NS	NS	NS	NS
T-1	6/1/09	<5.0	<5.0	NS	NS	NS	NS	NS
T-2	6/1/09	<5.0	<5.0	NS	NS	NS	NS	NS
T-3	6/1/09	<5.0	**28.5**	<0.50	1.1	NS	87	NS
T-4	9/28/10	**68.4**	<5.0	NS	NS	NS	NS	NS
T-5	9/28/10	**65.9**	<5.0	NS	NS	NS	NS	NS

All results presented in the table are in ug/l unless otherwise stated. FP = Free product, NA = Not Analyzed
CNL = Could Not Locate

A minimum of three well volumes were purged from each newly installed monitoring well. Immediately after well purging was completed, groundwater samples were collected using disposable bottom entry sampling bailers, decanted into sterile glass sample containers provided by the analytical laboratory, and preserved in accordance with United States Environmental Protection Agency (USEPA) sampling protocol. Standard field parameters (pH, specific conductivity, temperature, dissolved oxygen, salinity, and turbidity) were measured and recorded for each sample during well purging and at the time of collection. Following collection in the field, the groundwater samples were submitted to the analytical laboratory and analyzed for Benzene, Toluene, Ethylbenzene, total Xylenes (BTEX), Methyl-tert Butyl Ether (MTBE), Naphthalene, EDB, 1, 2 DCA, 8 oxygenates, and Lead. A copy of the laboratory data and the chain-of-custody for the well sampling event is provided in Appendix D. A map with concentration levels for each well is provided as Figure 4 in Appendix A. A disposal manifest for the contaminated purge water and drill cuttings is provided in Appendix E. Historical groundwater elevations are provided in Appendix F.

4.0 CONCLUSIONS

The sampling of the newly installed monitoring wells and the requested comprehensive gauging event performed on September 28th, 2010 shows the presence of free phase petroleum at the site in monitoring wells MW-1, MW-7, MW-15, MW-15R, MW-18, MW-22 and MW-33. Historically, MW-11 has contained free phase petroleum. The installation of monitoring wells MW-45, MW-46, and MW-47 have defined the contaminant plume to the west. Monitoring well MW-44 showed contaminants are present farther south than the extent of the trailer park. The contaminant plume remains undefined to the south of the trailer park.

Based on the field activities and sampling results the contaminant plume remains undefined with regards to MTBE in areas to the west of MW-37 and MW-38 in the direction of groundwater flow. The free product plume also remains undefined to the south. The free product plume is currently estimated at over 400 feet long and over 40 feet wide. The contaminant plume is currently estimated at over 800 feet long and over 500 feet wide at its widest point which is not currently defined to the south of the site.

In order to fully define the contaminant plume as well as the free product plume, KLM recommends further delineation to the south of the site. During this delineation AFVR events should be conducted in order to remove the massive amount of free phase product detected at the site. Based on previous events the product is relatively easy to recover during these events.

5.0 REFERENCES

KLM Environmental, LLC, *Monitoring Report*, June, 2009.

KLM Environmental, LLC, *Monitoring Report*, December, 2008.

KLM Environmental, LLC, *Monitoring Report*, March, 2008.

KLM Environmental, LLC, *Assessment Report*, November, 2007.

KLM Environmental, LLC, *Assessment Report*, June, 2007.

Delta Environmental, Inc., *Monitoring Report*, February 2006.

South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management Underground Storage Tank Program, *South Carolina Risk-Based Corrective Action for Petroleum Releases*, May 15, 2001.

KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

Figure 1
USGS Map
Corner Stop 28
Ware Shoals, SC
Project # 05094.5

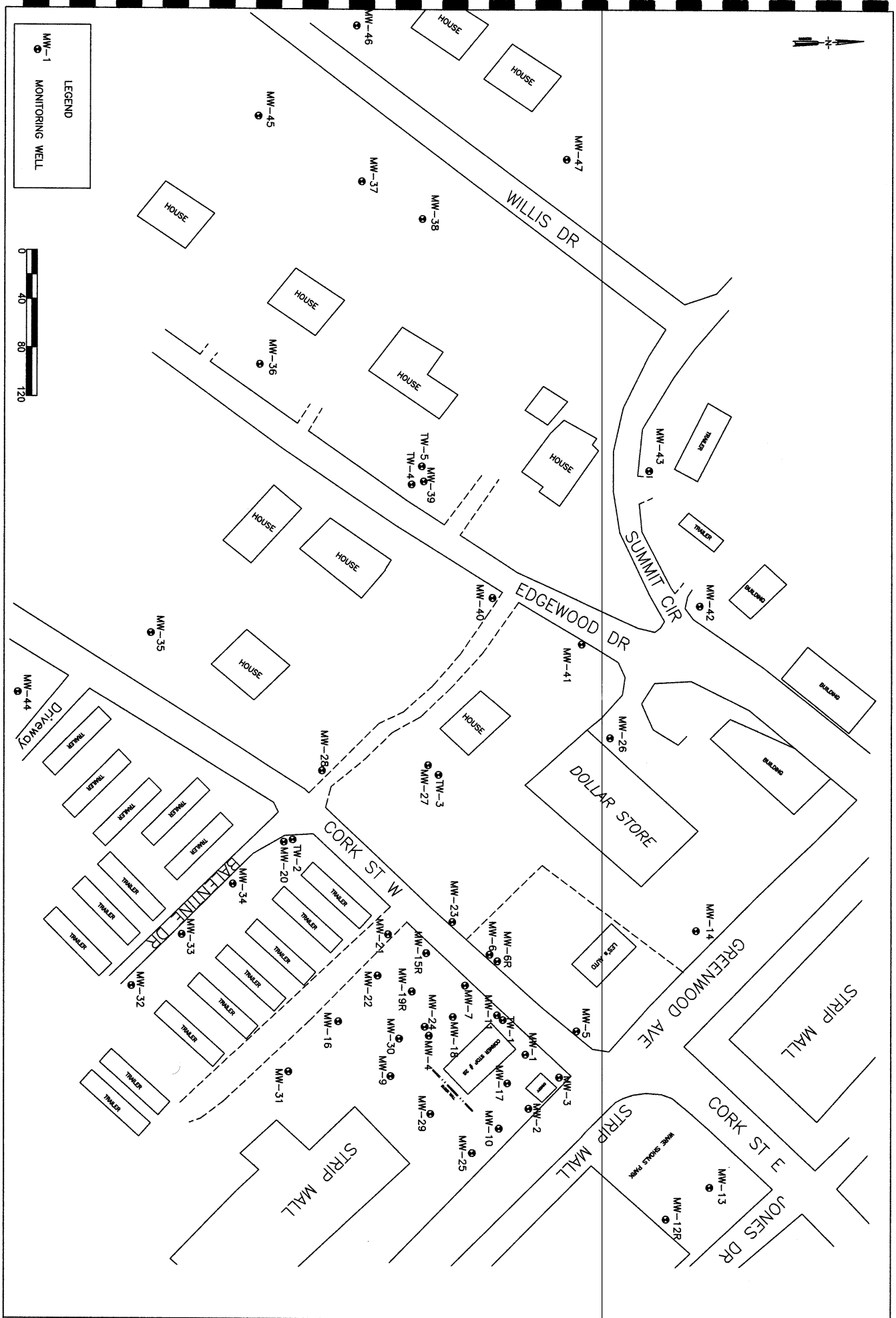


FIGURE 2
SITE MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

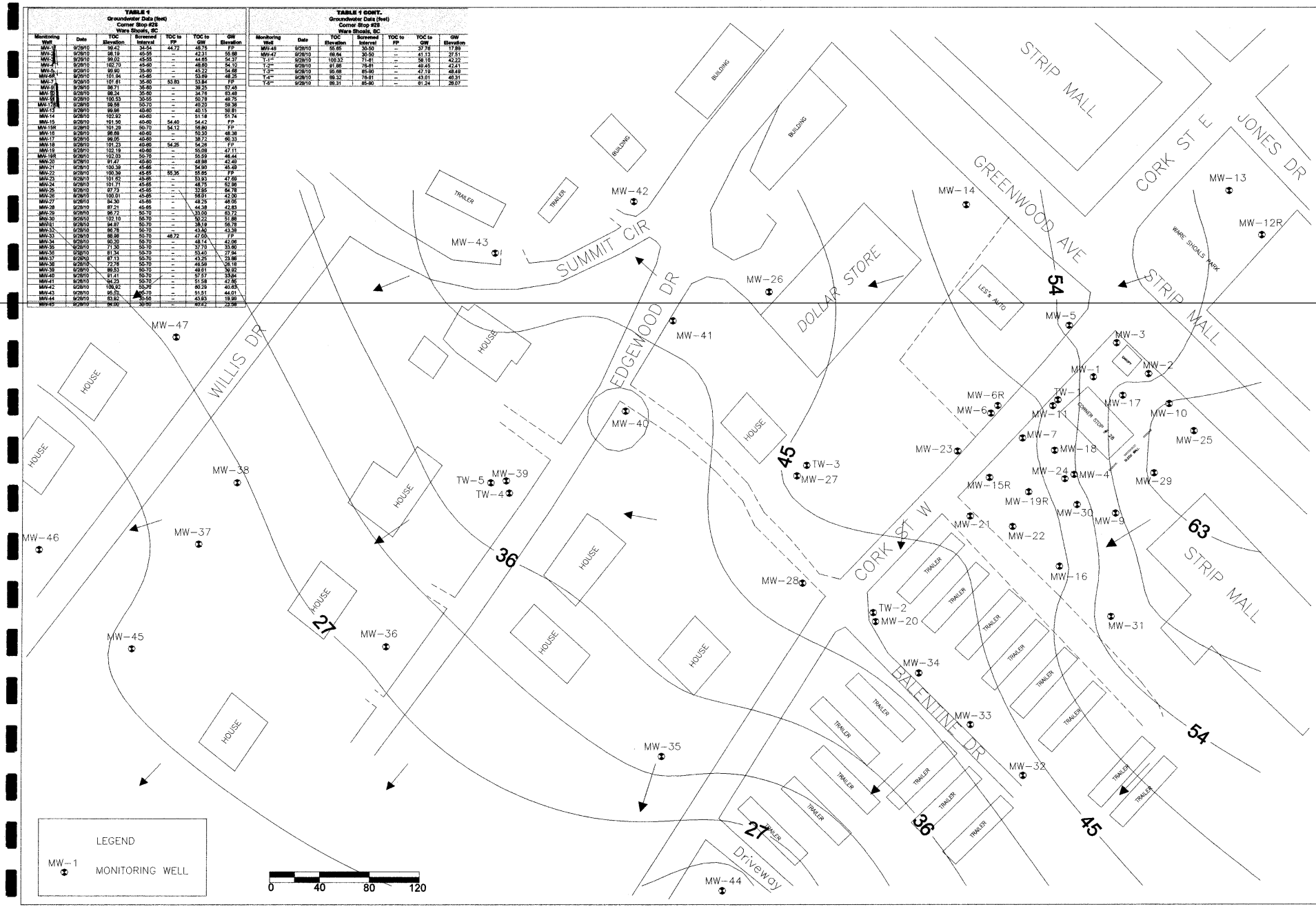
KLM Environmental, LLC
Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

TABLE 1
Groundwater Data (feet)
Corner Stop #28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	GW Elevation
MW-1	9/29/10	99.42	34-54	44.72	48.75	FP
MW-2	9/29/10	98.19	45-55	--	42.31	55.88
MW-3	9/29/10	99.02	45-55	--	44.65	54.37
MW-4	9/29/10	102.70	45-60	--	48.60	54.10
MW-5	9/29/10	99.60	35-60	--	45.22	54.38
MW-6R	9/29/10	101.94	45-65	--	53.69	48.25
MW-7	9/29/10	101.61	35-60	53.85	53.84	FP
MW-8	9/29/10	98.71	35-60	--	39.25	57.46
MW-9	9/29/10	98.24	35-60	--	34.76	63.48
MW-10	9/29/10	100.53	30-55	--	50.78	49.75
MW-12R	9/29/10	99.58	50-70	--	40.20	59.38
MW-13	9/29/10	99.98	40-60	--	40.15	59.81
MW-14	9/29/10	102.92	40-60	--	51.18	51.74
MW-15	9/29/10	101.50	40-60	54.40	54.42	FP
MW-15R	9/29/10	101.28	50-70	54.12	56.80	FP
MW-16	9/29/10	98.88	40-60	--	50.30	48.38
MW-17	9/29/10	99.05	40-60	--	38.72	60.33
MW-18	9/29/10	101.23	40-60	54.25	54.28	FP
MW-19	9/29/10	102.19	40-60	--	55.08	47.11
MW-19R	9/29/10	102.03	50-70	--	55.59	46.44
MW-20	9/29/10	91.47	40-60	--	48.98	42.49
MW-21	9/29/10	100.39	45-65	--	54.90	45.49
MW-22	9/29/10	100.39	45-65	55.35	55.85	FP
MW-23	9/29/10	101.62	45-65	--	53.93	47.69
MW-24	9/29/10	101.71	45-65	--	48.75	52.96
MW-25	9/29/10	97.73	45-65	--	32.85	64.78
MW-26	9/29/10	100.61	45-65	--	58.61	42.00
MW-27	9/29/10	94.30	45-65	--	48.25	46.05
MW-28	9/29/10	87.21	45-65	--	44.38	42.83
MW-29	9/29/10	96.72	50-70	--	33.00	63.72
MW-30	9/29/10	102.10	50-70	--	50.22	51.88
MW-31	9/29/10	94.97	50-70	--	38.19	56.78
MW-32	9/29/10	86.78	50-70	--	43.40	43.38
MW-33	9/29/10	88.88	50-70	48.72	47.65	FP
MW-34	9/29/10	90.20	50-70	--	48.14	42.06
MW-35	9/29/10	71.30	50-70	--	37.70	33.60
MW-36	9/29/10	81.34	50-70	--	53.40	27.94
MW-37	9/29/10	87.13	50-70	--	43.25	23.88
MW-38	9/29/10	72.76	50-70	--	46.58	26.18
MW-39	9/29/10	89.53	50-70	--	49.61	39.92
MW-40	9/29/10	91.41	50-70	--	57.57	33.84
MW-41	9/29/10	94.23	50-70	--	51.38	42.85
MW-42	9/29/10	100.92	50-70	--	60.29	40.63
MW-43	9/29/10	95.82	40-70	--	51.81	44.01
MW-44	9/29/10	83.82	30-50	--	43.93	19.89
MW-45	9/29/10	94.00	30-50	--	40.42	53.58

TABLE 1 CONT.
Groundwater Data (feet)
Corner Stop #28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	GW Elevation
MW-46	9/29/10	55.65	30-50	--	37.76	17.89
MW-47	9/29/10	68.64	30-50	--	41.13	27.51
T-1**	9/29/10	100.32	71-81	--	58.10	42.22
T-2**	9/29/10	91.86	76-81	--	49.45	42.41
T-3**	9/29/10	95.68	85-90	--	47.19	48.49
T-4**	9/29/10	89.32	76-81	--	43.01	46.31
T-5**	9/29/10	89.31	85-90	--	61.24	28.07



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Phase I-Phase II-Underground Storage Tanks-Soil & Water Sampling-Well Installation

FIGURE 3
PIEZOMETRIC MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

TABLE 2
Summary of Analytical Data
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene
	RSR	5	1000	700	10000	40	25
MW-1	9/1/09	FP	FP	FP	FP	FP	FP
MW-2	9/1/09	4170	21400	2950	16000	1600	850
MW-3	9/1/09	3130	21000	3140	17000	2600	1000
MW-4	9/1/09	DRY	DRY	DRY	DRY	DRY	DRY
MW-5	9/1/09	284	199	10.6	459	577	53.6
MW-6R	9/1/09	18.1	144	21.1	167	36.7	126
MW-7	9/1/09	FP	FP	FP	FP	FP	FP
MW-9	9/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0
MW-10	9/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0
MW-11	9/1/09	FP	FP	FP	FP	FP	FP
MW-12R	9/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0
MW-13	9/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0
MW-14	9/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0
MW-15	9/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0
MW-15R	9/1/09	DRY	DRY	DRY	DRY	DRY	DRY
MW-16	9/1/09	FP	FP	FP	FP	FP	FP
MW-17	9/1/09	10.0	108	14.6	206	45.0	36.3
MW-18	9/1/09	370	19600	1600	11000	650	1000
MW-19	9/1/09	5.0	5.0	5.0	10.0	5.0	5.0
MW-19R	9/1/09	DRY	DRY	DRY	DRY	DRY	DRY
MW-20	9/1/09	4700	44000	3700	19000	5340	1010
MW-21	9/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0
MW-22	9/1/09	2090	3700	1060	6100	830	750
MW-23	9/1/09	FP	FP	FP	FP	FP	FP
MW-24	9/1/09	<5.0	<5.0	<5.0	<10.0	17.6	<5.0
MW-25	9/1/09	189	106	121	205	35.7	49.0
MW-26	9/1/09	<5.0	<5.0	<5.0	8.6	<5.0	<5.0
MW-27	9/1/09	716	<25.0	12.5	229	35.9	61.0
MW-28	9/1/09	1180	<100	<100	375	2850	<100
MW-29	9/1/09	3640	50.3	26.8	1410	6780	399
MW-30	9/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0
MW-31	9/1/09	13.8	11.0	7.0	126	13.2	69.8
MW-32	9/1/09	<5.0	1.6	<5.0	3.7	<5.0	<5.0
MW-33	9/1/09	<5.0	2.4	<5.0	4.9	<5.0	<5.0
MW-34	9/1/09	FP	FP	FP	FP	FP	FP
MW-35	9/1/09	6670	45300	3610	16300	5650	685
MW-36	9/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0
MW-37	9/1/09	<5.0	<5.0	<5.0	<10.0	2.8	<5.0
MW-38	9/1/09	<5.0	<5.0	<5.0	<10.0	247	<5.0
MW-39	9/1/09	<5.0	<5.0	<5.0	<10.0	218	<5.0
MW-40	9/1/09	<5.0	<5.0	<5.0	<10.0	12.4	<5.0
MW-41	9/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0
MW-42	9/1/09	DRY	DRY	DRY	DRY	DRY	DRY
MW-43	9/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0
MW-44	9/1/09	<5.0	<5.0	<5.0	<10.0	12.0	<5.0
MW-45	9/29/10	55.8	<25.0	<25.0	49.4	665	41.4
MW-46	9/29/10	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0

TABLE 2 CONT.
Summary of Analytical Data
Corner Stop #28
Ware Shoals, SC

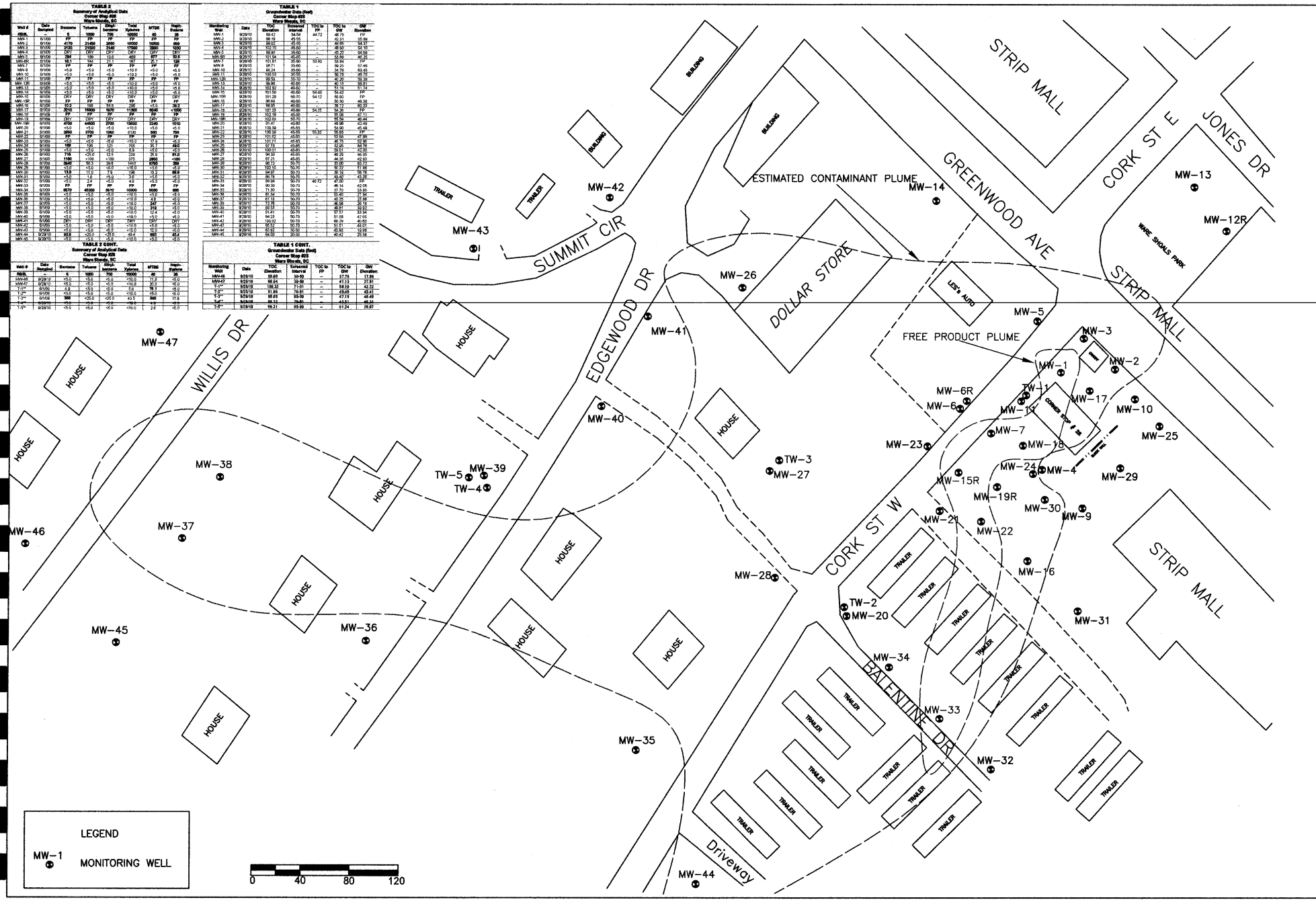
Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene
	RSR	5	1000	700	10000	40	25
MW-46	9/29/10	<5.0	<5.0	<5.0	<10.0	3.3	<5.0
MW-47	9/29/10	<5.0	<5.0	<5.0	<10.0	26.3	<5.0
T-1**	9/1/09	4.8	5.0	5.7	5.6	38.1	<5.0
T-2**	9/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0
T-3**	9/1/09	308	<25.0	<25.0	43.5	668	17.8
T-4**	9/29/10	<5.0	<5.0	<5.0	<10.0	5.9	<5.0
T-5**	9/29/10	<5.0	<5.0	<5.0	<10.0	2.8	<5.0

TABLE 1
Groundwater Data (feet)
Corner Stop #28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	GW Elevation
MW-1	9/29/10	99.42	34-54	44.72	46.75	52.67
MW-2	9/29/10	99.07	35-50	–	42.85	56.22
MW-3	9/29/10	102.70	45-60	–	48.60	54.10
MW-4	9/29/10	102.85	45-60	–	45.72	57.13
MW-5	9/29/10	99.99	35-60	–	45.72	54.28
MW-6R	9/29/10	101.54	45-60	–	53.29	48.25
MW-7	9/29/10	101.81	35-60	53.60	53.94	FP
MW-9	9/29/10	96.71	35-60	–	39.23	57.48
MW-10	9/29/10	95.34	35-60	–	34.76	60.58
MW-11	9/29/10	100.53	30-55	–	50.78	49.75
MW-12R	9/29/10	99.93	50-70	–	49.20	50.73
MW-13	9/29/10	96.96	40-60	–	40.13	56.83
MW-14	9/29/10	104.62	40-60	–	51.38	53.24
MW-15	9/29/10	101.50	40-60	54.49	54.42	FP
MW-15R	9/29/10	101.39	50-70	54.12	52.80	FP
MW-16	9/29/10	99.66	40-60	–	50.99	48.68
MW-17	9/29/10	99.05	40-60	–	38.72	60.33
MW-18	9/29/10	101.13	40-60	54.25	54.26	FP
MW-19	9/29/10	102.19	40-60	–	46.98	55.21
MW-19R	9/29/10	102.19	50-70	–	47.08	55.11
MW-20	9/29/10	97.47	40-60	–	49.68	47.79
MW-21	9/29/10	100.36	45-65	–	54.90	45.46
MW-22	9/29/10	100.39	45-65	55.31	56.65	FP
MW-23	9/29/10	101.82	45-65	–	53.93	47.89
MW-24	9/29/10	101.71	45-65	–	46.75	54.96
MW-25	9/29/10	97.73	45-65	–	52.95	44.78
MW-26	9/29/10	100.01	45-65	–	56.01	43.00
MW-27	9/29/10	94.50	45-65	–	48.35	46.05
MW-28	9/29/10	97.21	45-65	–	44.08	52.93
MW-29	9/29/10	96.72	50-70	–	33.06	63.72
MW-30	9/29/10	100.15	50-70	–	50.22	51.88
MW-31	9/29/10	94.87	50-70	–	36.19	58.78
MW-32	9/29/10	99.78	50-70	–	53.30	46.48
MW-33	9/29/10	99.99	50-70	46.72	47.00	FP
MW-34	9/29/10	99.95	50-70	–	46.14	52.06
MW-35	9/29/10	71.30	50-70	–	37.70	33.60
MW-36	9/29/10	97.14	50-70	–	52.56	44.58
MW-37	9/29/10	97.14	50-70	–	49.52	47.62
MW-38	9/29/10	102.18	50-70	–	46.28	55.90
MW-39	9/29/10	98.23	50-70	–	45.67	52.56
MW-40	9/29/10	91.41	50-70	–	37.57	53.84
MW-41	9/29/10	94.23	50-70	–	51.68	42.55
MW-42	9/29/10	100.02	50-70	–	60.29	40.63
MW-43	9/29/10	95.32	30-50	–	51.51	43.01
MW-44	9/29/10	93.82	30-50	–	45.94	19.88
MW-45	9/29/10	94.53	30-50	–	49.42	25.18

TABLE 1 CONT.
Groundwater Data (feet)
Corner Stop #28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	GW Elevation
MW-46	9/29/10	99.85	30-50	–	37.75	17.88
MW-47	9/29/10	99.84	30-50	–	41.13	27.81
T-1**	9/29/10	106.32	71-91	–	58.10	42.22
T-2**	9/29/10	91.88	76-91	–	49.46	42.41
T-3**	9/29/10	95.49	65-90	–	47.19	48.49
T-4**	9/29/10	89.38	75-90	–	43.81	45.41
T-5**	9/29/10	90.31	65-90	–	61.24	29.07



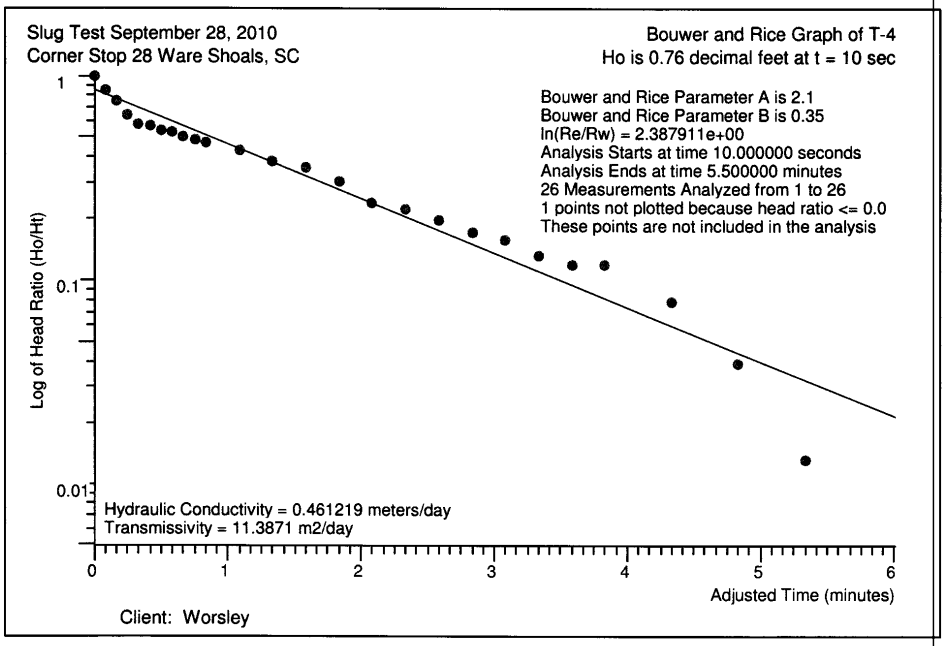
KLM Environmental, LLC

Phase I· Phase II· Underground Storage Tanks· Soil & Water Sampling· Well Installation

FIGURE 4
COC MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

Data from file: C:\SUPER\CS28T4.SLG
Title: Slug Test
Site Name: Corner Stop 28
Location: Ware Shoals, SC
Client: Worsley
Project Number:
Test Date: September 28, 2010
Well Number: T-4
Casing Radius: 1 inches
Effective Well Radius: 3 inches
Aquifer Thickness: 81 feet
Water Table to Screen Bottom: 35.05 feet
Screen Length: 5 feet
Static Water Level: 0.12 decimal feet
K ratio is not entered
There are 27 time and drawdown measurements
Tests starts with trial 1
Time values will be adjusted by 0.000115741 days (10.000000 seconds)

Trial	Time (seconds)	Adjusted Time (seconds)	Drawdown (decimal feet)	Head (decimal feet)	Head Ratio
1	10	0	0.88	0.76	1
2	15	5	0.77	0.65	0.855263
3	20	10	0.69	0.57	0.75
4	25	15	0.61	0.49	0.644737
5	30	20	0.56	0.44	0.578947
6	35	25	0.55	0.43	0.56579
7	40	30	0.53	0.41	0.539474
8	45	35	0.52	0.4	0.526316
9	50	40	0.5	0.38	0.5
10	55	45	0.49	0.37	0.486842
11	60	50	0.48	0.36	0.473684
12	75	65	0.45	0.33	0.434211
13	90	80	0.41	0.29	0.381579
14	105	95	0.39	0.27	0.355263
15	120	110	0.35	0.23	0.302632
16	135	125	0.3	0.18	0.236842
17	150	140	0.29	0.17	0.223684
18	165	155	0.27	0.15	0.197368
19	180	170	0.25	0.13	0.171053
20	195	185	0.24	0.12	0.157895
21	210	200	0.22	0.1	0.131579
22	225	215	0.21	0.09	0.118421
23	240	230	0.21	0.09	0.118421
24	270	260	0.18	0.06	0.0789474
25	300	290	0.15	0.03	0.0394737
26	330	320	0.13	0.01	0.0131579
27	360	350	0.12	0	0

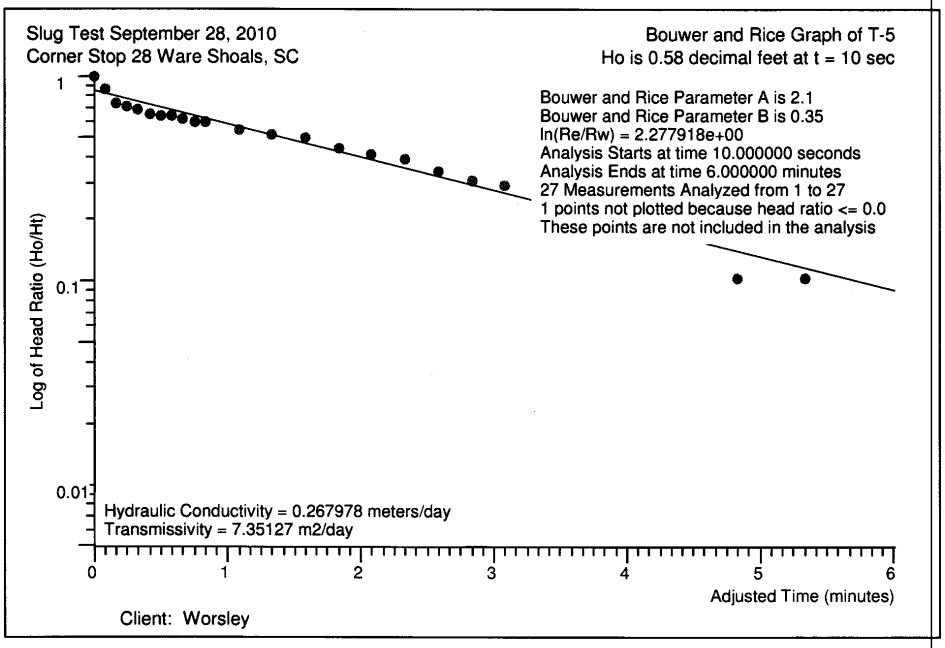

Slug Test September 28, 2010
Corner Stop 28 Ware Shoals, SC
Bouwer and Rice Graph of T-4
Ho is 0.76 decimal feet at t = 10 sec
Bouwer and Rice Parameter A is 2.1
Bouwer and Rice Parameter B is 0.35
ln(Re/Rw) = 2.387911e+00
Analysis Starts at time 10.000000 seconds
Analysis Ends at time 5.500000 minutes
26 Measurements Analyzed from 1 to 26
1 points not plotted because head ratio <= 0.0
These points are not included in the analysis
Log of Head Ratio (Ho/Ht)
1
0.1
0.01
Hydraulic Conductivity = 0.461219 meters/day
Transmissivity = 11.3871 m2/day
0
1
2
3
4
5
6
Adjusted Time (minutes)
Client: Worsley

Data has not been saved

Title:	Slug Test
Site Name:	Corner Stop 28
Location:	Ware Shoals, SC
Client:	Worsley
Project Number:	
Test Date:	September 28, 2010
Well Number:	T-5
Casing Radius:	1 inches
Effective Well Radius:	3 inches
Aquifer Thickness:	90 feet
Water Table to Screen Bottom:	25.95 feet
Screen Length:	5 feet
Static Water Level:	0.37 decimal feet

K ratio is not entered
There are 27 time and drawdown measurements
Tests starts with trial 1
Time values will be adjusted by 0.000115741 days (10.000000 seconds)

Trial	Time (seconds)	Adjusted Time (seconds)	Drawdown (decimal feet)	Head (decimal feet)	Head Ratio
1	10	0	0.95	0.58	1
2	15	5	0.87	0.5	0.862069
3	20	10	0.8	0.43	0.741379
4	25	15	0.78	0.41	0.706897
5	30	20	0.77	0.4	0.689655
6	35	25	0.75	0.38	0.655172
7	40	30	0.74	0.37	0.637931
8	45	35	0.74	0.37	0.637931
9	50	40	0.73	0.36	0.62069
10	55	45	0.72	0.35	0.603448
11	60	50	0.72	0.35	0.603448
12	75	65	0.69	0.32	0.551724
13	90	80	0.67	0.3	0.517241
14	105	95	0.66	0.29	0.5
15	120	110	0.63	0.26	0.448276
16	135	125	0.61	0.24	0.413793
17	150	140	0.6	0.23	0.396552
18	165	155	0.57	0.2	0.344828
19	180	170	0.55	0.18	0.310345
20	195	185	0.54	0.17	0.293104
21	210	200	0.53	0.16	0.275862
22	225	215	0.51	0.14	0.241379
23	240	230	0.5	0.13	0.224138
24	270	260	0.47	0.1	0.172414
25	300	290	0.43	0.06	0.103448
26	330	320	0.43	0.06	0.103448
27	360	350	0.37	0	0


Slug Test September 28, 2010
Corner Stop 28 Ware Shoals, SC
Bouwer and Rice Graph of T-5
Ho is 0.58 decimal feet at t = 10 sec
Bouwer and Rice Parameter A is 2.1
Bouwer and Rice Parameter B is 0.35
ln(Re/Rw) = 2.277918e+00
Analysis Starts at time 10.000000 seconds
Analysis Ends at time 6.000000 minutes
27 Measurements Analyzed from 1 to 27
1 points not plotted because head ratio <= 0.0
These points are not included in the analysis
Log of Head Ratio (Ho/Ht)
1
0.1
0.01
Hydraulic Conductivity = 0.267978 meters/day
Transmissivity = 7.35127 m2/day
0
1
2
3
4
5
6
Adjusted Time (minutes)
Client: Worsley

DHEC
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Operating Company (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28409
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-44

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tan silty clay	9 ft	0 - 9 ft
Gray rock	6 ft	9 - 15 ft
Tan Clay	12 ft	15 - 27 ft
Tan clay and gray rock	23 ft	27 - 50 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-22950

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

9. WELL DEPTH (completed) 50 ft. Date Started: 9/22//2010 Date Completed: 9/22/2010

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 30 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 30 ft. and 50 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL 44 ft 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 28 ft. to 50 lt.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 3 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 9/22/2010
Well Driller

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

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

DHEC
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Operating Company (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28409
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-45

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tan silty clay	15 ft	0 - 15 ft
Gray rock	10 ft	15 - 25 ft
Tan Clay	7 ft	25 - 32 ft
Tan clay and gray rock	18 ft	32 - 50 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-22950

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

9. WELL DEPTH (completed) 50 ft. Date Started: 9/22//2010 Date Completed: 9/22/2010

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 30 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 30 ft. and 50 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL 44 ft 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 28 ft. to 50 lt.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 3 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 9/22/2010
Well Driller

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

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Name: Worsley Operating Company (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28409
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-46

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tan silty clay	15 ft	0 - 15 ft
Tan Clay	10 ft	15 - 25 ft
Tan clay and gray rock	25 ft	25 - 50 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-22950

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

9. WELL DEPTH (completed) Date Started: 9/22//2010
50 ft. Date Completed: 9/22/2010

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 30 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 30 ft. and 50 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL 44 ft 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 28 ft. to 50 lt.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 3 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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

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Signed: _____ Date: 9/22/2010
Well Driller

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Name: Worsley Operating Company (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28409
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-47

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tan silty clay	10 ft	0 - 10 ft
Tan Clay	10 ft	10 - 20 ft
Tan clay and gray rock	30 ft	20 - 50 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-22950

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

9. WELL DEPTH (completed) Date Started: 9/22//2010
50 ft. Date Completed: 9/22/2010

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 30 ft. depth
_____ in. to _____ ft. depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20 ft
Set Between: 30 ft. and 50 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL 44 ft 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 28 ft. to 50 ft.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 3 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 9/22/2010
Well Driller

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

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

DHEC
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Operating Company (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28409
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: TW-4

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tan silty clay	10 ft	0 - 15 ft
Gray rock	10 ft	15 - 30 ft
Tan Clay	30 ft	30 - 45 ft
Tan clay and gray rock	36 ft	45 - 81
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-22950

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

9. WELL DEPTH (completed) 81 ft. Date Started: 9/22//2010 Date Completed: 9/23/2010

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 76 ft. depth
4 in. to 73 ft. depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 5 ft
Set Between: 76 ft. and 81 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL 50 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 74 ft. to 81 ft.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 73 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 9/23/2010
Well Driller

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

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

DHEC
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Operating Company (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28409
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: TW-5

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Tan silty clay	10 ft	0 - 15 ft
Gray rock	10 ft	15 - 30 ft
Tan Clay	30 ft	30 - 45 ft
Tan clay and gray rock	45 ft	45 - 90 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-22950

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

9. WELL DEPTH (completed) 90 ft. Date Started: 9/22//2010 Date Completed: 9/23/2010

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 85 ft. depth
4 in. to 75 ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2
Slot/Gauge: 0.010 Length: 5 ft
Set Between: 85 ft. and 90 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL 50 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 83 ft. to 90 lt.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 77 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A B C D ☒ ☐ ☐ ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 9/23/2010
Well Driller

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

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

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

October 19, 2010

Mr. Mark Keller
KLM Environmental
PO Box 2704
Goose Creek, SC 29445

RE: Project: CORNERSTOP 28
Pace Project No.: 9279450

Dear Mr. Keller:
Enclosed are the analytical results for sample(s) received by the laboratory on October 09, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

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

Sincerely,

Kevin Herring

kevin.herring@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: CORNERSTOP 28
Pace Project No.: 9279450

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031

Asheville Certification IDs
2225 Riverside Dr., Asheville, NC 28804
Connecticut Certification #: PH-0106
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
New Jersey Certification #: NC011
North Carolina Bioassay Certification #: 9
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
Pennsylvania Certification #: 68-03578
South Carolina Bioassay Certification #: 99030002
South Carolina Certification #: 99030001
Virginia Certification #: 00072

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SAMPLE SUMMARY

Project: CORNERSTOP 28
Pace Project No.: 9279450

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9279450001	**MW-44**	Water	09/28/10 14:00	10/09/10 09:00
9279450002	**MW-45**	Water	09/28/10 13:30	10/09/10 09:00
9279450003	**MW-46**	Water	09/28/10 13:00	10/09/10 09:00
9279450004	**MW-47**	Water	09/28/10 12:30	10/09/10 09:00
9279450005	**TW-4**	Water	09/28/10 11:30	10/09/10 09:00
9279450006	**TW-5**	Water	09/28/10 12:00	10/09/10 09:00

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SAMPLE ANALYTE COUNT

Project: CORNERSTOP 28
Pace Project No.: 9279450

Lab ID	Sample ID	Method	Analysts	Analytes Reported
9279450001	**MW-44**	EPA 8011	CAH	2
		EPA 6010	SHB	1
		EPA 8260	KJM	22
9279450002	**MW-45**	EPA 8011	CAH	2
		EPA 6010	SHB	1
		EPA 8260	KJM	22
9279450003	**MW-46**	EPA 8011	CAH	2
		EPA 6010	SHB	1
		EPA 8260	KJM	22
9279450004	**MW-47**	EPA 8011	CAH	2
		EPA 6010	SHB	1
		EPA 8260	KJM	22
9279450005	**TW-4**	EPA 8011	CAH	2
		EPA 6010	SHB	1
		EPA 8260	KJM	22
9279450006	**TW-5**	EPA 8011	CAH	2
		EPA 6010	SHB	1
		EPA 8260	KJM	22

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ANALYTICAL RESULTS

Project: CORNERSTOP 28
Pace Project No.: 9279450

Sample: MW-44 **Lab ID: 9279450001** Collected: 09/28/10 14:00 Received: 10/09/10 09:00 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)	**0.15**	ug/L	0.020	0.020	1	10/12/10 15:02	10/12/10 17:46	106-93-4	
1-Chloro-2-bromopropane (S)	104	%	60-140		1	10/12/10 15:02	10/12/10 17:46	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**38.3**	ug/L	5.0	4.0	1	10/13/10 11:15	10/15/10 21:13	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	500	310	5		10/12/10 15:43	75-85-4	
tert-Amylmethyl ether	**32.2J**	ug/L	50.0	22.5	5		10/12/10 15:43	994-05-8	
Benzene	**83.8**	ug/L	25.0	6.0	5		10/12/10 15:43	71-43-2	pH
3,3-Dimethyl-1-Butanol	ND	ug/L	500	240	5		10/12/10 15:43	624-95-3	
tert-Butyl Alcohol	ND	ug/L	500	135	5		10/12/10 15:43	75-65-0	
tert-Butyl Formate	ND	ug/L	250	45.0	5		10/12/10 15:43	762-75-4	
1,2-Dibromoethane (EDB)	ND	ug/L	25.0	18.0	5		10/12/10 15:43	106-93-4	
1,2-Dichloroethane	**6.5J**	ug/L	25.0	6.5	5		10/12/10 15:43	107-06-2	
Diisopropyl ether	**184**	ug/L	25.0	13.5	5		10/12/10 15:43	108-20-3	
Ethanol	ND	ug/L	1000	850	5		10/12/10 15:43	64-17-5	
Ethylbenzene	ND	ug/L	25.0	5.5	5		10/12/10 15:43	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	23.0	5		10/12/10 15:43	637-92-3	
Methyl-tert-butyl ether	**593**	ug/L	25.0	10.0	5		10/12/10 15:43	1634-04-4	
Naphthalene	**43.4**	ug/L	25.0	14.5	5		10/12/10 15:43	91-20-3	
Toluene	ND	ug/L	25.0	9.0	5		10/12/10 15:43	108-88-3	
Xylene (Total)	**49.4J**	ug/L	50.0	13.5	5		10/12/10 15:43	1330-20-7	
m&p-Xylene	ND	ug/L	50.0	13.5	5		10/12/10 15:43	179601-23-1	
o-Xylene	**42.7**	ug/L	25.0	8.5	5		10/12/10 15:43	95-47-6	
Dibromofluoromethane (S)	100	%	70-130		5		10/12/10 15:43	1868-53-7	
Toluene-d8 (S)	98	%	70-130		5		10/12/10 15:43	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		5		10/12/10 15:43	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		5		10/12/10 15:43	17060-07-0	

Sample: MW-45 **Lab ID: 9279450002** Collected: 09/28/10 13:30 Received: 10/09/10 09:00 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	10/12/10 15:02	10/12/10 18:47	106-93-4	
1-Chloro-2-bromopropane (S)	107	%	60-140		1	10/12/10 15:02	10/12/10 18:47	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**31.3**	ug/L	5.0	4.0	1	10/13/10 11:15	10/15/10 21:24	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	62.0	1		10/11/10 18:40	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	4.5	1		10/11/10 18:40	994-05-8	

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Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: CORNERSTOP 28
Pace Project No.: 9279450

Sample: MW-45 **Lab ID: 9279450002** Collected: 09/28/10 13:30 Received: 10/09/10 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Benzene	ND	ug/L	5.0	1.2	1		10/11/10 18:40	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	48.0	1		10/11/10 18:40	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.0	1		10/11/10 18:40	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	9.0	1		10/11/10 18:40	762-75-4	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	3.6	1		10/11/10 18:40	106-93-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		10/11/10 18:40	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	2.7	1		10/11/10 18:40	108-20-3	
Ethanol	ND	ug/L	200	170	1		10/11/10 18:40	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.1	1		10/11/10 18:40	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	4.6	1		10/11/10 18:40	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.0	1		10/11/10 18:40	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.9	1		10/11/10 18:40	91-20-3	
Toluene	ND	ug/L	5.0	1.8	1		10/11/10 18:40	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		10/11/10 18:40	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	2.7	1		10/11/10 18:40	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.7	1		10/11/10 18:40	95-47-6	
Dibromofluoromethane (S)	95	%	70-130		1		10/11/10 18:40	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		10/11/10 18:40	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		1		10/11/10 18:40	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		10/11/10 18:40	17060-07-0	

Sample: MW-46 **Lab ID: 9279450003** Collected: 09/28/10 13:00 Received: 10/09/10 09:00 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	10/12/10 15:02	10/12/10 19:27	106-93-4	
1-Chloro-2-bromopropane (S)	102	%	60-140		1	10/12/10 15:02	10/12/10 19:27	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	10/13/10 11:15	10/15/10 21:44	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	62.0	1		10/11/10 18:59	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	4.5	1		10/11/10 18:59	994-05-8	
Benzene	ND	ug/L	5.0	1.2	1		10/11/10 18:59	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	48.0	1		10/11/10 18:59	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.0	1		10/11/10 18:59	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	9.0	1		10/11/10 18:59	762-75-4	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	3.6	1		10/11/10 18:59	106-93-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		10/11/10 18:59	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	2.7	1		10/11/10 18:59	108-20-3	
Ethanol	ND	ug/L	200	170	1		10/11/10 18:59	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.1	1		10/11/10 18:59	100-41-4	

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(704)875-9092

ANALYTICAL RESULTS

Project: CORNERSTOP 28
Pace Project No.: 9279450

Sample: MW-46 **Lab ID: 9279450003** Collected: 09/28/10 13:00 Received: 10/09/10 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Ethyl-tert-butyl ether	ND	ug/L	10.0	4.6	1		10/11/10 18:59	637-92-3	
Methyl-tert-butyl ether	**11.8**	ug/L	5.0	2.0	1		10/11/10 18:59	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.9	1		10/11/10 18:59	91-20-3	
Toluene	ND	ug/L	5.0	1.8	1		10/11/10 18:59	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		10/11/10 18:59	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	2.7	1		10/11/10 18:59	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.7	1		10/11/10 18:59	95-47-6	
Dibromofluoromethane (S)	98	%	70-130		1		10/11/10 18:59	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		10/11/10 18:59	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130		1		10/11/10 18:59	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		10/11/10 18:59	17060-07-0	

Sample: MW-47 **Lab ID: 9279450004** Collected: 09/28/10 12:30 Received: 10/09/10 09:00 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	10/12/10 15:02	10/12/10 19:48	106-93-4	
1-Chloro-2-bromopropane (S)	100	%	60-140		1	10/12/10 15:02	10/12/10 19:48	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**23.6**	ug/L	5.0	4.0	1	10/13/10 11:15	10/15/10 21:48	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	62.0	1		10/11/10 19:17	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	4.5	1		10/11/10 19:17	994-05-8	
Benzene	ND	ug/L	5.0	1.2	1		10/11/10 19:17	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	48.0	1		10/11/10 19:17	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.0	1		10/11/10 19:17	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	9.0	1		10/11/10 19:17	762-75-4	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	3.6	1		10/11/10 19:17	106-93-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		10/11/10 19:17	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	2.7	1		10/11/10 19:17	108-20-3	
Ethanol	ND	ug/L	200	170	1		10/11/10 19:17	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.1	1		10/11/10 19:17	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	4.6	1		10/11/10 19:17	637-92-3	
Methyl-tert-butyl ether	**20.6**	ug/L	5.0	2.0	1		10/11/10 19:17	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.9	1		10/11/10 19:17	91-20-3	
Toluene	ND	ug/L	5.0	1.8	1		10/11/10 19:17	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		10/11/10 19:17	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	2.7	1		10/11/10 19:17	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.7	1		10/11/10 19:17	95-47-6	
Dibromofluoromethane (S)	99	%	70-130		1		10/11/10 19:17	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/11/10 19:17	2037-26-5	

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ANALYTICAL RESULTS

Project: CORNERSTOP 28
Pace Project No.: 9279450

Sample: MW-47 **Lab ID: 9279450004** Collected: 09/28/10 12:30 Received: 10/09/10 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
4-Bromofluorobenzene (S)	102	%	70-130		1		10/11/10 19:17	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		10/11/10 19:17	17060-07-0	

Sample: TW-4 **Lab ID: 9279450005** Collected: 09/28/10 11:30 Received: 10/09/10 09:00 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	10/12/10 15:02	10/12/10 20:08	106-93-4	
1-Chloro-2-bromopropane (S)	105	%	60-140		1	10/12/10 15:02	10/12/10 20:08	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**68.4**	ug/L	5.0	4.0	1	10/13/10 11:15	10/15/10 21:52	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	62.0	1		10/11/10 19:36	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	4.5	1		10/11/10 19:36	994-05-8	
Benzene	ND	ug/L	5.0	1.2	1		10/11/10 19:36	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	48.0	1		10/11/10 19:36	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.0	1		10/11/10 19:36	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	9.0	1		10/11/10 19:36	762-75-4	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	3.6	1		10/11/10 19:36	106-93-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		10/11/10 19:36	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	2.7	1		10/11/10 19:36	108-20-3	
Ethanol	ND	ug/L	200	170	1		10/11/10 19:36	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.1	1		10/11/10 19:36	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	4.6	1		10/11/10 19:36	637-92-3	
Methyl-tert-butyl ether	**4.8J**	ug/L	5.0	2.0	1		10/11/10 19:36	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.9	1		10/11/10 19:36	91-20-3	
Toluene	ND	ug/L	5.0	1.8	1		10/11/10 19:36	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		10/11/10 19:36	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	2.7	1		10/11/10 19:36	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.7	1		10/11/10 19:36	95-47-6	
Dibromofluoromethane (S)	99	%	70-130		1		10/11/10 19:36	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		10/11/10 19:36	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		1		10/11/10 19:36	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		10/11/10 19:36	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNERSTOP 28
Pace Project No.: 9279450

Sample: TW-5 **Lab ID: 9279450006** Collected: 09/28/10 12:00 Received: 10/09/10 09:00 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	10/12/10 15:02	10/12/10 20:28	106-93-4	
1-Chloro-2-bromopropane (S)	95	%	60-140		1	10/12/10 15:02	10/12/10 20:28	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**65.9**	ug/L	5.0	4.0	1	10/13/10 11:15	10/15/10 21:58	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	62.0	1		10/11/10 19:54	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	4.5	1		10/11/10 19:54	994-05-8	
Benzene	ND	ug/L	5.0	1.2	1		10/11/10 19:54	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	48.0	1		10/11/10 19:54	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.0	1		10/11/10 19:54	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	9.0	1		10/11/10 19:54	762-75-4	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	3.6	1		10/11/10 19:54	106-93-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		10/11/10 19:54	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	2.7	1		10/11/10 19:54	108-20-3	
Ethanol	ND	ug/L	200	170	1		10/11/10 19:54	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.1	1		10/11/10 19:54	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	4.6	1		10/11/10 19:54	637-92-3	
Methyl-tert-butyl ether	**2.8J**	ug/L	5.0	2.0	1		10/11/10 19:54	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.9	1		10/11/10 19:54	91-20-3	
Toluene	ND	ug/L	5.0	1.8	1		10/11/10 19:54	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		10/11/10 19:54	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	2.7	1		10/11/10 19:54	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.7	1		10/11/10 19:54	95-47-6	
Dibromofluoromethane (S)	100	%	70-130		1		10/11/10 19:54	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		10/11/10 19:54	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1		10/11/10 19:54	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		10/11/10 19:54	17060-07-0	

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QUALITY CONTROL DATA

Project: CORNERSTOP 28
Pace Project No.: 9279450

QC Batch: OEXT/11462 — Analysis Method: EPA 8011
QC Batch Method: EPA 8011 — Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 9279450001, 9279450002, 9279450003, 9279450004, 9279450005, 9279450006

METHOD BLANK: 510486 — Matrix: Water
Associated Lab Samples: 9279450001, 9279450002, 9279450003, 9279450004, 9279450005, 9279450006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	10/12/10 16:45	
1-Chloro-2-bromopropane (S)	%	104	60-140	10/12/10 16:45	

LABORATORY CONTROL SAMPLE & LCSD: 510487 510488

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.28	0.37	0.36	132	124	60-140	5	20	
1-Chloro-2-bromopropane (S)	%				107	105	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 510489 510490

Parameter	Units	9279450001 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	0.15	.28	.28	0.48	0.48	118	118	60-140	0	20	
1-Chloro-2-bromopropane (S)	%						108	105	60-140			

SAMPLE DUPLICATE: 510491

Parameter	Units	9279450002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	107	100	6		

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QUALITY CONTROL DATA

Project: CORNERSTOP 28
Pace Project No.: 9279450

QC Batch: MPRP/7228 — Analysis Method: EPA 6010
QC Batch Method: EPA 3010 — Analysis Description: 6010 MET
Associated Lab Samples: 9279450001, 9279450002, 9279450003, 9279450004, 9279450005, 9279450006

METHOD BLANK: 511022 — Matrix: Water
Associated Lab Samples: 9279450001, 9279450002, 9279450003, 9279450004, 9279450005, 9279450006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	10/15/10 21:05	

LABORATORY CONTROL SAMPLE: 511023

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	476	95	80-120	

MATRIX SPIKE SAMPLE: 511024

Parameter	Units	9279450001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	38.3	500	373	67	75-125	M0

SAMPLE DUPLICATE: 511025

Parameter	Units	9279450002 Result	Dup Result	RPD	Max RPD	Qualifiers
Lead	ug/L	31.3	31.9	2	20	

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QUALITY CONTROL DATA

Project: CORNERSTOP 28
Pace Project No.: 9279450

QC Batch: MSV/12591 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV Oxygenates SC
Associated Lab Samples: 9279450002, 9279450003, 9279450004, 9279450005, 9279450006

METHOD BLANK: 510090 — Matrix: Water
Associated Lab Samples: 9279450002, 9279450003, 9279450004, 9279450005, 9279450006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	10/11/10 12:12	
1,2-Dichloroethane	ug/L	ND	5.0	10/11/10 12:12	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	10/11/10 12:12	
Benzene	ug/L	ND	5.0	10/11/10 12:12	
Diisopropyl ether	ug/L	ND	5.0	10/11/10 12:12	
Ethanol	ug/L	ND	200	10/11/10 12:12	
Ethyl-tert-butyl ether	ug/L	ND	10.0	10/11/10 12:12	
Ethylbenzene	ug/L	ND	5.0	10/11/10 12:12	
m&p-Xylene	ug/L	ND	10.0	10/11/10 12:12	
Methyl-tert-butyl ether	ug/L	ND	5.0	10/11/10 12:12	
Naphthalene	ug/L	ND	5.0	10/11/10 12:12	
o-Xylene	ug/L	ND	5.0	10/11/10 12:12	
tert-Amyl Alcohol	ug/L	ND	100	10/11/10 12:12	
tert-Amylmethyl ether	ug/L	ND	10.0	10/11/10 12:12	
tert-Butyl Alcohol	ug/L	ND	100	10/11/10 12:12	
tert-Butyl Formate	ug/L	ND	50.0	10/11/10 12:12	
Toluene	ug/L	ND	5.0	10/11/10 12:12	
Xylene (Total)	ug/L	ND	10.0	10/11/10 12:12	
1,2-Dichloroethane-d4 (S)	%	90	70-130	10/11/10 12:12	
4-Bromofluorobenzene (S)	%	105	70-130	10/11/10 12:12	
Dibromofluoromethane (S)	%	94	70-130	10/11/10 12:12	
Toluene-d8 (S)	%	97	70-130	10/11/10 12:12	

LABORATORY CONTROL SAMPLE: 510091

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	50	44.5	89	70-130	
1,2-Dichloroethane	ug/L	50	42.1	84	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1230	123	70-130	
Benzene	ug/L	50	41.6	83	70-130	
Diisopropyl ether	ug/L	50	40.7	81	70-130	
Ethanol	ug/L	2000	2860	143	70-130	L3
Ethyl-tert-butyl ether	ug/L	100	88.6	89	70-130	
Ethylbenzene	ug/L	50	42.8	86	70-130	
m&p-Xylene	ug/L	100	87.3	87	70-130	
Methyl-tert-butyl ether	ug/L	50	42.2	84	70-130	
Naphthalene	ug/L	50	51.8	104	70-130	
o-Xylene	ug/L	50	46.0	92	70-130	
tert-Amyl Alcohol	ug/L	1000	1580	158	70-130	L3
tert-Amylmethyl ether	ug/L	100	93.5	94	70-130	
tert-Butyl Alcohol	ug/L	500	681	136	70-130	L3

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

QUALITY CONTROL DATA

Project: CORNERSTOP 28
Pace Project No.: 9279450

LABORATORY CONTROL SAMPLE: 510091

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butyl Formate	ug/L	400	337	84	70-130	
Toluene	ug/L	50	42.5	85	70-130	
Xylene (Total)	ug/L	150	133	89	70-130	
1,2-Dichloroethane-d4 (S)	%			90	70-130	
4-Bromofluorobenzene (S)	%			108	70-130	
Dibromofluoromethane (S)	%			93	70-130	
Toluene-d8 (S)	%			99	70-130	

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QUALITY CONTROL DATA

Project: CORNERSTOP 28
Pace Project No.: 9279450

QC Batch: MSV/12621 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV Oxygenates SC
Associated Lab Samples: 9279450001

METHOD BLANK: 510833 — Matrix: Water
Associated Lab Samples: 9279450001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	10/12/10 14:29	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	10/12/10 14:29	
Benzene	ug/L	ND	5.0	10/12/10 14:29	
Diisopropyl ether	ug/L	ND	5.0	10/12/10 14:29	
Ethanol	ug/L	ND	200	10/12/10 14:29	
Ethyl-tert-butyl ether	ug/L	ND	10.0	10/12/10 14:29	
Ethylbenzene	ug/L	ND	5.0	10/12/10 14:29	
m&p-Xylene	ug/L	ND	10.0	10/12/10 14:29	
Methyl-tert-butyl ether	ug/L	ND	5.0	10/12/10 14:29	
Naphthalene	ug/L	ND	5.0	10/12/10 14:29	
o-Xylene	ug/L	ND	5.0	10/12/10 14:29	
tert-Amyl Alcohol	ug/L	ND	100	10/12/10 14:29	
tert-Amylmethyl ether	ug/L	ND	10.0	10/12/10 14:29	
tert-Butyl Alcohol	ug/L	ND	100	10/12/10 14:29	
tert-Butyl Formate	ug/L	ND	50.0	10/12/10 14:29	
Toluene	ug/L	ND	5.0	10/12/10 14:29	
Xylene (Total)	ug/L	ND	10.0	10/12/10 14:29	
1,2-Dichloroethane-d4 (S)	%	100	70-130	10/12/10 14:29	
4-Bromofluorobenzene (S)	%	96	70-130	10/12/10 14:29	
Dibromofluoromethane (S)	%	100	70-130	10/12/10 14:29	
Toluene-d8 (S)	%	99	70-130	10/12/10 14:29	

LABORATORY CONTROL SAMPLE: 510834

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	50.8	102	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1200	120	70-130	
Benzene	ug/L	50	49.9	100	70-130	
Diisopropyl ether	ug/L	50	49.8	100	70-130	
Ethanol	ug/L	2000	2260	113	70-130	
Ethyl-tert-butyl ether	ug/L	100	101	101	70-130	
Ethylbenzene	ug/L	50	50.6	101	70-130	
m&p-Xylene	ug/L	100	102	102	70-130	
Methyl-tert-butyl ether	ug/L	50	50.4	101	70-130	
Naphthalene	ug/L	50	57.0	114	70-130	
o-Xylene	ug/L	50	52.2	104	70-130	
tert-Amyl Alcohol	ug/L	1000	1100	110	70-130	
tert-Amylmethyl ether	ug/L	100	104	104	70-130	
tert-Butyl Alcohol	ug/L	500	560	112	70-130	
tert-Butyl Formate	ug/L	400	378	94	70-130	
Toluene	ug/L	50	50.1	100	70-130	

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QUALITY CONTROL DATA

Project: CORNERSTOP 28
Pace Project No.: 9279450

LABORATORY CONTROL SAMPLE: 510834

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	155	103	70-130	
1,2-Dichloroethane-d4 (S)	%			96	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			100	70-130	
Toluene-d8 (S)	%			102	70-130	

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QUALIFIERS

Project: CORNERSTOP 28
Pace Project No.: 9279450

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
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.
U - Indicates the compound was analyzed for, but not detected.
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 NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
pH	Post-analysis pH measurement indicates insufficient VOA sample preservation.

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1380556

Section A Required Client Information:

Company: KLM Env
Address: Po Box 2704
Goose Creek SC 29445
Email To: mkeller131@comcast.net
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Mark Keller
Copy To:
Purchase Order No.:
Project Name: Cornerstop 28
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 824-3

REGULATORY AGENCY

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

Site Location STATE: SC

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): BTEX & MTBE	1,2 DCA	Lead	EDB	BOAY	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-44	WT	G	9/28/10			1400											X	X	X	X	X		001
2	MW-45						1330											X	X	X	X	X		002
3	MW-46						1300											X	X	X	X	X		003
4	MW-47						1230											X	X	X	X	X		004
5	TW-4						1130											X	X	X	X	X		005
6	TW-5						1200											X	X	X	X	X		006
7																								
8																								
9																								
10																								
11																								
12																								

9394450

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature]	10/8/10	1700	[signature] PACE	10/09/10	0900	3.0	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

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.

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

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/10.
Field Personnel J Boots / M. Bennett.
General Weather Condition Sunny.
Ambient Air Temperature 85 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 44

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 50 ft.
Depth to GW (DWG) 43.93 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	1	2	3					
Time (military)	1342	1351	1400					
Water Temp (°F)	68.6	68.5	68.3					
pH (s.u.)	8.82	8.79	8.78					
Specific Cond. (mS/cm)	.655	.652	.637					
Turbidity (*)	178	156	101					
Dissolved Oxygen	5.27	6.11	6.36					
Salinity	0.2	0.2	0.3					
OVA	–	–	–					

Sample Time: 1400

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/10.
Field Personnel J Boots / M. Bennett.
General Weather Condition Sunny.
Ambient Air Temperature 80 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # **MW-** 45

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 50 ft.
Depth to GW (DWG) 40.42 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	1.5	3.0	5.0					
Time (military)	1310	1320	1330					
Water Temp (°F)	65.8	65.5	65.2					
pH (s.u.)	5.61	5.38	5.23					
Specific Cond. (mS/cm)	.156	.150	.149					
Turbidity (*)	41	88	101					
Dissolved Oxygen	3.46	4.20	6.54					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1330

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/10
Field Personnel J Boots / M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 80 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 46

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 50 ft.
Depth to GW (DWG) 37.76 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	2	4	6					
Time (military)	1240	1250	1300					
Water Temp (°F)	66.1	65.9	65.9					
pH (s.u.)	4.91	4.88	4.82					
Specific Cond. (mS/cm)	.542	.550	.557					
Turbidity (*)	114	170	264					
Dissolved Oxygen	1.87	2.10	2.55					
Salinity	0.3	0.3	0.3					
OVA	-	-	-					

Sample Time: 1300

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/10
Field Personnel J Boots / M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 80 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 47

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 50 ft.
Depth to GW (DWG) 41.13 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	3	6	10					
Time (military)	1210	1220	1230					
Water Temp (°F)	66.7	66.5	66.0					
pH (s.u.)	5.72	5.67	5.63					
Specific Cond. (mS/cm)	.402	.419	.457					
Turbidity (*)	66	100	170					
Dissolved Oxygen	6.77	7.19	8.24					
Salinity	0.2	0.2	0.2					
OVA	-	-	-					

Sample Time: 1230

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/10
Field Personnel J Boots / M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- TW-~~3~~4

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 81 ft.
Depth to GW (DWG) [redacted] ft. 43.01

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	6.50	13	20					
Time (military)	1112	1124	1130					
Water Temp (°F)	67.8	66.7	66.1					
pH (s.u.)	5.88	5.62	5.43					
Specific Cond. (mS/cm)	.770	.772	.775					
Turbidity (*)	0.0	10	24					
Dissolved Oxygen	6.60	6.17	5.72					
Salinity	0.4	0.3	0.3					
OVA	–	–	–					

Sample Time: 1130

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/10
Field Personnel J Boots / M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- TW-45

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 90 ft.
Depth to GW (DWG) [redacted] ft. 61.24

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5	10	15					
Time (military)	1138	1150	1200					
Water Temp (°F)	66.1	65.7	65.1					
pH (s.u.)	6.31	6.69	6.78					
Specific Cond. (mS/cm)	.630	.583	.562					
Turbidity (*)	633	207	173					
Dissolved Oxygen	3.63	5.06	5.24					
Salinity	0.3	0.3	0.3					
OVA	–	–	–					

Sample Time: 1200

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US Water Recovery

Non-Hazardous Wastewater Manifest

Number:

1. Generator's EPA ID# (if applicable): Waste ID Number:

2. Generator's Name and Mailing Address: Phone ( )
Scutchman # 85
P O #:

3. Agent of Generator and Mailing Address: Phone ( )
KIM ENV
PO Box 2704 Goose Creek
P O #:

4. Transporter Company Name: Phone ( )
Vacuum Recovery
Truck & Trailer License Number: 1115 Spring Hill Dr Goose Creek SC

5. Transporter U.S. EPA ID#:

6. Facility Name and Site Address: Phone: (843) 797-8874
U S Water Recovery
435 Old Mt. Holly Rd.
Mt. Holly, SC 29445
Fax: (843) 797-2128

Mailing Address: Phone: (843) 797-3111
U S Water Recovery
210 S. Cedar Street
Summerville, SC 29483
Fax: (843) 797-1884

7. Facility U.S. EPA ID#:

Start Level: End Level: Total Gallons: Tank Number:

8. U.S. DOT Description	Container No.	Container Type	Unit	Quantity
Non-Hazardous, non-regulated waste water				3700
Grease trap 96				59 (2 drums)

9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.

Printed/Typed Name: Mark Kilr Signature: Date: 10-22-10

10. Transporter Acknowledgement of Receipt of Materials:
Printed/Typed Name: Juan Castro Signature: Date: 10-22-10

11. Discrepancy indication space:

12. Facility Owner or Operator: Certification of Receipt of Materials
Printed/Typed Name: David Ward Signature: Date: 10-22-10

White - Facility Yellow - Office Pink - Transporter Blue - Generator

7664

TABLE 1
Historical Groundwater Data (feet)
Corner Stop #28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	GW Elevation
MW-1	5/30/07	99.42	34-54	46.11	48.03	51.39
	10/23/07			46.53	48.20	51.22
	2/27/08			47.32	48.94	--
	12/4/08			49.26	49.57	FP
	6/1/09			48.11	48.57	--
	9/28/10			44.72	48.75	FP
MW-2	5/30/07	98.19	45-55	-	43.38	54.81
	10/23/07			-	43.41	54.78
	2/27/08			--	43.29	54.90
	12/4/08			--	44.33	53.86
	6/1/09			--	41.06	57.13
	9/28/10			--	42.31	55.88
MW-3	5/30/07	99.02	45-55	45.41	45.45	53.57
	10/23/07			45.62	45.64	53.38
	2/27/08			46.17	46.29	--
	12/4/08			47.53	47.55	FP
	6/1/09			--	46.60	52.42
	9/28/10			--	44.65	54.37
MW-4	5/30/07	102.70	45-60	-	DRY	-
	10/23/07			-	Dry	Dry
	2/27/08			--	Dry	Dry
	12/4/08			DRY	DRY	DRY
	6/1/09			--	DRY	--
	9/28/10			--	48.60	54.10
MW-5	5/30/07	99.90	35-60	-	45.74	54.16
	10/23/07			-	46.40	53.50
	2/27/08			--	47.26	52.64
	12/4/08			--	49.00	50.90
	6/1/09			--	47.92	51.98
	9/28/10			--	45.22	54.68
MW-6	5/30/07	101.45	33-48	-	47.53	53.92
	10/23/07			-	Dry	Dry
MW-6R	2/27/08	101.94	45-65	--	56.98	44.96
	12/4/08			--	59.27	42.67
	6/1/09			--	58.77	43.17
	9/28/10			--	53.69	48.25
MW-7	5/30/07	101.61	35-60	53.39	54.15	47.46
	10/23/07			55.27	57.11	44.50
	2/27/08			57.52	57.63	--
	12/4/08			59.29	59.32	FP
	6/1/09			58.98	59.02	--
	9/28/10			53.83	53.84	FP

TABLE 1 CONT.
Historical Groundwater Data (feet)
Corner Stop #28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	GW Elevation
MW-9	5/30/07	96.71	35-60	-	37.16	59.55
	10/23/07			-	41.84	54.87
	2/27/08			--	41.92	54.79
	12/4/08			--	42.21	54.50
	6/1/09			--	36.70	60.01
	9/28/10			--	39.25	57.46
MW-10	5/30/07	98.24	35-60	-	34.78	63.46
	10/23/07			-	34.95	63.29
	2/27/08			--	35.03	63.21
	12/4/08			--	35.00	63.24
	6/1/09			--	35.85	62.39
	9/28/10			--	34.76	63.48
MW-11	5/30/07	100.53	30-55	49.79	53.11	47.42
	10/23/07			51.60	54.21	46.32
	2/27/08			53.41	54.45	--
	12/4/08			54.73	54.89	FP
	6/1/09			54.73	54.85	--
	9/28/10			--	50.78	49.75
MW-12	5/30/07	97.96	33-48	-	CNL	-
	10/23/07			-	CNL	CNL
	2/27/08			--	CNL	CNL
	12/4/08			DRY	DRY	DRY
MW-12R	6/1/09	99.58	50-70	--	40.62	58.96
	9/28/10			--	40.20	59.38
MW-13	5/30/07	99.96	40-60	-	41.39	58.57
	10/23/07			-	41.28	58.68
	2/27/08			--	41.52	58.44
	12/4/08			--	43.27	56.69
	6/1/09			--	41.75	58.21
	9/28/10			--	40.15	59.81
MW-14	5/30/07	102.92	40-60	-	50.84	52.08
	10/23/07			-	52.62	50.30
	2/27/08			--	54.30	48.62
	12/4/08			--	56.78	46.14
	6/1/09			--	56.31	46.61
	9/28/10			--	51.18	51.74
MW-15	5/30/07	101.50	40-60	-	54.04	47.46
	10/23/07			55.84	55.85	45.65
	2/27/08			57.44	58.19	--
	12/4/08			DRY	DRY	DRY
	6/1/09			--	DRY	--
	9/28/10			54.40	54.42	FP
MW-15R	6/1/09	101.29	50-70	59.86	59.87	--
	9/28/10			54.12	56.80	FP

TABLE 1 CONT.
Historical Groundwater Data (feet)
Corner Stop #28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	GW Elevation
MW-16	5/30/07	98.68	40-60	-	50.71	47.97
	10/23/07			-	52.35	46.33
	2/27/08			--	52.65	46.03
	12/4/08			--	52.59	46.09
	6/1/09			--	50.33	48.35
	9/28/10			--	50.30	48.38
MW-17	10/23/07	99.05	40-60	-	41.72	57.33
	2/27/08			--	41.33	57.72
	12/4/08			--	42.20	56.85
	6/1/09			--	38.80	60.25
	9/28/10			--	38.72	60.33
MW-18	10/23/07	101.23	40-60	-	55.38	45.85
	2/27/08			55.76	55.84	--
	12/4/08			55.87	55.93	FP
	6/1/09			55.77	55.97	--
	9/28/10			54.25	54.26	FP
MW-19	10/23/07	102.19	40-60	-	56.62	45.57
	2/27/08			58.95	58.97	--
	12/4/08			DRY	DRY	DRY
	6/1/09			--	DRY	--
	9/28/10			--	55.08	47.11
MW-19R	6/1/09	102.03	50-70	--	60.48	41.55
	9/28/10			--	55.59	46.44
MW-20	10/23/07	91.47	40-60	-	50.56	40.91
	2/27/08			--	52.52	38.95
	12/4/08			--	55.01	36.46
	6/1/09			--	54.50	36.97
	9/28/10			--	48.98	42.49
MW-21	2/27/08	100.39	45-65	--	58.70	41.69
	12/4/08			--	61.25	39.14
	6/1/09			--	60.60	39.79
	9/28/10			--	54.90	45.49
MW-22	2/27/08	100.39	45-65	--	58.37	42.02
	12/4/08			60.57	61.25	FP
	6/1/09			59.55	60.01	--
	9/28/10			55.35	55.65	FP
MW-23	12/4/08	101.62	45-65	--	59.52	42.10
	6/1/09			--	59.87	41.75
	9/28/10			--	53.93	47.69
MW-24	12/4/08	101.71	45-65	--	61.91	39.80
	6/1/09			--	58.71	43.00
	9/28/10			--	48.75	52.96
MW-25	12/4/08	97.73	45-65	DRY	DRY	DRY
	6/1/09			--	33.76	63.97
	9/28/10			--	32.95	64.78

TABLE 1 CONT.
Historical Groundwater Data (feet)
Corner Stop #28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	GW Elevation
MW-26	12/4/08	100.01	45-65	--	52.96	47.05
	6/1/09			--	52.14	47.87
	9/28/10			--	58.01	42.00
MW-27	12/4/08	94.30	45-65	--	54.22	40.08
	6/1/09			--	53.42	40.88
	9/28/10			--	48.25	46.05
MW-28	12/4/08	87.21	45-65	--	50.32	36.89
	6/1/09			--	48.57	38.64
	9/28/10			--	44.38	42.83
MW-29	6/1/09	96.72	50-70	--	33.10	63.62
	9/28/10			--	33.00	63.72
MW-30	6/1/09	102.10	50-70	--	50.21	51.89
	9/28/10			--	50.22	51.88
MW-31	6/1/09	94.97	50-70	--	37.01	57.96
	9/28/10			--	38.19	56.78
MW-32	6/1/09	86.78	50-70	--	44.40	42.38
	9/28/10			--	43.40	43.38
MW-33	6/1/09	88.98	50-70	52.06	52.37	--
	9/28/10			46.72	47.00	FP
MW-34	6/1/09	90.20	50-70	--	53.79	36.41
	9/28/10			--	48.14	42.06
MW-35	6/1/09	71.30	50-70	--	39.12	32.18
	9/28/10			--	37.70	33.60
MW-36	6/1/09	81.34	50-70	--	50.30	31.04
	9/28/10			--	53.40	27.94
MW-37	6/1/09	67.13	50-70	--	37.96	29.17
	9/28/10			--	43.25	23.88
MW-38	6/1/09	72.76	50-70	--	41.90	30.86
	9/28/10			--	46.58	26.18
MW-39	6/1/09	89.53	50-70	--	47.40	42.13
	9/28/10			--	49.61	39.92
MW-40	6/1/09	91.41	50-70	--	53.87	37.54
	9/28/10			--	57.57	33.84
MW-41	6/1/09	94.23	50-70	--	DRY	--
	9/28/10			--	51.58	42.65
MW-42	6/1/09	100.92	50-70	--	55.38	45.54
	9/28/10			--	60.29	40.63
MW-43	6/1/09	95.52	50-70	--	45.78	49.74
	9/28/10			--	51.51	44.01
MW-44	9/28/10	63.92	30-50	--	43.93	19.99
MW-45	9/28/10	64.00	30-50	--	40.42	23.58
MW-46	9/28/10	55.65	30-50	--	37.76	17.89
MW-47	9/28/10	68.64	30-50	--	41.13	27.51

TABLE 1 CONT.
Historical Groundwater Data (feet)
Corner Stop #28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	GW Elevation
T-1**	5/30/07	100.32	71-81	-	51.91	48.41
	10/23/07			-	53.40	46.92
	2/27/08			--	55.67	44.65
	12/4/08			--	56.82	43.50
	6/1/09			--	57.46	42.86
	9/28/10			--	58.10	42.22
T-2**	10/23/07	91.86	76-81	-	51.04	40.82
	2/27/08			--	52.98	38.88
	12/4/08			--	55.46	36.40
	6/1/09			--	54.93	36.93
	9/28/10			--	49.45	42.41
T-3**	6/1/09	95.68	85-90	--	53.52	42.16
	9/28/10			--	47.19	48.49
T-4**	9/28/10	89.32	76-81	--	43.01	46.31
T-5**	9/28/10	89.31	85-90	--	61.24	28.07

From: "KLM Environmental, Inc." <mkeller131@comcast.net>
To: <brineysm@dhec.sc.gov>
Date: 6/21/2007 9:30 AM
Subject: Corner Stop # 28; Site ID 05659
Attachments: Chain of Custody.pdf

Stephanie,

Attached is the chain of custody for the sampling event. I am sorry we didn't get that in the report. The lab sent it under separate cover for some reason and we didn't catch it not being included.

The well you asked me about being dry, MW-4 , which was supposed to be a 60 deep well was tagged at 53 feet deep and was dry. Just wanted to clarify that.

If you have any questions or need anything please give me a call.

Thanks!

Mark L. Keller, PG

President

KLM Environmental, Inc.

PO Box 2704

Goose Creek, SC 29445

Phone: 843-870-4285

Fax: 843-797-1893

UST PROGRAM
DOCKETING # 1a

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1068823

Section A Required Client Information:

Company: KLM Enviromental
Address: PO Box 2704
Goose Creek SC 29445
Email To: Mkeller131@comcast.net
Phone: 843 870 4285 Fax: 843 797 1893
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Mark Keller
Copy To:
Purchase Order No.:
Project Name: Corner Stop 28
Project Number: 05094

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: BKM
Pace Profile #: 4743-1

REGULATORY AGENCY: ☐ NPDES ☒ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: SC

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW WT
WATER	WW P
WASTE WATER	SL
PRODUCT	OL
SOIL/SOLID	WP
OIL	AR
WIPE	OT
AIR	TS
OTHER	
TISSUE	

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)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): BTEX Nap MTBE	EDB	Lead	8 Oxygenates	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92145683
1	MW-2	WW	G	5/30/07	1240			7										X	X	X	X		928456839
2	MW-5				1210			7										X	X	X	X		6904
3	MW-6				1230			3										X					6961
4	MW-9				1250			7										X	X	X	X		6979
5	MW-10				1300			7										X	X	X	X		6987
6	MW-13				1045			7										X	X	X	X		6995
7	MW-14				1100			7										X	X	X	X		7001
8	MW-15				1200			7										X	X	X	X		7019
9	MW-16				1130			7										X	X	X	X		7027
10	T-1	X	X		1400			7										X	X	X	X		7035
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
				B. Fleau	6/1/07	915	102	Y	N	Y
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Micah Bennett & Jason Boots
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 5/31/07

ORIGINAL

*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.

D H E C
PROMOTE PROTECT PROSPER
C. Earl Hunter, Commissioner
Promoting and protecting the health of the public and the environment.

JUL 12 2007

MS MAUREEN JACKSON
WORSLEY COMPANIES INC
PO BOX 3227
WILMINGTON NC 28406-0227

Re: Assessment Directive
Corner Stop 28 (Former Fast Point 17), 717 North Greenwood Ave., Ware Shoals, SC
UST Permit #05659; CA# 29926; MWA#UMW-20877
Release reported December 30, 1991
Assessment Report received June 18, 2007
Greenwood County

Dear Ms. Jackson:

The Underground Storage Tank (UST) Program of the South Carolina Department of Health and Environmental Control (SCDHEC) recognizes your commitment to continue work at this site utilizing KLM Environmental, LLC. The report shows that the vertical extent of the contamination remains undefined. Therefore, the Program requests that five additional monitoring wells be installed. One shallow monitoring well and one telescoping monitoring well are suggested to be installed southwest of monitoring well MW-15. Install two shallow wells southeast of monitoring well MW-7. Install one shallow monitoring well southeast of monitoring well MW-1. Please see the enclosed map for proposed well locations. Please have your contractor conduct one eight-hour Aggressive Fluid Vapor Recovery (AFVR) event on monitoring well MW-11. **Please note that groundwater sampling is to take place at least 30 days after the AFVR event**. All monitoring wells should be sampled and analyzed for BTEX+naphthalene+MTBE, EDB and lead.

Cost Agreement # 29926 has been approved in the amount shown on the enclosed cost agreement form for the sampling, well installation, and the AFVR event. If the well screen does not bracket the water table or the well was newly installed, the monitoring well should be purged prior to obtaining samples. Please have your contractor submit the sampling results to the Program in a monitoring report containing the following:

- A narrative portion documenting current site conditions and noting the names of field personnel, date, time, ambient air temperature, and general weather conditions during the sampling event. The report shall also contain well purging data, pH, specific conductivity, water temperature, PID readings (where applicable) and turbidity comments.
- Groundwater elevations, depth to groundwater, measurable free product thickness (where applicable), total well depth and screened interval for all monitoring wells associated with the site, unless otherwise directed by the Program, shall be presented in tabular form. Groundwater laboratory analytical data for all monitoring wells for this and all previous sampling events shall be presented in tabular format.
- A groundwater elevation contour map of the site based on current groundwater potentiometric data.
- A CoC map based on current groundwater laboratory analytical data. The groundwater data should be adjacent to the relevant monitoring well.
- Manifests for any contaminated soil and/or groundwater removed from the site for treatment and/or disposal.
- Signature and seal by a professional geologist or engineer registered in the State of South Carolina.
- Boring logs and signed 1903 forms.
- A narrative portion documenting the AFVR event noting site conditions, the name of the AFVR contractor, field personnel, date, time the AFVR event started and ended, ambient air temperature, general weather conditions during the AFVR event, and the estimated amount in gallons of the petroleum products removed as a liquid or vapor for the event. **Wells containing free phase product should be gauged at the beginning and end of the AFVR event**. Disposal manifests for the AFVR event should be included as part of the final report.

PROGRAM
TRACKING # 2

KLM Environmental, LLC. can submit an invoice for direct billing from the State Underground Petroleum Environmental Response Bank (SUPERB) Account. Please note that all applicable South Carolina certification requirements apply to the laboratory services, well installation, and report preparation. All site rehabilitation activities must be performed and submitted by a South Carolina Certified Underground Storage Tank Site Rehabilitation Contractor.

An Assessment Report and invoice are due within **90 days** from the date of this letter. An interim well drilling invoice may be submitted for this scope of work. If the invoice and completed report are 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 Program is obtained. If for any reason additional tasks will be completed, these additional tasks and the associated cost must be preapproved by the Program for the cost to be paid. 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. Further, SCDHEC reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

The Department 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 COC concentrations, based on laboratory analysis, are 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 concerning this site, please reference UST Permit #05659 and CA #29926. If there are any questions concerning this project, please contact me at (803) 896-6323. I can also be reached by email at brineysm@dhec.sc.gov or by fax at (803) 896-6245.

Sincerely,

Stephanie Briney

Stephanie Briney, Hydrogeologist
Assessment Section
Assessment and Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

enc: Approved Cost Agreement
Monitoring Well Approval
Site Map

cc: Technical File (w/enc)
KLM Environmental LLC., 137 Evergreen Magnolia Ave., Goose Creek, SC 29445 (w/enc)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

Monitoring Well Installation Approval Form

Approval is hereby granted to:	KLM Environmental, LLC.
(On behalf of):	Worsley Companies, Inc.
UST Permit #:	05659
Address:	717 N. Greenwood Ave., Ware Shoals, SC
County:	Greenwood

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

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

1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.

2. All monitoring wells shall be labeled as required by R.61-71.H.2.c.

3. A Water Well Record Form or other form provided or approved by the Department shall be completed and submitted to the Department within 30 days after well completion or abandonment unless another schedule has been approved by the Department. 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 Department within 30 days of receipt of laboratory results unless another schedule has been approved by the Department as required by R.61-71.H.1.d.

5. If any of the information provided to the Department changes, notification to Stephanie Briney the project manager (tel: (803) 896-6323 or e-mail: brineysm@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.

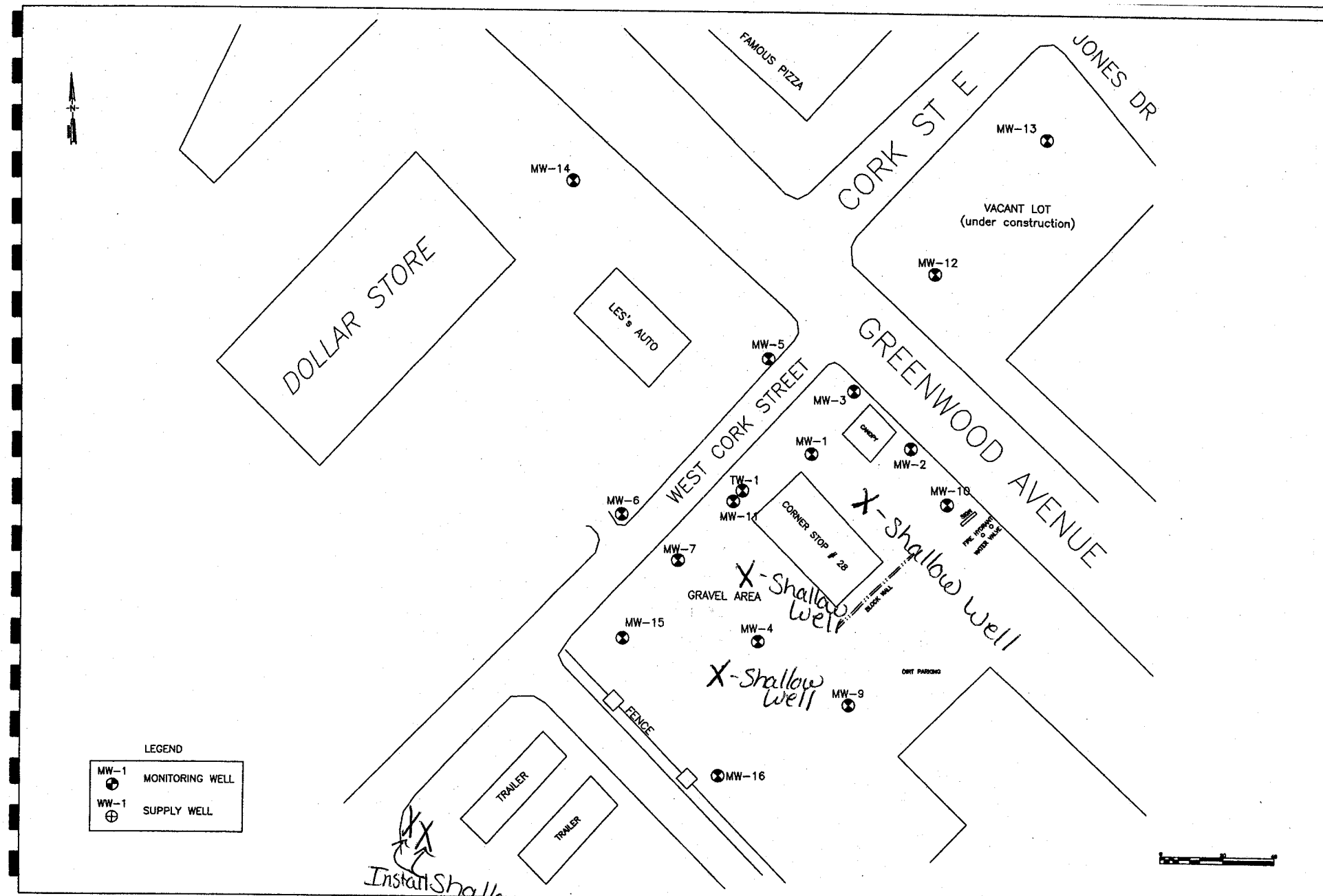
7. Departmental approval is required prior to abandonment of all monitoring wells as required by R.61-71.H.1.a.

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

Date of Issuance: **June 20, 2007** **Approval #:** **UMW-20877**

Stephanie Briney

Stephanie Briney, Hydrogeologist
Assessment Section
Division of Assessment and Corrective Action
Underground Storage Tank Program
Bureau of Land and Waste Management



KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

FIGURE 2
SITE MAP
CORNER STOP 28 (FORMER FAST POINT)
WARE SHOALS SC SITE # 05659

Approved Cost Agreement 29926

Facility: 05659 CORNER STOP 28
BRINEYSM
PO Number:

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
04 MOB/DEMOB						
		A	EQUIPMENT	1.0000	550.00	550.00
		B	PERSONNEL	5.0000	275.00	1,375.00
09 WELL INSTALLATION						
		C	TELESCOPING	81.0000	58.00	4,698.00
		D	ROCK DRILLING	240.0000	58.00	13,920.00
10 SAMPLE COLLECTION						
		A	GROUND WATER	6.0000	55.00	330.00
		D	GROUNDWATER NO-PURGE	15.0000	35.00	525.00
11 ANALYSES						
	GW GROUNDWATER	A	BTEX+NAPTH+MTBE	21.0000	100.00	2,100.00
		E	LEAD	21.0000	20.00	420.00
		F	EDB	21.0000	55.00	1,155.00
16 SUBSEQUENT SURVEY						
			SUBSEQUENT SURVEY	1.0000	260.00	260.00
17 DISPOSAL						
		A1	WASTEWATER - PURGING/SAMPLING	5.0000	90.00	450.00
		A2	WASTEWATER - PUMPING TEST	1,000.0000	0.60	600.00
		C	SOIL (TREATMENT/DISPOSAL)	8.0000	50.00	400.00
19 RPT/PROJECT MNGT & COORDINATIO						
		PCT	PERCENT	0.1500	29,783.00	4,467.45
23 EFR						
		A	8 HOUR EVENT	1.0000	3,000.00	3,000.00
					Total Amount	34,250.45

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

WORSLEY OPERATING COMPANY
MS MAUREEN JACKSON
PO BOX 3227
WILMINGTON NC 28409-3227

NOV 04 2010

20 each
UST
DOCKET

Re: Tier II Plan Directive
Corner Stop 28, 717 Greenwood Ave, Ware Shoals, SC
UST Permit #05659
Release reported December 30, 1991
Assessment Report Received October 28, 2010
Greenwood County

Dear Ms. Jackson:

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Health and Environmental Control (SCDHEC) reviewed the referenced report. The report indicates presence of chemicals of concern in the groundwater. The UST Management Division agrees with your site rehabilitation contractor that additional screening is required around this facility in order to define the extent of the plume.

To determine what risk the referenced release may pose to the environment and public health, and in accordance with Section 280.65 of the South Carolina Underground Storage Tank Control Regulations, implementation of the scope of work as outlined in the Tier II Assessment Guidance Document is necessary. The Tier II Assessment Guidance Document and Tier II Assessment forms are available online at http://www.scdhec.gov/eqc/admin/html/..%5C..%5Cust%5Cpubs%5Ctier2.pdf and http://webserver03.dhec.sc.gov/iieforms/d3527.pdf respectively. According to R.61-98 Section IV.C.1 all plans, reports, invoices, and other documents relating to site rehabilitation activities which have been prepared or approved by a certified contractor shall be signed by the certified contractor and bear his certification number.

Please have your contractor complete and submit the Assessment Component Cost Agreement and Assessment Plan Forms within fifteen (15) days of the date of this letter. Every component may not be necessary to complete the above scope of work. The State Underground Petroleum Environmental Response Bank (SUPERB) Account allowable cost for each component is included on the Assessment Component Cost Agreement Form. **Please note that approval from the Department must be issued before work begins.**

On all correspondence regarding this site, please reference UST Permit number 05659. Should you have any questions regarding this correspondence, please feel free to contact me at (803) 896-6629, fax me at (803) 896-6245, or e-mail me at mccormat@dhec.sc.gov.

Sincerely,

Andrew McCormick, Hydrogeologist
Assessment Section
UST Management Division
Bureau of Land and Waste Management

cc: KLM Environmental LLC, PO Box 2704, Goose Creek, SC 29445
Technical File

KLM Environmental, LLC

Phase I Phase II Underground Storage Tanks Soil & Water Sampling Well Installation
PO Box 2704
Goose Creek, SC 29445
843-870-4285 Phone
843-797-1893 Fax

UST
NOV 15 2010
PROGRAM

November 9, 2010

Mr. Andrew McCormick
SCDHEC-BUSTM
2600 Bull Street
Columbia, SC 29201

Re: Corner Stop # 28, Site ID # 05659

Mr. McCormick,

Enclosed is the Assessment Plan for the Corner Stop 28, Site ID # 05659. The area needing assessment is extremely difficult to access as there is a large drop off topographically in this area. We have provided information regarding this area on Figure 2 along with an aerial map showing the wooded area on Figure 3. Figure 1, the USGS topographic map depicts the area we are referring to in the figures. An adverse terrain drill rig with rock drilling capabilities will need to be utilized to perform any well installation activities in this area. The area is also wooded which will require the use of a bulldozer to clear the areas needed for well installation. The property owner must also agree to allow access to this property and agree to the clearing activities prior to commencing the assessment. This property owner has cooperated during past events but has been reluctant and has caused delays of the drilling company and KLM personnel by not allowing access, granting access, and so on until finally agreeing to allow the assessment to continue. I would like you to be aware of this obstacles going in to the project.

If you have any questions, please contact me directly at 843-870-4285.

Sincerely,

KLM Environmental, LLC

Mark L. Keller, PG
President

Filed
UST
DOCKET

D H E C

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Tier II Assessment Plan
Underground Storage Tank Program

UST Permit #: 05659 County: Greenwood Facility Name: Corner Stop # 28

Facility Address: 717 N. Greenwood Ave. City: Ware Shoals State: South Carolina Zipcode: 29692

Responsible Party: Worsley Operating Company Address: PO Box 3227

City: Wilmington State: North Carolina Zipcode: 28409

No. USTs: 5 Removed? 10/25/2001 (date: MM/DD/YYYY) Replaced? 10/25/2001 (date: MM/DD/YYYY)

Current use of facility/property:

Currently used as an in service gas station. Only two tanks are in service at the site currently. Three tanks were removed on 10/25/2001.

Current property owner name: Fast Point Food Stores, Inc. Address: 2811 Reidville Road, Suite 11

City: Spartanburg State: South Carolina Zipcode: 29301

Field Screening Methodology

Specify the field screening methodology to be used. The use of field screening methods to optimize the number and location of permanent wells is required.

Field screening will not be conducted as the site requires rock drilling to install the monitoring points.

Permanent Monitoring Wells (estimate number and total completed depth)

# of shallow wells: 5 Total depth: 250

# of deep wells: Total depth:

Comments, if warranted:

Due to the extreme topographic drop in the area needed to be assessed, combined with the area being wooded, an adverse terrain drill rig with rock drilling capabilities will need to be utilized. Further, since the area is wooded, a bull dozer will also be required in order to clear a path for the adverse terrain drill rig. Permission must also be obtained from the property owner to allow clearing as well as well installation. An additional equipment mobilization is being requested to accommodate the use of a bull dozer for clearing

Analyses

List the analytical parameters (e.g., BTEX, MTBE) and estimated number.

BTEX, Naph, MTBE	51
EDB	51
1,2 DCA	51
Filtered Lead	51

Implementation Schedule ***(Use MM/DD/YYYY format - Example 01/23/2004)***

Start up date: *(MM/DD/YYYY)* Completion date: *(MM/DD/YYYY)*

Report submittal date: *(MM/DD/YYYY)*

UST Permit #: 05659 Facility Name: Corner Stop # 28

Site Maps

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	Legend with facility name and address, UST Permit number, date, and a bar scale
Location of property lines	Streets or highways (indicate names and numbers)
Location of buildings	Identification of located buildings
Paved areas on or adjacent to site	Location of all present and former ASTs and USTs
Previous soil sampling locations	Underground and above ground utilities on or adjacent to site
Previous monitoring well locations	Location of any other potential receptor

Aquifer Characterization

Pump test: ☐ Slug tests: ☑ (check one and provide explanation for choice)

Small Volume Disposal Type and Method

Soil:

American Biomass in Walterboro, SC. Additional personnel mobilizations will be needed due to the large amount of drums that will be generated.

Purge water:

U.S. Water

Additional comments:

Due to the extreme topographic drop in the area needed to be assessed, combined with the area being wooded, an adverse terrain drill rig with rock drilling capabilities will need to be utilized. Further, since the area is wooded, a bull dozer will also be required in order to clear a path for the adverse terrain drill rig. Permission must also be obtained from the property owner to allow clearing as well as well installation. An additional equipment mobilization is being requested to accommodate the use of a bull dozer for clearing.

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2600 Bull Street
Columbia, SC 29201-1708

Assessment Plan

SOUTH CAROLINA

Department of Health and Environmental Control (DHEC)

Bureau of Underground Storage Tank Management

Facility Name: **Corner Stop # 28**

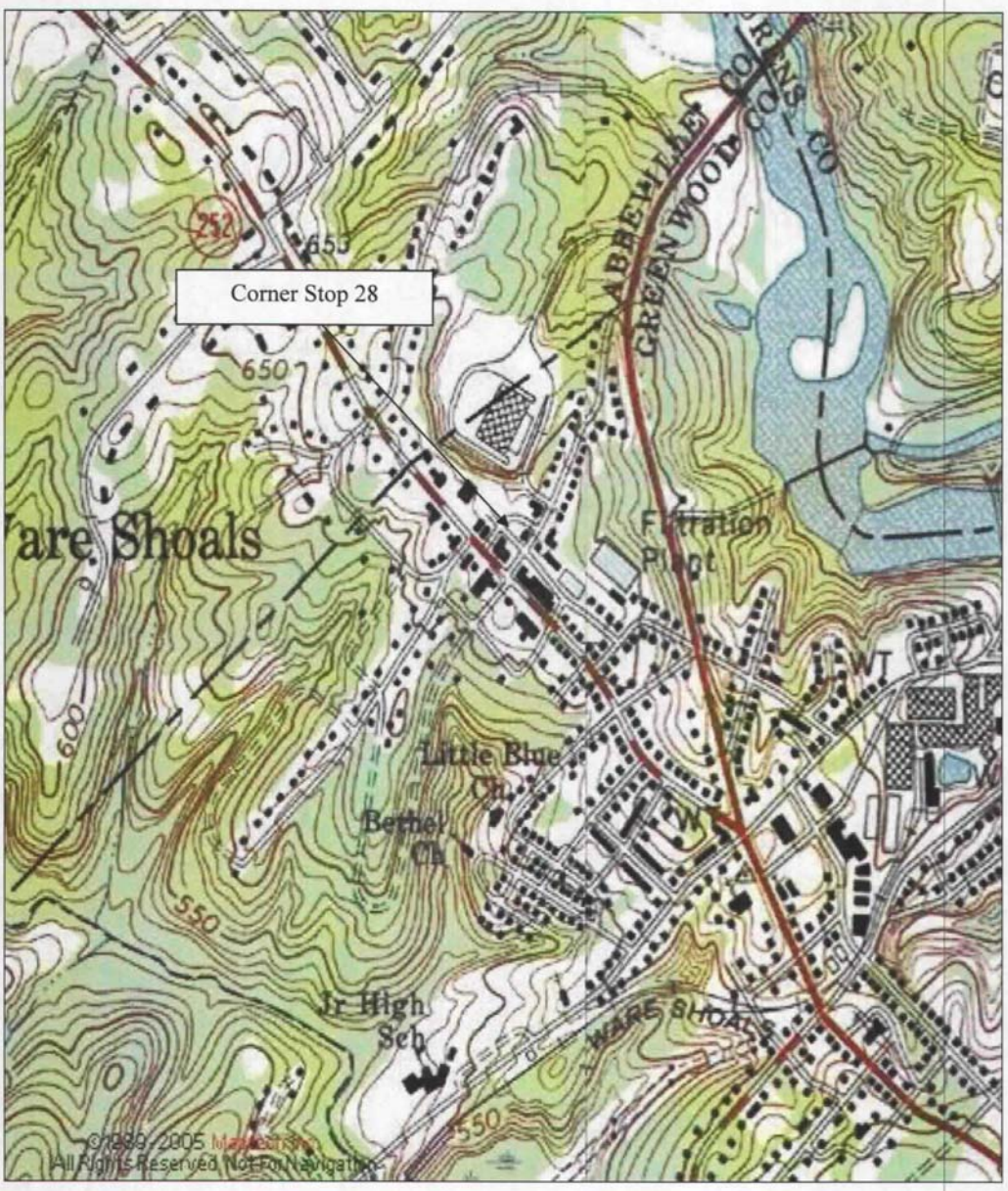
UST Permit#: **05659** Cost Agreement #

		QTY	UNIT	UNIT PRICE	TOTAL
1	Plan*		x	100.00	-
	B. Tax Maps		x	50.00	-
2	Receptor Survey*		x	500.00	-
3	Comprehensive Survey		x	1,000.00	-
4	Mob/Demob (List component #)				
	A. Equipment (9,18)	2	x	575.00	1,150.00
	B. Personnel (9,10,17)	3	x	290.00	870.00
	C. Adverse Terrain Vehicle		x	575.00	-
5	Soil Borings (hand auger)*		feet x	14.00	-
6	Soil Borings (drilled) and Field Screening* (Includes collection and quantification)		feet x	17.00	-
	B. Alternative, on-site		feet x	12.50	-
	C. Fractured Rock		feet x	27.50	-
7	Soil Leachability Model		each x	200.00	-
8	Abandonment*		feet x	5.00	-
9	Well Installation * (includes drilling costs)				
	A. Water Table (hand auger)		feet x	20.00	-
	B. Water Table (drilled)		feet x	38.00	-
	C. Telescoping		feet x	58.00	-
	D. Rock Drilling	250	feet x	58.00	14,500.00
	E. 2" Rock Coring		feet x	44.10	-
	F. 4" Rock Coring		feet x	50.40	-
	G. Multi sampling port/screen		each x	47.20	-
10	Sample Collection*				
	A. Ground-water	10	samples x	55.00	550.00
	B. Air/Vapor		samples x	90.00	-
	C. Water Supply		samples x	25.00	-
	D. Groundwater No Purge	41	samples x	35.00	1,435.00
	E. Gauge Well Only	7	per well x	20.00	140.00
	F. Sample Below Product		samples x	50.00	-
	G. Passive Diffusion Bag		each x	40.00	-
11	Analyses-Groundwater (See Analytical Methodology for analyses)				
	A. BTEX + Napth. + MTBE	51	samples x	100.00	5,100.00
	B. Rush BTEX Analysis		samples x	120.00	-
	D. PAH's		samples x	120.00	-
	E. Lead		samples x	20.00	-
	F. EDB	51	samples x	55.00	2,805.00
	G. 8 RCRA Metals		samples x	140.00	-
	H. TPH (9070)		samples x	55.00	-
	J. BOD		samples x	40.00	-
	K. Nitrate		samples x	20.00	-
	L. Sulfate		samples x	20.00	-
	M. Ferrous Iron		samples x	20.00	-
	N. Methane		samples x	110.00	-
	O. Organic Lead		samples x	100.00	-
	P. 8 Oxygenates		samples x	85.00	-
	AA. Filtered Lead	51	samples x	46.00	2,346.00
	BB. 1,2-DCA	51	samples x	10.75	548.25

UST Facility Name **Corner Stop # 28**
UST Permit# **05659** Cost Agreement # **00000**

		QTY	UNIT	UNIT PRICE	TOTAL
11	Analyses-Soil				
	Q. BTEX + Napth.		samples x	100.00	-
	R. PAH's		samples x	120.00	-
	S. 8 RCRA Metals		samples x	150.00	-
	T. TPH (9071)		samples x	60.00	-
	U. TPH (3550B/8015B)		samples x	65.00	-
	V. TPH (5030/8015B)		samples x	65.00	-
	W. Grain size/hydrometer		samples x	75.00	-
	X. Total Organic Carbon		samples x	35.00	-
11	Analyses-Air				
	Y. BTEX + Napth.		samples x	247.50	-
	Z. Hydrocarbon Fuel Identification		samples x	620.00	-
12	Aquifer Characterization*				
	A. Pumping Test		hours x	120.00	-
	B. Slug Test		tests x	150.00	-
13	Free Product Recovery Rate Test*		tests x	120.00	-
14	Fate/Transport Modeling				
	A. Mathematical Model		models x	300.00	-
	B. Computer Model		models x	500.00	-
15	Risk Evaluation				
	A. Tier I		x	300.00	-
	B. Tier II		x	500.00	-
16	Subsequent Survey*	1	x	260.00	260.00
17	Disposal				
	A. Wastewater				
	1. Purging/Sampling		drums x	90.00	-
	2. Pumping Test/EFR	200	gallons x	0.60	120.00
	B. Free Product		drums x	110.00	-
	C. Soil (Treatment/Disposal)	20	drum/ton x	50.00	1,000.00
18	Miscellaneous (attach receipts)		x		-
	Bulldozer Mobilization for Land		x		-
	Clearing.		x		-
23	EFR				
	A. 8-hour Event*		each x	3,000.00	-
	B. Additional Hour		per hour x	204.00	-
	C. Off-gas treatment		per hour x	35.00	-
24	Granulated Activated Carbor (GAC) filter system installation & service:				
	A. New GAC System Installation*		each x	2,500.00	-
	B. Refurbished GAC Sys. Install*		each x	850.00	-
	C. Filter replacement/removal*		each x	450.00	-
	D. GAC System removal,cleaning		each x	450.00	-
	E. GAC System housing		each x	450.00	-
	F. In-line particulate filter		each x	140.00	-
	G. Additional piping & fittings		feet x	4.00	-
25	Well Repair				
	A. Additional Copies of Report		each x	25.00	-
	B. Repair 2x2 MW Pad		each x	100.00	-
	C. Repair 4x4 MW Pad		each x	150.00	-
	D. Repair Well Vault		each x	225.00	-
	E. Replace well cover & gasket		each x	30.00	-
	F. Replace well cover bolts		each x	10.00	-
	G. Replace locking well cap & lock		each x	15.00	-
				sub-total	1,380.00
19	Report/Project Management and			**Sub-Total**	**$30,824.25**
	Coordination (Subtotal x .15)		x	0.15	4,623.64
20	**Total**				**$35,447.89**

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



KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

Figure 1
USGS Map
Corner Stop 28
Ware Shoals, SC
Project # 05094.5

FIGURE 2
SITE MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

KLM Environmental, LLC
Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

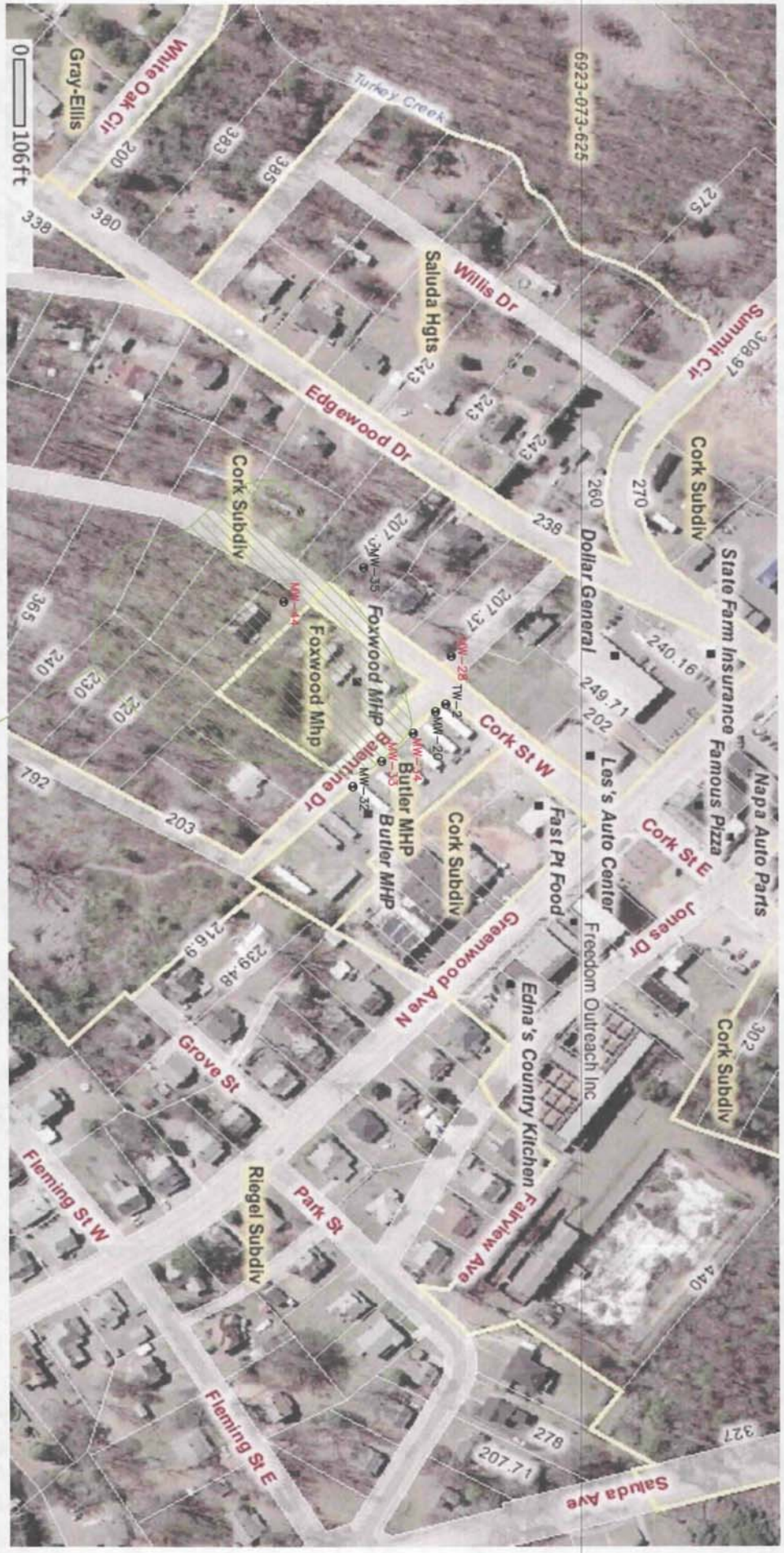


FIGURE 3
AERIAL MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

KLM Environmental, LLC
Phase I· Phase II· Underground Storage Tanks· Soil & Water Sampling· Well Installation

D H E C

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C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

DEC 13 2010

UST DOCKET 22 Tech

WORSLEY COMPANY
MS MAUREEN JACKSON
PO BOX 3227
WILMINGTON NC 28409-3227

Re: Assessment Report Directive
Corner Stop 28, 717 Greenwood Ave, Ware Shoals, SC
UST Permit #05659; Cost Agreement #40552: MWA #UMW-23983
Release reported December 30, 1991
Tier II Plan received January 15, 2009
Tier II Report received June 22, 2009
Tier II Assessment Plan and Associated Cost Agreement received November 15, 2010
Greenwood County

Dear Ms. Jackson:

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Health and Environmental Control (SCDHEC) has reviewed the referenced plan submitted on your behalf by KLM Environmental LLC. The Tier II Report indicated that petroleum Chemicals of Concern (CoC) are present in the soil and at concentrations that exceed risk-based screening levels. The assessment should be conducted in accordance with the Tier II Assessment guidance document and must be conducted in compliance with all applicable regulations. The Tier II assessment document and appendices may be obtained from our website at http://www.scdhec.gov/environment/lwm/html/ust_guidance_docs.htm. **The assessment should be conducted in accordance with the Tier II Assessment guidance document and must be conducted in compliance with all applicable regulations.**

Assessment activities at the site should begin immediately upon receipt of this letter. Cost agreement number 40552 has been approved for the amount shown on the enclosed cost agreement form for installation of up to five shallow monitoring wells plus sampling the newly installed monitoring wells to define the horizontal and vertical extent of dissolved CoC, and gauging all existing wells. Please be aware that the February 1, 2006 State Underground Petroleum Environmental Response Bank (SUPERB) Allowable Costs sheet states that "If vertical and horizontal extent of chemicals of concern are not fully defined by this tier report, additional mobilizations may not be approved by the Department." Therefore, no additional mobilizations have been approved. Screening points that are converted to a permanent monitoring well will be reimbursed at the approved well installation rate. **Please contact the department prior to well installation for concurrence regarding the final well locations. All shallow wells are to be installed with screen intervals that bracket the water table.** Shallow wells should have a 10-foot screen. **The SUPERB Account cannot reimburse costs for any shallow well with a screen that does not properly bracket the water table.**

A groundwater sample from any private wells within 1,000 feet of the facility should be collected and analyzed for BTEX, naphthalene and MtBE. Groundwater samples from all new monitoring wells should be collected and analyzed for BTEX, naphthalene, MtBE, lead, 1,2-DCA, EDB and 8 oxygenates. Analyses should be in accordance with *Analytical Methodology for Groundwater and Soil Assessment Guidelines* dated August 24, 2005. A copy of this publication is available on line at http://www.scdhec.gov/eqc5Canalmet.pdf.

The Assessment Report and invoice are due within 90 days from the date of this letter. The report (a signed .pdf copy on CD is preferred) submitted at the completion of these activities should include information outlined in the Tier II Guidance document to include the following:

- Geological cross sections that include the shallow and deep monitoring wells.
- Boring logs and well logs (DHEC form 1903) signed by a well driller licensed in the state of South Carolina for each new temporary or permanent monitoring well **in accordance with the South Carolina Well Standards, R.61-71**. 1903 forms are required for field screening borings (whether direct push or drilled) where a sample is extracted for analysis.
- A CoC map based on current groundwater laboratory analytical data. The groundwater data should be adjacent to the relevant monitoring well location.
- Groundwater elevations, depth to groundwater, measurable free product thickness (where applicable), total well depth and screened interval for all monitoring wells associated with the site, unless otherwise directed by the Division, shall be presented in tabular form. Historical groundwater laboratory analytical data and depth to groundwater, and product if applicable, for this and all previous monitoring events for all monitoring wells shall be presented in tabular format.
- A groundwater elevation contour map of the site based on current groundwater potentiometric data. A second contour map will be necessary if three or more deep wells are installed.
- Manifests for any contaminated soil and/or groundwater removed from the site for treatment and/or disposal.
- Signature and seal by a professional geologist or engineer registered in the State of South Carolina.
- The DHEC site rehabilitation contractor certification number must be included with the signatures as part of the report.

Cost agreement number 40552 has been approved for the amount shown on the enclosed cost agreement. Please note the following changes to the submitted cost agreement:

- 1. Plan A. Plan Preparation—has been increased from zero to 1.
- 3. Comprehensive Survey—has been increased from zero to 1.
- 4. Mob/Demob A. Equipment—has been decreased from 3 to zero.
- 4. Mob/Demob B. Personnel—has been decreased from 5 to zero.
- 4. Mob/Demob C. Adverse Terrain Vehical—has been increased from zero to 1.
- 10. Groundwater Sample Collection A. Groundwater—has been decreased from 10 to 5.
- 10. Groundwater Sample Collection D. Groundwater No Purge—has been decreased from 41 to zero.
- 10. Grounwater Sample Collection E. Gauge Well Only—has been increased from 7 to 54.
- 11. Analyses-Groundwater A. BTEX+Naphth+MtBE—has been decreased from 51 to 5.
- 11. Analyses-Groundwater F. EDB—has been decreased from 51 to 5.
- 11. Analyses-Groundwater P. 8 Oxygenates—has been increased from zero to 5.
- 11. Analyses-Groundwater AA. Filtered Lead—has been decreased from 51 to 5.
- 11. Analyses-Groundwater BB. 1,2-DCA—has been decreased from 51 to 5.
- 16. Subsequent Survey—has been decreased from 1 to zero.
- 17. Disposal A. Wastewater 2. Pumping Test/EFR—has been decreased from 200 to 100.
- 17. Disposal C. Soil (Treatment/Disposal)—has been decreased from 20 to 10 tons.

KLM Environmental LLC can submit an invoice for direct payment from SUPERB Account for preapproved costs. An interim well drilling invoice may be submitted for this scope of work. By law, the SUPERB Account cannot compensate any costs that are not pre-approved. Please note that applicable South Carolina certification requirements regarding laboratory services, well installation, and report

preparation must be satisfied. According to R.61-98 Section IV.C.1 all plans, reports, invoices, and other documents relating to site rehabilitation activities which have been prepared or approved by a certified contractor shall be signed by the certified contractor and bear his certification number. 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. The UST Management Division, because of unnecessary dilution, cannot make decisions if the reporting limit of individual petroleum CoC exceeds Risk-Based Screening Levels (RBSLs). Note that the Division may deny payment for any non-detect analysis where the reporting limit exceeds the RBSL.

The UST Management Division encourages the use of 'J' values as necessary so the appropriate action can be determined for a release. Beginning in 2009, the UST Management Division will begin requiring that laboratories be certified through the SCDHEC Office of Environmental Laboratory Certification for the oxygenate compounds.

Please note that you and/or your contractor are responsible for obtaining all off-site access agreements and/or encroachment permits necessary for this scope of work.

The Department 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 CoC concentrations based on laboratory analysis are below RBSLs, please contact the project manager for approval to dispose of soil and/or groundwater on site. The SUPERB Account will not reimburse for transportation or treatment of soil and/or groundwater with concentrations below RBSLs.

On all correspondence regarding this site, please reference UST Permit number 05659. Should you have any questions regarding this correspondence, please feel free to contact me at (803) 896-6629, fax me at (803) 896-6245, or e-mail me at mccormat@dhec.sc.gov.

Sincerely,

Andrew McCormick, Hydrogeologist
Assessment Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

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

cc: Lucky Strike Amusements LLC, 1252 Overbrook Dr, Ste 7, Gaffney, SC 29341 (without enc)
KLM Environmental LLC, PO Box 2704, Goose Creek, SC 29445 (with enc)
Technical file (with enc)

Approved Cost Agreement 40552

Facility: 05659 CORNER STOP 28
MCCORMAT
PO Number:

Task / Description	Categories	Item Description	Qty / Pct	Unit Price	Amount
01 PLAN					
		A PLAN PREPARATION	1.0000	100.00	100.00
03 COMPREHENSIVE SURVEY					
		COMPREHENSIVE SURVEY	1.0000	1,000.00	1,000.00
04 MOB/DEMOB					
		C ADVERSE TERRAIN VEHICLE	1.0000	575.00	575.00
09 WELL INSTALLATION					
		D ROCK DRILLING	250.0000	58.00	14,500.00
10 SAMPLE COLLECTION					
		A GROUND WATER	5.0000	55.00	275.00
		E GAUGE WELL ONLY	54.0000	20.00	1,080.00
11 ANALYSES					
	GW GROUNDWATER	A BTEX+NAPTH+MTBE	5.0000	100.00	500.00
		AA FILTERED LEAD	5.0000	46.00	230.00
		BB 1,2-DCA	5.0000	10.75	53.75
		F EDB	5.0000	55.00	275.00
		P 8 OXYGENATES	5.0000	85.00	425.00
16 SUBSEQUENT SURVEY					
		SUBSEQUENT SURVEY	1.0000	260.00	260.00
17 DISPOSAL					
		A2 WASTEWATER - PUMPING TEST	100.0000	0.60	60.00
		C SOIL (TREATMENT/DISPOSAL)	10.0000	50.00	500.00
19 RPT/PROJECT MNGT & COORDINATIO					
		PCT PERCENT	0.1500	19,833.75	2,975.06
			Total Amount		22,808.81

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

Monitoring Well Approval

Approval is hereby granted to:	KLM Environmental LLC
(On behalf of):	Worsley Company
Facility:	Corner Stop 28, 717 North Greenwood Ave, Ware Shoals, SC
UST Permit Number:	05659
County:	Greenwood

This approval is for the installation of five shallow groundwater monitoring wells. The monitoring wells are to be installed in the approved locations. The 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 Department shall be completed and submitted to the Department within 30 days after well completion or abandonment unless another schedule has been approved by the Department. 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 Department within 30 days of receipt of laboratory results unless another schedule has been approved by the Department as required by R.61-71.H.1.d.

5. If any of the information provided to the Department changes, notification to Andrew McCormick (tel: (803) 896-6629 or e-mail: mccormat@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. Departmental approval is required prior to abandonment of all monitoring wells as required by R.61-71.H.1.a.

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

Date of Issuance: **November 16, 2010** **Approval #:** **UMW-23983**

Andrew McCormick, Hydrogeologist
Assessment Section
Division of Assessment and Corrective Action
Bureau of Land and Waste Management

05659

SIGNATURE PAGE

This report entitled "**ASSESSMENT REPORT" for Corner Stop 28** has been prepared at the request of and for the exclusive use of the South Carolina Department of Health and Environmental Control. It has been prepared and reviewed by the undersigned.

Prepared By:

J. Micah Bennett
Hydrogeologist
KLM Environmental, LLC

Reviewed By:

UST
APR 12 2011
PROGRAM

Mark L. Keller, PG
President
KLM Environmental, LLC

4/11/11
Date

23tech
UST
DOCKET

MARK L. KELLER
REGISTERED
No. 2311
4/11/11
SOUTH CAROLINA
PROFESSIONAL GEOLOGIST

TABLE OF CONTENTS

SECTION	DESCRIPTION	PAGE
1.0	INTRODUCTION	1
2.0	SITE DESCRIPTION	2
3.0	GROUNDWATER QUALITY	5
4.0	CONCLUSIONS	13
5.0	REFERENCES	14

LIST OF FIGURES

DESCRIPTION	FIGURE
GENERAL SITE LOCATION	1
SITE MAP	2
PIEZOMETRIC MAP	3
COC MAP	4
CROSS SECTION MAP	5
A-A' CROSS SECTION MAP	6
B-B' CROSS SECTION MAP	7

LIST OF APPENDICES

DESCRIPTION	APPENDIX
FIGURES	A
WELL CONSTRUCTION LOGS	B
LABORATORY DATA	C
DISPOSAL MANIFEST	D
HISTORICAL GROUNDWATER ELEVATIONS	E

LIST OF TABLES

DESCRIPTION	TABLE
GROUNDWATER ELEVATION DATA	1
SUMMARY OF ANALYTICAL DATA	2
OXYGENATE DATA	3
SUMMARY OF AUXILARY DATA	4

1.0 INTRODUCTION

The Corner Stop 28 site is located at 717 North Greenwood Ave. in Ware Shoals, South Carolina. A general site location map is provided as Figure 1 in Appendix A. Numerous assessment and sampling events have occurred at the site since the release was reported on December 31st, 1991. Due to the presence of rock in the subsurface, probing can not be utilized at this site to collect real time data for contaminant delineation. Well installations must be performed and sampled to determine the extent which can be a multi step process. This report serves to provide the results from the recently requested well installation, limited sampling, and full gauging event.

2.0 SITE DESCRIPTION

Currently, there are fifty-four shallow wells and five telescoping wells located at the site. Figure 2 serves as a site map showing well locations. On February 22nd and 23rd, 2011 Cypress Bay Water Systems, LLC along with Quantex installed monitoring wells MW-48 through MW-53. A full gauging event was requested as part of the well installation and limited sampling event. Water levels have fallen at the site from two to three feet in most wells in the network since the last gauging event was performed in September, 2010. Well construction logs are presented in Appendix B. The piezometric data is provided in the following table and in Appendix A, Figure 3.

TABLE 1
Groundwater Data (feet)
Corner Stop #28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	GW Elevation
MW-1	2/28/11	99.42	34-54	46.40	48.53	50.89
MW-2	2/28/11	98.19	45-55	--	44.59	53.60
MW-3	2/28/11	99.02	45-55	--	46.71	52.31
MW-4	2/28/11	102.70	45-60	--	51.02	51.68
MW-5	2/28/11	99.90	35-60	--	47.60	52.30
MW-6R	2/28/11	101.94	45-65	--	55.80	46.14
MW-7	2/28/11	101.61	35-60	56.30	56.32	45.29
MW-9	2/28/11	96.71	35-60	--	41.90	54.81
MW-10	2/28/11	98.24	35-60	--	57.12	41.12
MW-11	2/28/11	100.53	30-55	--	53.20	47.33
MW-12R	2/28/11	99.58	50-70	--	42.71	56.87
MW-13	2/28/11	99.96	40-60	--	42.69	57.27
MW-14	2/28/11	102.92	40-60	--	53.48	49.44
MW-15	2/28/11	101.50	40-60	56.60	56.62	44.88
MW-15R	2/28/11	101.29	50-70	56.33	56.46	44.83
MW-16	2/28/11	98.68	40-60	--	52.96	45.72
MW-17	2/28/11	99.05	40-60	--	41.11	57.94
MW-18	2/28/11	101.23	40-60	56.29	56.30	44.93
MW-19	2/28/11	102.19	40-60	--	57.21	44.98
MW-19R	2/28/11	102.03	50-70	--	57.97	44.06
MW-20	2/28/11	91.47	40-60	--	51.32	40.15
MW-21	2/28/11	100.39	45-65	--	56.99	43.40
MW-22	2/28/11	100.39	45-65	57.81	57.92	42.47
MW-23	2/28/11	101.62	45-65	--	55.90	45.72
MW-24	2/28/11	101.71	45-65	--	51.01	50.70
MW-25	2/28/11	97.73	45-65	--	35.11	62.62
MW-26	2/28/11	100.01	45-65	--	60.25	39.76
MW-27	2/28/11	94.30	45-65	--	50.50	43.80
MW-28	2/28/11	87.21	45-65	--	46.70	40.51
MW-29	2/28/11	96.72	50-70	--	35.17	61.55
MW-30	2/28/11	102.10	50-70	--	52.68	49.42
MW-31	2/28/11	94.97	50-70	--	40.15	54.82
MW-32	2/28/11	86.78	50-70	--	45.83	40.95
MW-33	2/28/11	88.98	50-70	48.79	49.08	39.90
MW-34	2/28/11	90.20	50-70	--	50.19	40.01
MW-35	2/28/11	71.30	50-70	--	39.87	31.43
MW-36	2/28/11	81.34	50-70	--	55.62	25.72
MW-37	2/28/11	67.13	50-70	--	45.74	21.39
MW-38	2/28/11	72.76	50-70	--	48.90	23.86
MW-39	2/28/11	89.53	50-70	--	44.25	45.28
MW-40	2/28/11	91.41	50-70	--	59.81	31.60
MW-41	2/28/11	94.23	50-70	--	53.86	40.37
MW-42	2/28/11	100.92	50-70	--	62.37	38.55
MW-43	2/28/11	95.52	50-70	--	53.80	41.72
MW-44	2/28/11	63.92	30-50	--	45.82	18.10
MW-45	2/28/11	64.00	30-50	--	42.51	21.49

TABLE 1 CONT.
Groundwater Data (feet)
Corner Stop #28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	GW Elevation
MW-46	2/28/11	55.65	30-50	--	40.15	15.50
MW-47	2/28/11	68.64	30-50	--	43.63	25.01
MW-48	2/28/11	68.77	35-45	--	35.90	32.87
MW-49	2/28/11	58.36	30-40	--	32.20	26.16
MW-50	2/28/11	58.69	20-30	--	24.58	34.11
MW-51	2/28/11	62.92	30-40	--	31.00	31.92
MW-52	3/22/11	60.02	38-48	--	47.62	12.40
MW-53	2/28/11	51.61	25-35	26.65	26.79	24.82
T-1**	2/28/11	100.32	71-81	--	60.41	39.91
T-2**	2/28/11	91.86	76-81	--	51.90	39.96
T-3**	2/28/11	95.68	85-90	--	49.01	46.67
T-4**	2/28/11	89.32	76-81	--	44.85	44.47
T-5**	2/28/11	89.31	85-90	--	63.11	26.20

**Piezometric data from wells with free product and telescoping well not used to construct the piezometric map.
CNL = Could Not Locate

Depths to fluid measurements were collected relative to the top of casing for each well using a hydrocarbon interface probe capable of detecting and measuring a hydrocarbon product thickness of 0.01 foot or 1/8 inch. Groundwater elevations were then determined by subtracting depth to fluid measurements from the top of casing elevations and a piezometric contour map of the uppermost aquifer surface was developed (Appendix A, Figure 3). Free phase petroleum product was detected in monitoring wells MW-1, MW-7, MW-15, MW-15R, MW-18, MW-22, MW-33 and MW-53 on the day sampling was performed. These wells along with the telescoping wells are not included in the piezometric map in Appendix A. Newly installed monitoring well MW-52 was dry during the sampling event on February 28th, 2011. This well was set at forty eight feet below land surface which is more than enough depth to make water. KLM attempted sampling monitoring well MW-52 again on March 22nd, 2011. The well had produced just enough water to collect a sample for Benzene, Toluene, Ethylbenzene, Xylenes, Naphthalene, MTEB, and EDB. This is third time installing a well at this site over the last several well installation events in which a well has taken several weeks to make water.

3.0 GROUNDWATER QUALITY

KLM personnel performed the limited groundwater-sampling event on February 28th, 2011 and March 22nd, 2011. Results from the past sampling events are included in the table for comparison.

TABLE 2
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	EDB
RBSL	**--**	**5**	**1000**	**700**	**10000**	**40**	**25**	**0.05**
MW-1	2/28/06	NS	NS	NS	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-2	2/28/06	**3800**	**41000**	**4100**	**22500**	**1100**	**<400**	**10**
	5/30/07	**1300**	**20000**	**1900**	**12300**	**1900**	**400**	**15**
	10/23/07	**2410**	**25900**	**3340**	**18350**	**7510**	**1940**	**16.8**
	2/27/08	**2770**	**28600**	**3670**	**20000**	**4040**	**991**	**12.6**
	12/4/08	**2940**	**23400**	**2930**	**18200**	**17500**	**<1000**	**53.4**
	6/1/09	**4170**	**21400**	**2560**	**18000**	**18300**	**659**	**54.8**
MW-3	2/28/06	NS	NS	NS	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**2120**	**21000**	**3140**	**17900**	**2990**	**1030**	**9.7**
MW-4	2/28/06	NS	NS	NS	NS	NS	NS	NS
	5/30/07	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	10/23/07	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-5	2/28/06	**410**	150	19	270	**140**	3	<0.02
	5/30/07	**900**	820	150	640	**860**	13	**0.20**
	10/23/07	**592**	334	70.1	444	**425**	**45.4**	0.031
	2/27/08	**482**	614	25.4	1110	**557**	**34.8**	<0.02
	12/4/08	**363**	84.2	13.7	263	**831**	<25.0	**0.06**
	6/1/09	**294**	199	19.6	409	**677**	**32.5**	<0.019
MW-6	2/28/06	**450**	350	650	1450	19	<1	<0.02
	5/30/07	<5.0	14	6.4	40	<5.0	12	NS
	10/23/07	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-6R	2/27/08	**4470**	**19500**	**2300**	9800	**85.9**	**351**	<0.02
	12/4/08	**95.7**	115	29.1	440	**63.3**	**57.1**	<0.02
	6/1/09	**16.1**	144	21.1	167	25.7	**128**	<0.019

TABLE 2 CONT.
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	EDB
RBSL	--	**5**	**1000**	**700**	**10000**	**40**	**25**	**0.05**
MW-7	2/28/06	NS	NS	NS	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-9	2/28/06	<1	<1	<1	<3	<1	<1	<0.02
	5/30/07	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<0.02
	10/23/07	<5.0	5.2	<5.0	<10.0	<5.0	<5.0	<0.02
	2/27/08	1.3	29.0	8.4	45.4	<5.0	8.6	<0.02
	12/4/08	1.7	22.9	6.0	33.5	2.4	<5.0	<0.019
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-10	2/28/06	<1	<1	<1	<3	<1	<1	<0.02
	5/30/07	<5.0	9.5	<5.0	21.4	<5.0	6.7	<0.02
	10/23/07	<5.0	19.4	6.7	43.3	<5.0	11.7	<0.02
	2/27/08	3.7	106	34.3	215	2.1	**43.2**	<0.02
	12/4/08	2.5	32.1	7.6	47.7	6.5	7.5	0.046
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-11	2/28/06	**12000**	**60000**	**10000**	**55000**	**37000**	**3400**	**19**
	5/30/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-12	2/28/06	**130**	7	1	94	22	1	<0.02
	5/30/07	CNL	CNL	CNL	CNL	CNL	CNL	CNL
	10/23/07	CNL	CNL	CNL	CNL	CNL	CNL	CNL
	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-12R	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-13	5/30/07	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<0.02
	10/23/07	<5.0	7.4	<5.0	<10	<5.0	6.3	<0.02
	2/27/08	**6.4**	<5.0	<5.0	4.6	<5.0	3.1	<0.02
	12/4/08	4.8	83.3	24.4	134	4.1	10.1	<0.02
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-14	5/30/07	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<0.02
	10/23/07	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.02
	2/27/08	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.02
	12/4/08	2.6	44.3	12.7	70.0	2.7	6.4	<0.02
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
MW-15	5/30/07	**10000**	**42000**	**3400**	**29000**	**980**	**830**	**23**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-15R	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**

TABLE 2 CONT.
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	EDB
RBSL	**--**	**5**	**1000**	**700**	**10000**	**40**	**25**	**0.05**
MW-16	5/30/07	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.02
	10/23/07	<5.0	9.3	<5.0	20.2	<5.0	5.7	<0.02
	2/27/08	1.7	30.1	8.5	44.9	<5.0	4.1	<0.02
	12/4/08	**17.9**	321	102	590	<5.0	**69.4**	0.034
	6/1/09	**10.2**	198	54.8	296	<5.0	**38.2**	<0.019
MW-17	10/23/07	**2610**	**7400**	**912**	6330	**9380**	**<500**	**24.6**
	2/27/08	**4810**	**15900**	**2450**	**14200**	**12200**	**764**	**37.1**
	12/4/08	**5610**	**21500**	**1630**	**14600**	**17700**	**749**	**87.5**
	6/1/09	**3210**	**15800**	**1870**	**11300**	**6040**	**<1000**	24.7
MW-18	10/23/07	**2180**	**20000**	**3410**	**19880**	**1030**	**830**	**0.88**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-19	10/23/07	**9840**	**47600**	**5260**	**27800**	**18500**	**1660**	**16.4**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-19R	6/1/09	**4700**	**44500**	**3700**	**19500**	**2240**	**1010**	**3.1**
MW-20	10/23/07	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.02
	2/27/08	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.02
	12/4/08	<5.0	4.8	1.8	18.5	<5.0	3.0	<0.019
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-21	2/27/08	**123**	23.0	15.3	569	8.3	**53.4**	<0.02
	12/4/08	**1510**	**1870**	**1530**	**11000**	**321**	**598**	**0.53**
	6/1/09	**2650**	**3700**	**1850**	8130	**580**	**756**	**0.66**
MW-22	2/27/08	**9410**	**45300**	**4050**	**21000**	**12300**	**<2500**	**4.0**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-23	12/4/08	**19.3**	173	40.5	236	19.4	**40.1**	**0.083**
	6/1/09	<5.0	<5.0	<5.0	<10.0	17.9	<5.0	<0.019
MW-24	12/4/08	1.9	65.8	40.9	573	<5.0	**90.2**	<0.019
	6/1/09	**168**	105	121	705	35.7	**49.0**	<0.020
MW-25	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/1/09	<5.0	<5.0	<5.0	6.9	<5.0	<5.0	<0.019
MW-26	12/4/08	**596**	33.0	25.4	179	20.5	**51.6**	**0.26**
	6/1/09	**715**	<25.0	12.5	229	25.9	**61.8**	**0.11**
MW-27	12/4/08	**1620**	67.8	62.0	1000	**4800**	**125**	**0.93**
	6/1/09	**1160**	<100	<100	375	**2850**	**<100**	**0.36**
MW-28	12/4/08	**1010**	19.6	6.7	1110	**2540**	**200**	**0.48**
	6/1/09	**3940**	50.3	29.6	1410	**6750**	**358**	**0.81**
MW-29	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-30	6/1/09	**13.8**	11.0	7.9	196	13.2	**88.8**	<0.019
MW-31	6/1/09	<5.0	1.8	<5.0	3.0	<5.0	<5.0	<0.019
MW-32	6/1/09	<5.0	2.4	<5.0	4.9	<5.0	<5.0	<0.019
MW-33	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**

TABLE 2 CONT.
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	EDB
RBSL	**--**	**5**	**1000**	**700**	**10000**	**40**	**25**	**0.05**
MW-34	6/1/09	**8570**	**45200**	**3510**	**18300**	**9560**	**665**	8.0
MW-35	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-36	6/1/09	<5.0	<5.0	<5.0	<10.0	4.6	<5.0	<0.019
MW-37	6/1/09	<5.0	<5.0	<5.0	<10.0	**247**	<5.0	<0.019
MW-38	6/1/09	<5.0	<5.0	<5.0	<10.0	**319**	<5.0	<0.019
MW-39	6/1/09	<5.0	<5.0	<5.0	<10.0	12.4	<5.0	<0.019
MW-40	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-41	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-42	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-43	6/1/09	<5.0	<5.0	<5.0	<10.0	12.0	<5.0	<0.019
MW-44	9/28/10	**83.8**	<25.0	<25.0	49.4	**593**	**43.4**	**0.15**
MW-45	9/28/10	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.02
MW-46	9/28/10	<5.0	<5.0	<5.0	<10.0	11.8	<5.0	<0.019
MW-47	9/28/10	<5.0	<5.0	<5.0	<10.0	20.6	<5.0	<0.019
MW-48	2/28/11	<5.0	<5.0	<5.0	<10.0	2.7	<5.0	<0.02
MW-49	2/28/11	<5.0	26.6	14.9	80.1	**57.4**	6.1	<0.02
MW-50	2/28/11	**16.1**	530	294	1390	35.4	**143**	<0.02
MW-51	2/28/11	**2710**	**7210**	**2510**	7150	**1780**	**643**	**0.38**
MW-52	3/22/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.02
MW-53	2/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
T-1	2/28/06	NS	NS	NS	NS	NS	NS	NS
	5/30/07	**41**	240	120	790	**1500**	**260**	**0.71**
	10/23/07	**<25**	44.7	<25	<50	**655**	<25	**0.10**
	2/27/08	**5.4**	28.0	3.9	21.4	**232**	21.8	<0.02
	12/4/08	3.2	64.0	24.5	128	**92.0**	7.1	<0.02
	6/1/09	**4.9**	<5.0	<5.0	5.6	**76.1**	<5.0	<0.019
T-2	10/23/07	<5.0	33.2	9.9	52.5	<5.0	6.9	<0.02
	2/27/08	<5.0	7.1	<5.0	5.3	<5.0	3.5	<0.02
	12/4/08	<5.0	1.9	<5.0	<10.0	<5.0	<5.0	<0.019
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
T-3	6/1/09	**358**	<25.0	<25.0	43.5	**985**	17.8	<0.019
T-4	9/28/10	<5.0	<5.0	<5.0	<10.0	4.8	<5.0	<0.02
T-5	9/28/10	<5.0	<5.0	<5.0	<10.0	2.8	<5.0	<0.02
Creek	2/28/11	**345**	183	118	191	**573**	**31.8**	NS

All results presented in the table are in ug/l unless otherwise stated. FP = Free product, NA = Not Analyzed

TABLE 3
Oxygenate Data
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	Ethanol	(ETBE)	(DIPE)	(ETBA)	(TBA)	(TAME)	(TAA)	(TBF)
RBSL	**	**10000**	**47**	**150**	--	**1400**	**128**	**240**	--
MW-1	6/1/09	FP	FP	FP	FP	FP	FP	FP	FP
MW-2	6/1/09	**<40000**	**<2000**	**1190**	<20000	**<20000**	**<2000**	**<20000**	<10000
MW-3	6/1/09	<200	<10.0	**290**	<100	382	100	**1830**	<50.0
MW-4	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-5	6/1/09	<400	<20.0	**191**	<200	<200	43.3	207	<100
MW-6R	6/1/09	<200	<10.0	19.5	<100	187	<10.0	**330**	<50.0
MW-7	6/1/09	FP	FP	FP	FP	FP	FP	FP	FP
MW-9	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-10	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-11	6/1/09	FP	FP	FP	FP	FP	FP	FP	FP
MW-12R	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-13	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-14	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-15	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-15R	6/1/09	FP	FP	FP	FP	FP	FP	FP	FP
MW-16	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-17	6/1/09	**<40000**	**<2000**	**541**	<20000	**<20000**	**<2000**	**<20000**	<10000
MW-18	6/1/09	FP	FP	FP	FP	FP	FP	FP	FP
MW-29	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-30	6/1/09	<400	<20.0	<10.0	<200	<200	<20.0	<200	<100
MW-31	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-32	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-33	6/1/09	FP	FP	FP	FP	FP	FP	FP	FP
MW-34	6/1/09	<4000	**<200**	**742**	<2000	**1500**	552	**4300**	<1000
MW-35	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-36	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-37	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-38	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-39	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-40	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-41	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-42	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-43	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-44	9/28/10	<1000	**<50.0**	**184**	<500	<500	32.2	**<500**	<250
MW-45	9/28/10	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-46	9/28/10	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-47	9/28/10	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-48	2/28/11	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-49	2/28/11	<200	<10.0	2.4	<100	<100	<10.0	<100	<50.0
MW-50	2/28/11	<1000	<50.0	<25.0	<500	<500	<50.0	<500	<250
MW-51	2/28/11	<2000	<100	**334**	<1000	<1000	120	**3230**	<500
MW-52	3/22/11	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
MW-53	2/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**

TABLE 3
Oxygenate Data Continued
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	Ethanol	(ETBE)	(DIPE)	(ETBA)	(TBA)	(TAME)	(TAA)	(TBF)
RBSL	**	**10000**	**47**	**150**	--	**1400**	**128**	**240**	--
T-1	6/1/09	<200	<10.0	37.2	<100	<100	<10.0	<100	<50.0
T-2	6/1/09	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
T-3	6/1/09	<1000	**<50.0**	**284**	<500	169	45.1	1070	<250
T-4	9/28/10	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0
T-5	9/28/10	<200	<10.0	<5.0	<100	<100	<10.0	<100	<50.0

TABLE 4
Auxiliary Data
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	Lead	1,2 DCA	Ferrous Iron	Nitrate	Methane	Sulfate (mg/L)	Filtered Lead
RBSL	--	**15**	**5.0**	-	-	-	-	**5**
MW-1	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-2	6/1/09	**16.7**	**<1000**	NS	NS	NS	NS	NS
MW-3	6/1/09	111	**17.5**	NS	NS	NS	NS	NS
MW-4	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-5	6/1/09	<5.0	**<10.0**	NS	NS	NS	NS	NS
MW-6R	6/1/09	8.1	<5.0	NS	NS	NS	NS	NS
MW-7	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-9	6/1/09	<5.0	<5.0	NS	NS	NS	NS	NS
MW-10	6/1/09	<5.0	<5.0	NS	NS	NS	NS	NS
MW-11	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-12R	6/1/09	<5.0	<5.0	<0.50	1.7	NS	2.6	NS
MW-13	6/1/09	<5.0	<5.0	NS	NS	NS	NS	NS
MW-14	6/1/09	11.4	<5.0	NS	NS	NS	NS	NS
MW-15	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-15R	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-16	6/1/09	<5.0	<5.0	NS	NS	NS	NS	NS
MW-17	6/1/09	<5.0	**<1000**	NS	NS	NS	NS	NS
MW-18	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-19	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-19R	6/1/09	**30.8**	**<100**	<0.50	<0.10	NS	<1.0	NS
MW-20	6/1/09	<5.0	<5.0	NS	NS	NS	NS	NS
MW-21	6/1/09	**41.8**	**<100**	NS	NS	NS	NS	NS
MW-22	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-23	6/1/09	<5.0	<5.0	NS	NS	NS	NS	NS
MW-24	6/1/09	7.1	**<10.0**	NS	NS	NS	NS	NS
MW-25	6/1/09	<5.0	<5.0	NS	NS	NS	NS	NS
MW-26	6/1/09	**20.3**	**26.4**	NS	NS	NS	NS	NS
MW-27	6/1/09	<5.0	**91.2**	NS	NS	NS	NS	NS
MW-28	6/1/09	5.2	**159**	NS	NS	NS	NS	NS

TABLE 4 CONT.
Auxiliary Data
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	Lead	1,2 DCA	Ferrous Iron	Nitrate	Methane	Sulfate (mg/L)	Filtered Lead
RBSL	--	**15**	**5.0**	-	-	-	-	**5**
MW-29	6/1/09	<5.0	<5.0	<0.50	2.2	NS	8	NS
MW-30	6/1/09	<5.0	**<10.0**	<0.50	0.39	NS	2	NS
MW-31	6/1/09	<5.0	<5.0	<0.50	3.8	NS	4.6	NS
MW-32	6/1/09	<5.0	<5.0	<0.50	3.6	NS	17	NS
MW-33	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-34	6/1/09	**48.3**	**<100**	<0.50	<0.10	NS	<1.0	NS
MW-35	6/1/09	<5.0	<5.0	<0.50	1.9	NS	13	NS
MW-36	6/1/09	<5.0	<5.0	<0.50	2.7	NS	6.9	NS
MW-37	6/1/09	<5.0	<5.0	<0.50	7.5	NS	65	NS
MW-38	6/1/09	<5.0	<5.0	<0.50	6.3	NS	67	NS
MW-39	6/1/09	<5.0	<5.0	<0.50	8.4	NS	4.5	NS
MW-40	6/1/09	<5.0	<5.0	<0.50	3.9	NS	13	NS
MW-41	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-42	6/1/09	<5.0	<5.0	<0.50	2.5	NS	5.6	NS
MW-43	6/1/09	<5.0	<5.0	<0.50	8.6	NS	4.3	NS
MW-44	9/28/10	**38.3**	**6.5**	NS	NS	NS	NS	NS
MW-45	9/28/10	**31.3**	<5.0	NS	NS	NS	NS	NS
MW-46	9/28/10	<5.0	<5.0	NS	NS	NS	NS	NS
MW-47	9/28/10	**23.6**	<5.0	NS	NS	NS	NS	NS
MW-48	2/28/11	NS	<5.0	NS	NS	NS	NS	<5.0
MW-49	2/28/11	NS	<5.0	NS	NS	NS	NS	<5.0
MW-50	2/28/11	NS	<25.0	NS	NS	NS	NS	<5.0
MW-51	2/28/11	NS	<50.0	NS	NS	NS	NS	<5.0
MW-52	3/22/11	DRY	<5.0	NS	NS	NS	NS	DRY
MW-53	2/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
T-1	6/1/09	<5.0	<5.0	NS	NS	NS	NS	NS
T-2	6/1/09	<5.0	<5.0	NS	NS	NS	NS	NS
T-3	6/1/09	<5.0	**28.5**	<0.50	1.1	NS	87	NS
T-4	9/28/10	**68.4**	<5.0	NS	NS	NS	NS	NS
T-5	9/28/10	**65.9**	<5.0	NS	NS	NS	NS	NS

All results presented in the table are in ug/l unless otherwise stated. FP = Free product, NA = Not Analyzed
CNL = Could Not Locate

A minimum of three well volumes were purged from each newly installed monitoring well where sufficient water could be obtained. In the case of MW-52 purging was not performed as the well had only made enough water to collect four 40ml vials one month after installation had been completed. Immediately after well purging was completed, groundwater samples were collected using disposable bottom entry sampling bailers, decanted into sterile glass sample containers provided by the analytical laboratory, and preserved in accordance with United States Environmental Protection Agency (USEPA) sampling protocol. Standard field parameters (pH, specific conductivity, temperature, dissolved oxygen, salinity, and turbidity) were measured and

recorded for each sample during well purging and at the time of collection. Following collection in the field, the groundwater samples were submitted to the analytical laboratory and analyzed for Benzene, Toluene, Ethylbenzene, total Xylenes (BTEX), Methyl-tert Butyl Ether (MTBE), Naphthalene, EDB, 1, 2 DCA, 8 oxygenates, and Filtered Lead. A copy of the laboratory data and the chain-of-custody for the well sampling event is provided in Appendix C. A map with concentration levels for each well is provided as Figure 4 in Appendix A. A disposal manifest for the contaminated purge water and drill cuttings is provided in Appendix D. Historical groundwater elevations are provided in Appendix E.

4.0 CONCLUSIONS

The sampling of the newly installed monitoring wells and the requested comprehensive gauging event performed on February 28th, 2011 (March 22nd, 2011 for MW-52) shows the presence of free phase petroleum at the site in monitoring wells MW-1, MW-7, MW-15, MW-15R, MW-18, MW-22, MW-33 and MW-53. Historically, MW-11 has contained free phase petroleum but did not during this gauging event. The installation of monitoring wells MW-48 through MW-53 have shown the free product plume is at least 850 ft long. The contaminate plume has been tracked to a creek to the south of the site. Results from the creek sample show the creek has been impacted with Benzene at 345 ppb and MTBE at 573 ppb.

The free product plume, along with the contaminant plume has not been defined to the south of Turkey Creek. While it is suspected Turkey Creek may be a defining boundary, no delineation has been performed to the south of the creek. A church children's park borders the impacted surface water creek. Turkey Creek eventually flows into Lake Greenwood and is joined along the way from several creeks located in the water shed.

In order to fully define the contaminant plume as well as the free product plume, KLM recommends further delineation to the south of the site. Since the contaminant plume is in a wooded area with major topographical relief, adverse terrain vehicles will be required along with equipment to clear trails to complete delineation. Additional permission from necessary property owners will be required to continue this delineation further south.

KLM recommends contacting the church and any down gradient property owners immediately concerning the contamination found in Turkey Creek. A real concern is the proximity of Turkey Creek to the playground at the church property. The name of the church is Little River Baptist Church located at 21 Fleming Street West in Ware Shoals, SC. The contact information for the church is 864-456-4499. KLM would also recommend sampling at different points along the creek to determine if the water shed is diluting the contamination and at what point along the creek that is occurring to a level safe enough for public contact. AFVR events should also continue at the site in an effort to remove as much free phase product as possible which could lower the contaminant levels found in the creek.

5.0 REFERENCES

KLM Environmental, LLC, *Assessment Report*, October, 2010

KLM Environmental, LLC, *Monitoring Report*, June, 2009.

KLM Environmental, LLC, *Monitoring Report*, December, 2008.

KLM Environmental, LLC, *Monitoring Report*, March, 2008.

KLM Environmental, LLC, *Assessment Report*, November, 2007.

KLM Environmental, LLC, *Assessment Report*, June, 2007.

Delta Environmental, Inc., *Monitoring Report*, February 2006.

South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management Underground Storage Tank Program, *South Carolina Risk-Based Corrective Action for Petroleum Releases*, May 15, 2001.

APPENDIX A

Figures

KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

Figure 1
USGS Map
Corner Stop 28
Ware Shoals, SC
Project # 05094.6

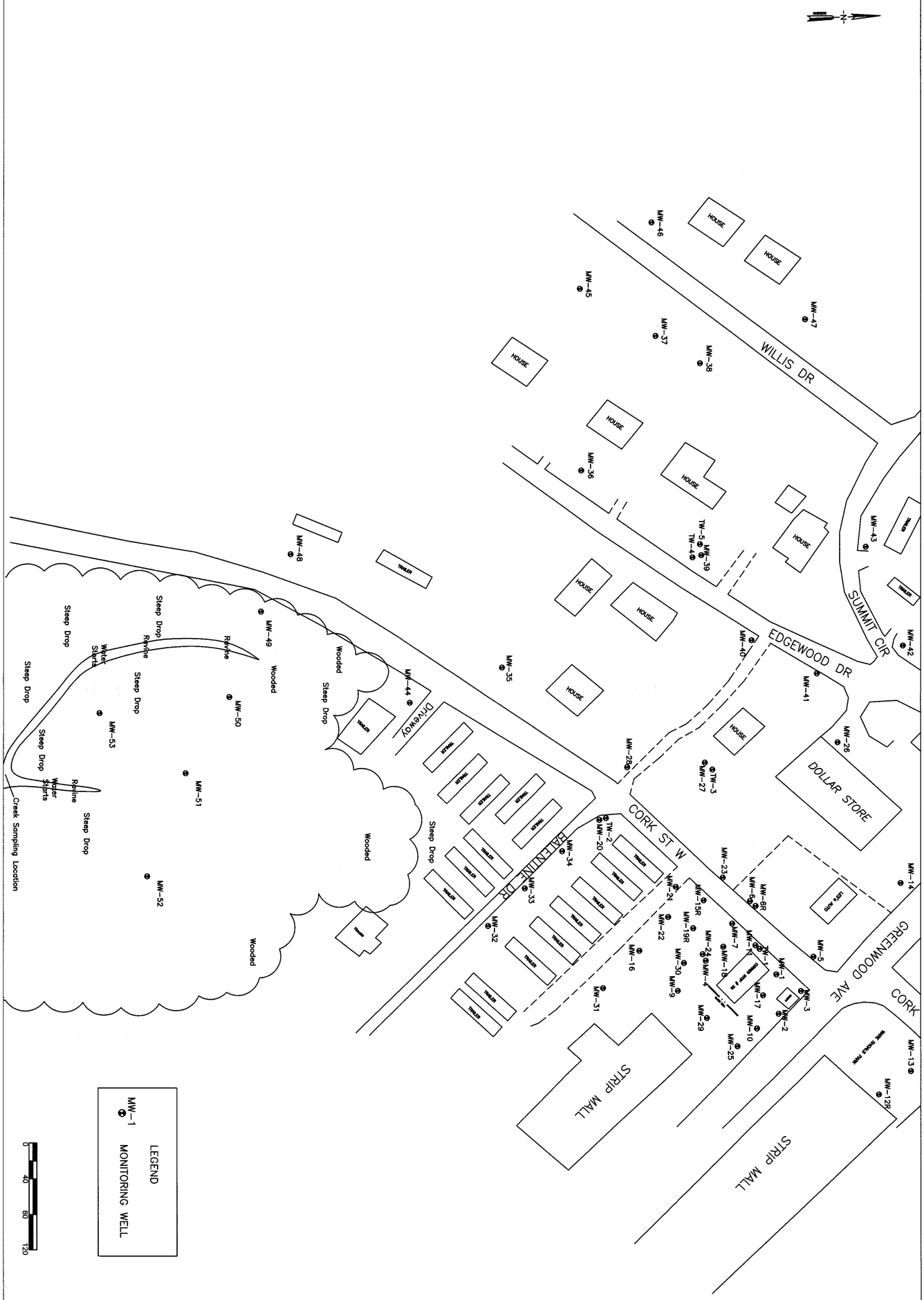

FIGURE 2
SITE MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

KLM Environmental, LLC
Phase I· Phase II· Underground Storage Tanks· Soil & Water Sampling· Well Installation

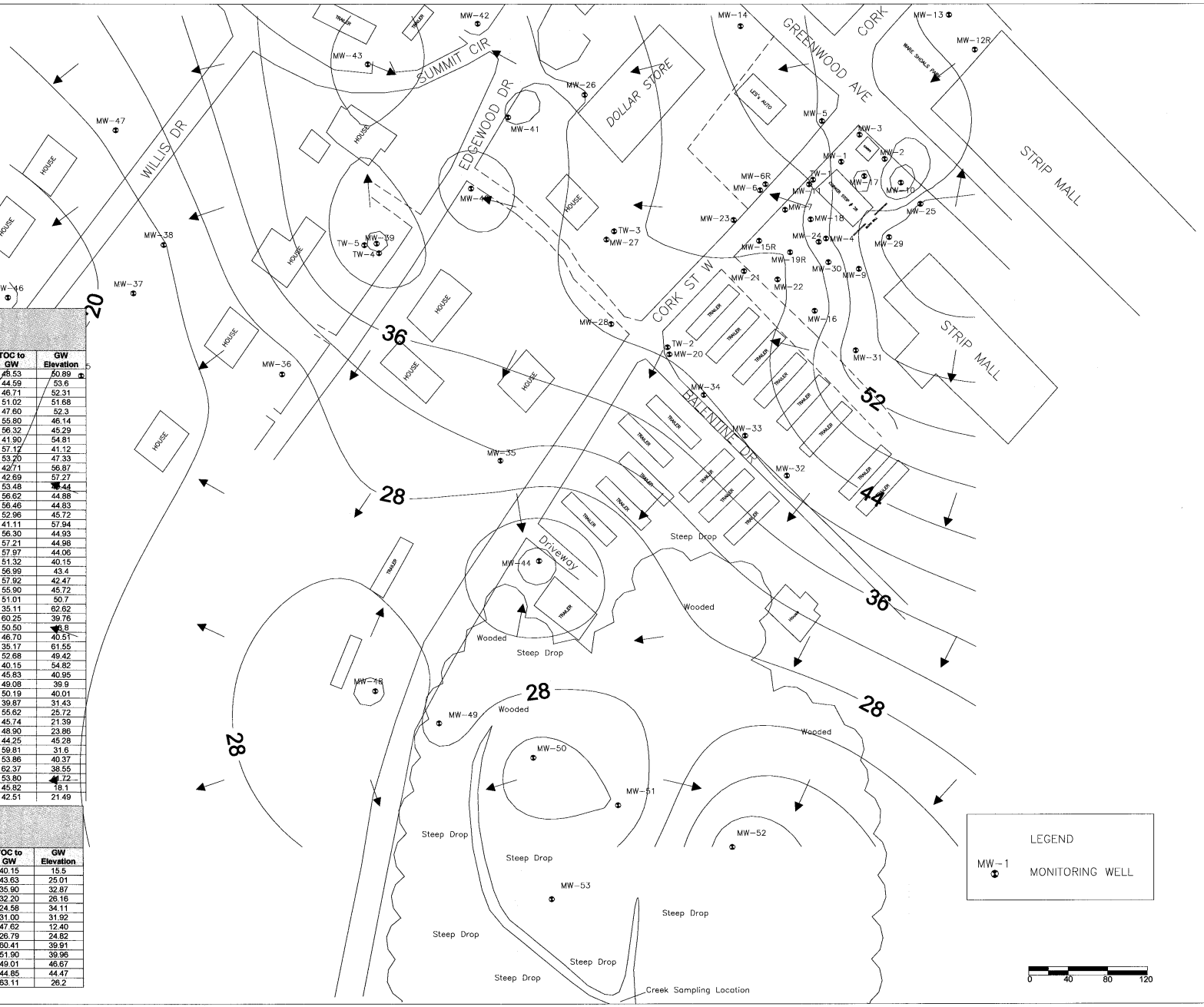

TABLE 1
Groundwater Data (feet)
Corner Stop #28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	GW Elevation
MW-1	2/28/11	99.42	34-54	46.40	48.53	50.89
MW-2	2/28/11	98.19	45-55	--	44.59	53.6
MW-3	2/28/11	99.02	45-55	--	46.71	52.31
MW-4	2/28/11	102.70	45-60	--	51.02	51.68
MW-5	2/28/11	99.90	35-60	--	47.60	52.3
MW-6R	2/28/11	101.94	45-65	--	55.80	46.14
MW-7	2/28/11	101.61	35-60	56.30	56.32	45.29
MW-9	2/28/11	96.71	35-60	--	41.90	54.81
MW-10	2/28/11	98.24	35-60	--	57.12	41.12
MW-11	2/28/11	100.53	30-55	--	53.20	47.33
MW-12R	2/28/11	99.58	50-70	--	42.71	56.87
MW-13	2/28/11	99.96	40-60	--	42.69	57.27
MW-14	2/28/11	102.92	40-60	--	53.48	49.44
MW-15	2/28/11	101.50	40-60	56.60	56.62	44.88
MW-15R	2/28/11	101.29	50-70	56.33	56.46	44.83
MW-16	2/28/11	98.68	40-60	--	52.96	45.72
MW-17	2/28/11	99.05	40-60	--	41.11	57.94
MW-18	2/28/11	101.23	40-60	56.29	56.30	44.93
MW-19	2/28/11	102.19	40-60	--	57.21	44.98
MW-19R	2/28/11	102.03	50-70	--	57.97	44.06
MW-20	2/28/11	91.47	40-60	--	51.32	40.15
MW-21	2/28/11	100.39	45-65	--	56.99	43.4
MW-22	2/28/11	100.39	45-65	57.81	57.92	42.47
MW-23	2/28/11	101.62	45-65	--	55.90	45.72
MW-24	2/28/11	101.71	45-65	--	51.01	50.7
MW-25	2/28/11	97.73	45-65	--	35.11	62.62
MW-26	2/28/11	100.01	45-65	--	60.25	39.76
MW-27	2/28/11	94.30	45-65	--	50.50	43.8
MW-28	2/28/11	87.21	45-65	--	46.70	40.51
MW-29	2/28/11	96.72	50-70	--	35.17	61.55
MW-30	2/28/11	102.10	50-70	--	52.68	49.42
MW-31	2/28/11	94.97	50-70	--	40.15	54.82
MW-32	2/28/11	86.78	50-70	--	45.83	40.95
MW-33	2/28/11	88.98	50-70	48.79	49.08	39.9
MW-34	2/28/11	90.20	50-70	--	50.19	40.01
MW-35	2/28/11	71.30	50-70	--	39.87	31.43
MW-36	2/28/11	81.34	50-70	--	55.62	25.72
MW-37	2/28/11	67.13	50-70	--	45.74	21.39
MW-38	2/28/11	72.76	50-70	--	48.90	23.86
MW-39	2/28/11	89.53	50-70	--	44.25	45.28
MW-40	2/28/11	91.41	50-70	--	59.81	31.6
MW-41	2/28/11	94.23	50-70	--	53.86	40.37
MW-42	2/28/11	100.92	50-70	--	62.37	38.55
MW-43	2/28/11	95.52	50-70	--	53.80	41.72
MW-44	2/28/11	63.92	30-50	--	45.82	18.1
MW-45	2/28/11	64.00	30-50	--	42.51	21.49

TABLE 1 CONT.
Groundwater Data (feet)
Corner Stop #28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	GW Elevation
MW-46	2/28/11	55.65	30-50	--	40.15	15.5
MW-47	2/28/11	68.64	30-50	--	43.63	25.01
MW-48	2/28/11	68.77	35-45	--	35.90	32.87
MW-49	2/28/11	58.36	30-40	--	32.20	26.16
MW-50	2/28/11	58.69	20-30	--	24.58	34.11
MW-51	2/28/11	62.92	30-40	--	31.00	31.92
MW-52	3/22/11	60.02	38-48	--	47.62	12.40
MW-53	2/28/11	51.61	25-35	26.65	26.79	24.82
T-1**	2/28/11	100.32	71-81	--	60.41	39.91
T-2**	2/28/11	91.86	76-81	--	51.90	39.96
T-3**	2/28/11	95.68	85-90	--	49.01	46.67
T-4**	2/28/11	89.32	76-81	--	44.85	44.47
T-5**	2/28/11	89.31	85-90	--	63.11	26.2

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Phase I- Phase II- Underground Storage Tanks Soil & Water Sampling Well Installation

FIGURE 3
PIEZOMETRIC MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

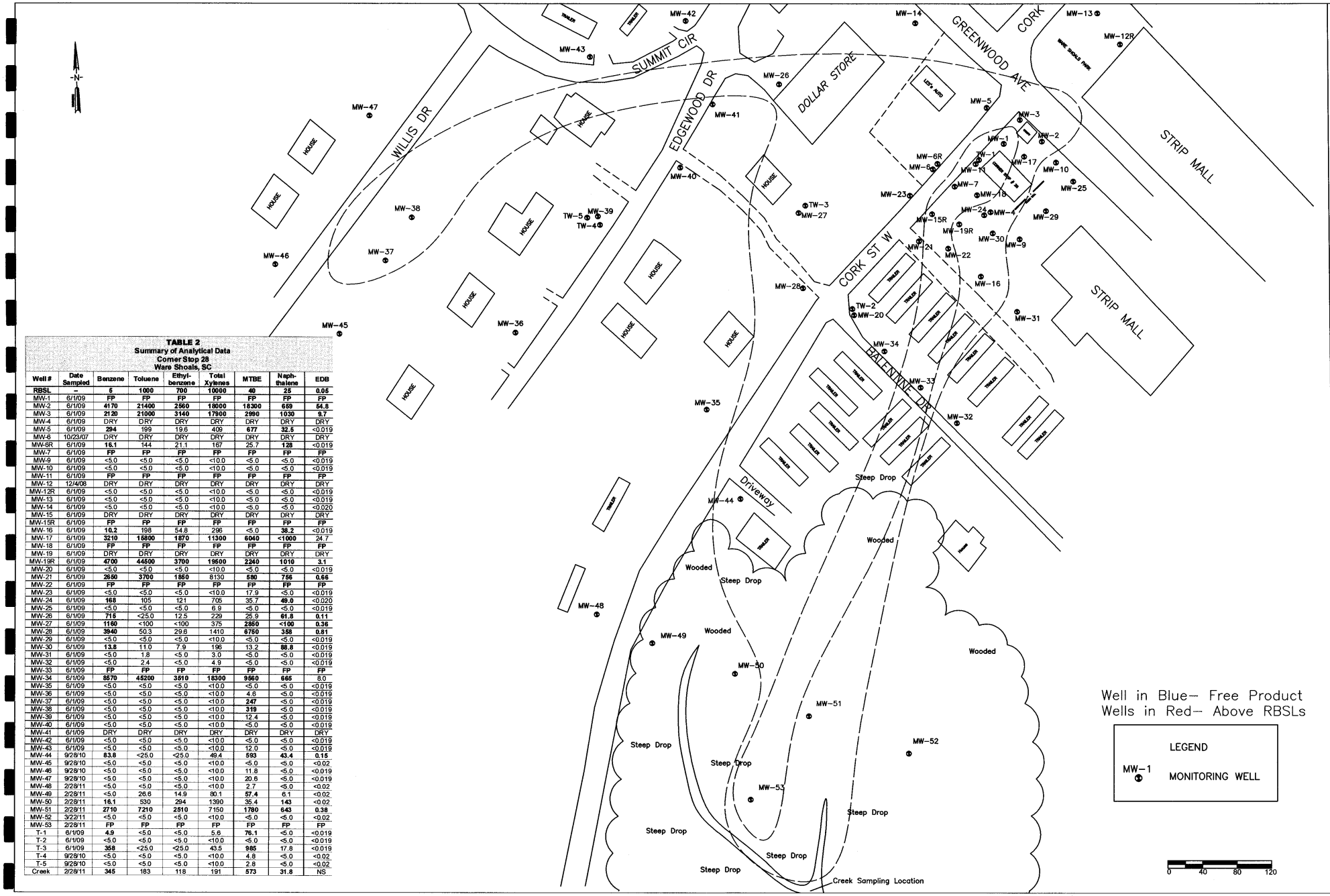


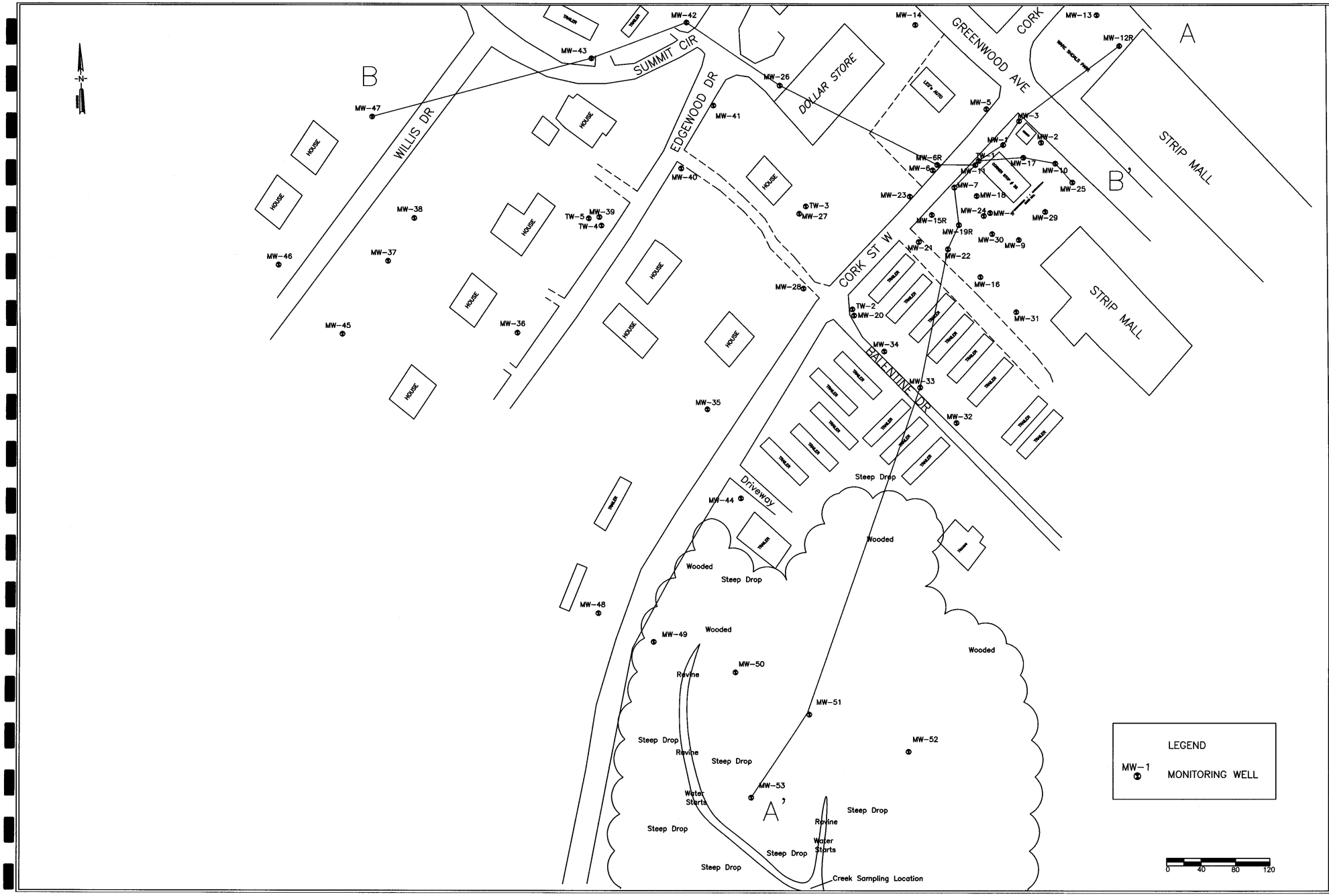
TABLE 2
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	EDB
RBSL	--	**5**	**1000**	**700**	**10000**	**40**	**25**	**0.05**
MW-1	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-2	6/1/09	**4170**	**21400**	**2560**	**18000**	**18300**	**659**	**54.8**
MW-3	6/1/09	**2120**	**21000**	**3140**	**17900**	**2990**	**1030**	**9.7**
MW-4	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-5	6/1/09	**294**	199	19.6	409	**677**	**32.5**	<0.019
MW-6	10/23/07	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-6R	6/1/09	**16.1**	144	21.1	167	25.7	**128**	<0.019
MW-7	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-9	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-10	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-11	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-12	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-12R	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-13	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-14	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
MW-15	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-15R	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-16	6/1/09	**10.2**	198	54.8	296	<5.0	**38.2**	<0.019
MW-17	6/1/09	**3210**	**15800**	**1870**	**11300**	**6040**	**<1000**	24.7
MW-18	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-19	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-19R	6/1/09	**4700**	**44500**	**3700**	**19600**	**2240**	**1010**	3.1
MW-20	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-21	6/1/09	**2650**	**3700**	**1850**	8130	**580**	**756**	**0.66**
MW-22	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-23	6/1/09	<5.0	<5.0	<5.0	<10.0	17.9	<5.0	<0.019
MW-24	6/1/09	**168**	105	121	705	35.7	**49.0**	<0.020
MW-25	6/1/09	<5.0	<5.0	<5.0	6.9	<5.0	<5.0	<0.019
MW-26	6/1/09	**715**	<25.0	12.5	2.29	25.9	**61.8**	**0.11**
MW-27	6/1/09	**1160**	<100	<100	375	**2850**	**<100**	**0.36**
MW-28	6/1/09	**3940**	50.3	29.6	1410	**6750**	**358**	**0.81**
MW-29	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-30	6/1/09	**13.8**	11.0	7.9	196	13.2	**88.8**	<0.019
MW-31	6/1/09	<5.0	1.8	<5.0	3.0	<5.0	<5.0	<0.019
MW-32	6/1/09	<5.0	2.4	<5.0	4.9	<5.0	<5.0	<0.019
MW-33	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-34	6/1/09	**8570**	**45200**	**3810**	**18300**	**9560**	**665**	8.0
MW-35	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-36	6/1/09	<5.0	<5.0	<5.0	<10.0	4.6	<5.0	<0.019
MW-37	6/1/09	<5.0	<5.0	<5.0	<10.0	**247**	<5.0	<0.019
MW-38	6/1/09	<5.0	<5.0	<5.0	<10.0	**319**	<5.0	<0.019
MW-39	6/1/09	<5.0	<5.0	<5.0	<10.0	12.4	<5.0	<0.019
MW-40	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-41	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-42	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-43	6/1/09	<5.0	<5.0	<5.0	<10.0	12.0	<5.0	<0.019
MW-44	9/28/10	**83.8**	<25.0	<25.0	49.4	**593**	**43.4**	**0.15**
MW-45	9/28/10	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.02
MW-46	9/28/10	<5.0	<5.0	<5.0	<10.0	11.8	<5.0	<0.019
MW-47	9/28/10	<5.0	<5.0	<5.0	<10.0	20.6	<5.0	<0.019
MW-48	2/28/11	<5.0	<5.0	<5.0	<10.0	2.7	<5.0	<0.02
MW-49	2/28/11	<5.0	26.6	14.9	80.1	**57.4**	6.1	<0.02
MW-50	2/28/11	**16.1**	530	294	1390	35.4	**143**	<0.02
MW-51	2/28/11	**2710**	**7210**	**2510**	7150	**1780**	**643**	**0.38**
MW-52	3/22/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.02
MW-53	2/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
T-1	6/1/09	**4.9**	<5.0	<5.0	5.6	**76.1**	<5.0	<0.019
T-2	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
T-3	6/1/09	**358**	<25.0	<25.0	43.5	**985**	17.8	<0.019
T-4	9/28/10	<5.0	<5.0	<5.0	<10.0	4.8	<5.0	<0.02
T-5	9/28/10	<5.0	<5.0	<5.0	<10.0	2.8	<5.0	<0.02
Creek	2/28/11	**345**	183	118	191	**573**	**31.8**	NS

KLM Environmental, LLC

Phase I· Phase II· Underground Storage Tanks· Soil & Water Sampling· Well Installation

FIGURE 4
COC MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659


KLM Environmental, LLC
Phase I-Phase II-Underground Storage Tanks-Soil & Water Sampling-Well Installation
FIGURE 5
CROSS SECTION MAP
CORNER STOP #28
WARE SHOALS, SC SITE # 05969
LEGEND
MW-1
MONITORING WELL
0 40 80 120
A
A'
B
B'
SUMMIT CIR
WILLIS DR
EDGEWOOD DR
DOLLAR STORE
GREENWOOD AVE
CORK
CORK ST W
BALENTINE DR
STRIP MALL
STRIP MALL
HOUSE
TRAILER
Driveway
Wooded
Steep Drop
Ravine
Water Starts
Creek Sampling Location
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-6R
MW-7
MW-9
MW-10
MW-11
MW-12R
MW-13
MW-14
MW-15R
MW-16
MW-17
MW-18
MW-19R
MW-20
MW-21
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TW-5

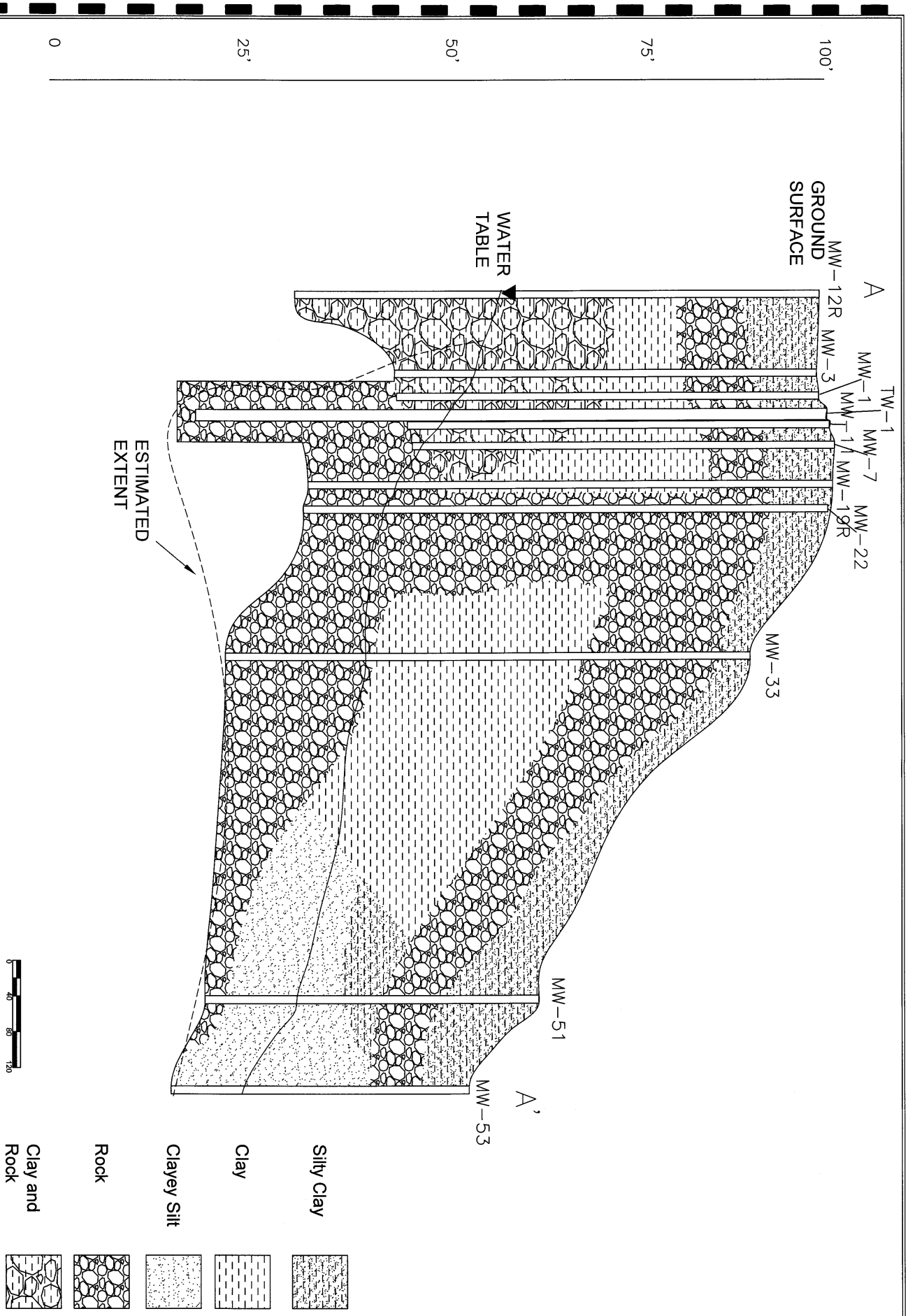
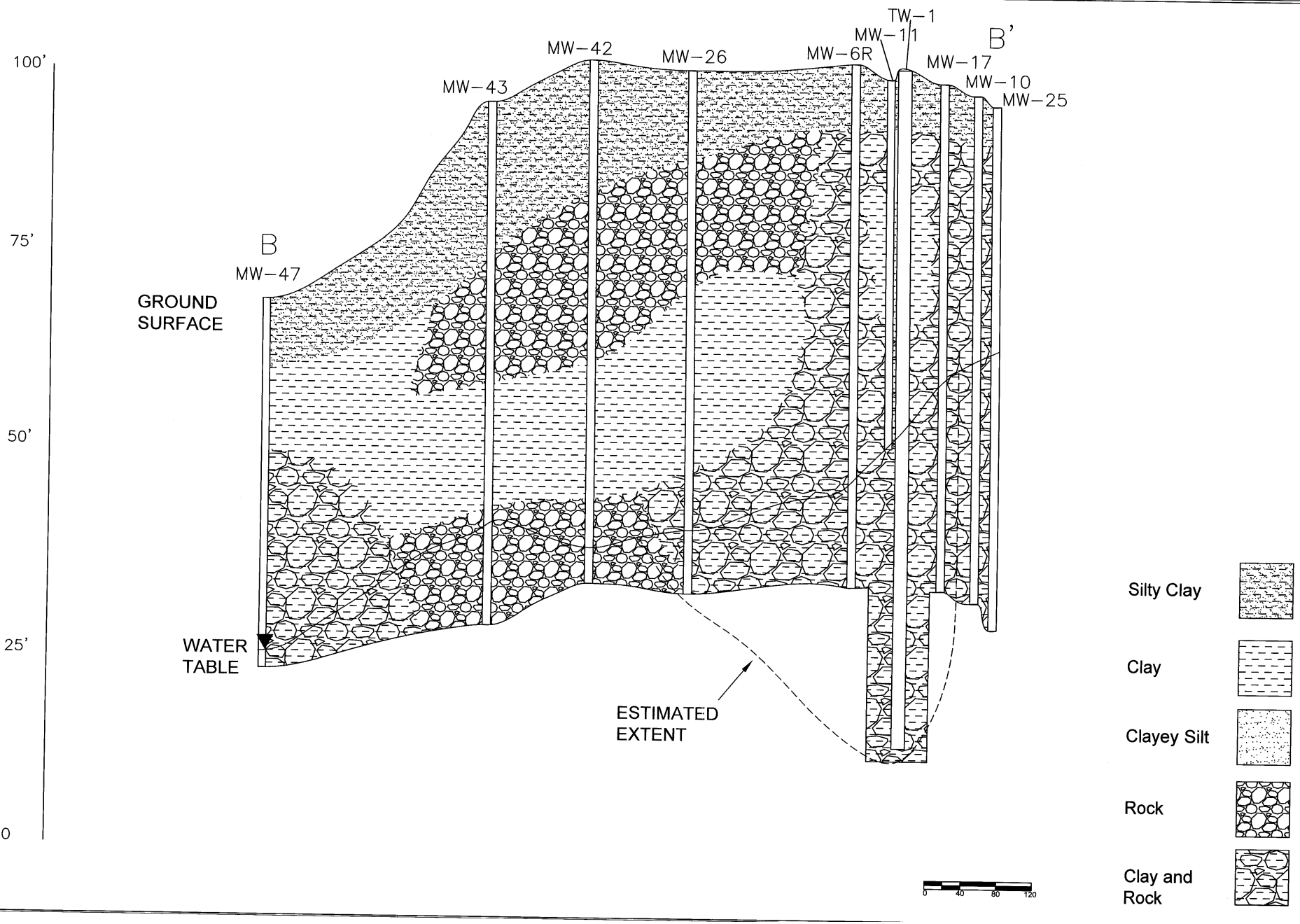


FIGURE 6
A-A' CROSS SECTION
CORNER STOP #28
WARE SHOALS, SC SITE ID# 05969

KLM Environmental, LLC
Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation



KLM Environmental, LLC

Phase I-Phase II-Underground Storage Tanks-Soil & Water Sampling-Well Installation

FIGURE 7
B-B' CROSS SECTION
CORNER STOP #28
NARE SHOALS, SC SITE ID# 05969

APPENDIX B

Well Construction Logs

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

South Carolina Department of Health and Environmental Control

1. WELL OWNER INFORMATION:
Name: Worsley Operating Company (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28409
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-48

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Orange silty clay	10 ft	0 - 10 ft
Tan silty clay	12 ft	10 - 22 ft
Gray rock	4 ft	22 - 26 ft
Tan clayey silt	16 ft	26 - 42 ft
Gray rock	3 ft	42 - 45 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-23983

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

9. WELL DEPTH (completed) 45 ft. Date Started: 2/22/2011 Date Completed: 2/23/2011

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 35 ft. depth
_____ in. to _____ ft. depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 10 ft
Set Between: 35 ft. and 45 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL _____ 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 33 ft. to 45 ft.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 3 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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: 2/23/2011

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

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

DHEC
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Operating Company (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28409
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-49

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Orange silty clay	18 ft	0 - 18 ft
Tan clayey silt	4 ft	18 - 22 ft
Gray rock	3 ft	22 - 25 ft
Tan clayey silt	7 ft	25 - 32 ft
Gray rock	8 ft	32 - 40 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-23983

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

9. WELL DEPTH (completed) 40 ft. Date Started: 2/22/2011 Date Completed: 2/23/2011

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 30 ft. depth
_____ in. to _____ ft. depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 10 ft
Set Between: 30 ft. and 40 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL _____ 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 28 ft. to 40 lt.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 2 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A B C D ☒ ☐ ☐ ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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: 2/23/2011

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

DHEC 1903 (07/2003) COPY I 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

DHEC — South Carolina Department of Health and Environmental Control

1. WELL OWNER INFORMATION:
Name: Worsley Operating Company (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28409
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-50

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Orange silty clay	7 ft	0 - 7 ft
Gray rock	4 ft	7 - 11 ft
Tan clayey silt	19 ft	11 - 30 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-23983

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

9. WELL DEPTH (completed) 30 ft. Date Started: 2/22/2011 Date Completed: 2/23/2011

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 20 ft. depth
_____ in. to _____ ft. depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 10 ft
Set Between: 20 ft. and 30 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL _____ 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 ft. to 30 ft.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 2 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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

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Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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: 2/23/2011

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

DHEC 1903 (07/2003) COPY I 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

DHEC — South Carolina Department of Health and Environmental Control

1. WELL OWNER INFORMATION:
Name: Worsley Operating Company (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28409
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-51

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Orange silty clay	15 ft	0 - 15 ft
Gray rock	5 ft	15 - 20 ft
Tan silty clay	5 ft	20 - 25 ft
Tan clayey silt	13 ft	25 - 38 ft
Gray rock	2 ft	38 - 40 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-23983

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

9. WELL DEPTH (completed) 40 ft. Date Started: 2/22/2011 Date Completed: 2/23/2011

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 30 ft. depth
_____ in. to _____ ft. depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 10 ft
Set Between: 30 ft. and 40 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL _____ 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 28 ft. to 40 ft.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 2 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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: 2/23/2011

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

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

South Carolina Department of Health and Environmental Control

1. WELL OWNER INFORMATION:
Name: Worsley Operating Company (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28409
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-52

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	* Thickness of Stratum	Depth to Bottom of Stratum
Orange silty clay	12 ft	0 - 12 ft
Gray rock	8 ft	12 - 20 ft
Tan clayey silt	10 ft	20 - 30 ft
Gray rock	18 ft	30 - 48 ft
* Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-23983

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

9. WELL DEPTH (completed) 48 ft. Date Started: 2/22/2011 Date Completed: 2/23/2011

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 38 ft. depth
_____ in. to _____ ft. depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 10 ft
Set Between: 38 ft. and 48 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL _____ 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 36 ft. to 48 ft.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 2 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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: 2/23/2011

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

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

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Operating Company (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28409
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-53

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	* Thickness of Stratum	Depth to Bottom of Stratum
Orange silty clay	12 ft	0 - 12 ft
Gray rock	4 ft	12 - 16 ft
Tan clayey silt	10 ft	16 - 35 ft
* Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-23983

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

9. WELL DEPTH (completed) 35 ft. Date Started: 2/22/2011 Date Completed: 2/23/2011

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

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 10 ft
Set Between: 25 ft. and 35 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL _____ 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 23 ft. to 35 ft.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 2 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy (Print) CERT. NO.: 835
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A B C D ☒ ☐ ☐ ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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Signed: _____ (Well Driller) Date: 2/23/2011
If D Level Driller, provide supervising driller's name:

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

APPENDIX C

Laboratory Data

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

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

March 14, 2011

Mr. Mark Keller
KLM Environmental
PO Box 2704
Goose Creek, SC 29445

RE: Project: CORNER STOP 28
Pace Project No.: 9288908

Dear Mr. Keller:
Enclosed are the analytical results for sample(s) received by the laboratory on March 02, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,

Kevin Herring

kevin.herring@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: CORNER STOP 28
Pace Project No.: 9288908

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357

Asheville Certification IDs
2225 Riverside Dr., Asheville, NC 28804
Connecticut Certification #: PH-0106
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
New Jersey Certification #: NC011
North Carolina Bioassay Certification #: 9
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
Pennsylvania Certification #: 68-03578
South Carolina Bioassay Certification #: 99030002
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356

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Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: CORNER STOP 28
Pace Project No.: 9288908

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9288908001	**MW-48**	Water	02/28/11 13:30	03/02/11 09:30
9288908002	**MW-49**	Water	02/28/11 12:40	03/02/11 09:30
9288908003	**MW-50**	Water	02/28/11 12:20	03/02/11 09:30
9288908004	**MW-51**	Water	02/28/11 11:45	03/02/11 09:30
9288908005	**CREEK**	Water	02/28/11 12:00	03/02/11 09:30

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SAMPLE ANALYTE COUNT

Project: CORNER STOP 28
Pace Project No.: 9288908

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9288908001	**MW-48**	EPA 8011	RES	2	PASI-C
		EPA 6010	SHB	1	PASI-A
		EPA 8260	KJM	21	PASI-C
9288908002	**MW-49**	EPA 8011	RES	2	PASI-C
		EPA 6010	SHB	1	PASI-A
		EPA 8260	KJM	21	PASI-C
9288908003	**MW-50**	EPA 8011	RES	2	PASI-C
		EPA 6010	SHB	1	PASI-A
		EPA 8260	KJM	21	PASI-C
9288908004	**MW-51**	EPA 8011	RES	2	PASI-C
		EPA 6010	SHB	1	PASI-A
		EPA 8260	KJM	21	PASI-C
9288908005	**CREEK**	EPA 8260	TLS	12	PASI-C

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Huntersville, NC 28078
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HITS ONLY

Project: CORNER STOP 28
Pace Project No.: 9288908

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
9288908001	**MW-48**					
EPA 8260	Methyl-tert-butyl ether	2.7J	ug/L	5.0	03/08/11 18:24	
9288908002	**MW-49**					
EPA 8260	Diisopropyl ether	2.4J	ug/L	5.0	03/08/11 17:11	
EPA 8260	Ethylbenzene	14.9	ug/L	5.0	03/08/11 17:11	
EPA 8260	Methyl-tert-butyl ether	57.4	ug/L	5.0	03/08/11 17:11	
EPA 8260	Naphthalene	6.1	ug/L	5.0	03/08/11 17:11	
EPA 8260	Toluene	26.6	ug/L	5.0	03/08/11 17:11	
EPA 8260	Xylene (Total)	80.1	ug/L	10.0	03/08/11 17:11	
EPA 8260	m&p-Xylene	56.3	ug/L	10.0	03/08/11 17:11	
EPA 8260	o-Xylene	23.8	ug/L	5.0	03/08/11 17:11	
9288908003	**MW-50**					
EPA 8260	Benzene	16.1J	ug/L	25.0	03/08/11 19:37	
EPA 8260	Ethylbenzene	294	ug/L	25.0	03/08/11 19:37	
EPA 8260	Methyl-tert-butyl ether	35.4	ug/L	25.0	03/08/11 19:37	
EPA 8260	Naphthalene	143	ug/L	25.0	03/08/11 19:37	
EPA 8260	Toluene	530	ug/L	25.0	03/08/11 19:37	
EPA 8260	Xylene (Total)	1390	ug/L	50.0	03/08/11 19:37	
EPA 8260	m&p-Xylene	1020	ug/L	50.0	03/08/11 19:37	
EPA 8260	o-Xylene	370	ug/L	25.0	03/08/11 19:37	
9288908004	**MW-51**					
EPA 8011	1,2-Dibromoethane (EDB)	0.38	ug/L	0.020	03/10/11 03:07	
EPA 8260	tert-Amyl Alcohol	3230	ug/L	1000	03/08/11 20:13	
EPA 8260	tert-Amylmethyl ether	120	ug/L	100	03/08/11 20:13	
EPA 8260	Benzene	2710	ug/L	500	03/09/11 14:51	
EPA 8260	Diisopropyl ether	334	ug/L	50.0	03/08/11 20:13	
EPA 8260	Ethylbenzene	2510	ug/L	500	03/09/11 14:51	
EPA 8260	Methyl-tert-butyl ether	1780	ug/L	50.0	03/08/11 20:13	
EPA 8260	Naphthalene	643	ug/L	50.0	03/08/11 20:13	
EPA 8260	Toluene	7210	ug/L	500	03/09/11 14:51	
EPA 8260	Xylene (Total)	7150	ug/L	1000	03/09/11 14:51	
EPA 8260	m&p-Xylene	3620	ug/L	100	03/08/11 20:13	
EPA 8260	o-Xylene	3530	ug/L	500	03/09/11 14:51	
9288908005	**CREEK**					
EPA 8260	Benzene	345	ug/L	50.0	03/07/11 13:00	
EPA 8260	Ethylbenzene	118	ug/L	5.0	03/05/11 08:12	
EPA 8260	Methyl-tert-butyl ether	573	ug/L	50.0	03/07/11 13:00	
EPA 8260	Naphthalene	31.8	ug/L	5.0	03/05/11 08:12	
EPA 8260	Toluene	183	ug/L	50.0	03/07/11 13:00	
EPA 8260	Xylene (Total)	191	ug/L	10.0	03/05/11 08:12	
EPA 8260	m&p-Xylene	108	ug/L	10.0	03/05/11 08:12	
EPA 8260	o-Xylene	83.0	ug/L	5.0	03/05/11 08:12	

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PROJECT NARRATIVE

Project: CORNER STOP 28
Pace Project No.: 9288908

Method: **EPA 8011**
Description: 8011 GCS EDB and DBCP
Client: KLM
Date: March 14, 2011

General Information:
4 samples were analyzed for EPA 8011. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 8011 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: CORNER STOP 28
Pace Project No.: 9288908

Method: **EPA 6010**
Description: 6010 MET ICP, Lab Filtered
Client: KLM
Date: March 14, 2011

General Information:
4 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: CORNER STOP 28
Pace Project No.: 9288908

Method: **EPA 8260**
Description: 8260 MSV
Client: KLM
Date: March 14, 2011

General Information:
1 sample was analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/14302

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 9288908005

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 573590)
  - Benzene
  - Methyl-tert-butyl ether
  - Naphthalene
  - Toluene
- MSD (Lab ID: 573591)
  - Benzene
  - Methyl-tert-butyl ether
  - Toluene

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: CORNER STOP 28
Pace Project No.: 9288908

Method: **EPA 8260**
Description: 8260 MSV
Client: KLM
Date: March 14, 2011

Analyte Comments:

QC Batch: MSV/14302

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- MS (Lab ID: 573590)
  - Benzene
  - Methyl-tert-butyl ether
  - Toluene
- MSD (Lab ID: 573591)
  - Benzene
  - Methyl-tert-butyl ether
  - Toluene

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PROJECT NARRATIVE

Project: CORNER STOP 28
Pace Project No.: 9288908

Method: **EPA 8260**
Description: 8260 MSV Oxygenates
Client: KLM
Date: March 14, 2011

General Information:
4 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/14342

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
- LCS (Lab ID: 574523)
  - Ethanol

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/14342

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 9289112009

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
- MS (Lab ID: 574524)
  - Ethanol
  - tert-Butyl Alcohol
- MSD (Lab ID: 574525)
  - Ethanol
  - tert-Butyl Alcohol

P5: The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.
- MS (Lab ID: 574524)

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PROJECT NARRATIVE

Project: CORNER STOP 28
Pace Project No.: 9288908

Method: **EPA 8260**
Description: 8260 MSV Oxygenates
Client: KLM
Date: March 14, 2011

QC Batch: MSV/14342

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 9289112009

P5: The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.

- tert-Butyl Formate
- MSD (Lab ID: 574525)
  - tert-Butyl Formate

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9288908

Sample: MW-48 **Lab ID: 9288908001** Collected: 02/28/11 13:30 Received: 03/02/11 09:30 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	03/09/11 14:45	03/10/11 00:05	106-93-4	
1-Chloro-2-bromopropane (S)	103	%	60-140		1	03/09/11 14:45	03/10/11 00:05	301-79-56	
6010 MET ICP, Lab Filtered	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead, Dissolved	ND	ug/L	5.0	4.0	1	03/10/11 19:10	03/11/11 06:54	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		03/08/11 18:24	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		03/08/11 18:24	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		03/08/11 18:24	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		03/08/11 18:24	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		03/08/11 18:24	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		03/08/11 18:24	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		03/08/11 18:24	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		03/08/11 18:24	108-20-3	
Ethanol	ND	ug/L	200	138	1		03/08/11 18:24	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		03/08/11 18:24	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		03/08/11 18:24	637-92-3	
Methyl-tert-butyl ether	**2.7J**	ug/L	5.0	1.7	1		03/08/11 18:24	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		03/08/11 18:24	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		03/08/11 18:24	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		03/08/11 18:24	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		03/08/11 18:24	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		03/08/11 18:24	95-47-6	
Dibromofluoromethane (S)	101	%	70-130		1		03/08/11 18:24	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		03/08/11 18:24	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		1		03/08/11 18:24	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		03/08/11 18:24	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9288908

Sample: MW-49 **Lab ID: 9288908002** Collected: 02/28/11 12:40 Received: 03/02/11 09:30 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	03/09/11 14:45	03/10/11 00:25	106-93-4	
1-Chloro-2-bromopropane (S)	90	%	60-140		1	03/09/11 14:45	03/10/11 00:25	301-79-56	
6010 MET ICP, Lab Filtered	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead, Dissolved	ND	ug/L	5.0	4.0	1	03/10/11 19:10	03/11/11 07:02	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		03/08/11 17:11	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		03/08/11 17:11	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		03/08/11 17:11	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		03/08/11 17:11	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		03/08/11 17:11	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		03/08/11 17:11	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		03/08/11 17:11	107-06-2	
Diisopropyl ether	**2.4J**	ug/L	5.0	1.7	1		03/08/11 17:11	108-20-3	
Ethanol	ND	ug/L	200	138	1		03/08/11 17:11	64-17-5	
Ethylbenzene	**14.9**	ug/L	5.0	1.6	1		03/08/11 17:11	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		03/08/11 17:11	637-92-3	
Methyl-tert-butyl ether	**57.4**	ug/L	5.0	1.7	1		03/08/11 17:11	1634-04-4	
Naphthalene	**6.1**	ug/L	5.0	2.0	1		03/08/11 17:11	91-20-3	
Toluene	**26.6**	ug/L	5.0	1.6	1		03/08/11 17:11	108-88-3	
Xylene (Total)	**80.1**	ug/L	10.0	2.7	1		03/08/11 17:11	1330-20-7	
m&p-Xylene	**56.3**	ug/L	10.0	3.1	1		03/08/11 17:11	179601-23-1	
o-Xylene	**23.8**	ug/L	5.0	1.6	1		03/08/11 17:11	95-47-6	
Dibromofluoromethane (S)	98	%	70-130		1		03/08/11 17:11	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		03/08/11 17:11	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		03/08/11 17:11	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		03/08/11 17:11	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9288908

Sample: MW-50 **Lab ID: 9288908003** Collected: 02/28/11 12:20 Received: 03/02/11 09:30 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	03/09/11 14:47	03/10/11 02:06	106-93-4	
1-Chloro-2-bromopropane (S)	99	%	60-140		1	03/09/11 14:47	03/10/11 02:06	301-79-56	
6010 MET ICP, Lab Filtered	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead, Dissolved	ND	ug/L	5.0	4.0	1	03/10/11 19:10	03/11/11 07:20	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	500	384	5		03/08/11 19:37	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	17.0	5		03/08/11 19:37	994-05-8	
Benzene	**16.1J**	ug/L	25.0	8.5	5		03/08/11 19:37	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	160	5		03/08/11 19:37	624-95-3	
tert-Butyl Alcohol	ND	ug/L	500	288	5		03/08/11 19:37	75-65-0	
tert-Butyl Formate	ND	ug/L	250	36.5	5		03/08/11 19:37	762-75-4	
1,2-Dichloroethane	ND	ug/L	25.0	9.0	5		03/08/11 19:37	107-06-2	
Diisopropyl ether	ND	ug/L	25.0	8.5	5		03/08/11 19:37	108-20-3	
Ethanol	ND	ug/L	1000	689	5		03/08/11 19:37	64-17-5	
Ethylbenzene	**294**	ug/L	25.0	8.0	5		03/08/11 19:37	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	18.0	5		03/08/11 19:37	637-92-3	
Methyl-tert-butyl ether	**35.4**	ug/L	25.0	8.5	5		03/08/11 19:37	1634-04-4	
Naphthalene	**143**	ug/L	25.0	10.0	5		03/08/11 19:37	91-20-3	
Toluene	**530**	ug/L	25.0	8.0	5		03/08/11 19:37	108-88-3	
Xylene (Total)	**1390**	ug/L	50.0	13.5	5		03/08/11 19:37	1330-20-7	
m&p-Xylene	**1020**	ug/L	50.0	15.5	5		03/08/11 19:37	179601-23-1	
o-Xylene	**370**	ug/L	25.0	8.0	5		03/08/11 19:37	95-47-6	
Dibromofluoromethane (S)	102	%	70-130		5		03/08/11 19:37	1868-53-7	
Toluene-d8 (S)	96	%	70-130		5		03/08/11 19:37	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		5		03/08/11 19:37	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		5		03/08/11 19:37	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9288908

Sample: MW-51 **Lab ID: 9288908004** Collected: 02/28/11 11:45 Received: 03/02/11 09:30 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)	**0.38**	ug/L	0.020	0.020	1	03/09/11 14:47	03/10/11 03:07	106-93-4	
1-Chloro-2-bromopropane (S)	115	%	60-140		1	03/09/11 14:47	03/10/11 03:07	301-79-56	
6010 MET ICP, Lab Filtered	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead, Dissolved	ND	ug/L	5.0	4.0	1	03/10/11 19:10	03/11/11 07:24	7439-92-1	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**3230**	ug/L	1000	768	10		03/08/11 20:13	75-85-4	
tert-Amylmethyl ether	**120**	ug/L	100	34.0	10		03/08/11 20:13	994-05-8	
Benzene	**2710**	ug/L	500	170	100		03/09/11 14:51	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	1000	321	10		03/08/11 20:13	624-95-3	
tert-Butyl Alcohol	ND	ug/L	1000	577	10		03/08/11 20:13	75-65-0	
tert-Butyl Formate	ND	ug/L	500	73.0	10		03/08/11 20:13	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	18.0	10		03/08/11 20:13	107-06-2	
Diisopropyl ether	**334**	ug/L	50.0	17.0	10		03/08/11 20:13	108-20-3	
Ethanol	ND	ug/L	2000	1380	10		03/08/11 20:13	64-17-5	
Ethylbenzene	**2510**	ug/L	500	160	100		03/09/11 14:51	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	100	36.0	10		03/08/11 20:13	637-92-3	
Methyl-tert-butyl ether	**1780**	ug/L	50.0	17.0	10		03/08/11 20:13	1634-04-4	
Naphthalene	**643**	ug/L	50.0	20.0	10		03/08/11 20:13	91-20-3	
Toluene	**7210**	ug/L	500	160	100		03/09/11 14:51	108-88-3	
Xylene (Total)	**7150**	ug/L	1000	270	100		03/09/11 14:51	1330-20-7	
m&p-Xylene	**3620**	ug/L	100	31.0	10		03/08/11 20:13	179601-23-1	
o-Xylene	**3530**	ug/L	500	160	100		03/09/11 14:51	95-47-6	
Dibromofluoromethane (S)	108	%	70-130		10		03/08/11 20:13	1868-53-7	
Toluene-d8 (S)	96	%	70-130		10		03/08/11 20:13	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		10		03/08/11 20:13	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		10		03/08/11 20:13	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9288908

Sample: CREEK **Lab ID: 9288908005** Collected: 02/28/11 12:00 Received: 03/02/11 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**345**	ug/L	50.0	17.0	10		03/07/11 13:00	71-43-2	
Ethylbenzene	**118**	ug/L	5.0	1.6	1		03/05/11 08:12	100-41-4	
Methyl-tert-butyl ether	**573**	ug/L	50.0	17.0	10		03/07/11 13:00	1634-04-4	
Naphthalene	**31.8**	ug/L	5.0	2.0	1		03/05/11 08:12	91-20-3	
Toluene	**183**	ug/L	50.0	16.0	10		03/07/11 13:00	108-88-3	
Xylene (Total)	**191**	ug/L	10.0	2.7	1		03/05/11 08:12	1330-20-7	
m&p-Xylene	**108**	ug/L	10.0	3.1	1		03/05/11 08:12	179601-23-1	
o-Xylene	**83.0**	ug/L	5.0	1.6	1		03/05/11 08:12	95-47-6	
4-Bromofluorobenzene (S)	105	%	70-130		1		03/05/11 08:12	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		03/05/11 08:12	1868-53-7	
1,2-Dichloroethane-d4 (S)	93	%	70-130		1		03/05/11 08:12	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		03/05/11 08:12	2037-26-5	

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9288908

QC Batch: OEXT/12899
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 9288908001, 9288908002

METHOD BLANK: 575214
Matrix: Water
Associated Lab Samples: 9288908001, 9288908002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	03/09/11 15:59	
1-Chloro-2-bromopropane (S)	%	100	60-140	03/09/11 15:59	

LABORATORY CONTROL SAMPLE & LCSD: 575215 575216

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.29	0.28	0.31	96	110	60-140	10	20	
1-Chloro-2-bromopropane (S)	%				86	103	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 575217 575218

Parameter	Units	9289108010 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	.27	.27	0.30	0.30	108	108	60-140	0	20	
1-Chloro-2-bromopropane (S)	%						103	100	60-140			

SAMPLE DUPLICATE: 575219

Parameter	Units	9289108011 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	99	96	3		

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9288908

QC Batch: OEXT/12900
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 9288908003, 9288908004

METHOD BLANK: 575223 Matrix: Water
Associated Lab Samples: 9288908003, 9288908004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	03/10/11 01:05	
1-Chloro-2-bromopropane (S)	%	98	60-140	03/10/11 01:05	

LABORATORY CONTROL SAMPLE & LCSD: 575224 575225

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.29	0.27	0.30	94	104	60-140	9	20	
1-Chloro-2-bromopropane (S)	%				90	101	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 575226 575227

Parameter	Units	9288908003 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	.28	.28	0.36	0.34	126	120	60-140	5	20	
1-Chloro-2-bromopropane (S)	%						120	116	60-140			

SAMPLE DUPLICATE: 575228

Parameter	Units	9288908004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.38	0.37	3	20	
1-Chloro-2-bromopropane (S)	%	115	111	2		

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9288908

QC Batch: MPRP/7998 — Analysis Method: EPA 6010
QC Batch Method: EPA 3010 — Analysis Description: 6010 MET Filtered
Associated Lab Samples: 9288908001, 9288908002, 9288908003, 9288908004

METHOD BLANK: 576442 — Matrix: Water
Associated Lab Samples: 9288908001, 9288908002, 9288908003, 9288908004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead, Dissolved	ug/L	ND	5.0	03/11/11 06:47	

LABORATORY CONTROL SAMPLE: 576443

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead, Dissolved	ug/L	500	461	92	80-120	

MATRIX SPIKE SAMPLE: 576444

Parameter	Units	9288908001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead, Dissolved	ug/L	ND	500	419	84	75-125	

SAMPLE DUPLICATE: 576445

Parameter	Units	9288908002 Result	Dup Result	RPD	Max RPD	Qualifiers
Lead, Dissolved	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9288908

QC Batch: MSV/14302
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV SC
Associated Lab Samples: 9288908005

METHOD BLANK: 573588
Matrix: Water
Associated Lab Samples: 9288908005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	03/05/11 00:36	
Benzene	ug/L	ND	5.0	03/05/11 00:36	
Ethylbenzene	ug/L	ND	5.0	03/05/11 00:36	
m&p-Xylene	ug/L	ND	10.0	03/05/11 00:36	
Methyl-tert-butyl ether	ug/L	ND	5.0	03/05/11 00:36	
Naphthalene	ug/L	ND	5.0	03/05/11 00:36	
o-Xylene	ug/L	ND	5.0	03/05/11 00:36	
Toluene	ug/L	ND	5.0	03/05/11 00:36	
Xylene (Total)	ug/L	ND	10.0	03/05/11 00:36	
1,2-Dichloroethane-d4 (S)	%	122	70-130	03/05/11 00:36	
4-Bromofluorobenzene (S)	%	95	70-130	03/05/11 00:36	
Dibromofluoromethane (S)	%	114	70-130	03/05/11 00:36	
Toluene-d8 (S)	%	100	70-130	03/05/11 00:36	

LABORATORY CONTROL SAMPLE: 573589

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	50.8	102	70-130	
Benzene	ug/L	50	53.5	107	70-130	
Ethylbenzene	ug/L	50	54.2	108	70-130	
m&p-Xylene	ug/L	100	110	110	70-130	
Methyl-tert-butyl ether	ug/L	50	50.0	100	70-130	
Naphthalene	ug/L	50	47.9	96	70-130	
o-Xylene	ug/L	50	51.1	102	70-130	
Toluene	ug/L	50	53.5	107	70-130	
Xylene (Total)	ug/L	150	161	107	70-130	
1,2-Dichloroethane-d4 (S)	%			92	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			95	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 573590 573591

Parameter	Units	9288908005 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	50	50	44.3	48.2	88	95	70-130	8	30	
Benzene	ug/L	345	50	50	512	545	335	400	70-130	6	30	E,M0
Ethylbenzene	ug/L	118	50	50	163	172	90	109	70-130	6	30	
m&p-Xylene	ug/L	108	100	100	207	225	99	117	70-130	8	30	
Methyl-tert-butyl ether	ug/L	573	50	50	667	714	188	283	70-130	7	30	E,M0

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9288908

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 573590 573591

Parameter	Units	9288908005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Naphthalene	ug/L	31.8	50	50	65.3	77.0	67	90	70-130	16	30	M0
o-Xylene	ug/L	83.0	50	50	128	137	89	109	70-130	7	30	
Toluene	ug/L	183	50	50	272	283	178	201	70-130	4	30	E,M0
1,2-Dichloroethane-d4 (S)	%						98	96	70-130			
4-Bromofluorobenzene (S)	%						101	100	70-130			
Dibromofluoromethane (S)	%						98	95	70-130			
Toluene-d8 (S)	%						99	99	70-130			

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9288908

QC Batch: MSV/14342 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV Oxygenates SC
Associated Lab Samples: 9288908001, 9288908002, 9288908003, 9288908004

METHOD BLANK: 574522 — Matrix: Water
Associated Lab Samples: 9288908001, 9288908002, 9288908003, 9288908004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	03/08/11 12:00	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	03/08/11 12:00	
Benzene	ug/L	ND	5.0	03/08/11 12:00	
Diisopropyl ether	ug/L	ND	5.0	03/08/11 12:00	
Ethanol	ug/L	ND	200	03/08/11 12:00	
Ethyl-tert-butyl ether	ug/L	ND	10.0	03/08/11 12:00	
Ethylbenzene	ug/L	ND	5.0	03/08/11 12:00	
m&p-Xylene	ug/L	ND	10.0	03/08/11 12:00	
Methyl-tert-butyl ether	ug/L	ND	5.0	03/08/11 12:00	
Naphthalene	ug/L	ND	5.0	03/08/11 12:00	
o-Xylene	ug/L	ND	5.0	03/08/11 12:00	
tert-Amyl Alcohol	ug/L	ND	100	03/08/11 12:00	
tert-Amylmethyl ether	ug/L	ND	10.0	03/08/11 12:00	
tert-Butyl Alcohol	ug/L	ND	100	03/08/11 12:00	
tert-Butyl Formate	ug/L	ND	50.0	03/08/11 12:00	
Toluene	ug/L	ND	5.0	03/08/11 12:00	
Xylene (Total)	ug/L	ND	10.0	03/08/11 12:00	
1,2-Dichloroethane-d4 (S)	%	101	70-130	03/08/11 12:00	
4-Bromofluorobenzene (S)	%	98	70-130	03/08/11 12:00	
Dibromofluoromethane (S)	%	104	70-130	03/08/11 12:00	
Toluene-d8 (S)	%	98	70-130	03/08/11 12:00	

LABORATORY CONTROL SAMPLE: 574523

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	1070	107	70-130	
Benzene	ug/L	50	50.3	101	70-130	
Diisopropyl ether	ug/L	50	49.6	99	70-130	
Ethanol	ug/L	2000	2800	140	70-130	L3
Ethyl-tert-butyl ether	ug/L	100	97.6	98	70-130	
Ethylbenzene	ug/L	50	48.0	96	70-130	
m&p-Xylene	ug/L	100	96.1	96	70-130	
Methyl-tert-butyl ether	ug/L	50	50.6	101	70-130	
Naphthalene	ug/L	50	56.5	113	70-130	
o-Xylene	ug/L	50	47.3	95	70-130	
tert-Amyl Alcohol	ug/L	1000	1150	115	70-130	
tert-Amylmethyl ether	ug/L	100	105	105	70-130	
tert-Butyl Alcohol	ug/L	500	621	124	70-130	
tert-Butyl Formate	ug/L	400	402	100	70-130	
Toluene	ug/L	50	50.2	100	70-130	

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9288908

LABORATORY CONTROL SAMPLE: 574523

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	143	96	70-130	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			92	70-130	
Dibromofluoromethane (S)	%			93	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 574524 574525

Parameter	Units	9289112009 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	50	50	50.5	53.3	101	107	70-130	5	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	1000	1000	938	991	94	99	70-130	6	30	
Benzene	ug/L	ND	50	50	53.5	54.0	107	108	70-130	1	30	
Diisopropyl ether	ug/L	ND	50	50	53.2	55.2	106	110	70-130	4	30	
Ethanol	ug/L	ND	2000	2000	2640	2690	132	135	70-130	2	30	M0
Ethyl-tert-butyl ether	ug/L	ND	100	100	103	109	103	109	70-130	6	30	
Ethylbenzene	ug/L	ND	50	50	50.1	54.3	100	109	70-130	8	30	
m&p-Xylene	ug/L	ND	100	100	101	108	101	108	70-130	6	30	
Methyl-tert-butyl ether	ug/L	ND	50	50	55.0	56.9	110	114	70-130	3	30	
Naphthalene	ug/L	ND	50	50	53.1	58.1	106	116	70-130	9	30	
o-Xylene	ug/L	ND	50	50	49.1	52.4	98	105	70-130	6	30	
tert-Amyl Alcohol	ug/L	ND	1000	1000	1170	1230	117	123	70-130	5	30	
tert-Amylmethyl ether	ug/L	ND	100	100	105	111	105	111	70-130	6	30	
tert-Butyl Alcohol	ug/L	ND	500	500	1150	1170	230	233	70-130	1	30	M0
tert-Butyl Formate	ug/L	ND	400	400	ND	ND	0	0	70-130		30	P5
Toluene	ug/L	ND	50	50	52.1	52.7	104	105	70-130	1	30	
1,2-Dichloroethane-d4 (S)	%						102	103	70-130			
4-Bromofluorobenzene (S)	%						95	99	70-130			
Dibromofluoromethane (S)	%						100	97	70-130			
Toluene-d8 (S)	%						97	96	70-130			

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QUALIFIERS

Project: CORNER STOP 28
Pace Project No.: 9288908

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

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

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LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P5	The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CORNER STOP 28
Pace Project No.: 9288908

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
9288908001	**MW-48**	EPA 8011	OEXT/12899	EPA 8011	GCSV/9373
9288908002	**MW-49**	EPA 8011	OEXT/12899	EPA 8011	GCSV/9373
9288908003	**MW-50**	EPA 8011	OEXT/12900	EPA 8011	GCSV/9374
9288908004	**MW-51**	EPA 8011	OEXT/12900	EPA 8011	GCSV/9374
9288908001	**MW-48**	EPA 3010	MPRP/7998	EPA 6010	ICP/7391
9288908002	**MW-49**	EPA 3010	MPRP/7998	EPA 6010	ICP/7391
9288908003	**MW-50**	EPA 3010	MPRP/7998	EPA 6010	ICP/7391
9288908004	**MW-51**	EPA 3010	MPRP/7998	EPA 6010	ICP/7391
9288908005	**CREEK**	EPA 8260	MSV/14302		
9288908001	**MW-48**	EPA 8260	MSV/14342		
9288908002	**MW-49**	EPA 8260	MSV/14342		
9288908003	**MW-50**	EPA 8260	MSV/14342		
9288908004	**MW-51**	EPA 8260	MSV/14342		

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April 01, 2011

Mr. Mark Keller
KLM Environmental
PO Box 2704
Goose Creek, SC 29445

RE: Project: CORNER STOP 28
Pace Project No.: 9290494

Dear Mr. Keller:
Enclosed are the analytical results for sample(s) received by the laboratory on March 24, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,

Kevin Herring

kevin.herring@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: CORNER STOP 28
Pace Project No.: 9290494

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357

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SAMPLE SUMMARY

Project: CORNER STOP 28
Pace Project No.: 9290494

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9290494001	**MW-52**	Water	03/22/11 10:00	03/24/11 09:45

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SAMPLE ANALYTE COUNT

Project: CORNER STOP 28
Pace Project No.: 9290494

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9290494001	**MW-52**	EPA 8011	RES	2	PASI-C
		EPA 8260	BLC	22	PASI-C

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: CORNER STOP 28
Pace Project No.: 9290494

Method: **EPA 8011**
Description: 8011 GCS EDB and DBCP
Client: KLM
Date: April 01, 2011

General Information:
1 sample was analyzed for EPA 8011. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 8011 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: CORNER STOP 28
Pace Project No.: 9290494

Method: **EPA 8260**
Description: 8260 MSV Oxygenates
Client: KLM
Date: April 01, 2011

General Information:
1 sample was analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9290494

Sample: MW-52 **Lab ID: 9290494001** Collected: 03/22/11 10:00 Received: 03/24/11 09:45 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	03/31/11 15:49	04/01/11 02:34	106-93-4	
1-Chloro-2-bromopropane (S)	97	%	60-140		1	03/31/11 15:49	04/01/11 02:34	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		03/30/11 08:39	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		03/30/11 08:39	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		03/30/11 08:39	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		03/30/11 08:39	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		03/30/11 08:39	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		03/30/11 08:39	762-75-4	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1.7	1		03/30/11 08:39	106-93-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		03/30/11 08:39	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		03/30/11 08:39	108-20-3	
Ethanol	ND	ug/L	200	138	1		03/30/11 08:39	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		03/30/11 08:39	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		03/30/11 08:39	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		03/30/11 08:39	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		03/30/11 08:39	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		03/30/11 08:39	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		03/30/11 08:39	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		03/30/11 08:39	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		03/30/11 08:39	95-47-6	
Dibromofluoromethane (S)	96	%	70-130		1		03/30/11 08:39	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		03/30/11 08:39	2037-26-5	
4-Bromofluorobenzene (S)	107	%	70-130		1		03/30/11 08:39	460-00-4	
1,2-Dichloroethane-d4 (S)	86	%	70-130		1		03/30/11 08:39	17060-07-0	

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9290494

QC Batch: OEXT/13133
QC Batch Method: EPA 8011
Associated Lab Samples: 9290494001

Analysis Method: EPA 8011
Analysis Description: GCS 8011 EDB DBCP

METHOD BLANK: 585399 Matrix: Water
Associated Lab Samples: 9290494001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	03/31/11 19:51	
1-Chloro-2-bromopropane (S)	%	109	60-140	03/31/11 19:51	

LABORATORY CONTROL SAMPLE & LCSD: 585400 585401

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.28	0.31	0.30	110	106	60-140	5	20	
1-Chloro-2-bromopropane (S)	%				101	99	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 585403 585404

Parameter	Units	9290400007 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	.28	.28	0.31	0.31	108	110	60-140	2	20	
1-Chloro-2-bromopropane (S)	%						100	102	60-140			

SAMPLE DUPLICATE: 585402

Parameter	Units	9290400005 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	98	97	0		

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9290494

QC Batch: MSV/14616
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Oxygenates SC
Associated Lab Samples: 9290494001

METHOD BLANK: 584432
Matrix: Water
Associated Lab Samples: 9290494001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	03/30/11 01:34	
1,2-Dichloroethane	ug/L	ND	5.0	03/30/11 01:34	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	03/30/11 01:34	
Benzene	ug/L	ND	5.0	03/30/11 01:34	
Diisopropyl ether	ug/L	ND	5.0	03/30/11 01:34	
Ethanol	ug/L	ND	200	03/30/11 01:34	
Ethyl-tert-butyl ether	ug/L	ND	10.0	03/30/11 01:34	
Ethylbenzene	ug/L	ND	5.0	03/30/11 01:34	
m&p-Xylene	ug/L	ND	10.0	03/30/11 01:34	
Methyl-tert-butyl ether	ug/L	ND	5.0	03/30/11 01:34	
Naphthalene	ug/L	ND	5.0	03/30/11 01:34	
o-Xylene	ug/L	ND	5.0	03/30/11 01:34	
tert-Amyl Alcohol	ug/L	ND	100	03/30/11 01:34	
tert-Amylmethyl ether	ug/L	ND	10.0	03/30/11 01:34	
tert-Butyl Alcohol	ug/L	ND	100	03/30/11 01:34	
tert-Butyl Formate	ug/L	ND	50.0	03/30/11 01:34	
Toluene	ug/L	ND	5.0	03/30/11 01:34	
Xylene (Total)	ug/L	ND	10.0	03/30/11 01:34	
1,2-Dichloroethane-d4 (S)	%	87	70-130	03/30/11 01:34	
4-Bromofluorobenzene (S)	%	105	70-130	03/30/11 01:34	
Dibromofluoromethane (S)	%	88	70-130	03/30/11 01:34	
Toluene-d8 (S)	%	99	70-130	03/30/11 01:34	

LABORATORY CONTROL SAMPLE: 584433

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	50	48.8	98	70-130	
1,2-Dichloroethane	ug/L	50	48.1	96	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	717	72	70-130	
Benzene	ug/L	50	46.4	93	70-130	
Diisopropyl ether	ug/L	50	48.9	98	70-130	
Ethanol	ug/L	2000	1910	95	70-130	
Ethyl-tert-butyl ether	ug/L	100	88.9	89	70-130	
Ethylbenzene	ug/L	50	49.1	98	70-130	
m&p-Xylene	ug/L	100	98.1	98	70-130	
Methyl-tert-butyl ether	ug/L	50	49.9	100	70-130	
Naphthalene	ug/L	50	53.4	107	70-130	
o-Xylene	ug/L	50	49.6	99	70-130	
tert-Amyl Alcohol	ug/L	1000	734	73	70-130	
tert-Amylmethyl ether	ug/L	100	96.5	96	70-130	
tert-Butyl Alcohol	ug/L	500	380	76	70-130	

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9290494

LABORATORY CONTROL SAMPLE: 584433

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butyl Formate	ug/L	400	345	86	70-130	
Toluene	ug/L	50	50.1	100	70-130	
Xylene (Total)	ug/L	150	148	98	70-130	
1,2-Dichloroethane-d4 (S)	%			92	70-130	
4-Bromofluorobenzene (S)	%			107	70-130	
Dibromofluoromethane (S)	%			93	70-130	
Toluene-d8 (S)	%			99	70-130	

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QUALIFIERS

Project: CORNER STOP 28
Pace Project No.: 9290494

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
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.
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 NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-C Pace Analytical Services - Charlotte

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CORNER STOP 28
Pace Project No.: 9290494

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
9290494001	**MW-52**	EPA 8011	OEXT/13133	EPA 8011	GCSV/9506
9290494001	**MW-52**	EPA 8260	MSV/14616		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1452319

Section A Required Client Information:

Company: KLM Env.
Address: Po Box 2704
Goose Creek SC 29445
Email To: mkeller13@comcast.net
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Mark Keller
Copy To:
Purchase Order No.:
Project Name: Corner Stop 28
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 824-3

REGULATORY AGENCY

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

Site Location STATE: SC

Section D Required Client Information

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

Requested Analysis Filtered (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)	COLLECTED Composite Start Date	Composite Start Time	Composite End/Grab Date	Composite End/Grab Time	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) BTEX/MTBE	EDB	8 OXY	12 DCA	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-52	WT	G	3/22/11			1000		4									X	X	X	X		92904940001
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature]	3/23/11	1700	Justin Moll/Jovrech	3-24-11	9:15	2.9	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

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.

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

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 2/28/11
Field Personnel M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 60 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 48

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 45 ft.
Depth to GW (DWG) 35.90 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	1.75	3.0	5.0					
Time (military)	1120	1125	1130					
Water Temp (°F)	69.1	68.5	68.7					
pH (s.u.)	5.76	5.62	5.29					
Specific Cond. (mS/cm)	.781	.791	.790					
Turbidity (*)	110	130	155					
Dissolved Oxygen	1.11	1.72	1.97					
Salinity	0	0	0					
OVA	–	–	–					

Sample Time: 1130

serverC/admin/DHECfielddatasht/doc.

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 2/28/11
Field Personnel M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 60 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 49

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 40 ft.
Depth to GW (DWG) 32.20 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	1.5	3.0	4.5					
Time (military)	1230	1235	1240					
Water Temp (°F)	68.2	68.5	68.7					
pH (s.u.)	5.91	5.94	5.99					
Specific Cond. (mS/cm)	0.719	0.655	0.650					
Turbidity (*)	214	200	225					
Dissolved Oxygen	1.33	1.67	1.54					
Salinity	0	0	0					
OVA	–	–	–					

Sample Time: 1240

serverC/admin/DHECfieldsdatasht/doc.

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 2/28/11.
Field Personnel M. Bennett and J. Boots .
General Weather Condition Cloudy.
Ambient Air Temperature 60 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 50

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 30 ft.
Depth to GW (DWG) 24.58 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	1	2	3					
Time (military)	1210	1215	1220					
Water Temp (°F)	68.2	68.2	68.1					
pH (s.u.)	5.66	5.72	5.89					
Specific Cond. (mS/cm)	0.431	0.519	0.497					
Turbidity (*)	251	219	264					
Dissolved Oxygen	2.07	2.00	2.24					
Salinity	0	0	0					
OVA	–	–	–					

Sample Time: 1220

server/C/admin/DHEC/fielddatash/doc

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 2/28/11
Field Personnel M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 60 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 51

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 40 ft.
Depth to GW (DWG) 31.00 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	1.5	3.0	4.5					
Time (military)	1135	1140	1145					
Water Temp (°F)	66.2	66.7	66.8					
pH (s.u.)	5.79	5.80	5.89					
Specific Cond. (mS/cm)	0.391	0.410	0.415					
Turbidity (*)	100	157	194					
Dissolved Oxygen	0.99	1.12	1.78					
Salinity	0	0	0					
OVA	–	–	–					

Sample Time: 1145

serverC/admin/DHECfieldatasht/doc.

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 2/28/11
Field Personnel M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 60 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 52

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 48 ft.
Depth to GW (DWG) Dry ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
Water Temp (°F)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (*)								
Dissolved Oxygen								
Salinity								
OVA								

Sample Time:

Need more time to make water

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 3/22/11
Field Personnel M. Bennett and J. Boots
General Weather Condition sunny
Ambient Air Temperature 70 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # **MW-** 52

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 48 ft.
Depth to GW (DWG) 47.62 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
Water Temp (°F)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (*)								
Dissolved Oxygen								
Salinity								
OVA								

Sample Time:

Insuff. vol for purging & readings Sampled for BTEXNM
EDB
12DCA
Boxy only

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 2/28/11
Field Personnel M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 60 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 53

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 35 ft.
Depth to GW (DWG) 26.65 - 26.79 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
Water Temp (°F)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (*)								
Dissolved Oxygen								
Salinity								
OVA								

Sample Time:

F.P. No Sample

serverC/admin/DHECfieldatasht/doc.

APPENDIX D

Disposal Manifest

US Water Recovery

Non-Hazardous Wastewater Manifest

Number:

1. Generator's EPA ID# (if applicable):

Waste ID Number:

2. Generator's Name and Mailing Address:
Corner Stop #28

Phone ( )

PO#:

3. Agent of Generator and Mailing Address:
KLM Environmental

Phone ( )

PO#:

4. Transporter Company Name:
Vacuum Recovery Tech

Phone ( )

Truck & Trailer License Number:

5. Transporter U.S. EPA ID#:

6. Facility Name and Site Address:
U S Water Recovery
435 Old Mt. Holly Rd.
Mt. Holly, SC 29445

Phone: (843) 797-8674
Fax: (843) 797-2126

Mailing Address:
U S Water Recovery
210 S. Cedar Street
Summerville, SC 29483

Phone: (843) 797-3111
Fax: (843) 797-1884

7. Facility U.S. EPA ID#:

Start Level: End Level: Total Gallons: Tank Number

8. U.S. DOT Desciption	Container No.	Container Type	Unit	Quantity
Non-Hazardous, non-regulated waste water				17 gal
Contact 814				54

9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.

Printed/Typed Name: Jason Banks Signature: Date: 4-5-11

10. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: Wayne Jeffcoat Signature: Date: 4-5-11

11. Discrepancy indication space:

12. Facility Owner or Operator: Certification of Receipt of Materials

Printed/Typed Name: David Ward Signature: Date: 4-5-11

White - Facility Yellow - Office Pink - Transporter Blue - Generator

7636

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number
2. Page 1 of
3. Emergency Response Phone
4. Waste Tracking Number

GENERATOR

5. Generator's Name and Mailing Address: Cruise Bar 262 Gridley Ln Walterboro SC 29488

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name: Express Rail

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address: ABM Walterboro, SC 29488

U.S. EPA ID Number

Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Cruise Site # 28 Drill Cuttings	3	DM			
2.	L.L. Crystal #26 Drill Cuttings	1	DM			
3.						
4.						

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Mark Keller — Signature: [signature] — Month 3 Day 30 Year 11

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Mark Keller — Signature: [signature] — Month 3 Day 30 Year 11

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Scott Stephens — Signature: [signature] — Month 4 Day 5 Year 11

169-BLS-C 5 11979 (Rev. 8/06)

TRANSPORTER #1

APPENDIX E

Historical Groundwater Elevations

TABLE 1
Historical Groundwater Data (feet)
Corner Stop #28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	GW Elevation
MW-1	5/30/07	99.42	34-54	46.11	48.03	51.39
	10/23/07			46.53	48.20	51.22
	2/27/08			47.32	48.94	--
	12/4/08			49.26	49.57	FP
	6/1/09			48.11	48.57	--
	9/28/10			44.72	48.75	FP
	2/28/11			46.40	48.53	FP
MW-2	5/30/07	98.19	45-55	-	43.38	54.81
	10/23/07			-	43.41	54.78
	2/27/08			--	43.29	54.90
	12/4/08			--	44.33	53.86
	6/1/09			--	41.06	57.13
	9/28/10			--	42.31	55.88
	2/28/11			--	44.59	53.6
MW-3	5/30/07	99.02	45-55	45.41	45.45	53.57
	10/23/07			45.62	45.64	53.38
	2/27/08			46.17	46.29	--
	12/4/08			47.53	47.55	FP
	6/1/09			--	46.60	52.42
	9/28/10			--	44.65	54.37
	2/28/11			--	46.71	52.31
MW-4	5/30/07	102.70	45-60	-	DRY	-
	10/23/07			-	Dry	Dry
	2/27/08			--	Dry	Dry
	12/4/08			DRY	DRY	DRY
	6/1/09			--	DRY	--
	9/28/10			--	48.60	54.10
	2/28/11			--	51.02	51.68
MW-5	5/30/07	99.90	35-60	-	45.74	54.16
	10/23/07			-	46.40	53.50
	2/27/08			--	47.26	52.64
	12/4/08			--	49.00	50.90
	6/1/09			--	47.92	51.98
	9/28/10			--	45.22	54.68
	2/28/11			--	47.60	52.3
MW-6	5/30/07	101.45	33-48	-	47.53	53.92
	10/23/07			-	Dry	Dry
	2/28/11			-	Dry	Dry
MW-6R	2/27/08	101.94	45-65	--	56.98	44.96
	12/4/08			--	59.27	42.67
	6/1/09			--	58.77	43.17
	9/28/10			--	53.69	48.25
	2/28/11			--	55.80	46.14

TABLE 1 CONT.
Historical Groundwater Data (feet)
Corner Stop #28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	GW Elevation
MW-7	5/30/07	101.61	35-60	53.39	54.15	47.46
	10/23/07			55.27	57.11	44.50
	2/27/08			57.52	57.63	--
	12/4/08			59.29	59.32	FP
	6/1/09			58.98	59.02	--
	9/28/10			53.83	53.84	FP
	2/28/11			56.30	56.32	FP
MW-9	5/30/07	96.71	35-60	-	37.16	59.55
	10/23/07			-	41.84	54.87
	2/27/08			--	41.92	54.79
	12/4/08			--	42.21	54.50
	6/1/09			--	36.70	60.01
	9/28/10			--	39.25	57.46
	2/28/11			--	41.90	54.81
MW-10	5/30/07	98.24	35-60	-	34.78	63.46
	10/23/07			-	34.95	63.29
	2/27/08			--	35.03	63.21
	12/4/08			--	35.00	63.24
	6/1/09			--	35.85	62.39
	9/28/10			--	34.76	63.48
	2/28/11			--	57.12	41.12
MW-11	5/30/07	100.53	30-55	49.79	53.11	47.42
	10/23/07			51.60	54.21	46.32
	2/27/08			53.41	54.45	--
	12/4/08			54.73	54.89	FP
	6/1/09			54.73	54.85	--
	9/28/10			--	50.78	49.75
	2/28/11			--	53.20	47.33
MW-12	5/30/07	97.96	33-48	-	CNL	-
	10/23/07			-	CNL	CNL
	2/27/08			--	CNL	CNL
	12/4/08			DRY	DRY	DRY
	2/28/11			DRY	DRY	DRY
MW-12R	6/1/09	99.58	50-70	--	40.62	58.96
	9/28/10			--	40.20	59.38
	2/28/11			--	42.71	56.87
MW-13	5/30/07	99.96	40-60	-	41.39	58.57
	10/23/07			-	41.28	58.68
	2/27/08			--	41.52	58.44
	12/4/08			--	43.27	56.69
	6/1/09			--	41.75	58.21
	9/28/10			--	40.15	59.81
	2/28/11			--	42.69	57.27

TABLE 1 CONT.
Historical Groundwater Data (feet)
Corner Stop #28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	GW Elevation
MW-14	5/30/07	102.92	40-60	-	50.84	52.08
	10/23/07			-	52.62	50.30
	2/27/08			--	54.30	48.62
	12/4/08			--	56.78	46.14
	6/1/09			--	56.31	46.61
	9/28/10			--	51.18	51.74
	2/28/11			--	53.48	49.44
MW-15	5/30/07	101.50	40-60	-	54.04	47.46
	10/23/07			55.84	55.85	45.65
	2/27/08			57.44	58.19	--
	12/4/08			DRY	DRY	DRY
	6/1/09			--	DRY	--
	9/28/10			54.40	54.42	FP
	2/28/11			56.60	56.62	FP
MW-15R	6/1/09	101.29	50-70	59.86	59.87	--
	9/28/10			54.12	56.80	FP
	2/28/11			56.33	56.46	FP
MW-16	5/30/07	98.68	40-60	-	50.71	47.97
	10/23/07			-	52.35	46.33
	2/27/08			--	52.65	46.03
	12/4/08			--	52.59	46.09
	6/1/09			--	50.33	48.35
	9/28/10			--	50.30	48.38
	2/28/11			--	52.96	45.72
MW-17	10/23/07	99.05	40-60	-	41.72	57.33
	2/27/08			--	41.33	57.72
	12/4/08			--	42.20	56.85
	6/1/09			--	38.80	60.25
	9/28/10			--	38.72	60.33
	2/28/11			--	41.11	57.94
MW-18	10/23/07	101.23	40-60	-	55.38	45.85
	2/27/08			55.76	55.84	--
	12/4/08			55.87	55.93	FP
	6/1/09			55.77	55.97	--
	9/28/10			54.25	54.26	FP
	2/28/11			56.29	56.30	FP
MW-19	10/23/07	102.19	40-60	-	56.62	45.57
	2/27/08			58.95	58.97	--
	12/4/08			DRY	DRY	DRY
	6/1/09			--	DRY	--
	9/28/10			--	55.08	47.11
	2/28/11			--	57.21	44.98
MW-19R	6/1/09	102.03	50-70	--	60.48	41.55
	9/28/10			--	55.59	46.44
	2/28/11			--	57.97	44.06

TABLE 1 CONT.
Historical Groundwater Data (feet)
Corner Stop #28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	GW Elevation
MW-20	10/23/07	91.47	40-60	-	50.56	40.91
	2/27/08			--	52.52	38.95
	12/4/08			--	55.01	36.46
	6/1/09			--	54.50	36.97
	9/28/10			--	48.98	42.49
	2/28/11			--	51.32	40.15
MW-21	2/27/08	100.39	45-65	--	58.70	41.69
	12/4/08			--	61.25	39.14
	6/1/09			--	60.60	39.79
	9/28/10			--	54.90	45.49
	2/28/11			--	56.99	43.4
MW-22	2/27/08	100.39	45-65	--	58.37	42.02
	12/4/08			60.57	61.25	FP
	6/1/09			59.55	60.01	--
	9/28/10			55.35	55.65	FP
	2/28/11			57.81	57.92	FP
MW-23	12/4/08	101.62	45-65	--	59.52	42.10
	6/1/09			--	59.87	41.75
	9/28/10			--	53.93	47.69
	2/28/11			--	55.90	45.72
MW-24	12/4/08	101.71	45-65	--	61.91	39.80
	6/1/09			--	58.71	43.00
	9/28/10			--	48.75	52.96
	2/28/11			--	51.01	50.7
MW-25	12/4/08	97.73	45-65	DRY	DRY	DRY
	6/1/09			--	33.76	63.97
	9/28/10			--	32.95	64.78
	2/28/11			--	35.11	62.62
MW-26	12/4/08	100.01	45-65	--	52.96	47.05
	6/1/09			--	52.14	47.87
	9/28/10			--	58.01	42.00
	2/28/11			--	60.25	39.76
MW-27	12/4/08	94.30	45-65	--	54.22	40.08
	6/1/09			--	53.42	40.88
	9/28/10			--	48.25	46.05
	2/28/11			--	50.50	43.80
MW-28	12/4/08	87.21	45-65	--	50.32	36.89
	6/1/09			--	48.57	38.64
	9/28/10			--	44.38	42.83
	2/28/11			--	46.70	40.51
MW-29	6/1/09	96.72	50-70	--	33.10	63.62
	9/28/10			--	33.00	63.72
	2/28/11			--	35.17	61.55
MW-30	6/1/09	102.10	50-70	--	50.21	51.89
	9/28/10			--	50.22	51.88
	2/28/11			--	52.68	49.42

TABLE 1 CONT.
Historical Groundwater Data (feet)
Corner Stop #28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	GW Elevation
MW-31	6/1/09	94.97	50-70	--	37.01	57.96
	9/28/10			--	38.19	56.78
	2/28/11			--	40.15	54.82
MW-32	6/1/09	86.78	50-70	--	44.40	42.38
	9/28/10			--	43.40	43.38
	2/28/11			--	45.83	40.95
MW-33	6/1/09	88.98	50-70	52.06	52.37	--
	9/28/10			46.72	47.00	FP
	2/28/11			48.79	49.08	FP
MW-34	6/1/09	90.20	50-70	--	53.79	36.41
	9/28/10			--	48.14	42.06
	2/28/11			--	50.19	40.01
MW-35	6/1/09	71.30	50-70	--	39.12	32.18
	9/28/10			--	37.70	33.60
	2/28/11			--	39.87	31.43
MW-36	6/1/09	81.34	50-70	--	50.30	31.04
	9/28/10			--	53.40	27.94
	2/28/11			--	55.62	25.72
MW-37	6/1/09	67.13	50-70	--	37.96	29.17
	9/28/10			--	43.25	23.88
	2/28/11			--	45.74	21.39
MW-38	6/1/09	72.76	50-70	--	41.90	30.86
	9/28/10			--	46.58	26.18
	2/28/11			--	48.90	23.86
MW-39	6/1/09	89.53	50-70	--	47.40	42.13
	9/28/10			--	49.61	39.92
	2/28/11			--	44.25	45.28
MW-40	6/1/09	91.41	50-70	--	53.87	37.54
	9/28/10			--	57.57	33.84
	2/28/11			--	59.81	31.60
MW-41	6/1/09	94.23	50-70	--	DRY	--
	9/28/10			--	51.58	42.65
	2/28/11			--	53.86	40.37
MW-42	6/1/09	100.92	50-70	--	55.38	45.54
	9/28/10			--	60.29	40.63
	2/28/11			--	62.37	38.55
MW-43	6/1/09	95.52	50-70	--	45.78	49.74
	9/28/10			--	51.51	44.01
	2/28/11			--	53.80	41.72
MW-44	9/28/10	63.92	30-50	--	43.93	19.99
	2/28/11			--	45.82	18.10
MW-45	9/28/10	64.00	30-50	--	40.42	23.58
	2/28/11			--	42.51	21.49
MW-46	9/28/10	55.65	30-50	--	37.76	17.89
	2/28/11			--	40.15	15.50
MW-47	9/28/10	68.64	30-50	--	41.13	27.51
	2/28/11			--	43.63	25.01

TABLE 1 CONT.
Historical Groundwater Data (feet)
Corner Stop #28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	GW Elevation
MW-48	2/28/11	68.77	35-45	--	35.90	32.87
MW-49	2/28/11	58.36	30-40	--	32.20	26.16
MW-50	2/28/11	58.69	20-30	--	24.58	34.11
MW-51	2/28/11	62.92	30-40	--	31.00	31.92
MW-52	3/22/11	60.02	38-48	--	47.62	12.40
MW-53	2/28/11	51.61	25-35	26.65	26.79	FP
T-1**	5/30/07	100.32	71-81	-	51.91	48.41
	10/23/07			-	53.40	46.92
	2/27/08			--	55.67	44.65
	12/4/08			--	56.82	43.50
	6/1/09			--	57.46	42.86
	9/28/10			--	58.10	42.22
	2/28/11			--	60.41	39.91
T-2**	10/23/07	91.86	76-81	-	51.04	40.82
	2/27/08			--	52.98	38.88
	12/4/08			--	55.46	36.40
	6/1/09			--	54.93	36.93
	9/28/10			--	49.45	42.41
	2/28/11			--	51.90	39.96
T-3**	6/1/09	95.68	85-90	--	53.52	42.16
	9/28/10			--	47.19	48.49
	2/28/11			--	49.01	46.67
T-4**	9/28/10	89.32	76-81	--	43.01	46.31
	2/28/11			--	44.85	44.47
T-5**	9/28/10	89.31	85-90	--	61.24	28.07
	2/28/11			--	63.11	26.20

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

UST DOCKET 24tech

WORSLEY COMPANY
MR MITCHELL ROSE
PO BOX 3227
WILMINGTON NC 28409-3227

MAY 17 2011

Re: Assessment Report Directive
Corner Stop 28, 717 Greenwood Ave, Ware Shoals, SC
UST Permit #05659; CA #41540; MWA # UMW-24221
Release Reported December 30, 1991
Assessment Report received April 12, 2011
Greenwood County

Dear Mr. Rose:

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Health and Environmental Control (SCDHEC) has reviewed the referenced report. The UST Management Division recognizes your commitment to continue work at this site utilizing KLM Environmental Services LLC.

Assessment activities at the site should begin immediately upon receipt of this letter. Cost agreement number 41540 has been approved in the amount shown on the enclosed cost agreement form for an AFVR event on MW-53 to remove free phase petroleum product, the installation of up to four shallow wells to define the extent of dissolved CoC, as well as a groundwater sampling event of the entire monitoring well network. One (1) monitoring well should be installed along Cork Street West as depicted on the map. The other three (3) monitoring wells should be installed south of MW-52 and MW-53 across the creek and the screens should bracket the same interval as MW-52 and MW-53. Additionally, four (4) surface water samples should be collected from the creek where CoC's were detected during the last scope of work. One (1) sample should be collected at or near the location where the surface water sample was obtained before. One (1) sample should be collected at or about 50 feet down stream of the sample where CoC's were detected in the creek. One (1) sample should be taken at or about 50 feet upstream from where the CoC's were detected in the creek on each fork of the creek. Monitoring well approval has been provided to your site rehabilitation contractor. A copy of the monitoring well approval is enclosed for your records. Please be aware that the February 1, 2006 SUPERB Allowable Costs sheet states, "If vertical and horizontal extent of chemicals of concern are not fully defined by this report, additional mobilizations may not be approved by the Department." "Any screening point converted to a permanent monitoring well will be compensated only for the installation of the permanent well at the higher well rate." **The assessment should be conducted in accordance with the Tier II Assessment guidance document and must be conducted in compliance with all applicable regulations. All shallow wells are to be installed with screen intervals that bracket the water table.** Shallow wells should have a 10-foot screen. The SUPERB Account cannot reimburse costs for any shallow well with a screen that does not properly bracket the water table.

Please note that you and/or your contractor are responsible for obtaining all off-site access agreements and/or encroachment permits necessary for this scope of work.

A groundwater sample from any private wells within 1,000 feet of the facility should be collected and analyzed for BTEX, naphthalene and MtBE. Groundwater samples from existing groundwater monitoring wells with screens that bracket the water table do not need to be purged before a sample is collected. Groundwater samples from all monitoring wells should be collected and analyzed for BTEX, naphthalene, MtBE, 1,2-DCA, EDB and 8 oxygenates. Analyses should be in accordance with *Analytical Methodology for Groundwater and Soil Assessment Guidelines* dated August 24, 2005. A copy of this publication is available on line at http://www.scdhec.gov/eqc5Canalmet.pdf.

30 days after the well installation and the AFVR event takes place the entire monitoring well network should be sampled. The AFVR and well installation activities may proceed immediately upon receipt of this letter. **Please contact the department prior to well installation for concurrence regarding the final well locations**. The AFVR report submitted at the completion of these activities should include the following:

- A narrative portion documenting the AFVR event noting site conditions, the name of the AFVR contractor, field personnel, date, time the AFVR event started and ended, ambient air temperature, and general weather conditions during the AFVR event.
- A brief description of the completed work scope and any relevant descriptions pertaining to the data tables.
- A table summarizing the airflow (in CFM) and volatile air emissions concentrations collected from the stack of the truck every thirty minutes through the duration of the event. The table shall also document which well(s) were being recovered from during that time interval.
- A table summarizing the magnehelic gauge measurements from all applicable wells on a thirty-minute time interval.
- The total volume of water recovered (gallons).
- The total volume of free phase product recovered (typically measured with a product/water interface device inserted into the top of the tanker at the completion of the event and then converted to an approximate volume).
- The total weight of petroleum removed as vapor. This is calculated based on the airflow rate and the concentration of vapor.
- A narrative portion documenting current site conditions and noting the names of field personnel, date, time, ambient air temperature, and general weather conditions during the sampling event. The report shall also contain well purging data, pH, specific conductivity, water temperature, PID readings (where applicable), levels of dissolved oxygen, and turbidity comments.
- Groundwater elevations, depth to groundwater, measurable free product thickness (where applicable), total well depth and screened interval for the specified monitoring wells associated with the site for this event and past events. Unless otherwise directed by the Program, all data shall be presented in tabular form. Groundwater laboratory analytical data for all monitoring wells for this and all previous sampling events shall also be presented in tabular format.
- A groundwater elevation contour map of the site based on current groundwater potentiometric data.
- A CoC map based on current groundwater laboratory analytical data. The groundwater data should be adjacent to the relevant monitoring well location. Data does not need to be displayed for wells with values below detection limits for all CoC.
- Boring logs and well logs (DHEC 1903) signed by a South Carolina certified well driller for the new monitoring well.
- A table documenting the free product thickness in each well before and after the recovery event.
- Manifests for any contaminated soil and/or groundwater removed from the site for treatment and/or disposal.
- Signature and seal by a professional geologist or engineer registered in the State of South Carolina.

The Assessment Report and invoice are due within 120 days from the date of this letter. The report (a signed .pdf copy on CD is preferred) submitted at the completion of these activities should include information outlined in the Tier II Guidance document to include the following:

- Revised geological cross sections that include the new shallow and deep monitoring wells.
- Boring logs and well logs (DHEC form 1903) signed by a well driller licensed in the state of South Carolina for each new well.
- A CoC map based on current groundwater laboratory analytical data. The groundwater data should be adjacent to the relevant monitoring well location.
- Groundwater elevations, depth to groundwater, measurable free product thickness (where applicable), total well depth and screened interval for all monitoring wells associated with the site, unless otherwise directed by the Program, shall be presented in tabular form. Groundwater laboratory analytical data and depth for this and all previous monitoring events for all monitoring wells shall be presented in tabular format.
- A groundwater elevation contour map of the site based on current groundwater potentiometric data.
- Manifests for any contaminated soil and/or groundwater removed from the site for treatment and/or disposal.
- Signature and seal by a professional geologist or engineer registered in the State of South Carolina.

KLM Environmental Services LLC can submit an invoice for direct payment from the State Underground Petroleum Environmental Response Bank (SUPERB) Act for preapproved costs. An interim well drilling invoice may be submitted for this scope of work. By law, the SUPERB Account cannot compensate any costs that are not pre-approved. Please note that applicable South Carolina certification requirements regarding laboratory services, well installation, and report preparation must be satisfied. According to R.61-98 Section IV.C.1 all plans, reports, invoices, and other documents relating to site rehabilitation activities which have been prepared or approved by a certified contractor shall be signed by the certified contractor and bear his certification number. 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. The UST Management Division, because of unnecessary dilution, cannot make decisions if the reporting limit of individual petroleum CoC exceeds Risk-Based Screening Levels (RBSL's). Note that the Program may deny payment for any non-detect analysis where the reporting limit exceeds the RBSL. The UST Management Division encourages the use of 'J' values as necessary so the appropriate action can be determined for a release. Beginning in 2009, the UST Management Division will begin requiring that laboratories be certified through the SCDHEC Office of Environmental Laboratory Certification for the oxygenate compounds.

The Department 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 CoC concentrations based on laboratory analysis are below RBSLs, please contact the project manager for approval to dispose of soil and/or groundwater on site. The SUPERB Account will not reimburse for transportation or treatment of soil and/or groundwater with concentrations below RBSLs.

On all correspondence regarding this site, please reference UST Permit #05659. If you have any questions concerning this correspondence, please call at (803) 896-6629. I can also be reached by email at mccormat@dhec.sc.gov or by fax at (803) 896-6245.

Sincerely,

Andrew McCormick, Hydrogeologist
Assessment Section
UST Management Division
Bureau of Land and Waste Management

enc: Approved Cost Agreement
Monitoring Well Approval
Map Showing location of new wells.

cc: KLM Environmental Services LLC, PO Box 2704, Goose Creek, SC 29445 (with enc)
Technical File (with enc)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

Monitoring Well Approval

Approval is hereby granted to:	KLM Environmental Services LLC
(On behalf of):	Worsley Company
Facility:	Corner Stop 28, 717 Greenwood Avenue, Ware Shoals, SC
UST Permit Number:	05659
County:	Greenwood

This approval is for the installation of up to four shallow groundwater monitoring wells. The monitoring wells are to be installed in the approved location. The 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 Department shall be completed and submitted to the Department within 30 days after well completion or abandonment unless another schedule has been approved by the Department. 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 Department within 30 days of receipt of laboratory results unless another schedule has been approved by the Department as required by R.61-71.H.1.d.

5. If any of the information provided to the Department changes, notification to the project manager Andrew McCormick (tel: 803-896-6629 or e-mail: mccormat@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.

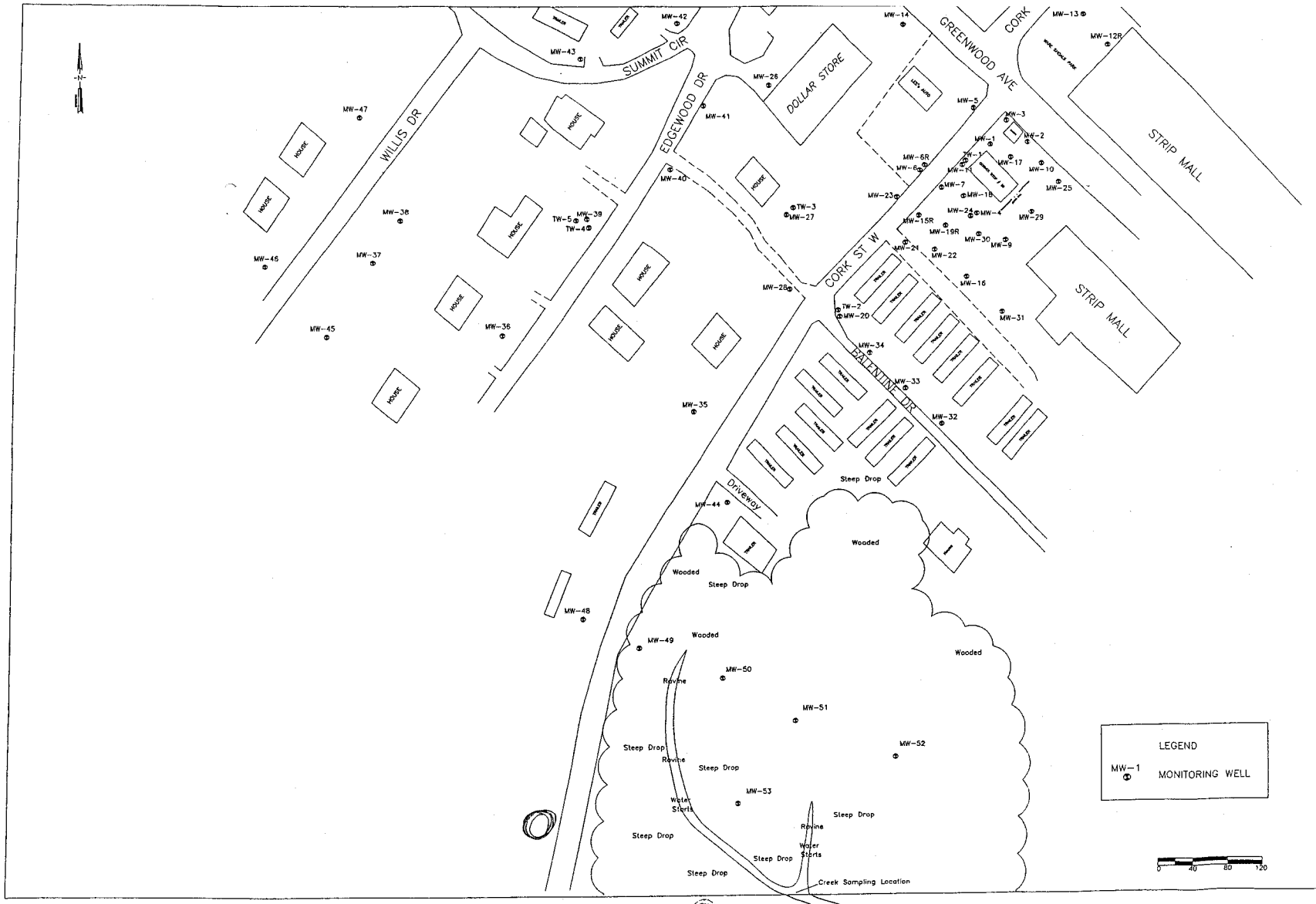
6. All temporary monitoring wells shall be abandoned within 5 days of borehole completion using appropriate methods as required by R.61-71.H.4.c. All other wells shall be properly developed per R.61-71.H.2.d.

7. Departmental approval is required prior to abandonment of all monitoring wells as required by R.61-71.H.1.a.

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

Date of Issuance: April 21, 2011 Approval #: UMW-24221

Andrew McCormick, Hydrogeologist
Assessment Section
UST Management Division
Bureau of Land and Waste Management



THESE 3 MW'S SHOULD BE ON THE SOUTH SIDE OF THE CREEK.

KLM Environmental, LLC

Phase I: Phase II: Underground Storage Tanks Soil & Water Sampling: Well Installation

FIGURE 2
SITE MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

Approved Cost Agreement 41540

Facility: 05659 CORNER STOP 28
MCCORMAT
PO Number:

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
01 PLAN						
		B	TAX MAPS	1.0000	50.00	50.00
04 MOB/DEMOB						
		A	EQUIPMENT	2.0000	575.00	1,150.00
		B	PERSONNEL	5.0000	290.00	1,450.00
09 WELL INSTALLATION						
		B	WATER TABLE (DRILLED)	120.0000	38.00	4,560.00
10 SAMPLE COLLECTION						
		A	GROUND WATER	4.0000	55.00	220.00
		D	GROUNDWATER NO-PURGE	62.0000	35.00	2,170.00
11 ANALYSES						
	GW GROUNDWATER	A	BTEX+NAPTH+MTBE	66.0000	100.00	6,600.00
		BB	1,2-DCA	66.0000	10.75	709.50
		F	EDB	66.0000	55.00	3,630.00
		P	8 OXYGENATES	66.0000	85.00	5,610.00
16 SUBSEQUENT SURVEY						
			SUBSEQUENT SURVEY	1.0000	260.00	260.00
17 DISPOSAL						
		A1	WASTEWATER - PURGING/SAMPLING	1.0000	90.00	90.00
		A2	WASTEWATER - PUMPING TEST	200.0000	0.60	120.00
		C	SOIL (TREATMENT/DISPOSAL)	2.0000	50.00	100.00
19 RPT/PROJECT MNGT & COORDINATIO						
		PCT	PERCENT	0.1500	29,999.50	4,499.93
23 EFR						
		A	8 HOUR EVENT	1.0000	3,000.00	3,000.00
		C	OFF GAS TREATMENT	8.0000	35.00	280.00
				Total Amount		34,499.43

ASSESSMENT REPORT
Corner Stop 28 (Former Fast Point 17)
Ware Shoals, South Carolina
Site ID# 05659

KLM Environmental, LLC

Phase I-Phase II-Underground Storage Tanks-Soil & Water Sampling-Well Installation

October 26th, 2011

Prepared for:

Mr. Andrew McCormick
SCDHEC BUSTM
2600 Bull Street
Columbia, SC 29201

Prepared by:

KLM Environmental, LLC
Post Office Box 2704
Goose Creek, SC 29445
(843) 870-4285 / *fax: 797-1893*
UST Contractor # 345

Project# 05094.7

SIGNATURE PAGE

This report entitled "**ASSESSMENT REPORT" for Corner Stop 28** has been prepared at the request of and for the exclusive use of the South Carolina Department of Health and Environmental Control. It has been prepared and reviewed by the undersigned.

Prepared By:

J. Micah Bennett
Hydrogeologist
KLM Environmental, LLC

Reviewed By:

Mark L. Keller, PG
President
KLM Environmental, LLC

10/26/11
Date

MARK L. KELLER
REGISTERED
No. 2311
10/26/11
SOUTH CAROLINA
PROFESSIONAL GEOLOGIST

TABLE OF CONTENTS

SECTION	DESCRIPTION	PAGE
1.0	INTRODUCTION	1
2.0	SITE DESCRIPTION	2
3.0	GROUNDWATER QUALITY	5
4.0	CONCLUSIONS	14
5.0	REFERENCES	15

LIST OF FIGURES

DESCRIPTION	FIGURE
GENERAL SITE LOCATION	1
SITE MAP	2
PIEZOMETRIC MAP	3
COC MAP	4
CROSS SECTION MAP	5
A-A' CROSS SECTION MAP	6
B-B' CROSS SECTION MAP	7

LIST OF APPENDICES

DESCRIPTION	APPENDIX
FIGURES	A
WELL CONSTRUCTION LOGS	B
LABORATORY DATA	C
DISPOSAL MANIFEST	D
HISTORICAL GROUNDWATER ELEVATIONS	E
TAX MAPS	F

LIST OF TABLES

DESCRIPTION	TABLE
GROUNDWATER ELEVATION DATA	1
SUMMARY OF ANALYTICAL DATA	2
OXYGENATE DATA	3
SUMMARY OF AUXILARY DATA	4

1.0 INTRODUCTION

The Corner Stop 28 site is located at 717 North Greenwood Ave. in Ware Shoals, South Carolina. A general site location map is provided as Figure 1 in Appendix A. Numerous assessment and sampling events have occurred at the site since the release was reported on December 31st, 1991. Due to the presence of rock in the subsurface, probing can not be utilized at this site to collect real time data for contaminant delineation. Well installations must be performed and sampled to determine the extent, which can be a multi step process.

Originally, the SCDHEC project manager requested an AFVR event to be performed on Monitoring well MW-53 and to install four new shallow wells, three of which were to be on the opposite side of the creek (south side). Due to the very steep wooded terrain in the area of the proposed wells and the fact that we would have to penetrate rock to obtain ground water, it was determined that the three monitoring well locations that were requested south of the creek were not feasible to install. Finding an off road rig capable of handling this terrain, with rock drilling capabilities is very difficult. Therefore, after discussing the options with the SCDHEC project manager, the well locations were changed. Two monitoring wells were installed along Cork Street West and the third was installed across the creek on the eastern creek bank.

The AFVR event on MW-53 was also omitted. MW-53 is located in the woods and could not be accessed with a vacuum truck to perform the event. The SCDHEC projected manager determined it was best to not conduct an AFVR event on another well and just omit the AFVR event from this scope of work. This report serves to provide the results from the recently requested well installation and comprehensive sampling event.

2.0 SITE DESCRIPTION

Currently, there are fifty-seven shallow wells and five telescoping wells located at the site. Figure 2 serves as a site map showing well locations. On September 19th, 2011 KLM Environmental, along with Cypress Bay Water Systems, LLC and AAA Drilling installed monitoring wells MW-54 through MW-56. A comprehensive sampling event was conducted following the well installation event. New well MW-55 was dry during the sampling event. The monitoring well was installed in rock and needs more time to make water which has occurred in the past at this site. Over all, water levels have remained consistent at the site since the last gauging event was performed in February, 2011. Well construction logs are presented in Appendix B. The piezometric data is provided in the following table and in Appendix A, Figure 3.

TABLE 1
Groundwater Data (feet)
Corner Stop #28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	GW Elevation
MW-1**	9/28/11	99.42	34-54	47.39	48.44	FP
MW-2	9/28/11	98.19	45-55	--	45.03	53.16
MW-3	9/28/11	99.02	45-55	--	46.52	52.50
MW-4	9/28/11	102.70	45-60	--	Dry	--
MW-5	9/28/11	99.90	35-60	--	47.37	52.53
MW-6R	9/28/11	101.94	45-65	--	56.82	45.12
MW-7**	9/28/11	101.61	35-60	57.45	57.55	FP
MW-9	9/28/11	96.71	35-60	--	41.79	54.92
MW-10	9/28/11	98.24	35-60	--	35.06	63.18
MW-11**	9/28/11	100.53	30-55	53.77	54.46	FP
MW-12R**	9/28/11	99.58	50-70	--	41.72	57.86
MW-13	9/28/11	99.96	40-60	--	42.79	57.17
MW-14	9/28/11	102.92	40-60	--	54.28	48.64
MW-15**	9/28/11	101.50	40-60	57.10	57.11	FP
MW-15R**	9/28/11	101.29	50-70	57.42	60.59	FP
MW-16	9/28/11	98.68	40-60	--	51.68	47
MW-17	9/28/11	99.05	40-60	--	40.14	58.91
MW-18**	9/28/11	101.23	40-60	55.84	55.90	45.33
MW-19	9/28/11	102.19	40-60	--	CNL	--
MW-19R	9/28/11	102.03	50-70	--	58.01	44.02
MW-20	9/28/11	91.47	40-60	--	52.48	38.99
MW-21	9/28/11	100.39	45-65	--	58.54	41.85
MW-22**	9/28/11	100.39	45-65	58.02	58.51	FP
MW-23	9/28/11	101.62	45-65	--	57.27	44.35
MW-24	9/28/11	101.71	45-65	--	48.66	53.05
MW-25**	9/28/11	97.73	45-65	--	37.74	59.99
MW-26	9/28/11	100.01	45-65	--	50.62	49.39
MW-27	9/28/11	94.30	45-65	--	51.65	42.65
MW-28	9/28/11	87.21	45-65	--	47.83	39.38
MW-29**	9/28/11	96.72	50-70	--	32.78	63.94

TABLE 1 CONT. Groundwater Data (feet) Corner Stop #28 Ware Shoals, SC						
Monitoring Well	**Date**	**TOC Elevation**	**Screened Interval**	**TOC to FP**	**TOC to GW**	**GW Elevation**
MW-30	9/28/11	102.10	50-70	--	50.22	51.88
MW-31**	9/28/11	94.97	50-70	--	38.42	56.55
MW-32**	9/28/11	86.78	50-70	--	46.33	40.45
MW-33**	9/28/11	88.98	50-70	50.36	50.78	FP
MW-34	9/28/11	90.20	50-70	--	51.79	38.41
MW-35**	9/28/11	71.30	50-70	--	38.22	33.08
MW-36	9/28/11	81.34	50-70	--	46.42	34.92
MW-37**	9/28/11	67.13	50-70	--	37.78	29.35
MW-38**	9/28/11	72.76	50-70	--	40.51	32.25
MW-39	9/28/11	89.53	50-70	--	50.04	39.49
MW-40	9/28/11	91.41	50-70	--	50.98	40.43
MW-41**	9/28/11	94.23	50-70	--	41.50	52.73
MW-42	9/28/11	100.92	50-70	--	52.89	48.03
MW-43**	9/28/11	95.52	50-70	--	43.85	51.67
MW-44	9/28/11	63.92	30-50	--	47.85	16.07
MW-45	9/28/11	64.00	30-50	--	33.77	30.23
MW-46	9/28/11	55.65	30-50	--	30.74	24.91
MW-47	9/28/11	68.64	30-50	--	35.00	33.64
MW-48	9/28/11	68.77	35-45	--	37.54	31.23
MW-49	9/28/11	58.36	30-40	--	34.29	24.07
MW-50	9/28/11	58.69	20-30	--	27.03	31.66
MW-51	9/28/11	62.92	30-40	--	32.52	30.40
MW-52**	9/28/11	60.02	38-48	--	34.77	25.25
MW-53**	9/28/11	51.61	25-35	24.97	25.81	FP
MW-54	9/28/11	59.23	40-50	--	41.60	17.63
MW-55**	9/28/11	39.76	40-50	--	Dry	--
MW-56	9/28/11	37.50	32-42	--	33.25	4.25
T-1**	9/28/11	100.32	71-81	--	54.68	45.64
T-2**	9/28/11	91.86	76-81	--	52.94	38.92
T-3**	9/28/11	95.68	85-90	--	51.65	44.03
T-4**	9/28/11	89.32	76-81	--	45.72	43.60
T-5**	9/28/11	89.31	85-90	--	54.25	35.06

**Piezometric data from wells with free product, wells with screens not bracketing the water table and telescoping wells not used to construct the piezometric map.
CNL = Could Not Locate

Depths to fluid measurements were collected relative to the top of casing for each well using a hydrocarbon interface probe capable of detecting and measuring a hydrocarbon product thickness of 0.01 foot or 1/8 inch. Groundwater elevations were then determined by subtracting depth to fluid measurements from the top of casing elevations and a piezometric contour map of the uppermost aquifer surface was developed (Appendix A, Figure 3). Free phase petroleum product was detected in monitoring wells MW-1, MW-7, MW-11, MW-15, MW-15R, MW-18, MW-22, MW-33 and MW-53 on the day sampling was performed. These wells along with the telescoping wells and any

other shallow wells where the well screen does not bracket the water table are not included in the piezometric map in Appendix A. Newly installed monitoring well MW-55 was dry during the sampling event on September 28th, 2011. This well was set at fifty feet below land surface which is more than enough depth to make water. This is the fourth time installing a well at this site over the last several well installation events in which a well has taken several weeks to make water. The creek was nearly dry during the sampling event and the only creek sample that was obtainable was from the original sampling location.

3.0 GROUNDWATER QUALITY

KLM personnel performed the comprehensive groundwater-sampling event on September 28th, 2011. Results from the past sampling events are included in the table for comparison.

TABLE 2
Summary of Analytical Data
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	EDB
RBSL	**--**	**5**	**1000**	**700**	**10000**	**40**	**25**	**0.05**
MW-1	2/28/06	NS	NS	NS	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	9/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-2	2/28/06	**3800**	**41000**	**4100**	**22500**	**1100**	**<400**	**10**
	5/30/07	**1300**	**20000**	**1900**	**12300**	**1900**	**400**	**15**
	10/23/07	**2410**	**25900**	**3340**	**18350**	**7510**	**1940**	**16.8**
	2/27/08	**2770**	**28600**	**3670**	**20000**	**4040**	**991**	**12.6**
	12/4/08	**2940**	**23400**	**2930**	**18200**	**17500**	**<1000**	**53.4**
	6/1/09	**4170**	**21400**	**2560**	**18000**	**18300**	**659**	**54.8**
	9/28/11	**3150**	**19600**	**2690**	**17100**	**8620**	**<1000**	**9.5**
MW-3	2/28/06	NS	NS	NS	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**2120**	**21000**	**3140**	**17900**	**2990**	**1030**	**9.7**
	9/28/11	**1870**	**20800**	**3530**	**23100**	**3890**	**924**	**5.2**
MW-4	2/28/06	NS	NS	NS	NS	NS	NS	NS
	5/30/07	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	10/23/07	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	9/28/11	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-5	2/28/06	**410**	150	19	270	**140**	3	<0.02
	5/30/07	**900**	820	150	640	**860**	13	**0.20**
	10/23/07	**592**	334	70.1	444	**425**	**45.4**	0.031
	2/27/08	**482**	614	25.4	1110	**557**	**34.8**	<0.02
	12/4/08	**363**	84.2	13.7	263	**831**	<25.0	**0.06**
	6/1/09	**294**	199	19.6	409	**677**	**32.5**	<0.019
	9/28/11	**112**	30.7	12.4	138	**357**	**45.5**	<0.020
MW-6	2/28/06	**450**	350	650	1450	19	<1	<0.02
	5/30/07	<5.0	14	6.4	40	<5.0	12	NS
	10/23/07	DRY	DRY	DRY	DRY	DRY	DRY	DRY

TABLE 2 CONT.
Summary of Analytical Data
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	EDB
RBSL	**--**	**5**	**1000**	**700**	**10000**	**40**	**25**	**0.05**
MW-6R	2/27/08	**4470**	**19500**	**2300**	9800	**85.9**	**351**	<0.02
	12/4/08	**95.7**	115	29.1	440	**63.3**	**57.1**	<0.02
	6/1/09	**16.1**	144	21.1	167	25.7	**128**	<0.019
	9/28/11	**8.7**	26.6	9.0	136	13.7	**31.1**	0.023
MW-7	2/28/06	NS	NS	NS	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	9/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-9	2/28/06	<1	<1	<1	<3	<1	<1	<0.02
	5/30/07	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<0.02
	10/23/07	<5.0	5.2	<5.0	<10.0	<5.0	<5.0	<0.02
	2/27/08	1.3	29.0	8.4	45.4	<5.0	8.6	<0.02
	12/4/08	1.7	22.9	6.0	33.5	2.4	<5.0	<0.019
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
	9/28/11	<5.0	2.0	<5.0	3.0	<5.0	<5.0	<0.020
MW-10	2/28/06	<1	<1	<1	<3	<1	<1	<0.02
	5/30/07	<5.0	9.5	<5.0	21.4	<5.0	6.7	<0.02
	10/23/07	<5.0	19.4	6.7	43.3	<5.0	11.7	<0.02
	2/27/08	3.7	106	34.3	215	2.1	**43.2**	<0.02
	12/4/08	2.5	32.1	7.6	47.7	6.5	7.5	0.046
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	**0.068**
MW-11	2/28/06	**12000**	**60000**	**10000**	**55000**	**37000**	**3400**	**19**
	5/30/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	9/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-12	2/28/06	**130**	7	1	94	22	1	<0.02
	5/30/07	CNL	CNL	CNL	CNL	CNL	CNL	CNL
	10/23/07	CNL	CNL	CNL	CNL	CNL	CNL	CNL
	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-12R	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
MW-13	5/30/07	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<0.02
	10/23/07	<5.0	7.4	<5.0	<10	<5.0	6.3	<0.02
	2/27/08	**6.4**	<5.0	<5.0	4.6	<5.0	3.1	<0.02
	12/4/08	4.8	83.3	24.4	134	4.1	10.1	<0.02
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020

TABLE 2 CONT.
Summary of Analytical Data
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	EDB
RBSL	**--**	**5**	**1000**	**700**	**10000**	**40**	**25**	**0.05**
MW-14	5/30/07	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<0.02
	10/23/07	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.02
	2/27/08	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.02
	12/4/08	2.6	44.3	12.7	70.0	2.7	6.4	<0.02
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
MW-15	5/30/07	**10000**	**42000**	**3400**	**29000**	**980**	**830**	**23**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	9/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-15R	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	9/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-16	5/30/07	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.02
	10/23/07	<5.0	9.3	<5.0	20.2	<5.0	5.7	<0.02
	2/27/08	1.7	30.1	8.5	44.9	<5.0	4.1	<0.02
	12/4/08	**17.9**	321	102	590	<5.0	**69.4**	0.034
	6/1/09	**10.2**	198	54.8	296	<5.0	**38.2**	<0.019
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
MW-17	10/23/07	**2610**	**7400**	**912**	6330	**9380**	**<500**	**24.6**
	2/27/08	**4810**	**15900**	**2450**	**14200**	**12200**	**764**	**37.1**
	12/4/08	**5610**	**21500**	**1630**	**14600**	**17700**	**749**	**87.5**
	6/1/09	**3210**	**15800**	**1870**	**11300**	**6040**	**<1000**	**24.7**
	9/28/11	**4260**	**20900**	**2190**	**11600**	**15200**	**528**	**46.1**
MW-18	10/23/07	**2180**	**20000**	**3410**	**19880**	**1030**	**830**	**0.88**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	9/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-19	10/23/07	**9840**	**47600**	**5260**	**27800**	**18500**	**1660**	**16.4**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	9/28/11	CNL	CNL	CNL	CNL	CNL	CNL	CNL
MW-19R	6/1/09	**4700**	**44500**	**3700**	**19500**	**2240**	**1010**	**3.1**
	9/28/11	**7170**	**32800**	**3720**	**20000**	**30900**	**719**	**11.4**
MW-20	10/23/07	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.02
	2/27/08	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.02
	12/4/08	<5.0	4.8	1.8	18.5	<5.0	3.0	<0.019
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019

TABLE 2 CONT.
Summary of Analytical Data
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	EDB
RBSL	**--**	**5**	**1000**	**700**	**10000**	**40**	**25**	**0.05**
MW-21	2/27/08	**123**	23.0	15.3	569	8.3	**53.4**	<0.02
	12/4/08	**1510**	**1870**	**1530**	**11000**	**321**	**598**	**0.53**
	6/1/09	**2650**	**3700**	**1850**	8130	**580**	**756**	**0.66**
	9/28/11	**266**	718	401	1790	**51.5**	**161**	**0.11**
MW-22	2/27/08	**9410**	**45300**	**4050**	**21000**	**12300**	**<2500**	**4.0**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	9/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-23	12/4/08	**19.3**	173	40.5	236	19.4	**40.1**	**0.083**
	6/1/09	<5.0	<5.0	<5.0	<10.0	17.9	<5.0	<0.019
	9/28/11	<5.0	3.6	<5.0	5.9	<5.0	<5.0	**0.080**
MW-24	12/4/08	1.9	65.8	40.9	573	<5.0	**90.2**	<0.019
	6/1/09	**168**	105	121	705	35.7	**49.0**	<0.020
	9/28/11	**83.6**	5.0	18.7	186	**109**	23.9	<0.020
MW-25	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/1/09	<5.0	<5.0	<5.0	6.9	<5.0	<5.0	<0.019
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
MW-26	12/4/08	**596**	33.0	25.4	179	20.5	**51.6**	**0.26**
	6/1/09	**715**	<25.0	12.5	229	25.9	**61.8**	**0.11**
	9/28/11	**667**	<25.0	<25.0	155	26.0	**53.5**	**0.14**
MW-27	12/4/08	**1620**	67.8	62.0	1000	**4800**	**125**	**0.93**
	6/1/09	**1160**	<100	<100	375	**2850**	**<100**	**0.36**
	9/28/11	<5.0	<5.0	<5.0	<10.0	23.7	4.2	<0.020
MW-28	12/4/08	**1010**	19.6	6.7	1110	**2540**	**200**	**0.48**
	6/1/09	**3940**	50.3	29.6	1410	**6750**	**358**	**0.81**
	9/28/11	**474**	<12.5	<12.5	9.9	**3090**	21.2	**0.14**
MW-29	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
	9/28/11	<5.0	5.1	<5.0	9.6	<5.0	5.7	<0.020
MW-30	6/1/09	**13.8**	11.0	7.9	196	13.2	**88.8**	<0.019
	9/28/11	**41.7**	18.1	5.5	77.0	**70.0**	**49.0**	<0.020
MW-31	6/1/09	<5.0	1.8	<5.0	3.0	<5.0	<5.0	<0.019
	9/28/11	<5.0	112	171	825	<5.0	**92.1**	<0.019
MW-32	6/1/09	<5.0	2.4	<5.0	4.9	<5.0	<5.0	<0.019
	9/28/11	<5.0	43.7	4.4	27.5	<5.0	7.9	<0.020
MW-33	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	9/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-34	6/1/09	**8570**	**45200**	**3510**	**18300**	**9560**	**665**	8.0
	9/28/11	**5120**	**38500**	**3980**	**22600**	**28200**	**1790**	**6.3**
MW-35	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
	9/28/11	<5.0	<5.0	<5.0	2.9	<5.0	<5.0	<0.020
MW-36	6/1/09	<5.0	<5.0	<5.0	<10.0	4.6	<5.0	<0.019
	9/28/11	<5.0	<5.0	<5.0	<10.0	2.0	<5.0	<0.020
MW-37	6/1/09	<5.0	<5.0	<5.0	<10.0	**247**	<5.0	<0.019
	9/28/11	<10.0	<10.0	<10.0	<20.0	**185**	<10.0	<0.020

TABLE 2 CONT.
Summary of Analytical Data
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	EDB
RBSL	**--**	**5**	**1000**	**700**	**10000**	**40**	**25**	**0.05**
MW-38	6/1/09	<5.0	<5.0	<5.0	<10.0	**319**	<5.0	<0.019
	9/28/11	<5.0	10.9	<5.0	<10.0	7.0	<5.0	<0.020
MW-39	6/1/09	<5.0	<5.0	<5.0	<10.0	12.4	<5.0	<0.019
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
MW-40	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
MW-41	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
MW-42	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
MW-43	6/1/09	<5.0	<5.0	<5.0	<10.0	12.0	<5.0	<0.019
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
MW-44	9/28/10	**83.8**	<25.0	<25.0	49.4	**593**	**43.4**	**0.15**
	9/28/11	<25.0	<25.0	<25.0	<50.0	**478**	<25.0	**0.14**
MW-45	9/28/10	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.02
	9/28/11	<5.0	<5.0	<5.0	<10.0	9.0	<5.0	<0.020
MW-46	9/28/10	<5.0	<5.0	<5.0	<10.0	11.8	<5.0	<0.019
	9/28/11	<5.0	<5.0	<5.0	<10.0	2.8	<5.0	<0.020
MW-47	9/28/10	<5.0	<5.0	<5.0	<10.0	20.6	<5.0	<0.019
	9/28/11	<5.0	<5.0	<5.0	<10.0	**52.3**	<5.0	<0.020
MW-48	2/28/11	<5.0	<5.0	<5.0	<10.0	2.7	<5.0	<0.02
	9/28/11	<5.0	<5.0	<5.0	<10.0	1.8	<5.0	<0.020
MW-49	2/28/11	<5.0	26.6	14.9	80.1	**57.4**	6.1	<0.02
	9/28/11	<5.0	<5.0	<5.0	<10.0	**44.9**	<5.0	<0.020
MW-50	2/28/11	**16.1**	530	294	1390	35.4	**143**	<0.02
	9/28/11	**24.2**	14.7	193	347	34.9	**91.8**	<0.020
MW-51	2/28/11	**2710**	**7210**	**2510**	7150	**1780**	**643**	**0.38**
	9/28/11	**4410**	**5820**	**3970**	**12300**	**270**	**517**	**0.69**
MW-52	3/22/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.02
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
MW-53	2/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	9/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-54	9/28/11	<5.0	15.0	7.6	44.0	2.7	8.5	<0.020
MW-55	9/28/11	Dry	Dry	Dry	Dry	Dry	Dry	Dry
MW-56	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
T-1	2/28/06	NS	NS	NS	NS	NS	NS	NS
	5/30/07	**41**	240	120	790	**1500**	**260**	**0.71**
	10/23/07	**<25**	44.7	<25	<50	**655**	<25	**0.10**
	2/27/08	**5.4**	28.0	3.9	21.4	**232**	21.8	<0.02
	12/4/08	3.2	64.0	24.5	128	**92.0**	7.1	<0.02
	6/1/09	**4.9**	<5.0	<5.0	5.6	**76.1**	<5.0	<0.019
	9/28/11	**14.8**	4.3	<5.0	11.0	**50.2**	<5.0	<0.020

TABLE 2 CONT.
Summary of Analytical Data
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	EDB
RBSL	**--**	**5**	**1000**	**700**	**10000**	**40**	**25**	**0.05**
T-2	10/23/07	<5.0	33.2	9.9	52.5	<5.0	6.9	<0.02
	2/27/08	<5.0	7.1	<5.0	5.3	<5.0	3.5	<0.02
	12/4/08	<5.0	1.9	<5.0	<10.0	<5.0	<5.0	<0.019
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
T-3	6/1/09	**358**	<25.0	<25.0	43.5	**985**	17.8	<0.019
	9/28/11	<25.0	<25.0	<25.0	<50.0	**687**	<25.0	**0.12**
T-4	9/28/10	<5.0	<5.0	<5.0	<10.0	4.8	<5.0	<0.02
	9/28/11	<5.0	<5.0	<5.0	<10.0	6.7	4.2	<0.020
T-5	9/28/10	<5.0	<5.0	<5.0	<10.0	2.8	<5.0	<0.02
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
Creek (SW-1)	2/28/11	**345**	183	118	191	**573**	**31.8**	NS
	9/28/11	**150**	41.2	60.6	64.5	**374**	12.0	<0.020

All results presented in the table are in ug/l unless otherwise stated. FP = Free product, NA = Not Analyzed

TABLE 3
Oxygenate Data
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	(ETBE)	(TAME)	(DIPE)	(TBA)	(TAA)	(TBF)	Ethanol	(ETBA)
RBSL	**	**47**	**128**	**150**	**1400**	**240**	**--**	**10000**	**--**
MW-1	9/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-2	9/28/11	<2000	<2000	**533**	<20000	<20000	<10000	<40000	<20000
MW-3	9/28/11	<1000	<1000	**312**	<10000	<10000	<5000	<20000	<10000
MW-4	9/28/11	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
MW-5	9/28/11	<20.0	<20.0	37.8	<200	<200	<100	<400	<200
MW-6R	9/28/11	<10.0	<10.0	10.9	102	140	<50.0	<200	<100
MW-7	9/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-9	9/28/11	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-10	9/28/11	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-11	9/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-12R	9/28/11	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-13	9/28/11	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-14	9/28/11	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-15	9/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-15R	9/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-16	9/28/11	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-17	9/28/11	<500	<500	**904**	<5000	<5000	<2500	<10000	<5000
MW-18	9/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-19	9/28/11	<2500	**1190**	**1160**	<25000	<25000	<12500	<50000	<25000
MW-20	9/28/11	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-21	9/28/11	<50.0	<50.0	<25.0	<500	<500	<250	<1000	<500
MW-22	9/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-23	9/28/11	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100

TABLE 3
Oxygenate Data Continued
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	(ETBE)	(TAME)	(DIPE)	(TBA)	(TAA)	(TBF)	Ethanol	(ETBA)
RBSL	**	**47**	**128**	**150**	**1400**	**240**	**--**	**10000**	**--**
MW-24	9/28/11	<10.0	<10.0	10.8	<100	112	<50.0	<200	<100
MW-25	9/28/11	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-26	9/28/11	<50.0	<50.0	**173**	<500	**727**	<250	<1000	<500
MW-27	9/28/11	<10.0	<10.0	11.9	<100	<100	<50.0	<200	<100
MW-28	9/28/11	<25.0	**277**	**1440**	<250	**4110**	<125	<500	<250
MW-29	9/28/11	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-30	9/28/11	<10.0	<10.0	7.1	<100	<100	<50.0	<200	<100
MW-31	9/28/11	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-32	9/28/11	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-33	9/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-34	9/28/11	<2500	<2500	**951**	<25000	<25000	<12500	<50000	<25000
MW-35	9/28/11	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-36	9/28/11	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-37	9/28/11	<20.0	<20.0	<10.0	<200	<200	<100	<400	<200
MW-38	9/28/11	<10.0	<10.0	<5.0	320	<100	<50.0	<200	<100
MW-39	9/28/11	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-40	9/28/11	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-41	9/28/11	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-42	9/28/11	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-43	9/28/11	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-44	9/28/11	<50.0	19.1	145	<500	<500	<250	<1000	<500
MW-45	9/28/11	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-46	9/28/11	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-47	9/28/11	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-48	9/28/11	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-49	9/28/11	<10.0	<10.0	3.0	<100	<100	<50.0	<200	<100
MW-50	9/28/11	<20.0	<20.0	<10.0	<200	<200	<100	<400	<200
MW-51	9/28/11	<500	<500	105	<5000	<5000	<2500	<10000	<5000
MW-52	9/28/11	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-53	9/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-54	9/28/11	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-55	9/28/11	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
MW-56	9/28/11	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
T-1	9/28/11	<10.0	<10.0	35.7	<100	<100	<50.0	<200	<100
T-2	9/28/11	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
T-3	9/28/11	<50.0	20.4	**226**	<500	<500	<250	<1000	<500
T-4	9/28/11	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
T-5	9/28/11	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
Creek	9/28/11	<10.0	20.2	34.5	98.1	191	<50.0	<200	<100

TABLE 4
Auxiliary Data
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	Lead	1,2 DCA	Ferrous Iron	Nitrate	Methane	Sulfate (mg/L)	Filtered Lead
RBSL	**--**	**15**	**5.0**	**-**	**-**	**-**	**-**	**5**
MW-1	9/28/11	NS	**FP**	NS	NS	NS	NS	NS
MW-2	9/28/11	NS	<1000	NS	NS	NS	NS	NS
MW-3	9/28/11	NS	<500	NS	NS	NS	NS	NS
MW-4	9/28/11	NS	DRY	NS	NS	NS	NS	NS
MW-5	9/28/11	NS	<10.0	NS	NS	NS	NS	NS
MW-6R	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-7	9/28/11	NS	**FP**	NS	NS	NS	NS	NS
MW-9	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-10	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-11	9/28/11	NS	**FP**	NS	NS	NS	NS	NS
MW-12R	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-13	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-14	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-15	9/28/11	NS	**FP**	NS	NS	NS	NS	NS
MW-15R	9/28/11	NS	**FP**	NS	NS	NS	NS	NS
MW-16	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-17	9/28/11	NS	<250	NS	NS	NS	NS	NS
MW-18	9/28/11	NS	**FP**	NS	NS	NS	NS	NS
MW-19R	9/28/11	NS	<1250	NS	NS	NS	NS	NS
MW-20	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-21	9/28/11	NS	<25.0	NS	NS	NS	NS	NS
MW-22	9/28/11	NS	**FP**	NS	NS	NS	NS	NS
MW-23	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-24	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-25	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-26	9/28/11	NS	**25.0**	NS	NS	NS	NS	NS
MW-27	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-28	9/28/11	NS	**68.9**	NS	NS	NS	NS	NS
MW-29	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-30	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-31	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-32	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-33	9/28/11	NS	**FP**	NS	NS	NS	NS	NS
MW-34	9/28/11	NS	<1250	NS	NS	NS	NS	NS
MW-35	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-36	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-37	9/28/11	NS	<10.0	NS	NS	NS	NS	NS
MW-38	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-39	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-40	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-41	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-42	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-43	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-44	9/28/11	NS	<25.0	NS	NS	NS	NS	NS
MW-45	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-46	9/28/11	NS	<5.0	NS	NS	NS	NS	NS

TABLE 4 CONT. **Auxiliary Data** **Corner Stop #28** **Ware Shoals, SC**								
Well #	**Date Sampled**	**Lead**	**1,2 DCA**	**Ferrous Iron**	**Nitrate**	**Methane**	**Sulfate (mg/L)**	**Filtered Lead**
RBSL	**--**	**15**	**5.0**	**-**	**-**	**-**	**-**	**5**
MW-47	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-48	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-49	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-50	9/28/11	NS	<10.0	NS	NS	NS	NS	NS
MW-51	9/28/11	NS	<250	NS	NS	NS	NS	NS
MW-52	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-53	9/28/11	NS	**FP**	NS	NS	NS	NS	NS
MW-54	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
MW-55	9/28/11	NS	Dry	NS	NS	NS	NS	NS
MW-56	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
T-1	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
T-2	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
T-3	9/28/11	NS	<25.0	NS	NS	NS	NS	NS
T-4	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
T-5	9/28/11	NS	<5.0	NS	NS	NS	NS	NS
Creek	9/28/11	NS	<5.0	NS	NS	NS	NS	NS

All results presented in the table are in ug/l unless otherwise stated. FP = Free product, NA = Not Analyzed
CNL = Could Not Locate

A minimum of three well volumes were purged from each newly installed monitoring well where sufficient water could be obtained, and any well that did not bracket the water table. Immediately after well purging was completed, groundwater samples were collected using disposable bottom entry sampling bailers, decanted into sterile glass sample containers provided by the analytical laboratory, and preserved in accordance with United States Environmental Protection Agency (USEPA) sampling protocol. Standard field parameters (pH, specific conductivity, temperature, dissolved oxygen, salinity, and turbidity) were measured and recorded for each sample during well purging and at the time of collection. Following collection in the field, the groundwater samples were submitted to the analytical laboratory and analyzed for Benzene, Toluene, Ethylbenzene, total Xylenes (BTEX), Methyl-tert Butyl Ether (MTBE), Naphthalene, EDB, 1, 2 DCA, and 8 oxygenates. A copy of the laboratory data and the chain-of-custody for the well sampling event is provided in Appendix C. A map with concentration levels for each well is provided as Figure 4 in Appendix A. A disposal manifest for the contaminated purge water is provided in Appendix D. Historical groundwater elevations are provided in Appendix E.

4.0 CONCLUSIONS

Results of the well installation and sampling event indicate contamination is currently migrating into Turkey Creek at levels well above the Risk Based Screening Levels. Turkey Creek appears to be a boundary for the contamination with none detected across the creek from the source zone. Well installation activities are difficult in the area due to the steep terrain and wooded area which makes delineation beyond what we have accomplished more costly than current SUPERB rates allow. Free phase product has been detected in monitoring wells MW-1, MW-7, MW-11, MW-15, MW-15R, MW-18, MW-22, MW-33 and MW-53. The free phase product plume is estimated at over 850 feet long and the contaminant plume is estimated at over 1200 feet long in the direction of groundwater flow and extends oddly in a western direction over 900 feet. It is suspected a release from another site may have contributed to the western distance of the plume. Results from the Turkey Creek sample show the creek has been impacted with Benzene at 150 ppb and MTBE at 374 ppb. The flow of groundwater into the creek varies with rain events at the site. At the time of this sampling, very little water flowed into the creek area so additional creek samples up stream and downstream of the original sampling point could not be obtained. Turkey Creek eventually flows into Lake Greenwood and is joined along the way from several creeks located in the water shed.

KLM recommends contacting the church and any down gradient property owners immediately concerning the contamination found in Turkey Creek. A real concern is the proximity of Turkey Creek to the playground at the church property. The name of the church is Little River Baptist Church located at 21 Fleming Street West in Ware Shoals, SC. The contact number for the church is 864-456-4499. Numerous tax maps are provided for the impacted and surrounding property owners. That information is included in Appendix F. KLM would also recommend sampling at different points along the creek during a rainy season to determine if the water shed is diluting the contamination and at what point along the creek that is occurring to a level safe enough for public contact. AFVR events should also continue at the site in an effort to remove as much free phase product as possible until corrective action is initiated at the site.

5.0 REFERENCES

KLM Environmental, LLC, *Assessment Report*, February, 2011

KLM Environmental, LLC, *Assessment Report*, October, 2010

KLM Environmental, LLC, *Monitoring Report*, June, 2009.

KLM Environmental, LLC, *Monitoring Report*, December, 2008.

KLM Environmental, LLC, *Monitoring Report*, March, 2008.

KLM Environmental, LLC, *Assessment Report*, November, 2007.

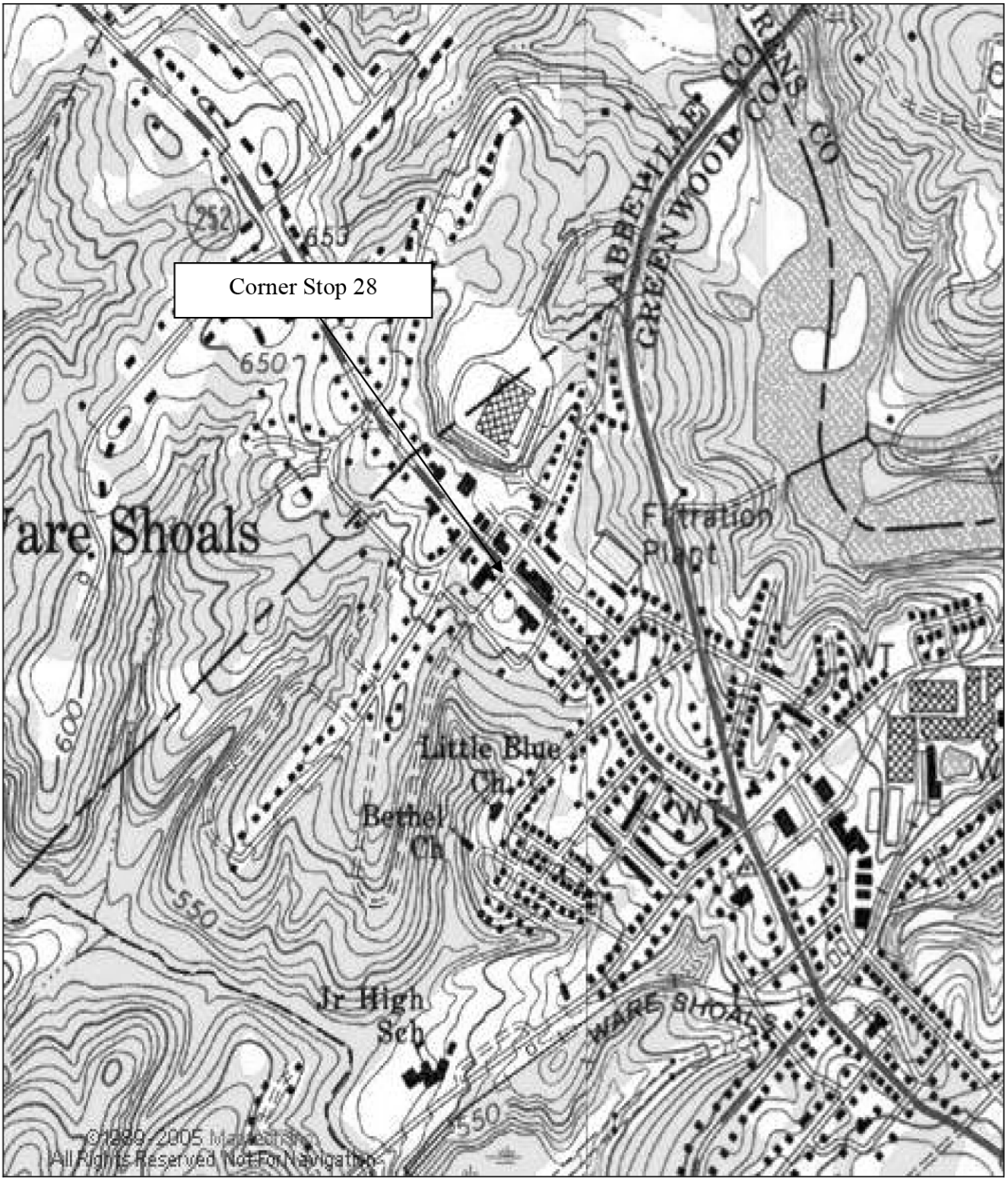
KLM Environmental, LLC, *Assessment Report*, June, 2007.

Delta Environmental, Inc., *Monitoring Report*, February 2006.

South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management Underground Storage Tank Program, *South Carolina Risk-Based Corrective Action for Petroleum Releases*, May 15, 2001.

APPENDIX A

Figures



1 inch = 480 ft

KLM Environmental, LLC

Phase I· Phase II· Underground Storage Tanks·Soil & Water Sampling· Well Installation

Figure 1
USGS Map
Corner Stop 28
Ware Shoals, SC
Project # 05094.7

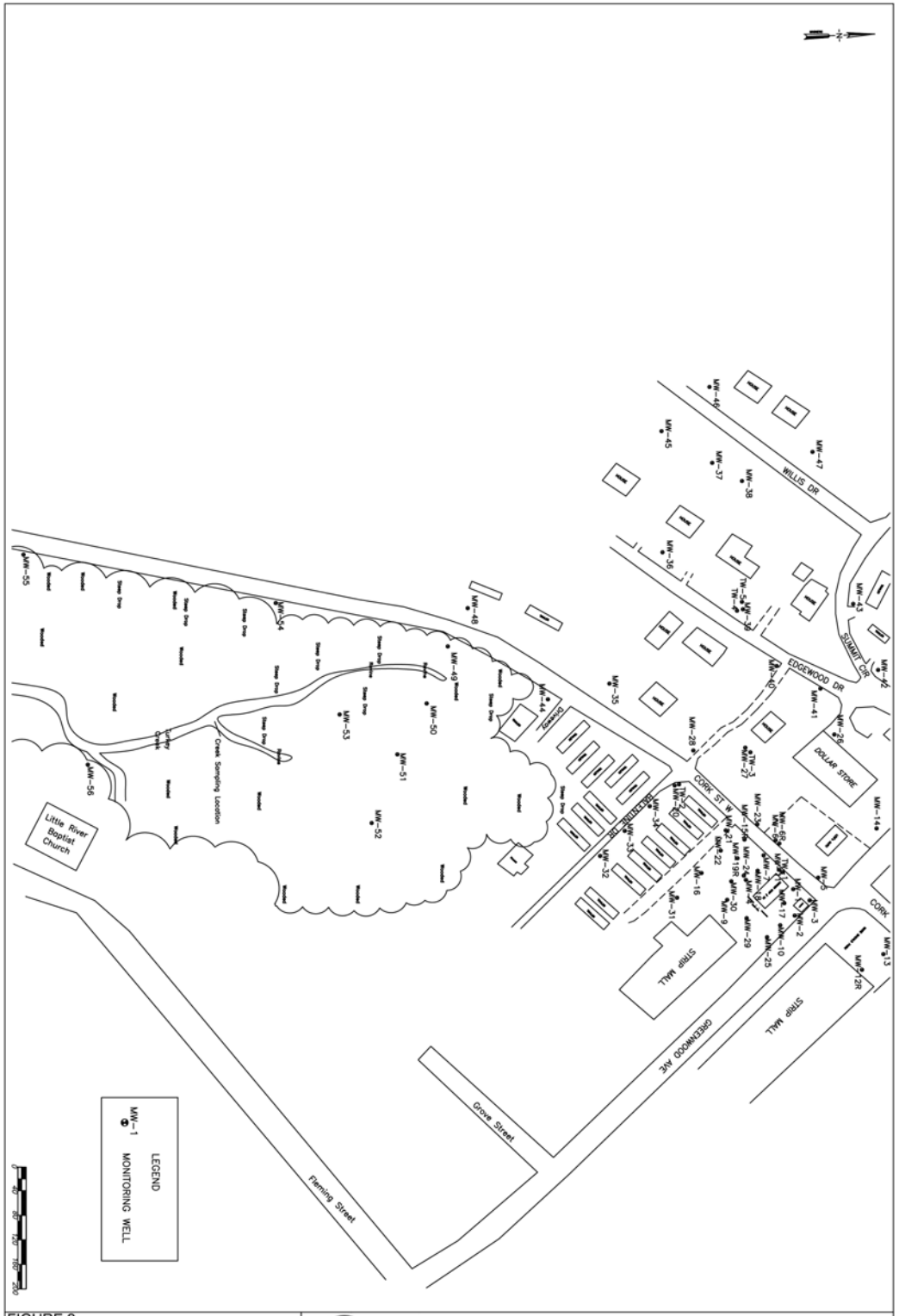


FIGURE 2
SITE MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

KLM Environmental, LLC

Phase I· Phase II· Underground Storage Tanks· Soil & Water Sampling· Well Installation

TABLE 1
Groundwater Data (feet)
Corner Stop #28
Ware Shoals, SC

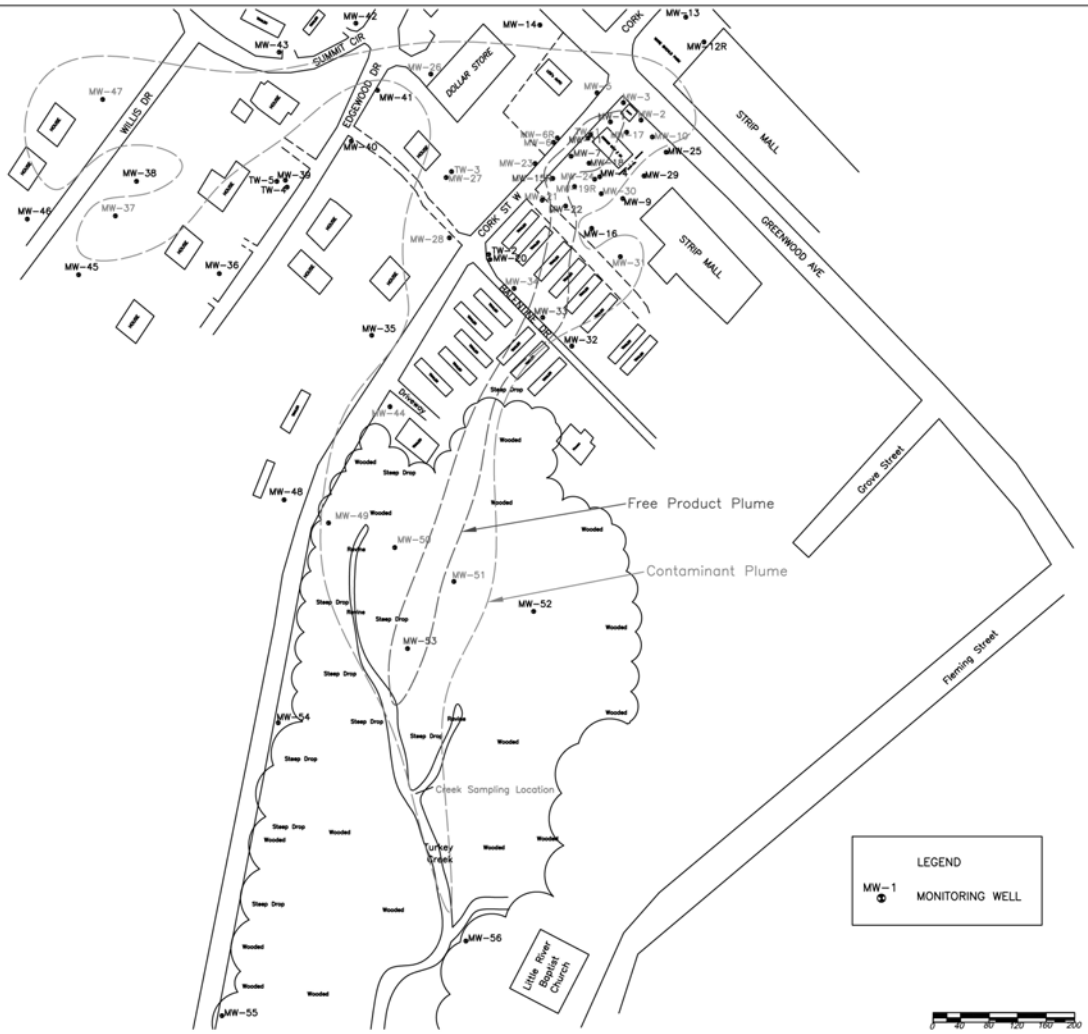
Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	GW Elevation
MW-1**	9/28/11	99.42	34-54	47.39	48.44	FP
MW-2	9/28/11	98.19	45-55	--	45.03	53.16
MW-3	9/28/11	99.02	45-55	--	46.52	52.50
MW-4	9/28/11	102.70	45-60	--	Dry	--
MW-5	9/28/11	99.90	35-60	--	47.37	52.53
MW-6R	9/28/11	101.94	45-65	--	56.82	45.12
MW-7**	9/28/11	101.61	35-60	57.45	57.55	FP
MW-9	9/28/11	96.71	35-60	--	41.79	54.92
MW-10	9/28/11	98.24	35-60	--	35.06	63.18
MW-11**	9/28/11	100.53	30-55	53.77	54.46	FP
MW-12R**	9/28/11	99.58	50-70	--	41.72	57.86
MW-13	9/28/11	99.96	40-60	--	42.79	57.17
MW-14	9/28/11	102.92	40-60	--	54.28	48.64
MW-15**	9/28/11	101.50	40-60	57.10	57.11	FP
MW-15R**	9/28/11	101.29	50-70	57.42	60.59	FP
MW-16	9/28/11	98.68	40-60	--	51.68	47
MW-17	9/28/11	99.05	40-60	--	40.14	58.91
MW-18**	9/28/11	101.23	40-60	55.84	55.90	45.33
MW-19	9/28/11	102.19	40-60	--	CNL	--
MW-19R	9/28/11	102.03	50-70	--	58.01	44.02
MW-20	9/28/11	91.47	40-60	--	52.48	38.99
MW-21	9/28/11	100.39	45-65	--	58.54	41.85
MW-22**	9/28/11	100.39	45-65	58.02	58.51	FP
MW-23	9/28/11	101.62	45-65	--	57.27	44.35
MW-24	9/28/11	101.71	45-65	--	48.66	53.05
MW-25**	9/28/11	97.73	45-65	--	37.74	59.99
MW-26	9/28/11	100.01	45-65	--	50.62	49.39
MW-27	9/28/11	94.30	45-65	--	51.65	42.65
MW-28	9/28/11	87.21	45-65	--	47.83	39.38
MW-29**	9/28/11	96.72	50-70	--	32.78	63.94
MW-30	9/28/11	102.10	50-70	--	50.22	51.88
MW-31**	9/28/11	94.97	50-70	--	38.42	56.55
MW-32**	9/28/11	86.78	50-70	--	46.33	40.45
MW-33**	9/28/11	88.98	50-70	50.36	50.78	FP
MW-34	9/28/11	90.20	50-70	--	51.79	38.41
MW-35**	9/28/11	71.30	50-70	--	38.22	33.08
MW-36	9/28/11	81.34	50-70	--	46.42	34.92
MW-37**	9/28/11	67.13	50-70	--	37.78	29.35
MW-38**	9/28/11	72.76	50-70	--	40.51	32.25
MW-39	9/28/11	89.53	50-70	--	50.04	39.49
MW-40	9/28/11	91.41	50-70	--	50.98	40.43
MW-41**	9/28/11	94.23	50-70	--	41.50	52.73
MW-42	9/28/11	100.92	50-70	--	52.89	48.03
MW-43**	9/28/11	95.52	50-70	--	43.85	51.67
MW-44	9/28/11	63.92	30-50	--	47.85	16.07
MW-45	9/28/11	64.00	30-50	--	33.77	30.23
MW-46	9/28/11	55.65	30-50	--	30.74	24.91
MW-47	9/28/11	68.64	30-50	--	35.00	33.64
MW-48	9/28/11	68.77	35-45	--	37.54	31.23
MW-49	9/28/11	58.36	30-40	--	34.29	24.07
MW-50	9/28/11	58.69	20-30	--	27.03	31.66
MW-51	9/28/11	62.92	30-40	--	32.52	30.40
MW-52**	9/28/11	60.02	38-48	--	34.77	25.25
MW-53**	9/28/11	51.61	25-35	24.97	25.81	FP
MW-54	9/28/11	59.23	40-50	--	41.60	17.63
MW-55**	9/28/11	39.76	40-50	--	Dry	--
MW-56	9/28/11	37.50	32-42	--	33.25	4.25
T-1**	9/28/11	100.32	71-81	--	54.68	45.64
T-2**	9/28/11	91.86	76-81	--	52.94	38.92
T-3**	9/28/11	95.68	85-90	--	51.65	44.03
T-4**	9/28/11	89.32	76-81	--	45.72	43.60
T-5**	9/28/11	89.31	85-90	--	54.25	35.06

KLM Environmental, LLC
Phase I Phase II Underground Storage Tanks Soil & Water Sampling Well Installation

FIGURE 3
PIEZOMETRIC MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

TABLE 2
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	EDB
RBSL	--	5	1000	700	10000	40	25	0.05
MW-1	9/28/11	FP	FP	FP	FP	FP	FP	FP
MW-2	9/28/11	3150	19600	2690	17100	8620	<1000	9.5
MW-3	9/28/11	1870	20800	3530	23100	3890	924	5.2
MW-4	9/28/11	Dry	Dry	Dry	Dry	Dry	Dry	Dry
MW-5	9/28/11	112	30.7	12.4	136	357	45.5	<0.020
MW-6R	9/28/11	8.7	26.6	9.0	136	13.7	31.1	0.023
MW-7	9/28/11	FP	FP	FP	FP	FP	FP	FP
MW-9	9/28/11	<5.0	2.0	<5.0	3.0	<5.0	<5.0	<0.020
MW-10	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	0.068
MW-11	9/28/11	FP	FP	FP	FP	FP	FP	FP
MW-12R	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
MW-13	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
MW-14	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
MW-15	9/28/11	FP	FP	FP	FP	FP	FP	FP
MW-15R	9/28/11	FP	FP	FP	FP	FP	FP	FP
MW-16	9/28/11	<5.0	1.8	<5.0	3.0	<5.0	<5.0	<0.020
MW-17	9/28/11	4260	20900	2190	11600	15200	528	46.1
MW-18	9/28/11	FP	FP	FP	FP	FP	FP	FP
MW-19R	9/28/11	7170	32800	3720	20000	30900	719	11.4
MW-20	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.019
MW-21	9/28/11	286	718	401	1790	51.5	161	0.11
MW-22	9/28/11	FP	FP	FP	FP	FP	FP	FP
MW-23	9/28/11	<5.0	3.6	<5.0	5.9	<5.0	<5.0	0.080
MW-24	9/28/11	83.6	5.0	18.7	186	109	23.9	<0.020
MW-25	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
MW-26	9/28/11	667	<25.0	<25.0	155	26.0	53.5	0.14
MW-27	9/28/11	<5.0	<5.0	<5.0	<10.0	23.7	4.2	<0.020
MW-28	9/28/11	474	<12.5	<12.5	9.9	3090	21.2	0.14
MW-29	9/28/11	<5.0	5.1	<5.0	9.6	<5.0	5.7	<0.020
MW-30	9/28/11	41.7	18.1	5.5	77.0	70.0	49.0	<0.020
MW-31	9/28/11	<5.0	112	171	825	<5.0	92.1	<0.019
MW-32	9/28/11	<5.0	43.7	4.4	27.5	<5.0	7.9	<0.020
MW-33	9/28/11	FP	FP	FP	FP	FP	FP	FP
MW-34	9/28/11	5120	38500	3980	22600	28200	1790	6.3
MW-35	9/28/11	<5.0	<5.0	<5.0	2.9	<5.0	<5.0	<0.020
MW-36	9/28/11	<5.0	<5.0	<5.0	<10.0	2.0	<5.0	<0.020
MW-37	9/28/11	<10.0	<10.0	<10.0	<20.0	1.85	<10.0	<0.020
MW-38	9/28/11	<5.0	10.9	<5.0	<10.0	7.0	<5.0	<0.020
MW-39	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
MW-40	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
MW-41	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
MW-42	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
MW-43	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
MW-44	9/28/11	<25.0	<25.0	<25.0	<50.0	478	<25.0	0.14
MW-45	9/28/11	<5.0	<5.0	<5.0	<10.0	9.0	<5.0	<0.020
MW-46	9/28/11	<5.0	<5.0	<5.0	<10.0	2.8	<5.0	<0.020
MW-47	9/28/11	<5.0	<5.0	<5.0	<10.0	52.3	<5.0	<0.020
MW-48	9/28/11	<5.0	<5.0	<5.0	<10.0	1.8	<5.0	<0.020
MW-49	9/28/11	<5.0	<5.0	<5.0	<10.0	44.9	<5.0	<0.020
MW-50	9/28/11	24.2	14.7	193	347	34.9	91.8	<0.020
MW-51	9/28/11	4410	5820	3970	12300	270	517	0.69
MW-52	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
MW-53	9/28/11	FP	FP	FP	FP	FP	FP	FP
MW-54	9/28/11	<5.0	15.0	7.6	44.0	2.7	8.5	<0.020
MW-55	9/28/11	Dry	Dry	Dry	Dry	Dry	Dry	Dry
MW-56	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
T-1	9/28/11	14.8	4.3	<5.0	11.0	50.2	<5.0	<0.020
T-2	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
T-3	9/28/11	<25.0	<25.0	<25.0	<50.0	687	<25.0	0.12
T-4	9/28/11	<5.0	<5.0	<5.0	<10.0	6.7	4.2	<0.020
T-5	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<0.020
Creek	9/28/11	150	41.2	60.6	64.5	374	12.0	<0.020



KLM Environmental, LLC

Phase I-Phase II Underground Storage Tanks Soil & Water Sampling Well Installation

FIGURE 4
COC MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

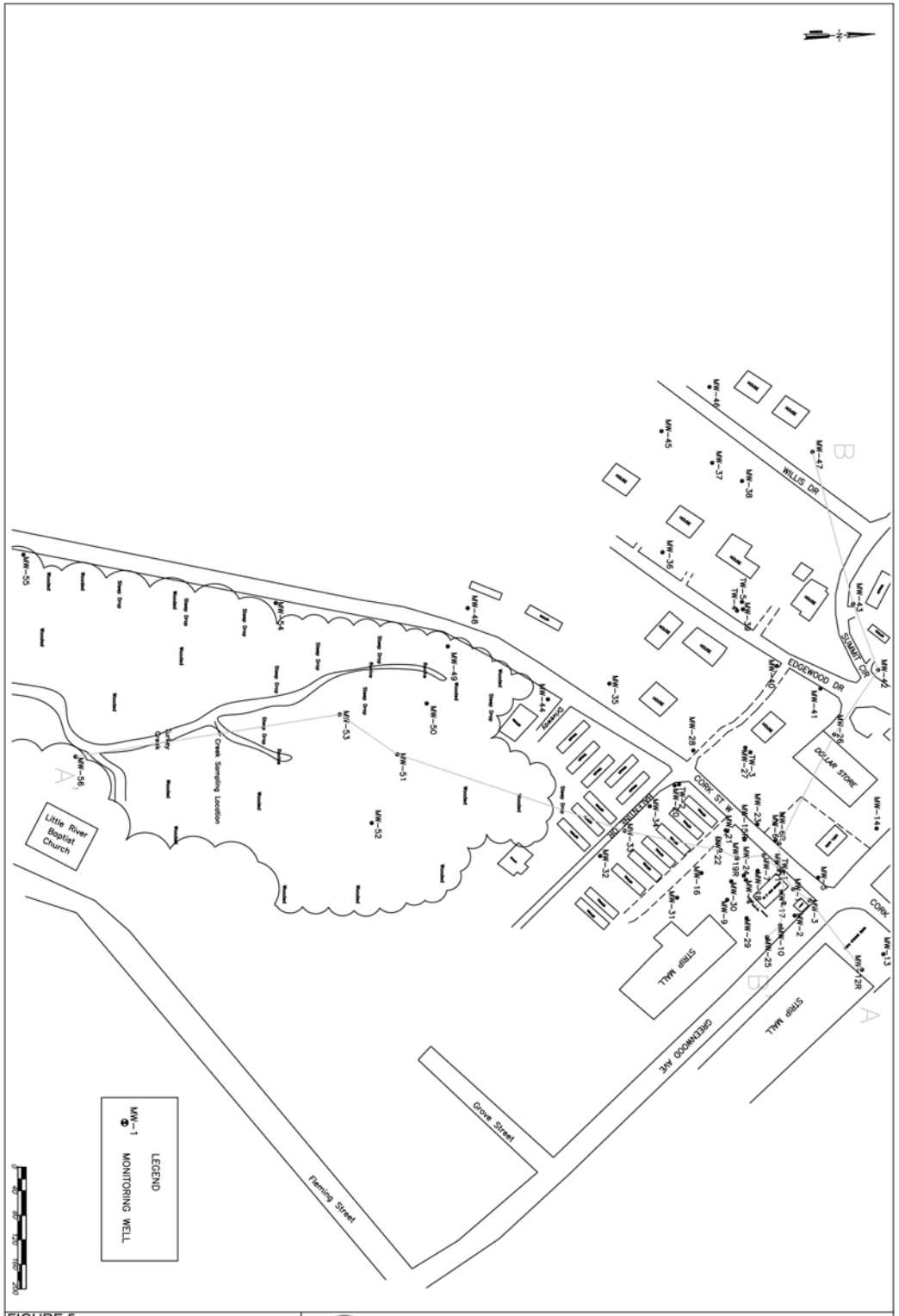
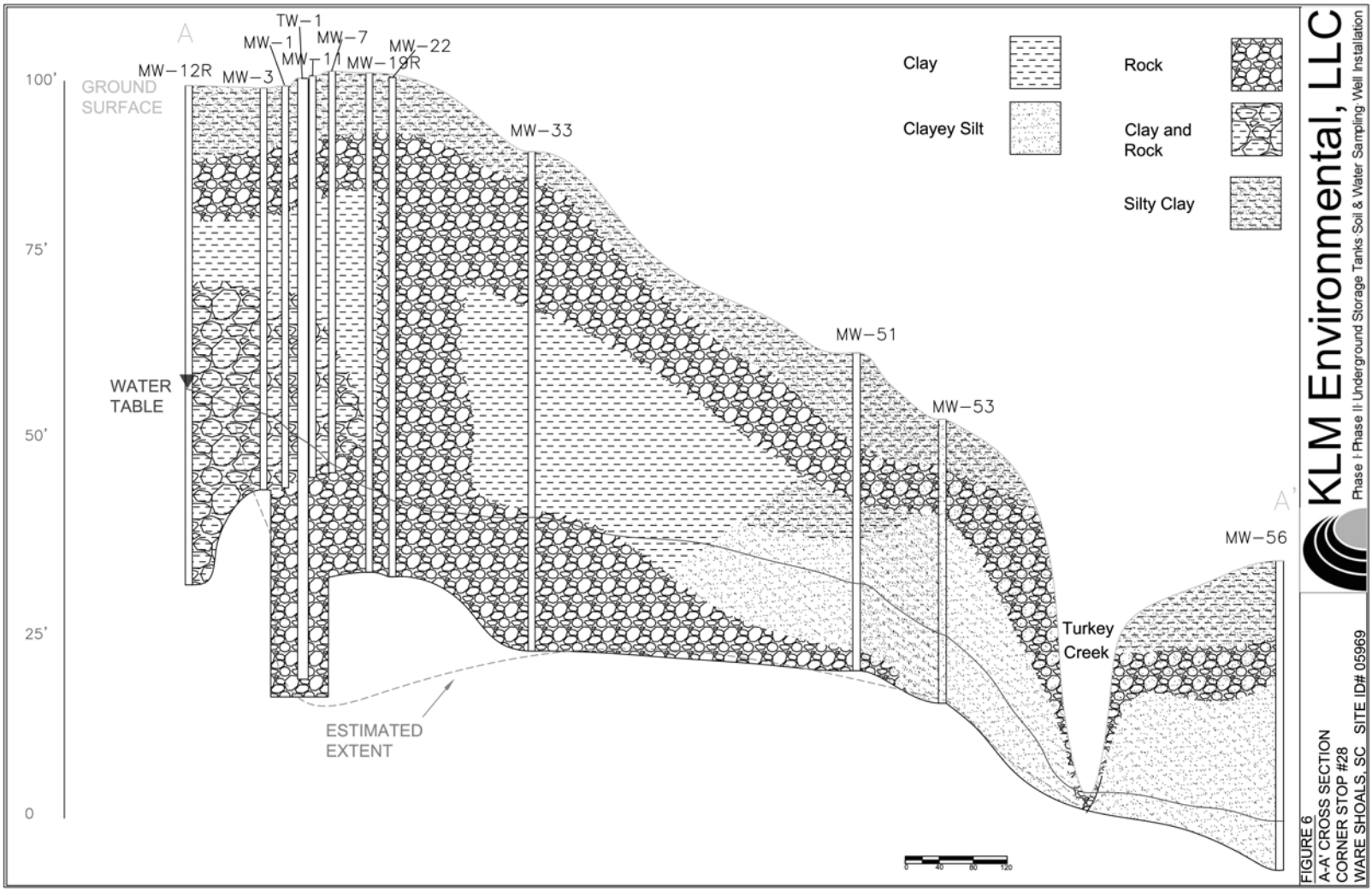


FIGURE 5
CROSS SECTION MAP
CORNER STOP #28
WARE SHOALS SC SITE # 05659

KLM Environmental, LLC

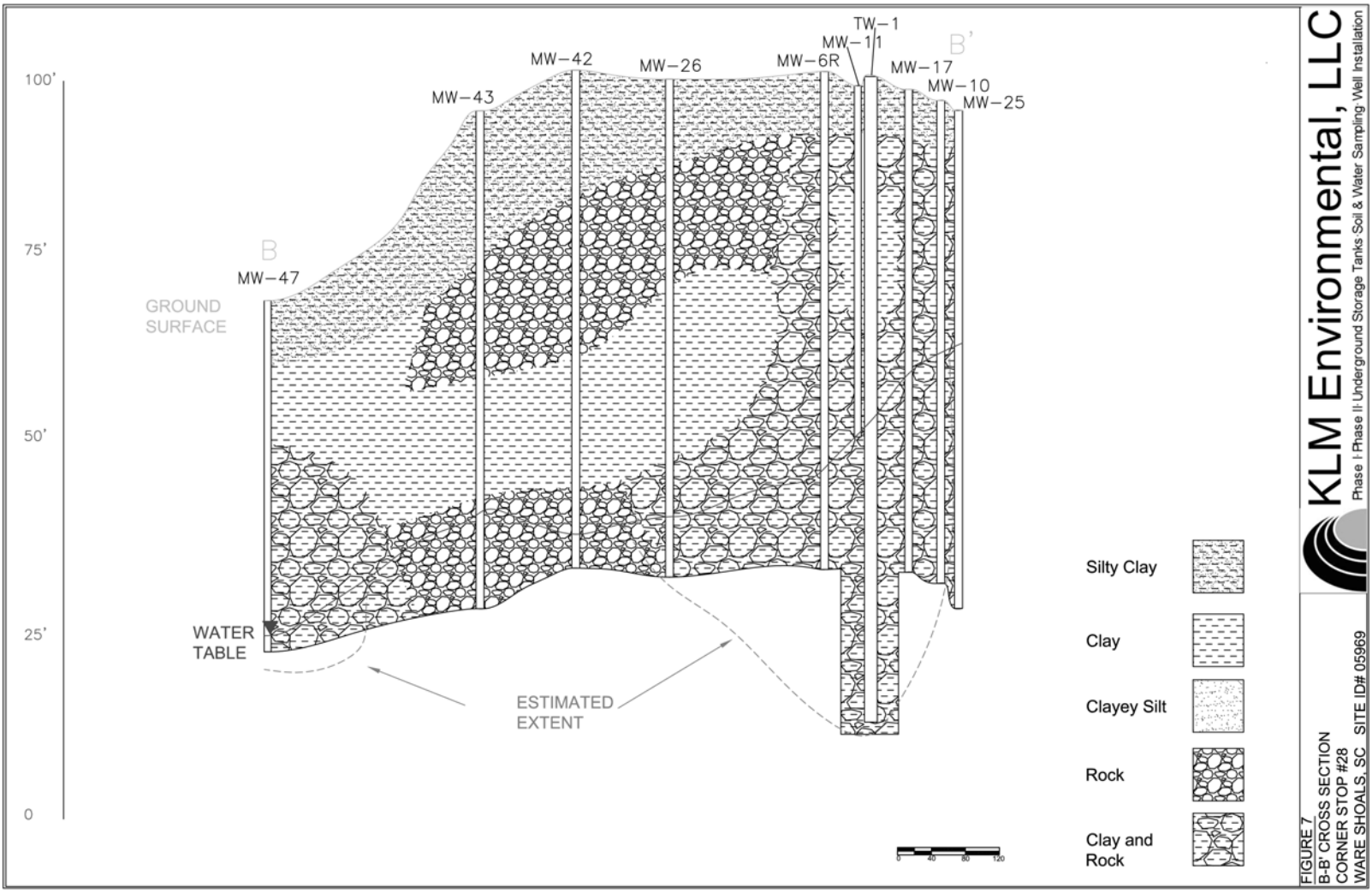
Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation



KLM Environmental, LLC

Phase I-Phase II-Underground Storage Tanks-Soil & Water Sampling-Well Installation

FIGURE 6
A-A' CROSS SECTION
CORNER STOP #28
WARE SHOALS, SC SITE ID# 05969


100'
75'
50'
25'
0
B
B'
MW-47
MW-43
MW-42
MW-26
MW-6R
MW-11
TW-1
MW-17
MW-10
MW-25
GROUND SURFACE
WATER TABLE
ESTIMATED EXTENT
Silty Clay
Clay
Clayey Silt
Rock
Clay and Rock
0
40
80
120
KLM Environmental, LLC
Phase I-Phase II-Underground Storage Tanks-Soil & Water Sampling-Well Installation
FIGURE 7
B-B' CROSS SECTION
CORNER STOP #28
WARE SHOALS, SC SITE ID# 05969

APPENDIX B

Well Construction Logs

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Operating Company (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28409
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-54

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Orange silty clay	18 ft	0 - 18 ft
Tan clayey silt	4 ft	18 - 22 ft
Gray rock	3 ft	22 - 25 ft
Tan clayey silt	13 ft	25 - 38 ft
Gray rock	5 ft	38 - 43 ft
Tan clayey silt	7 ft	43-50 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-24221

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

9. WELL DEPTH (completed) 50 ft. Date Started: 9/19/2011 Date Completed: 9/19/2011

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 40 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 10 ft
Set Between: 40 ft. and 50 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL _____ 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 38 ft. to 50 lt.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 10 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 9/19/2011
Well Driller

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

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

DHEC — PROMOTE PROTECT PROSPER — South Carolina Department of Health and Environmental Control

1. WELL OWNER INFORMATION:
Name: Worsley Operating Company (last) _____ (first)
Address: PO Box 3227
City: Wilmington State: NC Zip: 28409
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-55

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Orange silty clay	18 ft	0 - 18 ft
Tan clayey silt	4 ft	18 - 22 ft
Gray rock	3 ft	22 - 25 ft
Tan clayey silt	15 ft	25 - 40 ft
Gray rock	5 ft	40 - 50 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-24221

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

9. WELL DEPTH (completed) 50 ft. Date Started: 9/19/2011 Date Completed: 9/19/2011

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 40 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 10 ft
Set Between: 40 ft. and 50 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL _____ 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 38 ft. to 50 lt.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 10 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 9/19/2011
Well Driller

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

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

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Name: Corner Stop 28
Street Address: 717 Greenwood Ave.
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-56

4. ABANDONIMENT: ☐ Yes ☒ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
Orange silty clay	13 ft	0 - 13 ft
Gray rock	12 ft	13 - 25 ft
Orange clayey silt	17 ft	25 - 42 ft
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-24221

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

9. WELL DEPTH (completed) 42 ft. Date Started: 9/19/2011 Date Completed: 9/19/2011

10. CASING: ☒ Threaded ☐ Welded
Diam.: _____
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 32 ft. depth
_____ in. to _____ ft, depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft,
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 10 ft
Set Between: 32 ft. and 42 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL _____ 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 30 ft. to 42 lt.
Effective size # 2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 5 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 9/19/2011
Well Driller

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

APPENDIX C

Laboratory Data

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(704)875-9092

October 17, 2011

Mr. Mark Keller
KLM Environmental
PO Box 2704
Goose Creek, SC 29445

RE: Project: CORNER STOP 28
Pace Project No.: 92103472

Dear Mr. Keller:
Enclosed are the analytical results for sample(s) received by the laboratory on September 30, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,

Kevin Herring

kevin.herring@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: CORNER STOP 28
Pace Project No.: 92103472

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Drinking Water Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460144

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SAMPLE SUMMARY

Project: CORNER STOP 28
Pace Project No.: 92103472

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92103472001	**MW-2**	Water	09/28/11 10:00	09/30/11 09:30
92103472002	**MW-3**	Water	09/28/11 10:10	09/30/11 09:30
92103472003	**MW-5**	Water	09/28/11 10:30	09/30/11 09:30
92103472004	**MW-6R**	Water	09/28/11 10:40	09/30/11 09:30
92103472005	**MW-9**	Water	09/28/11 10:50	09/30/11 09:30
92103472006	**MW-10**	Water	09/28/11 11:00	09/30/11 09:30
92103472007	**MW-12R**	Water	09/28/11 11:20	09/30/11 09:30
92103472008	**MW-13**	Water	09/28/11 11:30	09/30/11 09:30
92103472009	**MW-14**	Water	09/28/11 11:40	09/30/11 09:30
92103472010	**MW-16**	Water	09/28/11 11:50	09/30/11 09:30
92103472011	**MW-17**	Water	09/28/11 12:00	09/30/11 09:30
92103472012	**MW-19R**	Water	09/28/11 12:20	09/30/11 09:30
92103472013	**MW-20**	Water	09/28/11 12:30	09/30/11 09:30
92103472014	**MW-21**	Water	09/28/11 12:40	09/30/11 09:30
92103472015	**MW-23**	Water	09/28/11 12:50	09/30/11 09:30
92103472016	**MW-24**	Water	09/28/11 13:00	09/30/11 09:30
92103472017	**MW-25**	Water	09/28/11 13:10	09/30/11 09:30
92103472018	**MW-26**	Water	09/28/11 13:20	09/30/11 09:30
92103472019	**MW-27**	Water	09/28/11 13:30	09/30/11 09:30
92103472020	**MW-28**	Water	09/28/11 13:40	09/30/11 09:30
92103472021	**MW-29**	Water	09/28/11 13:50	09/30/11 09:30
92103472022	**MW-30**	Water	09/28/11 14:00	09/30/11 09:30
92103472023	**MW-31**	Water	09/28/11 14:10	09/30/11 09:30
92103472024	**MW-32**	Water	09/28/11 14:20	09/30/11 09:30
92103472025	**MW-34**	Water	09/28/11 14:30	09/30/11 09:30
92103472026	**MW-35**	Water	09/28/11 14:40	09/30/11 09:30
92103472027	**MW-36**	Water	09/28/11 14:50	09/30/11 09:30
92103472028	**MW-37**	Water	09/28/11 15:00	09/30/11 09:30
92103472029	**MW-38**	Water	09/28/11 15:10	09/30/11 09:30
92103472030	**MW-39**	Water	09/28/11 15:20	09/30/11 09:30
92103472031	**MW-40**	Water	09/28/11 15:30	09/30/11 09:30
92103472032	**MW-41**	Water	09/28/11 15:40	09/30/11 09:30
92103472033	**MW-42**	Water	09/28/11 15:50	09/30/11 09:30
92103472034	**MW-43**	Water	09/28/11 16:00	09/30/11 09:30
92103472035	**MW-44**	Water	09/28/11 16:10	09/30/11 09:30
92103472036	**MW-45**	Water	09/28/11 16:20	09/30/11 09:30
92103472037	**MW-46**	Water	09/28/11 16:30	09/30/11 09:30

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SAMPLE SUMMARY

Project: CORNER STOP 28
Pace Project No.: 92103472

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92103472038	**MW-47**	Water	09/28/11 16:40	09/30/11 09:30
92103472039	**MW-48**	Water	09/28/11 16:50	09/30/11 09:30
92103472040	**MW-49**	Water	09/28/11 17:00	09/30/11 09:30
92103472041	**MW-50**	Water	09/28/11 17:10	09/30/11 09:30
92103472042	**MW-51**	Water	09/28/11 17:20	09/30/11 09:30
92103472043	**MW-52**	Water	09/28/11 17:30	09/30/11 09:30
92103472044	**MW-54**	Water	09/28/11 19:30	09/30/11 09:30
92103472045	**MW-56**	Water	09/28/11 20:10	09/30/11 09:30
92103472046	**SW-1**	Water	09/28/11 20:20	09/30/11 09:30
92103472047	**T-1**	Water	09/28/11 17:50	09/30/11 09:30
92103472048	**T-2**	Water	09/28/11 18:10	09/30/11 09:30
92103472049	**T-3**	Water	09/28/11 18:30	09/30/11 09:30
92103472050	**T-4**	Water	09/28/11 18:50	09/30/11 09:30
92103472051	**T-5**	Water	09/28/11 19:10	09/30/11 09:30

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SAMPLE ANALYTE COUNT

Project: CORNER STOP 28
Pace Project No.: 92103472

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92103472001	**MW-2**	EPA 8011	RES	2	PASI-C
		EPA 8260	TLS	21	PASI-C
92103472002	**MW-3**	EPA 8011	RES	2	PASI-C
		EPA 8260	TLS	21	PASI-C
92103472003	**MW-5**	EPA 8011	RES	2	PASI-C
		EPA 8260	TLS	21	PASI-C
92103472004	**MW-6R**	EPA 8011	RES	2	PASI-C
		EPA 8260	TLS	21	PASI-C
92103472005	**MW-9**	EPA 8011	RES	2	PASI-C
		EPA 8260	TLS	21	PASI-C
92103472006	**MW-10**	EPA 8011	RES	2	PASI-C
		EPA 8260	TLS	21	PASI-C
92103472007	**MW-12R**	EPA 8011	RES	2	PASI-C
		EPA 8260	TLS	21	PASI-C
92103472008	**MW-13**	EPA 8011	RES	2	PASI-C
		EPA 8260	TLS	21	PASI-C
92103472009	**MW-14**	EPA 8011	RES	2	PASI-C
		EPA 8260	TLS	21	PASI-C
92103472010	**MW-16**	EPA 8011	RES	2	PASI-C
		EPA 8260	TLS	21	PASI-C
92103472011	**MW-17**	EPA 8011	RES	2	PASI-C
		EPA 8260	TLS	21	PASI-C
92103472012	**MW-19R**	EPA 8011	RES	2	PASI-C
		EPA 8260	TLS	21	PASI-C
92103472013	**MW-20**	EPA 8011	RES	2	PASI-C
		EPA 8260	TLS	21	PASI-C
92103472014	**MW-21**	EPA 8011	RES	2	PASI-C
		EPA 8260	TLS	21	PASI-C
92103472015	**MW-23**	EPA 8011	RES	2	PASI-C
		EPA 8260	TLS	21	PASI-C
92103472016	**MW-24**	EPA 8011	RES	2	PASI-C
		EPA 8260	TLS	21	PASI-C
92103472017	**MW-25**	EPA 8011	RES	2	PASI-C
		EPA 8260	TLS	21	PASI-C
92103472018	**MW-26**	EPA 8011	RES	2	PASI-C
		EPA 8260	TLS	21	PASI-C
92103472019	**MW-27**	EPA 8011	RES	2	PASI-C

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SAMPLE ANALYTE COUNT

Project: CORNER STOP 28
Pace Project No.: 92103472

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	TLS	21	PASI-C
92103472020	**MW-28**	EPA 8011	RES	2	PASI-C
		EPA 8260	MCK, TLS	21	PASI-C
92103472021	**MW-29**	EPA 8011	RES	2	PASI-C
		EPA 8260	TLS	21	PASI-C
92103472022	**MW-30**	EPA 8011	RES	2	PASI-C
		EPA 8260	TLS	21	PASI-C
92103472023	**MW-31**	EPA 8011	RES	2	PASI-C
		EPA 8260	AW, TLS	21	PASI-C
92103472024	**MW-32**	EPA 8011	RES	2	PASI-C
		EPA 8260	TLS	21	PASI-C
92103472025	**MW-34**	EPA 8011	RES	2	PASI-C
		EPA 8260	AW	21	PASI-C
92103472026	**MW-35**	EPA 8011	RES	2	PASI-C
		EPA 8260	AW	21	PASI-C
92103472027	**MW-36**	EPA 8011	RES	2	PASI-C
		EPA 8260	AW	21	PASI-C
92103472028	**MW-37**	EPA 8011	RES	2	PASI-C
		EPA 8260	AW	21	PASI-C
92103472029	**MW-38**	EPA 8011	RES	2	PASI-C
		EPA 8260	TLS	21	PASI-C
92103472030	**MW-39**	EPA 8011	RES	2	PASI-C
		EPA 8260	AW	21	PASI-C
92103472031	**MW-40**	EPA 8011	RES	2	PASI-C
		EPA 8260	AW	21	PASI-C
92103472032	**MW-41**	EPA 8011	RES	2	PASI-C
		EPA 8260	AW	21	PASI-C
92103472033	**MW-42**	EPA 8011	RES	2	PASI-C
		EPA 8260	AW	21	PASI-C
92103472034	**MW-43**	EPA 8011	RES	2	PASI-C
		EPA 8260	AW	21	PASI-C
92103472035	**MW-44**	EPA 8011	RES	2	PASI-C
		EPA 8260	AW	21	PASI-C
92103472036	**MW-45**	EPA 8011	RES	2	PASI-C
		EPA 8260	AW	21	PASI-C
92103472037	**MW-46**	EPA 8011	RES	2	PASI-C
		EPA 8260	AW	21	PASI-C

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SAMPLE ANALYTE COUNT

Project: CORNER STOP 28
Pace Project No.: 92103472

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92103472038	**MW-47**	EPA 8011	RES	2	PASI-C
		EPA 8260	AW	21	PASI-C
92103472039	**MW-48**	EPA 8011	RES	2	PASI-C
		EPA 8260	AW	21	PASI-C
92103472040	**MW-49**	EPA 8011	RES	2	PASI-C
		EPA 8260	AW	21	PASI-C
92103472041	**MW-50**	EPA 8011	RES	2	PASI-C
		EPA 8260	TLS	21	PASI-C
92103472042	**MW-51**	EPA 8011	RES	2	PASI-C
		EPA 8260	AW	21	PASI-C
92103472043	**MW-52**	EPA 8011	RES	2	PASI-C
		EPA 8260	KJM	21	PASI-C
92103472044	**MW-54**	EPA 8011	RES	2	PASI-C
		EPA 8260	KJM	21	PASI-C
92103472045	**MW-56**	EPA 8011	RES	2	PASI-C
		EPA 8260	KJM	21	PASI-C
92103472046	**SW-1**	EPA 8011	RES	2	PASI-C
		EPA 8260	KJM, TLS	21	PASI-C
92103472047	**T-1**	EPA 8011	RES	2	PASI-C
		EPA 8260	KJM	21	PASI-C
92103472048	**T-2**	EPA 8011	RES	2	PASI-C
		EPA 8260	KJM	21	PASI-C
92103472049	**T-3**	EPA 8011	RES	2	PASI-C
		EPA 8260	KJM	21	PASI-C
92103472050	**T-4**	EPA 8011	RES	2	PASI-C
		EPA 8260	TLS	21	PASI-C
92103472051	**T-5**	EPA 8011	RES	2	PASI-C
		EPA 8260	KJM	21	PASI-C

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HITS ONLY

Project: CORNER STOP 28
Pace Project No.: 92103472

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92103472001	**MW-2**					
EPA 8011	1,2-Dibromoethane (EDB)	9.5	ug/L	0.39	10/06/11 17:30	
EPA 8260	Benzene	3150	ug/L	1000	10/05/11 15:44	
EPA 8260	Diisopropyl ether	533J	ug/L	1000	10/05/11 15:44	
EPA 8260	Ethylbenzene	2690	ug/L	1000	10/05/11 15:44	
EPA 8260	Methyl-tert-butyl ether	8620	ug/L	1000	10/05/11 15:44	
EPA 8260	Toluene	19600	ug/L	1000	10/05/11 15:44	
EPA 8260	Xylene (Total)	17100	ug/L	2000	10/05/11 15:44	
EPA 8260	m&p-Xylene	11500	ug/L	2000	10/05/11 15:44	
EPA 8260	o-Xylene	5610	ug/L	1000	10/05/11 15:44	
92103472002	**MW-3**					
EPA 8011	1,2-Dibromoethane (EDB)	5.2	ug/L	0.20	10/06/11 17:48	
EPA 8260	Benzene	1870	ug/L	500	10/07/11 19:10	
EPA 8260	Diisopropyl ether	312J	ug/L	500	10/07/11 19:10	
EPA 8260	Ethylbenzene	3530	ug/L	500	10/07/11 19:10	
EPA 8260	Methyl-tert-butyl ether	3890	ug/L	500	10/07/11 19:10	
EPA 8260	Naphthalene	924	ug/L	500	10/07/11 19:10	
EPA 8260	Toluene	20800	ug/L	1000	10/10/11 16:20	
EPA 8260	Xylene (Total)	23100	ug/L	1000	10/07/11 19:10	
EPA 8260	m&p-Xylene	16500	ug/L	1000	10/07/11 19:10	
EPA 8260	o-Xylene	6520	ug/L	500	10/07/11 19:10	
92103472003	**MW-5**					
EPA 8260	Benzene	112	ug/L	10.0	10/05/11 16:21	
EPA 8260	Diisopropyl ether	37.8	ug/L	10.0	10/05/11 16:21	
EPA 8260	Ethylbenzene	12.4	ug/L	10.0	10/05/11 16:21	
EPA 8260	Methyl-tert-butyl ether	357	ug/L	10.0	10/05/11 16:21	
EPA 8260	Naphthalene	45.5	ug/L	10.0	10/05/11 16:21	
EPA 8260	Toluene	30.7	ug/L	10.0	10/05/11 16:21	
EPA 8260	Xylene (Total)	138	ug/L	20.0	10/05/11 16:21	
EPA 8260	m&p-Xylene	102	ug/L	20.0	10/05/11 16:21	
EPA 8260	o-Xylene	35.7	ug/L	10.0	10/05/11 16:21	
92103472004	**MW-6R**					
EPA 8011	1,2-Dibromoethane (EDB)	0.023	ug/L	0.020	10/06/11 00:02	C2
EPA 8260	tert-Amyl Alcohol	140	ug/L	100	10/05/11 16:39	
EPA 8260	Benzene	8.7	ug/L	5.0	10/05/11 16:39	
EPA 8260	tert-Butyl Alcohol	102	ug/L	100	10/05/11 16:39	
EPA 8260	Diisopropyl ether	10.9	ug/L	5.0	10/05/11 16:39	
EPA 8260	Ethylbenzene	9.0	ug/L	5.0	10/05/11 16:39	
EPA 8260	Methyl-tert-butyl ether	13.7	ug/L	5.0	10/05/11 16:39	
EPA 8260	Naphthalene	31.1	ug/L	5.0	10/05/11 16:39	
EPA 8260	Toluene	26.6	ug/L	5.0	10/05/11 16:39	
EPA 8260	Xylene (Total)	136	ug/L	10.0	10/05/11 16:39	
EPA 8260	m&p-Xylene	86.6	ug/L	10.0	10/05/11 16:39	
EPA 8260	o-Xylene	49.0	ug/L	5.0	10/05/11 16:39	
92103472005	**MW-9**					
EPA 8260	Toluene	2.0J	ug/L	5.0	10/05/11 17:16	

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Project: CORNER STOP 28
Pace Project No.: 92103472

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92103472005	**MW-9**					
EPA 8260	Xylene (Total)	3.0J	ug/L	10.0	10/05/11 17:16	
92103472006	**MW-10**					
EPA 8011	1,2-Dibromoethane (EDB)	0.068	ug/L	0.020	10/06/11 00:38	C3
92103472010	**MW-16**					
EPA 8260	Toluene	1.8J	ug/L	5.0	10/05/11 18:47	
EPA 8260	Xylene (Total)	3.0J	ug/L	10.0	10/05/11 18:47	
92103472011	**MW-17**					
EPA 8011	1,2-Dibromoethane (EDB)	46.1	ug/L	2.0	10/06/11 18:07	
EPA 8260	Benzene	4260	ug/L	250	10/05/11 19:05	
EPA 8260	Diisopropyl ether	904	ug/L	250	10/05/11 19:05	
EPA 8260	Ethylbenzene	2190	ug/L	250	10/05/11 19:05	
EPA 8260	Methyl-tert-butyl ether	15200	ug/L	1000	10/07/11 18:45	
EPA 8260	Naphthalene	528	ug/L	250	10/05/11 19:05	
EPA 8260	Toluene	20900	ug/L	1000	10/07/11 18:45	
EPA 8260	Xylene (Total)	11600	ug/L	500	10/05/11 19:05	
EPA 8260	m&p-Xylene	8640	ug/L	500	10/05/11 19:05	
EPA 8260	o-Xylene	2930	ug/L	250	10/05/11 19:05	
92103472012	**MW-19R**					
EPA 8011	1,2-Dibromoethane (EDB)	11.4	ug/L	0.40	10/06/11 18:25	
EPA 8260	tert-Amylmethyl ether	1190J	ug/L	2500	10/05/11 19:24	
EPA 8260	Benzene	7170	ug/L	1250	10/05/11 19:24	
EPA 8260	Diisopropyl ether	1160J	ug/L	1250	10/05/11 19:24	
EPA 8260	Ethylbenzene	3720	ug/L	1250	10/05/11 19:24	
EPA 8260	Methyl-tert-butyl ether	30900	ug/L	1250	10/05/11 19:24	
EPA 8260	Naphthalene	719J	ug/L	1250	10/05/11 19:24	
EPA 8260	Toluene	32800	ug/L	1250	10/05/11 19:24	
EPA 8260	Xylene (Total)	20000	ug/L	2500	10/05/11 19:24	
EPA 8260	m&p-Xylene	13700	ug/L	2500	10/05/11 19:24	
EPA 8260	o-Xylene	6370	ug/L	1250	10/05/11 19:24	
92103472014	**MW-21**					
EPA 8011	1,2-Dibromoethane (EDB)	0.11	ug/L	0.020	10/06/11 04:39	
EPA 8260	Benzene	266	ug/L	25.0	10/07/11 19:36	
EPA 8260	Ethylbenzene	401	ug/L	25.0	10/07/11 19:36	
EPA 8260	Methyl-tert-butyl ether	51.5	ug/L	25.0	10/07/11 19:36	
EPA 8260	Naphthalene	161	ug/L	25.0	10/07/11 19:36	
EPA 8260	Toluene	718	ug/L	25.0	10/07/11 19:36	
EPA 8260	Xylene (Total)	1790	ug/L	50.0	10/07/11 19:36	
EPA 8260	m&p-Xylene	894	ug/L	50.0	10/07/11 19:36	
EPA 8260	o-Xylene	898	ug/L	25.0	10/07/11 19:36	
92103472015	**MW-23**					
EPA 8011	1,2-Dibromoethane (EDB)	0.080	ug/L	0.020	10/06/11 05:34	
EPA 8260	Toluene	3.6J	ug/L	5.0	10/05/11 20:18	
EPA 8260	Xylene (Total)	5.9J	ug/L	10.0	10/05/11 20:18	
EPA 8260	m&p-Xylene	4.0J	ug/L	10.0	10/05/11 20:18	

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Project: CORNER STOP 28
Pace Project No.: 92103472

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92103472015	**MW-23**					
EPA 8260	o-Xylene	1.9J	ug/L	5.0	10/05/11 20:18	
92103472016	**MW-24**					
EPA 8260	tert-Amyl Alcohol	112	ug/L	100	10/07/11 20:01	
EPA 8260	Benzene	83.6	ug/L	5.0	10/07/11 20:01	
EPA 8260	Diisopropyl ether	10.8	ug/L	5.0	10/07/11 20:01	
EPA 8260	Ethylbenzene	18.7	ug/L	5.0	10/07/11 20:01	
EPA 8260	Methyl-tert-butyl ether	109	ug/L	5.0	10/07/11 20:01	
EPA 8260	Naphthalene	23.9	ug/L	5.0	10/07/11 20:01	
EPA 8260	Toluene	5.0	ug/L	5.0	10/07/11 20:01	
EPA 8260	Xylene (Total)	186	ug/L	10.0	10/07/11 20:01	
EPA 8260	m&p-Xylene	132	ug/L	10.0	10/07/11 20:01	
EPA 8260	o-Xylene	53.8	ug/L	5.0	10/07/11 20:01	
92103472018	**MW-26**					
EPA 8011	1,2-Dibromoethane (EDB)	0.14	ug/L	0.020	10/06/11 06:29	
EPA 8260	tert-Amyl Alcohol	727	ug/L	500	10/05/11 23:57	
EPA 8260	Benzene	667	ug/L	25.0	10/05/11 23:57	
EPA 8260	1,2-Dichloroethane	25.0	ug/L	25.0	10/05/11 23:57	
EPA 8260	Diisopropyl ether	173	ug/L	25.0	10/05/11 23:57	
EPA 8260	Methyl-tert-butyl ether	26.0	ug/L	25.0	10/05/11 23:57	
EPA 8260	Naphthalene	53.5	ug/L	25.0	10/05/11 23:57	
EPA 8260	Xylene (Total)	155	ug/L	50.0	10/05/11 23:57	
EPA 8260	m&p-Xylene	154	ug/L	50.0	10/05/11 23:57	
92103472019	**MW-27**					
EPA 8260	Diisopropyl ether	11.9	ug/L	5.0	10/07/11 20:27	
EPA 8260	Methyl-tert-butyl ether	23.7	ug/L	5.0	10/07/11 20:27	
EPA 8260	Naphthalene	4.2J	ug/L	5.0	10/07/11 20:27	
EPA 8260	o-Xylene	2.3J	ug/L	5.0	10/07/11 20:27	
92103472020	**MW-28**					
EPA 8011	1,2-Dibromoethane (EDB)	0.14	ug/L	0.019	10/07/11 16:09	
EPA 8260	tert-Amyl Alcohol	4110	ug/L	250	10/07/11 20:52	
EPA 8260	tert-Amylmethyl ether	277	ug/L	25.0	10/07/11 20:52	
EPA 8260	Benzene	474	ug/L	125	10/11/11 12:04	
EPA 8260	1,2-Dichloroethane	68.9	ug/L	12.5	10/07/11 20:52	
EPA 8260	Diisopropyl ether	1440	ug/L	125	10/11/11 12:04	
EPA 8260	Methyl-tert-butyl ether	3090	ug/L	125	10/11/11 12:04	
EPA 8260	Naphthalene	21.2	ug/L	12.5	10/07/11 20:52	
EPA 8260	Xylene (Total)	9.9J	ug/L	25.0	10/07/11 20:52	
EPA 8260	o-Xylene	9.9J	ug/L	12.5	10/07/11 20:52	
92103472021	**MW-29**					
EPA 8260	Naphthalene	5.7	ug/L	5.0	10/06/11 00:52	
EPA 8260	Toluene	5.1	ug/L	5.0	10/06/11 00:52	
EPA 8260	Xylene (Total)	9.6J	ug/L	10.0	10/06/11 00:52	
EPA 8260	m&p-Xylene	6.5J	ug/L	10.0	10/06/11 00:52	
EPA 8260	o-Xylene	3.2J	ug/L	5.0	10/06/11 00:52	

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Project: CORNER STOP 28
Pace Project No.: 92103472

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92103472022	**MW-30**					
EPA 8260	Benzene	41.7	ug/L	5.0	10/06/11 01:10	
EPA 8260	Diisopropyl ether	7.1	ug/L	5.0	10/06/11 01:10	
EPA 8260	Ethylbenzene	5.5	ug/L	5.0	10/06/11 01:10	
EPA 8260	Methyl-tert-butyl ether	70.0	ug/L	5.0	10/06/11 01:10	
EPA 8260	Naphthalene	49.0	ug/L	5.0	10/06/11 01:10	
EPA 8260	Toluene	18.1	ug/L	5.0	10/06/11 01:10	
EPA 8260	Xylene (Total)	77.0	ug/L	10.0	10/06/11 01:10	
EPA 8260	m&p-Xylene	61.7	ug/L	10.0	10/06/11 01:10	
EPA 8260	o-Xylene	15.3	ug/L	5.0	10/06/11 01:10	
92103472023	**MW-31**					
EPA 8260	Ethylbenzene	171	ug/L	25.0	10/10/11 17:34	
EPA 8260	Naphthalene	92.1	ug/L	5.0	10/07/11 15:09	
EPA 8260	Toluene	112	ug/L	5.0	10/07/11 15:09	
EPA 8260	Xylene (Total)	825	ug/L	50.0	10/10/11 17:34	
EPA 8260	m&p-Xylene	520	ug/L	50.0	10/10/11 17:34	
EPA 8260	o-Xylene	304	ug/L	25.0	10/10/11 17:34	
92103472024	**MW-32**					
EPA 8260	Ethylbenzene	4.4J	ug/L	5.0	10/10/11 22:08	
EPA 8260	Naphthalene	7.9	ug/L	5.0	10/10/11 22:08	
EPA 8260	Toluene	43.7	ug/L	5.0	10/10/11 22:08	
EPA 8260	Xylene (Total)	27.5	ug/L	10.0	10/10/11 22:08	
EPA 8260	m&p-Xylene	18.2	ug/L	10.0	10/10/11 22:08	
EPA 8260	o-Xylene	9.2	ug/L	5.0	10/10/11 22:08	
92103472025	**MW-34**					
EPA 8011	1,2-Dibromoethane (EDB)	6.3	ug/L	0.20	10/06/11 18:43	
EPA 8260	Benzene	5120	ug/L	1250	10/07/11 15:55	
EPA 8260	Diisopropyl ether	951J	ug/L	1250	10/07/11 15:55	
EPA 8260	Ethylbenzene	3980	ug/L	1250	10/07/11 15:55	
EPA 8260	Methyl-tert-butyl ether	28200	ug/L	1250	10/07/11 15:55	
EPA 8260	Naphthalene	1790	ug/L	1250	10/07/11 15:55	
EPA 8260	Toluene	38500	ug/L	1250	10/07/11 15:55	
EPA 8260	Xylene (Total)	22600	ug/L	2500	10/07/11 15:55	
EPA 8260	m&p-Xylene	15600	ug/L	2500	10/07/11 15:55	
EPA 8260	o-Xylene	7050	ug/L	1250	10/07/11 15:55	
92103472026	**MW-35**					
EPA 8260	Xylene (Total)	2.9J	ug/L	10.0	10/07/11 16:18	
EPA 8260	o-Xylene	1.7J	ug/L	5.0	10/07/11 16:18	
92103472027	**MW-36**					
EPA 8260	Methyl-tert-butyl ether	2.0J	ug/L	5.0	10/07/11 16:41	
92103472028	**MW-37**					
EPA 8260	Methyl-tert-butyl ether	185	ug/L	10.0	10/07/11 17:04	
92103472029	**MW-38**					
EPA 8260	tert-Butyl Alcohol	320	ug/L	100	10/10/11 22:26	

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Project: CORNER STOP 28
Pace Project No.: 92103472

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92103472029	**MW-38**					
EPA 8260	Methyl-tert-butyl ether	7.0	ug/L	5.0	10/10/11 22:26	
EPA 8260	Toluene	10.9	ug/L	5.0	10/10/11 22:26	
92103472035	**MW-44**					
EPA 8011	1,2-Dibromoethane (EDB)	0.14	ug/L	0.020	10/06/11 21:46	
EPA 8260	tert-Amylmethyl ether	19.1J	ug/L	50.0	10/07/11 19:43	
EPA 8260	Diisopropyl ether	145	ug/L	25.0	10/07/11 19:43	
EPA 8260	Methyl-tert-butyl ether	478	ug/L	25.0	10/07/11 19:43	
92103472036	**MW-45**					
EPA 8260	Methyl-tert-butyl ether	9.0	ug/L	5.0	10/07/11 20:06	
92103472037	**MW-46**					
EPA 8260	Methyl-tert-butyl ether	2.8J	ug/L	5.0	10/07/11 20:29	
92103472038	**MW-47**					
EPA 8260	Methyl-tert-butyl ether	52.3	ug/L	5.0	10/07/11 20:52	
92103472039	**MW-48**					
EPA 8260	Methyl-tert-butyl ether	1.8J	ug/L	5.0	10/07/11 21:15	
92103472040	**MW-49**					
EPA 8260	Diisopropyl ether	3.0J	ug/L	5.0	10/07/11 21:37	
EPA 8260	Methyl-tert-butyl ether	44.9	ug/L	5.0	10/07/11 21:37	
92103472041	**MW-50**					
EPA 8260	Benzene	24.2	ug/L	10.0	10/10/11 22:44	
EPA 8260	Ethylbenzene	193	ug/L	10.0	10/10/11 22:44	
EPA 8260	Methyl-tert-butyl ether	34.9	ug/L	10.0	10/10/11 22:44	
EPA 8260	Naphthalene	91.8	ug/L	10.0	10/10/11 22:44	
EPA 8260	Toluene	14.7	ug/L	10.0	10/10/11 22:44	
EPA 8260	Xylene (Total)	347	ug/L	20.0	10/10/11 22:44	
EPA 8260	m&p-Xylene	345	ug/L	20.0	10/10/11 22:44	
92103472042	**MW-51**					
EPA 8011	1,2-Dibromoethane (EDB)	0.69	ug/L	0.020	10/06/11 23:54	
EPA 8260	Benzene	4410	ug/L	250	10/07/11 22:23	
EPA 8260	Diisopropyl ether	105J	ug/L	250	10/07/11 22:23	
EPA 8260	Ethylbenzene	3970	ug/L	250	10/07/11 22:23	
EPA 8260	Methyl-tert-butyl ether	270	ug/L	250	10/07/11 22:23	
EPA 8260	Naphthalene	517	ug/L	250	10/07/11 22:23	
EPA 8260	Toluene	5820	ug/L	250	10/07/11 22:23	
EPA 8260	Xylene (Total)	12300	ug/L	500	10/07/11 22:23	
EPA 8260	m&p-Xylene	5460	ug/L	500	10/07/11 22:23	
EPA 8260	o-Xylene	6790	ug/L	250	10/07/11 22:23	
92103472044	**MW-54**					
EPA 8260	Ethylbenzene	7.6	ug/L	5.0	10/06/11 17:44	
EPA 8260	Methyl-tert-butyl ether	2.7J	ug/L	5.0	10/06/11 17:44	
EPA 8260	Naphthalene	8.5	ug/L	5.0	10/06/11 17:44	
EPA 8260	Toluene	15.0	ug/L	5.0	10/06/11 17:44	

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Project: CORNER STOP 28
Pace Project No.: 92103472

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92103472044	**MW-54**					
EPA 8260	Xylene (Total)	44.0	ug/L	10.0	10/06/11 17:44	
EPA 8260	m&p-Xylene	30.8	ug/L	10.0	10/06/11 17:44	
EPA 8260	o-Xylene	13.1	ug/L	5.0	10/06/11 17:44	
92103472046	**SW-1**					
EPA 8260	tert-Amyl Alcohol	191	ug/L	100	10/06/11 21:56	
EPA 8260	tert-Amylmethyl ether	20.2	ug/L	10.0	10/06/11 21:56	
EPA 8260	Benzene	150	ug/L	5.0	10/06/11 21:56	
EPA 8260	tert-Butyl Alcohol	98.1J	ug/L	100	10/06/11 21:56	
EPA 8260	Diisopropyl ether	34.5	ug/L	5.0	10/06/11 21:56	
EPA 8260	Ethylbenzene	60.6	ug/L	5.0	10/06/11 21:56	
EPA 8260	Methyl-tert-butyl ether	374	ug/L	12.5	10/07/11 17:54	
EPA 8260	Naphthalene	12.0	ug/L	5.0	10/06/11 21:56	
EPA 8260	Toluene	41.2	ug/L	5.0	10/06/11 21:56	
EPA 8260	Xylene (Total)	64.5	ug/L	10.0	10/06/11 21:56	
EPA 8260	m&p-Xylene	40.7	ug/L	10.0	10/06/11 21:56	
EPA 8260	o-Xylene	23.8	ug/L	5.0	10/06/11 21:56	
92103472047	**T-1**					
EPA 8260	Benzene	14.8	ug/L	5.0	10/06/11 16:59	
EPA 8260	Diisopropyl ether	35.7	ug/L	5.0	10/06/11 16:59	
EPA 8260	Methyl-tert-butyl ether	50.2	ug/L	5.0	10/06/11 16:59	
EPA 8260	Toluene	4.3J	ug/L	5.0	10/06/11 16:59	
EPA 8260	Xylene (Total)	11.0	ug/L	10.0	10/06/11 16:59	
EPA 8260	m&p-Xylene	6.7J	ug/L	10.0	10/06/11 16:59	
EPA 8260	o-Xylene	4.3J	ug/L	5.0	10/06/11 16:59	
92103472049	**T-3**					
EPA 8011	1,2-Dibromoethane (EDB)	0.12	ug/L	0.020	10/07/11 02:03	
EPA 8260	tert-Amylmethyl ether	20.4J	ug/L	50.0	10/06/11 22:18	
EPA 8260	Diisopropyl ether	226	ug/L	25.0	10/06/11 22:18	
EPA 8260	Methyl-tert-butyl ether	687	ug/L	25.0	10/06/11 22:18	
92103472050	**T-4**					
EPA 8260	Methyl-tert-butyl ether	6.7	ug/L	5.0	10/07/11 21:17	
EPA 8260	Naphthalene	4.2J	ug/L	5.0	10/07/11 21:17	
EPA 8260	o-Xylene	2.5J	ug/L	5.0	10/07/11 21:17	

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PROJECT NARRATIVE

Project: CORNER STOP 28
Pace Project No.: 92103472

Method: **EPA 8011**
Description: 8011 GCS EDB and DBCP
Client: KLM
Date: October 17, 2011

General Information:
51 samples were analyzed for EPA 8011. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 8011 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/15085

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- MW-17 (Lab ID: 92103472011)
  - 1-Chloro-2-bromopropane (S)
- MW-19R (Lab ID: 92103472012)
  - 1-Chloro-2-bromopropane (S)
- MW-2 (Lab ID: 92103472001)
  - 1-Chloro-2-bromopropane (S)
- MW-3 (Lab ID: 92103472002)
  - 1-Chloro-2-bromopropane (S)

QC Batch: OEXT/15086

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- MW-34 (Lab ID: 92103472025)
  - 1-Chloro-2-bromopropane (S)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

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PROJECT NARRATIVE

Project: CORNER STOP 28
Pace Project No.: 92103472

Method: **EPA 8011**
Description: 8011 GCS EDB and DBCP
Client: KLM
Date: October 17, 2011

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: OEXT/15085

C2: Relative percent difference between results from each column was greater than 40%. The lower of the two results was reported.

- MW-6R (Lab ID: 92103472004)
  - 1,2-Dibromoethane (EDB)

C3: Relative percent difference between results from each column was greater than 40%. The higher of the two results was reported.

- MW-10 (Lab ID: 92103472006)
  - 1,2-Dibromoethane (EDB)

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PROJECT NARRATIVE

Project: CORNER STOP 28
Pace Project No.: 92103472

Method: **EPA 8260**
Description: 8260 MSV Oxygenates
Client: KLM
Date: October 17, 2011

General Information:
51 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

QC Batch: MSV/16884

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- LCS (Lab ID: 668472)
  - tert-Butyl Formate

QC Batch: MSV/16909

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- LCS (Lab ID: 669879)
  - tert-Butyl Formate

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/16881

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 668455)
  - tert-Butyl Formate

QC Batch: MSV/16883

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 668468)
  - tert-Butyl Formate

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PROJECT NARRATIVE

Project: CORNER STOP 28
Pace Project No.: 92103472

Method: **EPA 8260**
Description: 8260 MSV Oxygenates
Client: KLM
Date: October 17, 2011

QC Batch: MSV/16884

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- LCS (Lab ID: 668472)
  - tert-Butyl Formate

QC Batch: MSV/16900

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 669283)
  - tert-Butyl Formate

QC Batch: MSV/16909

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- LCS (Lab ID: 669879)
  - tert-Butyl Formate

QC Batch: MSV/16910

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 670033)
  - tert-Butyl Formate

QC Batch: MSV/16925

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 670685)
  - tert-Butyl Formate

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/16900

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92103472043

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 669284)
  - 3,3-Dimethyl-1-Butanol
  - Naphthalene
  - o-Xylene
  - tert-Amyl Alcohol

P5: The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.

- MS (Lab ID: 669284)
  - tert-Butyl Formate
- MSD (Lab ID: 669285)
  - tert-Butyl Formate

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PROJECT NARRATIVE

Project: CORNER STOP 28
Pace Project No.: 92103472

Method: **EPA 8260**
Description: 8260 MSV Oxygenates
Client: KLM
Date: October 17, 2011

QC Batch: MSV/16881

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92103472005

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 668456)
  - 3,3-Dimethyl-1-Butanol
  - Ethanol
  - tert-Amyl Alcohol
  - tert-Butyl Alcohol

P5: The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.

- MS (Lab ID: 668456)
  - tert-Butyl Formate
- MSD (Lab ID: 668457)
  - tert-Butyl Formate

QC Batch: MSV/16884

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92103472037

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 668473)
  - tert-Amyl Alcohol
  - tert-Butyl Alcohol
- MSD (Lab ID: 668474)
  - tert-Butyl Alcohol

P5: The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.

- MS (Lab ID: 668473)
  - tert-Butyl Formate
- MSD (Lab ID: 668474)
  - tert-Butyl Formate

QC Batch: MSV/16910

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92103520029

P5: The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.

- MS (Lab ID: 670034)
  - tert-Butyl Formate
- MSD (Lab ID: 670035)
  - tert-Butyl Formate

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-2 **Lab ID: 92103472001** Collected: 09/28/11 10:00 Received: 09/30/11 09:30 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)	**9.5**	ug/L	0.39	0.39	20	10/05/11 16:02	10/06/11 17:30	106-93-4	
1-Chloro-2-bromopropane (S)	0	%	60-140		20	10/05/11 16:02	10/06/11 17:30	301-79-56	S4
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	20000	15400	200		10/05/11 15:44	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	680	200		10/05/11 15:44	994-05-8	
Benzene	**3150**	ug/L	1000	340	200		10/05/11 15:44	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	6420	200		10/05/11 15:44	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	11500	200		10/05/11 15:44	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	1460	200		10/05/11 15:44	762-75-4	
1,2-Dichloroethane	ND	ug/L	1000	360	200		10/05/11 15:44	107-06-2	
Diisopropyl ether	**533J**	ug/L	1000	340	200		10/05/11 15:44	108-20-3	
Ethanol	ND	ug/L	40000	27600	200		10/05/11 15:44	64-17-5	
Ethylbenzene	**2690**	ug/L	1000	320	200		10/05/11 15:44	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	720	200		10/05/11 15:44	637-92-3	
Methyl-tert-butyl ether	**8620**	ug/L	1000	340	200		10/05/11 15:44	1634-04-4	
Naphthalene	ND	ug/L	1000	400	200		10/05/11 15:44	91-20-3	
Toluene	**19600**	ug/L	1000	320	200		10/05/11 15:44	108-88-3	
Xylene (Total)	**17100**	ug/L	2000	540	200		10/05/11 15:44	1330-20-7	
m&p-Xylene	**11500**	ug/L	2000	620	200		10/05/11 15:44	179601-23-1	
o-Xylene	**5610**	ug/L	1000	320	200		10/05/11 15:44	95-47-6	
Dibromofluoromethane (S)	100	%	70-130		200		10/05/11 15:44	1868-53-7	
Toluene-d8 (S)	100	%	70-130		200		10/05/11 15:44	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		200		10/05/11 15:44	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		200		10/05/11 15:44	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-3 **Lab ID: 92103472002** Collected: 09/28/11 10:10 Received: 09/30/11 09:30 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)	**5.2**	ug/L	0.20	0.20	10	10/05/11 16:02	10/06/11 17:48	106-93-4	
1-Chloro-2-bromopropane (S)	0	%	60-140		10	10/05/11 16:02	10/06/11 17:48	301-79-56	S4
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	10000	7680	100		10/07/11 19:10	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1000	340	100		10/07/11 19:10	994-05-8	
Benzene	**1870**	ug/L	500	170	100		10/07/11 19:10	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	10000	3210	100		10/07/11 19:10	624-95-3	
tert-Butyl Alcohol	ND	ug/L	10000	5770	100		10/07/11 19:10	75-65-0	
tert-Butyl Formate	ND	ug/L	5000	730	100		10/07/11 19:10	762-75-4	
1,2-Dichloroethane	ND	ug/L	500	180	100		10/07/11 19:10	107-06-2	
Diisopropyl ether	**312J**	ug/L	500	170	100		10/07/11 19:10	108-20-3	
Ethanol	ND	ug/L	20000	13800	100		10/07/11 19:10	64-17-5	
Ethylbenzene	**3530**	ug/L	500	160	100		10/07/11 19:10	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1000	360	100		10/07/11 19:10	637-92-3	
Methyl-tert-butyl ether	**3890**	ug/L	500	170	100		10/07/11 19:10	1634-04-4	
Naphthalene	**924**	ug/L	500	200	100		10/07/11 19:10	91-20-3	
Toluene	**20800**	ug/L	1000	320	200		10/10/11 16:20	108-88-3	
Xylene (Total)	**23100**	ug/L	1000	270	100		10/07/11 19:10	1330-20-7	
m&p-Xylene	**16500**	ug/L	1000	310	100		10/07/11 19:10	179601-23-1	
o-Xylene	**6520**	ug/L	500	160	100		10/07/11 19:10	95-47-6	
Dibromofluoromethane (S)	114	%	70-130		100		10/07/11 19:10	1868-53-7	
Toluene-d8 (S)	103	%	70-130		100		10/07/11 19:10	2037-26-5	
4-Bromofluorobenzene (S)	107	%	70-130		100		10/07/11 19:10	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	70-130		100		10/07/11 19:10	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-5 **Lab ID: 92103472003** Collected: 09/28/11 10:30 Received: 09/30/11 09:30 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	10/05/11 16:02	10/05/11 23:43	106-93-4	
1-Chloro-2-bromopropane (S)	104	%	60-140		1	10/05/11 16:02	10/05/11 23:43	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	200	154	2		10/05/11 16:21	75-85-4	
tert-Amylmethyl ether	ND	ug/L	20.0	6.8	2		10/05/11 16:21	994-05-8	
Benzene	**112**	ug/L	10.0	3.4	2		10/05/11 16:21	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	200	64.2	2		10/05/11 16:21	624-95-3	
tert-Butyl Alcohol	ND	ug/L	200	115	2		10/05/11 16:21	75-65-0	
tert-Butyl Formate	ND	ug/L	100	14.6	2		10/05/11 16:21	762-75-4	
1,2-Dichloroethane	ND	ug/L	10.0	3.6	2		10/05/11 16:21	107-06-2	
Diisopropyl ether	**37.8**	ug/L	10.0	3.4	2		10/05/11 16:21	108-20-3	
Ethanol	ND	ug/L	400	276	2		10/05/11 16:21	64-17-5	
Ethylbenzene	**12.4**	ug/L	10.0	3.2	2		10/05/11 16:21	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	20.0	7.2	2		10/05/11 16:21	637-92-3	
Methyl-tert-butyl ether	**357**	ug/L	10.0	3.4	2		10/05/11 16:21	1634-04-4	
Naphthalene	**45.5**	ug/L	10.0	4.0	2		10/05/11 16:21	91-20-3	
Toluene	**30.7**	ug/L	10.0	3.2	2		10/05/11 16:21	108-88-3	
Xylene (Total)	**138**	ug/L	20.0	5.4	2		10/05/11 16:21	1330-20-7	
m&p-Xylene	**102**	ug/L	20.0	6.2	2		10/05/11 16:21	179601-23-1	
o-Xylene	**35.7**	ug/L	10.0	3.2	2		10/05/11 16:21	95-47-6	
Dibromofluoromethane (S)	102	%	70-130		2		10/05/11 16:21	1868-53-7	
Toluene-d8 (S)	100	%	70-130		2		10/05/11 16:21	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		2		10/05/11 16:21	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		2		10/05/11 16:21	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-6R **Lab ID: 92103472004** Collected: 09/28/11 10:40 Received: 09/30/11 09:30 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)	**0.023**	ug/L	0.020	0.020	1	10/05/11 16:02	10/06/11 00:02	106-93-4	C2
1-Chloro-2-bromopropane (S)	105	%	60-140		1	10/05/11 16:02	10/06/11 00:02	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**140**	ug/L	100	76.8	1		10/05/11 16:39	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/05/11 16:39	994-05-8	
Benzene	**8.7**	ug/L	5.0	1.7	1		10/05/11 16:39	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/05/11 16:39	624-95-3	
tert-Butyl Alcohol	**102**	ug/L	100	57.7	1		10/05/11 16:39	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/05/11 16:39	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/05/11 16:39	107-06-2	
Diisopropyl ether	**10.9**	ug/L	5.0	1.7	1		10/05/11 16:39	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/05/11 16:39	64-17-5	
Ethylbenzene	**9.0**	ug/L	5.0	1.6	1		10/05/11 16:39	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/05/11 16:39	637-92-3	
Methyl-tert-butyl ether	**13.7**	ug/L	5.0	1.7	1		10/05/11 16:39	1634-04-4	
Naphthalene	**31.1**	ug/L	5.0	2.0	1		10/05/11 16:39	91-20-3	
Toluene	**26.6**	ug/L	5.0	1.6	1		10/05/11 16:39	108-88-3	
Xylene (Total)	**136**	ug/L	10.0	2.7	1		10/05/11 16:39	1330-20-7	
m&p-Xylene	**86.6**	ug/L	10.0	3.1	1		10/05/11 16:39	179601-23-1	
o-Xylene	**49.0**	ug/L	5.0	1.6	1		10/05/11 16:39	95-47-6	
Dibromofluoromethane (S)	99	%	70-130		1		10/05/11 16:39	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		10/05/11 16:39	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		1		10/05/11 16:39	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		10/05/11 16:39	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-9 **Lab ID: 92103472005** Collected: 09/28/11 10:50 Received: 09/30/11 09:30 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	10/05/11 16:02	10/06/11 00:20	106-93-4	
1-Chloro-2-bromopropane (S)	102	%	60-140		1	10/05/11 16:02	10/06/11 00:20	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/05/11 17:16	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/05/11 17:16	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/05/11 17:16	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/05/11 17:16	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/05/11 17:16	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/05/11 17:16	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/05/11 17:16	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/05/11 17:16	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/05/11 17:16	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/05/11 17:16	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/05/11 17:16	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		10/05/11 17:16	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		10/05/11 17:16	91-20-3	
Toluene	**2.0J**	ug/L	5.0	1.6	1		10/05/11 17:16	108-88-3	
Xylene (Total)	**3.0J**	ug/L	10.0	2.7	1		10/05/11 17:16	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		10/05/11 17:16	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		10/05/11 17:16	95-47-6	
Dibromofluoromethane (S)	96	%	70-130		1		10/05/11 17:16	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		10/05/11 17:16	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130		1		10/05/11 17:16	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		10/05/11 17:16	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-10 **Lab ID: 92103472006** Collected: 09/28/11 11:00 Received: 09/30/11 09:30 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)	**0.068**	ug/L	0.020	0.020	1	10/05/11 16:02	10/06/11 00:38	106-93-4	C3
1-Chloro-2-bromopropane (S)	104	%	60-140		1	10/05/11 16:02	10/06/11 00:38	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/05/11 17:34	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/05/11 17:34	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/05/11 17:34	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/05/11 17:34	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/05/11 17:34	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/05/11 17:34	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/05/11 17:34	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/05/11 17:34	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/05/11 17:34	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/05/11 17:34	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/05/11 17:34	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		10/05/11 17:34	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		10/05/11 17:34	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		10/05/11 17:34	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		10/05/11 17:34	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		10/05/11 17:34	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		10/05/11 17:34	95-47-6	
Dibromofluoromethane (S)	106	%	70-130		1		10/05/11 17:34	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		10/05/11 17:34	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		1		10/05/11 17:34	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		10/05/11 17:34	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-12R **Lab ID: 92103472007** Collected: 09/28/11 11:20 Received: 09/30/11 09:30 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	10/05/11 16:03	10/06/11 00:57	106-93-4	
1-Chloro-2-bromopropane (S)	105	%	60-140		1	10/05/11 16:03	10/06/11 00:57	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/05/11 17:52	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/05/11 17:52	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/05/11 17:52	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/05/11 17:52	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/05/11 17:52	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/05/11 17:52	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/05/11 17:52	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/05/11 17:52	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/05/11 17:52	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/05/11 17:52	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/05/11 17:52	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		10/05/11 17:52	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		10/05/11 17:52	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		10/05/11 17:52	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		10/05/11 17:52	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		10/05/11 17:52	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		10/05/11 17:52	95-47-6	
Dibromofluoromethane (S)	101	%	70-130		1		10/05/11 17:52	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		10/05/11 17:52	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		1		10/05/11 17:52	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		10/05/11 17:52	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-13 **Lab ID: 92103472008** Collected: 09/28/11 11:30 Received: 09/30/11 09:30 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	10/05/11 16:03	10/06/11 01:15	106-93-4	
1-Chloro-2-bromopropane (S)	107	%	60-140		1	10/05/11 16:03	10/06/11 01:15	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/05/11 18:10	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/05/11 18:10	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/05/11 18:10	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/05/11 18:10	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/05/11 18:10	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/05/11 18:10	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/05/11 18:10	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/05/11 18:10	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/05/11 18:10	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/05/11 18:10	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/05/11 18:10	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		10/05/11 18:10	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		10/05/11 18:10	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		10/05/11 18:10	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		10/05/11 18:10	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		10/05/11 18:10	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		10/05/11 18:10	95-47-6	
Dibromofluoromethane (S)	100	%	70-130		1		10/05/11 18:10	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		10/05/11 18:10	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		1		10/05/11 18:10	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		10/05/11 18:10	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-14 **Lab ID: 92103472009** Collected: 09/28/11 11:40 Received: 09/30/11 09:30 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	10/05/11 16:03	10/06/11 01:34	106-93-4	
1-Chloro-2-bromopropane (S)	75	%	60-140		1	10/05/11 16:03	10/06/11 01:34	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/05/11 18:29	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/05/11 18:29	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/05/11 18:29	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/05/11 18:29	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/05/11 18:29	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/05/11 18:29	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/05/11 18:29	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/05/11 18:29	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/05/11 18:29	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/05/11 18:29	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/05/11 18:29	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		10/05/11 18:29	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		10/05/11 18:29	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		10/05/11 18:29	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		10/05/11 18:29	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		10/05/11 18:29	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		10/05/11 18:29	95-47-6	
Dibromofluoromethane (S)	101	%	70-130		1		10/05/11 18:29	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/05/11 18:29	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		1		10/05/11 18:29	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		10/05/11 18:29	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-16 **Lab ID: 92103472010** Collected: 09/28/11 11:50 Received: 09/30/11 09:30 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	10/05/11 16:03	10/06/11 01:52	106-93-4	
1-Chloro-2-bromopropane (S)	105	%	60-140		1	10/05/11 16:03	10/06/11 01:52	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/05/11 18:47	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/05/11 18:47	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/05/11 18:47	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/05/11 18:47	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/05/11 18:47	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/05/11 18:47	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/05/11 18:47	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/05/11 18:47	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/05/11 18:47	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/05/11 18:47	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/05/11 18:47	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		10/05/11 18:47	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		10/05/11 18:47	91-20-3	
Toluene	**1.8J**	ug/L	5.0	1.6	1		10/05/11 18:47	108-88-3	
Xylene (Total)	**3.0J**	ug/L	10.0	2.7	1		10/05/11 18:47	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		10/05/11 18:47	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		10/05/11 18:47	95-47-6	
Dibromofluoromethane (S)	99	%	70-130		1		10/05/11 18:47	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/05/11 18:47	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		1		10/05/11 18:47	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		10/05/11 18:47	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-17 **Lab ID: 92103472011** Collected: 09/28/11 12:00 Received: 09/30/11 09:30 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)	**46.1**	ug/L	2.0	2.0	100	10/05/11 16:03	10/06/11 18:07	106-93-4	
1-Chloro-2-bromopropane (S)	0	%	60-140		100	10/05/11 16:03	10/06/11 18:07	301-79-56	S4
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	5000	3840	50		10/05/11 19:05	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	170	50		10/05/11 19:05	994-05-8	
Benzene	**4260**	ug/L	250	85.0	50		10/05/11 19:05	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	1600	50		10/05/11 19:05	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	2880	50		10/05/11 19:05	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	365	50		10/05/11 19:05	762-75-4	
1,2-Dichloroethane	ND	ug/L	250	90.0	50		10/05/11 19:05	107-06-2	
Diisopropyl ether	**904**	ug/L	250	85.0	50		10/05/11 19:05	108-20-3	
Ethanol	ND	ug/L	10000	6890	50		10/05/11 19:05	64-17-5	
Ethylbenzene	**2190**	ug/L	250	80.0	50		10/05/11 19:05	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	180	50		10/05/11 19:05	637-92-3	
Methyl-tert-butyl ether	**15200**	ug/L	1000	340	200		10/07/11 18:45	1634-04-4	
Naphthalene	**528**	ug/L	250	100	50		10/05/11 19:05	91-20-3	
Toluene	**20900**	ug/L	1000	320	200		10/07/11 18:45	108-88-3	
Xylene (Total)	**11600**	ug/L	500	135	50		10/05/11 19:05	1330-20-7	
m&p-Xylene	**8640**	ug/L	500	155	50		10/05/11 19:05	179601-23-1	
o-Xylene	**2930**	ug/L	250	80.0	50		10/05/11 19:05	95-47-6	
Dibromofluoromethane (S)	104	%	70-130		50		10/05/11 19:05	1868-53-7	
Toluene-d8 (S)	101	%	70-130		50		10/05/11 19:05	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		50		10/05/11 19:05	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		50		10/05/11 19:05	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-19R **Lab ID: 92103472012** Collected: 09/28/11 12:20 Received: 09/30/11 09:30 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)	**11.4**	ug/L	0.40	0.40	20	10/05/11 16:03	10/06/11 18:25	106-93-4	
1-Chloro-2-bromopropane (S)	0	%	60-140		20	10/05/11 16:03	10/06/11 18:25	301-79-56	S4
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	25000	19200	250		10/05/11 19:24	75-85-4	
tert-Amylmethyl ether	**1190J**	ug/L	2500	850	250		10/05/11 19:24	994-05-8	
Benzene	**7170**	ug/L	1250	425	250		10/05/11 19:24	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	25000	8020	250		10/05/11 19:24	624-95-3	
tert-Butyl Alcohol	ND	ug/L	25000	14400	250		10/05/11 19:24	75-65-0	
tert-Butyl Formate	ND	ug/L	12500	1820	250		10/05/11 19:24	762-75-4	
1,2-Dichloroethane	ND	ug/L	1250	450	250		10/05/11 19:24	107-06-2	
Diisopropyl ether	**1160J**	ug/L	1250	425	250		10/05/11 19:24	108-20-3	
Ethanol	ND	ug/L	50000	34400	250		10/05/11 19:24	64-17-5	
Ethylbenzene	**3720**	ug/L	1250	400	250		10/05/11 19:24	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2500	900	250		10/05/11 19:24	637-92-3	
Methyl-tert-butyl ether	**30900**	ug/L	1250	425	250		10/05/11 19:24	1634-04-4	
Naphthalene	**719J**	ug/L	1250	500	250		10/05/11 19:24	91-20-3	
Toluene	**32800**	ug/L	1250	400	250		10/05/11 19:24	108-88-3	
Xylene (Total)	**20000**	ug/L	2500	675	250		10/05/11 19:24	1330-20-7	
m&p-Xylene	**13700**	ug/L	2500	775	250		10/05/11 19:24	179601-23-1	
o-Xylene	**6370**	ug/L	1250	400	250		10/05/11 19:24	95-47-6	
Dibromofluoromethane (S)	103	%	70-130		250		10/05/11 19:24	1868-53-7	
Toluene-d8 (S)	102	%	70-130		250		10/05/11 19:24	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		250		10/05/11 19:24	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		250		10/05/11 19:24	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-20 **Lab ID: 92103472013** Collected: 09/28/11 12:30 Received: 09/30/11 09:30 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	10/05/11 17:08	10/06/11 04:02	106-93-4	
1-Chloro-2-bromopropane (S)	101	%	60-140		1	10/05/11 17:08	10/06/11 04:02	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/05/11 19:42	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/05/11 19:42	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/05/11 19:42	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/05/11 19:42	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/05/11 19:42	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/05/11 19:42	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/05/11 19:42	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/05/11 19:42	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/05/11 19:42	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/05/11 19:42	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/05/11 19:42	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		10/05/11 19:42	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		10/05/11 19:42	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		10/05/11 19:42	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		10/05/11 19:42	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		10/05/11 19:42	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		10/05/11 19:42	95-47-6	
Dibromofluoromethane (S)	106	%	70-130		1		10/05/11 19:42	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		10/05/11 19:42	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		1		10/05/11 19:42	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		10/05/11 19:42	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-21 **Lab ID: 92103472014** Collected: 09/28/11 12:40 Received: 09/30/11 09:30 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)	**0.11**	ug/L	0.020	0.020	1	10/05/11 17:09	10/06/11 04:39	106-93-4	
1-Chloro-2-bromopropane (S)	108	%	60-140		1	10/05/11 17:09	10/06/11 04:39	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	500	384	5		10/07/11 19:36	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	17.0	5		10/07/11 19:36	994-05-8	
Benzene	**266**	ug/L	25.0	8.5	5		10/07/11 19:36	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	160	5		10/07/11 19:36	624-95-3	
tert-Butyl Alcohol	ND	ug/L	500	288	5		10/07/11 19:36	75-65-0	
tert-Butyl Formate	ND	ug/L	250	36.5	5		10/07/11 19:36	762-75-4	
1,2-Dichloroethane	ND	ug/L	25.0	9.0	5		10/07/11 19:36	107-06-2	
Diisopropyl ether	ND	ug/L	25.0	8.5	5		10/07/11 19:36	108-20-3	
Ethanol	ND	ug/L	1000	689	5		10/07/11 19:36	64-17-5	
Ethylbenzene	**401**	ug/L	25.0	8.0	5		10/07/11 19:36	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	18.0	5		10/07/11 19:36	637-92-3	
Methyl-tert-butyl ether	**51.5**	ug/L	25.0	8.5	5		10/07/11 19:36	1634-04-4	
Naphthalene	**161**	ug/L	25.0	10.0	5		10/07/11 19:36	91-20-3	
Toluene	**718**	ug/L	25.0	8.0	5		10/07/11 19:36	108-88-3	
Xylene (Total)	**1790**	ug/L	50.0	13.5	5		10/07/11 19:36	1330-20-7	
m&p-Xylene	**894**	ug/L	50.0	15.5	5		10/07/11 19:36	179601-23-1	
o-Xylene	**898**	ug/L	25.0	8.0	5		10/07/11 19:36	95-47-6	
Dibromofluoromethane (S)	110	%	70-130		5		10/07/11 19:36	1868-53-7	
Toluene-d8 (S)	99	%	70-130		5		10/07/11 19:36	2037-26-5	
4-Bromofluorobenzene (S)	108	%	70-130		5		10/07/11 19:36	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		5		10/07/11 19:36	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-23 **Lab ID: 92103472015** Collected: 09/28/11 12:50 Received: 09/30/11 09:30 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)	**0.080**	ug/L	0.020	0.020	1	10/05/11 17:09	10/06/11 05:34	106-93-4	
1-Chloro-2-bromopropane (S)	105	%	60-140		1	10/05/11 17:09	10/06/11 05:34	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/05/11 20:18	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/05/11 20:18	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/05/11 20:18	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/05/11 20:18	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/05/11 20:18	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/05/11 20:18	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/05/11 20:18	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/05/11 20:18	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/05/11 20:18	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/05/11 20:18	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/05/11 20:18	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		10/05/11 20:18	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		10/05/11 20:18	91-20-3	
Toluene	**3.6J**	ug/L	5.0	1.6	1		10/05/11 20:18	108-88-3	
Xylene (Total)	**5.9J**	ug/L	10.0	2.7	1		10/05/11 20:18	1330-20-7	
m&p-Xylene	**4.0J**	ug/L	10.0	3.1	1		10/05/11 20:18	179601-23-1	
o-Xylene	**1.9J**	ug/L	5.0	1.6	1		10/05/11 20:18	95-47-6	
Dibromofluoromethane (S)	105	%	70-130		1		10/05/11 20:18	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		10/05/11 20:18	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		1		10/05/11 20:18	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		10/05/11 20:18	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-24 **Lab ID: 92103472016** Collected: 09/28/11 13:00 Received: 09/30/11 09:30 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	10/05/11 17:09	10/06/11 05:53	106-93-4	
1-Chloro-2-bromopropane (S)	111	%	60-140		1	10/05/11 17:09	10/06/11 05:53	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**112**	ug/L	100	76.8	1		10/07/11 20:01	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/07/11 20:01	994-05-8	
Benzene	**83.6**	ug/L	5.0	1.7	1		10/07/11 20:01	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/07/11 20:01	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/07/11 20:01	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/07/11 20:01	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/07/11 20:01	107-06-2	
Diisopropyl ether	**10.8**	ug/L	5.0	1.7	1		10/07/11 20:01	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/07/11 20:01	64-17-5	
Ethylbenzene	**18.7**	ug/L	5.0	1.6	1		10/07/11 20:01	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/07/11 20:01	637-92-3	
Methyl-tert-butyl ether	**109**	ug/L	5.0	1.7	1		10/07/11 20:01	1634-04-4	
Naphthalene	**23.9**	ug/L	5.0	2.0	1		10/07/11 20:01	91-20-3	
Toluene	**5.0**	ug/L	5.0	1.6	1		10/07/11 20:01	108-88-3	
Xylene (Total)	**186**	ug/L	10.0	2.7	1		10/07/11 20:01	1330-20-7	
m&p-Xylene	**132**	ug/L	10.0	3.1	1		10/07/11 20:01	179601-23-1	
o-Xylene	**53.8**	ug/L	5.0	1.6	1		10/07/11 20:01	95-47-6	
Dibromofluoromethane (S)	102	%	70-130		1		10/07/11 20:01	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		10/07/11 20:01	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1		10/07/11 20:01	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		10/07/11 20:01	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-25 **Lab ID: 92103472017** Collected: 09/28/11 13:10 Received: 09/30/11 09:30 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	10/05/11 17:10	10/06/11 06:11	106-93-4	
1-Chloro-2-bromopropane (S)	104	%	60-140		1	10/05/11 17:10	10/06/11 06:11	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/05/11 23:39	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/05/11 23:39	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/05/11 23:39	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/05/11 23:39	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/05/11 23:39	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/05/11 23:39	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/05/11 23:39	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/05/11 23:39	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/05/11 23:39	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/05/11 23:39	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/05/11 23:39	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		10/05/11 23:39	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		10/05/11 23:39	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		10/05/11 23:39	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		10/05/11 23:39	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		10/05/11 23:39	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		10/05/11 23:39	95-47-6	
Dibromofluoromethane (S)	103	%	70-130		1		10/05/11 23:39	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/05/11 23:39	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		1		10/05/11 23:39	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		10/05/11 23:39	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-26 **Lab ID: 92103472018** Collected: 09/28/11 13:20 Received: 09/30/11 09:30 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)	**0.14**	ug/L	0.020	0.020	1	10/05/11 17:10	10/06/11 06:29	106-93-4	
1-Chloro-2-bromopropane (S)	69	%	60-140		1	10/05/11 17:10	10/06/11 06:29	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**727**	ug/L	500	384	5		10/05/11 23:57	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	17.0	5		10/05/11 23:57	994-05-8	
Benzene	**667**	ug/L	25.0	8.5	5		10/05/11 23:57	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	160	5		10/05/11 23:57	624-95-3	
tert-Butyl Alcohol	ND	ug/L	500	288	5		10/05/11 23:57	75-65-0	
tert-Butyl Formate	ND	ug/L	250	36.5	5		10/05/11 23:57	762-75-4	
1,2-Dichloroethane	**25.0**	ug/L	25.0	9.0	5		10/05/11 23:57	107-06-2	
Diisopropyl ether	**173**	ug/L	25.0	8.5	5		10/05/11 23:57	108-20-3	
Ethanol	ND	ug/L	1000	689	5		10/05/11 23:57	64-17-5	
Ethylbenzene	ND	ug/L	25.0	8.0	5		10/05/11 23:57	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	18.0	5		10/05/11 23:57	637-92-3	
Methyl-tert-butyl ether	**26.0**	ug/L	25.0	8.5	5		10/05/11 23:57	1634-04-4	
Naphthalene	**53.5**	ug/L	25.0	10.0	5		10/05/11 23:57	91-20-3	
Toluene	ND	ug/L	25.0	8.0	5		10/05/11 23:57	108-88-3	
Xylene (Total)	**155**	ug/L	50.0	13.5	5		10/05/11 23:57	1330-20-7	
m&p-Xylene	**154**	ug/L	50.0	15.5	5		10/05/11 23:57	179601-23-1	
o-Xylene	ND	ug/L	25.0	8.0	5		10/05/11 23:57	95-47-6	
Dibromofluoromethane (S)	106	%	70-130		5		10/05/11 23:57	1868-53-7	
Toluene-d8 (S)	99	%	70-130		5		10/05/11 23:57	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		5		10/05/11 23:57	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		5		10/05/11 23:57	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-27 **Lab ID: 92103472019** Collected: 09/28/11 13:30 Received: 09/30/11 09:30 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	10/05/11 17:10	10/06/11 06:48	106-93-4	
1-Chloro-2-bromopropane (S)	91	%	60-140		1	10/05/11 17:10	10/06/11 06:48	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/07/11 20:27	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/07/11 20:27	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/07/11 20:27	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/07/11 20:27	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/07/11 20:27	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/07/11 20:27	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/07/11 20:27	107-06-2	
Diisopropyl ether	**11.9**	ug/L	5.0	1.7	1		10/07/11 20:27	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/07/11 20:27	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/07/11 20:27	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/07/11 20:27	637-92-3	
Methyl-tert-butyl ether	**23.7**	ug/L	5.0	1.7	1		10/07/11 20:27	1634-04-4	
Naphthalene	**4.2J**	ug/L	5.0	2.0	1		10/07/11 20:27	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		10/07/11 20:27	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		10/07/11 20:27	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		10/07/11 20:27	179601-23-1	
o-Xylene	**2.3J**	ug/L	5.0	1.6	1		10/07/11 20:27	95-47-6	
Dibromofluoromethane (S)	108	%	70-130		1		10/07/11 20:27	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/07/11 20:27	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		1		10/07/11 20:27	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		10/07/11 20:27	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-28 **Lab ID: 92103472020** Collected: 09/28/11 13:40 Received: 09/30/11 09:30 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)	**0.14**	ug/L	0.019	0.019	1	10/07/11 12:05	10/07/11 16:09	106-93-4	
1-Chloro-2-bromopropane (S)	111	%	60-140		1	10/07/11 12:05	10/07/11 16:09	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**4110**	ug/L	250	192	2.5		10/07/11 20:52	75-85-4	
tert-Amylmethyl ether	**277**	ug/L	25.0	8.5	2.5		10/07/11 20:52	994-05-8	
Benzene	**474**	ug/L	125	42.5	25		10/11/11 12:04	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	250	80.2	2.5		10/07/11 20:52	624-95-3	
tert-Butyl Alcohol	ND	ug/L	250	144	2.5		10/07/11 20:52	75-65-0	
tert-Butyl Formate	ND	ug/L	125	18.2	2.5		10/07/11 20:52	762-75-4	
1,2-Dichloroethane	**68.9**	ug/L	12.5	4.5	2.5		10/07/11 20:52	107-06-2	
Diisopropyl ether	**1440**	ug/L	125	42.5	25		10/11/11 12:04	108-20-3	
Ethanol	ND	ug/L	500	344	2.5		10/07/11 20:52	64-17-5	
Ethylbenzene	ND	ug/L	12.5	4.0	2.5		10/07/11 20:52	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	25.0	9.0	2.5		10/07/11 20:52	637-92-3	
Methyl-tert-butyl ether	**3090**	ug/L	125	42.5	25		10/11/11 12:04	1634-04-4	
Naphthalene	**21.2**	ug/L	12.5	5.0	2.5		10/07/11 20:52	91-20-3	
Toluene	ND	ug/L	12.5	4.0	2.5		10/07/11 20:52	108-88-3	
Xylene (Total)	**9.9J**	ug/L	25.0	6.8	2.5		10/07/11 20:52	1330-20-7	
m&p-Xylene	ND	ug/L	25.0	7.8	2.5		10/07/11 20:52	179601-23-1	
o-Xylene	**9.9J**	ug/L	12.5	4.0	2.5		10/07/11 20:52	95-47-6	
Dibromofluoromethane (S)	100	%	70-130		2.5		10/07/11 20:52	1868-53-7	
Toluene-d8 (S)	99	%	70-130		2.5		10/07/11 20:52	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		2.5		10/07/11 20:52	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		2.5		10/07/11 20:52	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-29 **Lab ID: 92103472021** Collected: 09/28/11 13:50 Received: 09/30/11 09:30 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	10/05/11 17:10	10/06/11 07:25	106-93-4	
1-Chloro-2-bromopropane (S)	106	%	60-140		1	10/05/11 17:10	10/06/11 07:25	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/06/11 00:52	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/06/11 00:52	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/06/11 00:52	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/06/11 00:52	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/06/11 00:52	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/06/11 00:52	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/06/11 00:52	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/06/11 00:52	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/06/11 00:52	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/06/11 00:52	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/06/11 00:52	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		10/06/11 00:52	1634-04-4	
Naphthalene	**5.7**	ug/L	5.0	2.0	1		10/06/11 00:52	91-20-3	
Toluene	**5.1**	ug/L	5.0	1.6	1		10/06/11 00:52	108-88-3	
Xylene (Total)	**9.6J**	ug/L	10.0	2.7	1		10/06/11 00:52	1330-20-7	
m&p-Xylene	**6.5J**	ug/L	10.0	3.1	1		10/06/11 00:52	179601-23-1	
o-Xylene	**3.2J**	ug/L	5.0	1.6	1		10/06/11 00:52	95-47-6	
Dibromofluoromethane (S)	104	%	70-130		1		10/06/11 00:52	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		10/06/11 00:52	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1		10/06/11 00:52	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		10/06/11 00:52	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-30 **Lab ID: 92103472022** Collected: 09/28/11 14:00 Received: 09/30/11 09:30 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	10/05/11 17:10	10/06/11 07:43	106-93-4	
1-Chloro-2-bromopropane (S)	103	%	60-140		1	10/05/11 17:10	10/06/11 07:43	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/06/11 01:10	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/06/11 01:10	994-05-8	
Benzene	**41.7**	ug/L	5.0	1.7	1		10/06/11 01:10	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/06/11 01:10	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/06/11 01:10	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/06/11 01:10	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/06/11 01:10	107-06-2	
Diisopropyl ether	**7.1**	ug/L	5.0	1.7	1		10/06/11 01:10	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/06/11 01:10	64-17-5	
Ethylbenzene	**5.5**	ug/L	5.0	1.6	1		10/06/11 01:10	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/06/11 01:10	637-92-3	
Methyl-tert-butyl ether	**70.0**	ug/L	5.0	1.7	1		10/06/11 01:10	1634-04-4	
Naphthalene	**49.0**	ug/L	5.0	2.0	1		10/06/11 01:10	91-20-3	
Toluene	**18.1**	ug/L	5.0	1.6	1		10/06/11 01:10	108-88-3	
Xylene (Total)	**77.0**	ug/L	10.0	2.7	1		10/06/11 01:10	1330-20-7	
m&p-Xylene	**61.7**	ug/L	10.0	3.1	1		10/06/11 01:10	179601-23-1	
o-Xylene	**15.3**	ug/L	5.0	1.6	1		10/06/11 01:10	95-47-6	
Dibromofluoromethane (S)	102	%	70-130		1		10/06/11 01:10	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		10/06/11 01:10	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		1		10/06/11 01:10	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		10/06/11 01:10	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-31 **Lab ID: 92103472023** Collected: 09/28/11 14:10 Received: 09/30/11 09:30 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	10/05/11 17:11	10/06/11 08:02	106-93-4	
1-Chloro-2-bromopropane (S)	106	%	60-140		1	10/05/11 17:11	10/06/11 08:02	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/07/11 15:09	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/07/11 15:09	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/07/11 15:09	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/07/11 15:09	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/07/11 15:09	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/07/11 15:09	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/07/11 15:09	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/07/11 15:09	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/07/11 15:09	64-17-5	
Ethylbenzene	**171**	ug/L	25.0	8.0	5		10/10/11 17:34	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/07/11 15:09	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		10/07/11 15:09	1634-04-4	
Naphthalene	**92.1**	ug/L	5.0	2.0	1		10/07/11 15:09	91-20-3	
Toluene	**112**	ug/L	5.0	1.6	1		10/07/11 15:09	108-88-3	
Xylene (Total)	**825**	ug/L	50.0	13.5	5		10/10/11 17:34	1330-20-7	
m&p-Xylene	**520**	ug/L	50.0	15.5	5		10/10/11 17:34	179601-23-1	
o-Xylene	**304**	ug/L	25.0	8.0	5		10/10/11 17:34	95-47-6	
Dibromofluoromethane (S)	103	%	70-130		1		10/07/11 15:09	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/07/11 15:09	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		10/07/11 15:09	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		10/07/11 15:09	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-32 **Lab ID: 92103472024** Collected: 09/28/11 14:20 Received: 09/30/11 09:30 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	10/05/11 17:11	10/06/11 08:20	106-93-4	
1-Chloro-2-bromopropane (S)	105	%	60-140		1	10/05/11 17:11	10/06/11 08:20	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/10/11 22:08	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/10/11 22:08	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/10/11 22:08	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/10/11 22:08	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/10/11 22:08	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/10/11 22:08	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/10/11 22:08	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/10/11 22:08	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/10/11 22:08	64-17-5	
Ethylbenzene	**4.4J**	ug/L	5.0	1.6	1		10/10/11 22:08	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/10/11 22:08	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		10/10/11 22:08	1634-04-4	
Naphthalene	**7.9**	ug/L	5.0	2.0	1		10/10/11 22:08	91-20-3	
Toluene	**43.7**	ug/L	5.0	1.6	1		10/10/11 22:08	108-88-3	
Xylene (Total)	**27.5**	ug/L	10.0	2.7	1		10/10/11 22:08	1330-20-7	
m&p-Xylene	**18.2**	ug/L	10.0	3.1	1		10/10/11 22:08	179601-23-1	
o-Xylene	**9.2**	ug/L	5.0	1.6	1		10/10/11 22:08	95-47-6	
Dibromofluoromethane (S)	98	%	70-130		1		10/10/11 22:08	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		10/10/11 22:08	2037-26-5	
4-Bromofluorobenzene (S)	92	%	70-130		1		10/10/11 22:08	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		10/10/11 22:08	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-34 **Lab ID: 92103472025** Collected: 09/28/11 14:30 Received: 09/30/11 09:30 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)	**6.3**	ug/L	0.20	0.20	10	10/05/11 17:11	10/06/11 18:43	106-93-4	
1-Chloro-2-bromopropane (S)	0	%	60-140		10	10/05/11 17:11	10/06/11 18:43	301-79-56	S4
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	25000	19200	250		10/07/11 15:55	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2500	850	250		10/07/11 15:55	994-05-8	
Benzene	**5120**	ug/L	1250	425	250		10/07/11 15:55	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	25000	8020	250		10/07/11 15:55	624-95-3	
tert-Butyl Alcohol	ND	ug/L	25000	14400	250		10/07/11 15:55	75-65-0	
tert-Butyl Formate	ND	ug/L	12500	1820	250		10/07/11 15:55	762-75-4	
1,2-Dichloroethane	ND	ug/L	1250	450	250		10/07/11 15:55	107-06-2	
Diisopropyl ether	**951J**	ug/L	1250	425	250		10/07/11 15:55	108-20-3	
Ethanol	ND	ug/L	50000	34400	250		10/07/11 15:55	64-17-5	
Ethylbenzene	**3980**	ug/L	1250	400	250		10/07/11 15:55	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2500	900	250		10/07/11 15:55	637-92-3	
Methyl-tert-butyl ether	**28200**	ug/L	1250	425	250		10/07/11 15:55	1634-04-4	
Naphthalene	**1790**	ug/L	1250	500	250		10/07/11 15:55	91-20-3	
Toluene	**38500**	ug/L	1250	400	250		10/07/11 15:55	108-88-3	
Xylene (Total)	**22600**	ug/L	2500	675	250		10/07/11 15:55	1330-20-7	
m&p-Xylene	**15600**	ug/L	2500	775	250		10/07/11 15:55	179601-23-1	
o-Xylene	**7050**	ug/L	1250	400	250		10/07/11 15:55	95-47-6	
Dibromofluoromethane (S)	98	%	70-130		250		10/07/11 15:55	1868-53-7	
Toluene-d8 (S)	92	%	70-130		250		10/07/11 15:55	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		250		10/07/11 15:55	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		250		10/07/11 15:55	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-35 **Lab ID: 92103472026** Collected: 09/28/11 14:40 Received: 09/30/11 09:30 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	10/05/11 17:11	10/06/11 08:57	106-93-4	
1-Chloro-2-bromopropane (S)	102	%	60-140		1	10/05/11 17:11	10/06/11 08:57	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/07/11 16:18	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/07/11 16:18	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/07/11 16:18	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/07/11 16:18	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/07/11 16:18	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/07/11 16:18	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/07/11 16:18	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/07/11 16:18	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/07/11 16:18	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/07/11 16:18	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/07/11 16:18	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		10/07/11 16:18	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		10/07/11 16:18	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		10/07/11 16:18	108-88-3	
Xylene (Total)	**2.9J**	ug/L	10.0	2.7	1		10/07/11 16:18	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		10/07/11 16:18	179601-23-1	
o-Xylene	**1.7J**	ug/L	5.0	1.6	1		10/07/11 16:18	95-47-6	
Dibromofluoromethane (S)	100	%	70-130		1		10/07/11 16:18	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		10/07/11 16:18	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		10/07/11 16:18	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		10/07/11 16:18	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-36 **Lab ID: 92103472027** Collected: 09/28/11 14:50 Received: 09/30/11 09:30 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	10/05/11 17:11	10/06/11 09:15	106-93-4	
1-Chloro-2-bromopropane (S)	103	%	60-140		1	10/05/11 17:11	10/06/11 09:15	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/07/11 16:41	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/07/11 16:41	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/07/11 16:41	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/07/11 16:41	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/07/11 16:41	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/07/11 16:41	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/07/11 16:41	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/07/11 16:41	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/07/11 16:41	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/07/11 16:41	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/07/11 16:41	637-92-3	
Methyl-tert-butyl ether	**2.0J**	ug/L	5.0	1.7	1		10/07/11 16:41	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		10/07/11 16:41	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		10/07/11 16:41	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		10/07/11 16:41	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		10/07/11 16:41	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		10/07/11 16:41	95-47-6	
Dibromofluoromethane (S)	101	%	70-130		1		10/07/11 16:41	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		10/07/11 16:41	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130		1		10/07/11 16:41	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		10/07/11 16:41	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-37 **Lab ID: 92103472028** Collected: 09/28/11 15:00 Received: 09/30/11 09:30 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	10/05/11 17:11	10/06/11 09:34	106-93-4	
1-Chloro-2-bromopropane (S)	100	%	60-140		1	10/05/11 17:11	10/06/11 09:34	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	200	154	2		10/07/11 17:04	75-85-4	
tert-Amylmethyl ether	ND	ug/L	20.0	6.8	2		10/07/11 17:04	994-05-8	
Benzene	ND	ug/L	10.0	3.4	2		10/07/11 17:04	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	200	64.2	2		10/07/11 17:04	624-95-3	
tert-Butyl Alcohol	ND	ug/L	200	115	2		10/07/11 17:04	75-65-0	
tert-Butyl Formate	ND	ug/L	100	14.6	2		10/07/11 17:04	762-75-4	
1,2-Dichloroethane	ND	ug/L	10.0	3.6	2		10/07/11 17:04	107-06-2	
Diisopropyl ether	ND	ug/L	10.0	3.4	2		10/07/11 17:04	108-20-3	
Ethanol	ND	ug/L	400	276	2		10/07/11 17:04	64-17-5	
Ethylbenzene	ND	ug/L	10.0	3.2	2		10/07/11 17:04	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	20.0	7.2	2		10/07/11 17:04	637-92-3	
Methyl-tert-butyl ether	**185**	ug/L	10.0	3.4	2		10/07/11 17:04	1634-04-4	
Naphthalene	ND	ug/L	10.0	4.0	2		10/07/11 17:04	91-20-3	
Toluene	ND	ug/L	10.0	3.2	2		10/07/11 17:04	108-88-3	
Xylene (Total)	ND	ug/L	20.0	5.4	2		10/07/11 17:04	1330-20-7	
m&p-Xylene	ND	ug/L	20.0	6.2	2		10/07/11 17:04	179601-23-1	
o-Xylene	ND	ug/L	10.0	3.2	2		10/07/11 17:04	95-47-6	
Dibromofluoromethane (S)	104	%	70-130		2		10/07/11 17:04	1868-53-7	
Toluene-d8 (S)	91	%	70-130		2		10/07/11 17:04	2037-26-5	
4-Bromofluorobenzene (S)	92	%	70-130		2		10/07/11 17:04	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		2		10/07/11 17:04	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-38 **Lab ID: 92103472029** Collected: 09/28/11 15:10 Received: 09/30/11 09:30 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	10/05/11 17:11	10/06/11 09:52	106-93-4	
1-Chloro-2-bromopropane (S)	101	%	60-140		1	10/05/11 17:11	10/06/11 09:52	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/10/11 22:26	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/10/11 22:26	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/10/11 22:26	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/10/11 22:26	624-95-3	
tert-Butyl Alcohol	**320**	ug/L	100	57.7	1		10/10/11 22:26	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/10/11 22:26	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/10/11 22:26	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/10/11 22:26	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/10/11 22:26	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/10/11 22:26	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/10/11 22:26	637-92-3	
Methyl-tert-butyl ether	**7.0**	ug/L	5.0	1.7	1		10/10/11 22:26	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		10/10/11 22:26	91-20-3	
Toluene	**10.9**	ug/L	5.0	1.6	1		10/10/11 22:26	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		10/10/11 22:26	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		10/10/11 22:26	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		10/10/11 22:26	95-47-6	
Dibromofluoromethane (S)	95	%	70-130		1		10/10/11 22:26	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		10/10/11 22:26	2037-26-5	
4-Bromofluorobenzene (S)	92	%	70-130		1		10/10/11 22:26	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		10/10/11 22:26	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-39 **Lab ID: 92103472030** Collected: 09/28/11 15:20 Received: 09/30/11 09:30 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	10/05/11 17:12	10/06/11 10:11	106-93-4	
1-Chloro-2-bromopropane (S)	106	%	60-140		1	10/05/11 17:12	10/06/11 10:11	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/07/11 17:49	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/07/11 17:49	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/07/11 17:49	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/07/11 17:49	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/07/11 17:49	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/07/11 17:49	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/07/11 17:49	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/07/11 17:49	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/07/11 17:49	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/07/11 17:49	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/07/11 17:49	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		10/07/11 17:49	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		10/07/11 17:49	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		10/07/11 17:49	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		10/07/11 17:49	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		10/07/11 17:49	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		10/07/11 17:49	95-47-6	
Dibromofluoromethane (S)	105	%	70-130		1		10/07/11 17:49	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		10/07/11 17:49	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130		1		10/07/11 17:49	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		1		10/07/11 17:49	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-40 **Lab ID: 92103472031** Collected: 09/28/11 15:30 Received: 09/30/11 09:30 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	10/05/11 17:12	10/06/11 10:29	106-93-4	
1-Chloro-2-bromopropane (S)	103	%	60-140		1	10/05/11 17:12	10/06/11 10:29	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/07/11 18:12	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/07/11 18:12	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/07/11 18:12	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/07/11 18:12	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/07/11 18:12	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/07/11 18:12	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/07/11 18:12	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/07/11 18:12	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/07/11 18:12	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/07/11 18:12	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/07/11 18:12	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		10/07/11 18:12	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		10/07/11 18:12	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		10/07/11 18:12	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		10/07/11 18:12	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		10/07/11 18:12	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		10/07/11 18:12	95-47-6	
Dibromofluoromethane (S)	105	%	70-130		1		10/07/11 18:12	1868-53-7	
Toluene-d8 (S)	89	%	70-130		1		10/07/11 18:12	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		1		10/07/11 18:12	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		10/07/11 18:12	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-41 **Lab ID: 92103472032** Collected: 09/28/11 15:40 Received: 09/30/11 09:30 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	10/05/11 17:12	10/06/11 10:47	106-93-4	
1-Chloro-2-bromopropane (S)	105	%	60-140		1	10/05/11 17:12	10/06/11 10:47	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/07/11 18:35	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/07/11 18:35	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/07/11 18:35	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/07/11 18:35	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/07/11 18:35	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/07/11 18:35	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/07/11 18:35	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/07/11 18:35	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/07/11 18:35	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/07/11 18:35	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/07/11 18:35	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		10/07/11 18:35	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		10/07/11 18:35	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		10/07/11 18:35	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		10/07/11 18:35	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		10/07/11 18:35	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		10/07/11 18:35	95-47-6	
Dibromofluoromethane (S)	104	%	70-130		1		10/07/11 18:35	1868-53-7	
Toluene-d8 (S)	89	%	70-130		1		10/07/11 18:35	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		10/07/11 18:35	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		10/07/11 18:35	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-42 **Lab ID: 92103472033** Collected: 09/28/11 15:50 Received: 09/30/11 09:30 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	10/06/11 15:16	10/06/11 20:15	106-93-4	
1-Chloro-2-bromopropane (S)	110	%	60-140		1	10/06/11 15:16	10/06/11 20:15	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/07/11 18:57	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/07/11 18:57	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/07/11 18:57	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/07/11 18:57	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/07/11 18:57	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/07/11 18:57	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/07/11 18:57	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/07/11 18:57	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/07/11 18:57	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/07/11 18:57	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/07/11 18:57	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		10/07/11 18:57	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		10/07/11 18:57	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		10/07/11 18:57	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		10/07/11 18:57	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		10/07/11 18:57	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		10/07/11 18:57	95-47-6	
Dibromofluoromethane (S)	106	%	70-130		1		10/07/11 18:57	1868-53-7	
Toluene-d8 (S)	89	%	70-130		1		10/07/11 18:57	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130		1		10/07/11 18:57	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130		1		10/07/11 18:57	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-43 **Lab ID: 92103472034** Collected: 09/28/11 16:00 Received: 09/30/11 09:30 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	10/06/11 15:17	10/06/11 21:10	106-93-4	
1-Chloro-2-bromopropane (S)	104	%	60-140		1	10/06/11 15:17	10/06/11 21:10	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/07/11 19:20	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/07/11 19:20	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/07/11 19:20	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/07/11 19:20	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/07/11 19:20	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/07/11 19:20	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/07/11 19:20	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/07/11 19:20	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/07/11 19:20	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/07/11 19:20	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/07/11 19:20	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		10/07/11 19:20	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		10/07/11 19:20	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		10/07/11 19:20	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		10/07/11 19:20	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		10/07/11 19:20	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		10/07/11 19:20	95-47-6	
Dibromofluoromethane (S)	105	%	70-130		1		10/07/11 19:20	1868-53-7	
Toluene-d8 (S)	88	%	70-130		1		10/07/11 19:20	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130		1		10/07/11 19:20	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130		1		10/07/11 19:20	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-44 **Lab ID: 92103472035** Collected: 09/28/11 16:10 Received: 09/30/11 09:30 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)	**0.14**	ug/L	0.020	0.020	1	10/06/11 15:18	10/06/11 21:46	106-93-4	
1-Chloro-2-bromopropane (S)	112	%	60-140		1	10/06/11 15:18	10/06/11 21:46	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	500	384	5		10/07/11 19:43	75-85-4	
tert-Amylmethyl ether	**19.1J**	ug/L	50.0	17.0	5		10/07/11 19:43	994-05-8	
Benzene	ND	ug/L	25.0	8.5	5		10/07/11 19:43	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	160	5		10/07/11 19:43	624-95-3	
tert-Butyl Alcohol	ND	ug/L	500	288	5		10/07/11 19:43	75-65-0	
tert-Butyl Formate	ND	ug/L	250	36.5	5		10/07/11 19:43	762-75-4	
1,2-Dichloroethane	ND	ug/L	25.0	9.0	5		10/07/11 19:43	107-06-2	
Diisopropyl ether	**145**	ug/L	25.0	8.5	5		10/07/11 19:43	108-20-3	
Ethanol	ND	ug/L	1000	689	5		10/07/11 19:43	64-17-5	
Ethylbenzene	ND	ug/L	25.0	8.0	5		10/07/11 19:43	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	18.0	5		10/07/11 19:43	637-92-3	
Methyl-tert-butyl ether	**478**	ug/L	25.0	8.5	5		10/07/11 19:43	1634-04-4	
Naphthalene	ND	ug/L	25.0	10.0	5		10/07/11 19:43	91-20-3	
Toluene	ND	ug/L	25.0	8.0	5		10/07/11 19:43	108-88-3	
Xylene (Total)	ND	ug/L	50.0	13.5	5		10/07/11 19:43	1330-20-7	
m&p-Xylene	ND	ug/L	50.0	15.5	5		10/07/11 19:43	179601-23-1	
o-Xylene	ND	ug/L	25.0	8.0	5		10/07/11 19:43	95-47-6	
Dibromofluoromethane (S)	106	%	70-130		5		10/07/11 19:43	1868-53-7	
Toluene-d8 (S)	88	%	70-130		5		10/07/11 19:43	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130		5		10/07/11 19:43	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130		5		10/07/11 19:43	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-45 **Lab ID: 92103472036** Collected: 09/28/11 16:20 Received: 09/30/11 09:30 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	10/06/11 15:18	10/06/11 22:05	106-93-4	
1-Chloro-2-bromopropane (S)	103	%	60-140		1	10/06/11 15:18	10/06/11 22:05	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/07/11 20:06	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/07/11 20:06	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/07/11 20:06	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/07/11 20:06	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/07/11 20:06	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/07/11 20:06	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/07/11 20:06	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/07/11 20:06	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/07/11 20:06	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/07/11 20:06	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/07/11 20:06	637-92-3	
Methyl-tert-butyl ether	**9.0**	ug/L	5.0	1.7	1		10/07/11 20:06	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		10/07/11 20:06	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		10/07/11 20:06	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		10/07/11 20:06	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		10/07/11 20:06	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		10/07/11 20:06	95-47-6	
Dibromofluoromethane (S)	106	%	70-130		1		10/07/11 20:06	1868-53-7	
Toluene-d8 (S)	88	%	70-130		1		10/07/11 20:06	2037-26-5	
4-Bromofluorobenzene (S)	92	%	70-130		1		10/07/11 20:06	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130		1		10/07/11 20:06	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-46 **Lab ID: 92103472037** Collected: 09/28/11 16:30 Received: 09/30/11 09:30 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	10/06/11 15:18	10/06/11 22:23	106-93-4	
1-Chloro-2-bromopropane (S)	105	%	60-140		1	10/06/11 15:18	10/06/11 22:23	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/07/11 20:29	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/07/11 20:29	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/07/11 20:29	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/07/11 20:29	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/07/11 20:29	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/07/11 20:29	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/07/11 20:29	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/07/11 20:29	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/07/11 20:29	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/07/11 20:29	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/07/11 20:29	637-92-3	
Methyl-tert-butyl ether	**2.8J**	ug/L	5.0	1.7	1		10/07/11 20:29	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		10/07/11 20:29	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		10/07/11 20:29	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		10/07/11 20:29	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		10/07/11 20:29	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		10/07/11 20:29	95-47-6	
Dibromofluoromethane (S)	108	%	70-130		1		10/07/11 20:29	1868-53-7	
Toluene-d8 (S)	88	%	70-130		1		10/07/11 20:29	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		10/07/11 20:29	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130		1		10/07/11 20:29	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-47 **Lab ID: 92103472038** Collected: 09/28/11 16:40 Received: 09/30/11 09:30 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	10/06/11 15:19	10/06/11 22:41	106-93-4	
1-Chloro-2-bromopropane (S)	63	%	60-140		1	10/06/11 15:19	10/06/11 22:41	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/07/11 20:52	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/07/11 20:52	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/07/11 20:52	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/07/11 20:52	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/07/11 20:52	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/07/11 20:52	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/07/11 20:52	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/07/11 20:52	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/07/11 20:52	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/07/11 20:52	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/07/11 20:52	637-92-3	
Methyl-tert-butyl ether	**52.3**	ug/L	5.0	1.7	1		10/07/11 20:52	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		10/07/11 20:52	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		10/07/11 20:52	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		10/07/11 20:52	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		10/07/11 20:52	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		10/07/11 20:52	95-47-6	
Dibromofluoromethane (S)	106	%	70-130		1		10/07/11 20:52	1868-53-7	
Toluene-d8 (S)	88	%	70-130		1		10/07/11 20:52	2037-26-5	
4-Bromofluorobenzene (S)	87	%	70-130		1		10/07/11 20:52	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130		1		10/07/11 20:52	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-48 **Lab ID: 92103472039** Collected: 09/28/11 16:50 Received: 09/30/11 09:30 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	10/06/11 15:19	10/06/11 22:59	106-93-4	
1-Chloro-2-bromopropane (S)	102	%	60-140		1	10/06/11 15:19	10/06/11 22:59	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/07/11 21:15	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/07/11 21:15	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/07/11 21:15	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/07/11 21:15	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/07/11 21:15	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/07/11 21:15	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/07/11 21:15	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/07/11 21:15	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/07/11 21:15	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/07/11 21:15	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/07/11 21:15	637-92-3	
Methyl-tert-butyl ether	**1.8J**	ug/L	5.0	1.7	1		10/07/11 21:15	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		10/07/11 21:15	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		10/07/11 21:15	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		10/07/11 21:15	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		10/07/11 21:15	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		10/07/11 21:15	95-47-6	
Dibromofluoromethane (S)	108	%	70-130		1		10/07/11 21:15	1868-53-7	
Toluene-d8 (S)	89	%	70-130		1		10/07/11 21:15	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		1		10/07/11 21:15	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-130		1		10/07/11 21:15	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-49 **Lab ID: 92103472040** Collected: 09/28/11 17:00 Received: 09/30/11 09:30 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	10/06/11 15:19	10/06/11 23:17	106-93-4	
1-Chloro-2-bromopropane (S)	105	%	60-140		1	10/06/11 15:19	10/06/11 23:17	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/07/11 21:37	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/07/11 21:37	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/07/11 21:37	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/07/11 21:37	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/07/11 21:37	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/07/11 21:37	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/07/11 21:37	107-06-2	
Diisopropyl ether	**3.0J**	ug/L	5.0	1.7	1		10/07/11 21:37	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/07/11 21:37	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/07/11 21:37	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/07/11 21:37	637-92-3	
Methyl-tert-butyl ether	**44.9**	ug/L	5.0	1.7	1		10/07/11 21:37	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		10/07/11 21:37	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		10/07/11 21:37	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		10/07/11 21:37	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		10/07/11 21:37	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		10/07/11 21:37	95-47-6	
Dibromofluoromethane (S)	106	%	70-130		1		10/07/11 21:37	1868-53-7	
Toluene-d8 (S)	88	%	70-130		1		10/07/11 21:37	2037-26-5	
4-Bromofluorobenzene (S)	87	%	70-130		1		10/07/11 21:37	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		10/07/11 21:37	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-50 **Lab ID: 92103472041** Collected: 09/28/11 17:10 Received: 09/30/11 09:30 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	10/06/11 15:20	10/06/11 23:35	106-93-4	
1-Chloro-2-bromopropane (S)	106	%	60-140		1	10/06/11 15:20	10/06/11 23:35	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	200	154	2		10/10/11 22:44	75-85-4	
tert-Amylmethyl ether	ND	ug/L	20.0	6.8	2		10/10/11 22:44	994-05-8	
Benzene	**24.2**	ug/L	10.0	3.4	2		10/10/11 22:44	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	200	64.2	2		10/10/11 22:44	624-95-3	
tert-Butyl Alcohol	ND	ug/L	200	115	2		10/10/11 22:44	75-65-0	
tert-Butyl Formate	ND	ug/L	100	14.6	2		10/10/11 22:44	762-75-4	
1,2-Dichloroethane	ND	ug/L	10.0	3.6	2		10/10/11 22:44	107-06-2	
Diisopropyl ether	ND	ug/L	10.0	3.4	2		10/10/11 22:44	108-20-3	
Ethanol	ND	ug/L	400	276	2		10/10/11 22:44	64-17-5	
Ethylbenzene	**193**	ug/L	10.0	3.2	2		10/10/11 22:44	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	20.0	7.2	2		10/10/11 22:44	637-92-3	
Methyl-tert-butyl ether	**34.9**	ug/L	10.0	3.4	2		10/10/11 22:44	1634-04-4	
Naphthalene	**91.8**	ug/L	10.0	4.0	2		10/10/11 22:44	91-20-3	
Toluene	**14.7**	ug/L	10.0	3.2	2		10/10/11 22:44	108-88-3	
Xylene (Total)	**347**	ug/L	20.0	5.4	2		10/10/11 22:44	1330-20-7	
m&p-Xylene	**345**	ug/L	20.0	6.2	2		10/10/11 22:44	179601-23-1	
o-Xylene	ND	ug/L	10.0	3.2	2		10/10/11 22:44	95-47-6	
Dibromofluoromethane (S)	85	%	70-130		2		10/10/11 22:44	1868-53-7	
Toluene-d8 (S)	102	%	70-130		2		10/10/11 22:44	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		2		10/10/11 22:44	460-00-4	
1,2-Dichloroethane-d4 (S)	83	%	70-130		2		10/10/11 22:44	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-51 **Lab ID: 92103472042** Collected: 09/28/11 17:20 Received: 09/30/11 09:30 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)	**0.69**	ug/L	0.020	0.020	1	10/06/11 15:20	10/06/11 23:54	106-93-4	
1-Chloro-2-bromopropane (S)	91	%	60-140		1	10/06/11 15:20	10/06/11 23:54	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	5000	3840	50		10/07/11 22:23	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	170	50		10/07/11 22:23	994-05-8	
Benzene	**4410**	ug/L	250	85.0	50		10/07/11 22:23	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	1600	50		10/07/11 22:23	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	2880	50		10/07/11 22:23	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	365	50		10/07/11 22:23	762-75-4	
1,2-Dichloroethane	ND	ug/L	250	90.0	50		10/07/11 22:23	107-06-2	
Diisopropyl ether	**105J**	ug/L	250	85.0	50		10/07/11 22:23	108-20-3	
Ethanol	ND	ug/L	10000	6890	50		10/07/11 22:23	64-17-5	
Ethylbenzene	**3970**	ug/L	250	80.0	50		10/07/11 22:23	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	180	50		10/07/11 22:23	637-92-3	
Methyl-tert-butyl ether	**270**	ug/L	250	85.0	50		10/07/11 22:23	1634-04-4	
Naphthalene	**517**	ug/L	250	100	50		10/07/11 22:23	91-20-3	
Toluene	**5820**	ug/L	250	80.0	50		10/07/11 22:23	108-88-3	
Xylene (Total)	**12300**	ug/L	500	135	50		10/07/11 22:23	1330-20-7	
m&p-Xylene	**5460**	ug/L	500	155	50		10/07/11 22:23	179601-23-1	
o-Xylene	**6790**	ug/L	250	80.0	50		10/07/11 22:23	95-47-6	
Dibromofluoromethane (S)	106	%	70-130		50		10/07/11 22:23	1868-53-7	
Toluene-d8 (S)	91	%	70-130		50		10/07/11 22:23	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		50		10/07/11 22:23	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		50		10/07/11 22:23	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-52 **Lab ID: 92103472043** Collected: 09/28/11 17:30 Received: 09/30/11 09:30 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	10/06/11 15:20	10/07/11 00:12	106-93-4	
1-Chloro-2-bromopropane (S)	100	%	60-140		1	10/06/11 15:20	10/07/11 00:12	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/06/11 16:36	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/06/11 16:36	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/06/11 16:36	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/06/11 16:36	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/06/11 16:36	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/06/11 16:36	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/06/11 16:36	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/06/11 16:36	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/06/11 16:36	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/06/11 16:36	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/06/11 16:36	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		10/06/11 16:36	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		10/06/11 16:36	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		10/06/11 16:36	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		10/06/11 16:36	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		10/06/11 16:36	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		10/06/11 16:36	95-47-6	
Dibromofluoromethane (S)	102	%	70-130		1		10/06/11 16:36	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		10/06/11 16:36	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		10/06/11 16:36	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		10/06/11 16:36	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-54 **Lab ID: 92103472044** Collected: 09/28/11 19:30 Received: 09/30/11 09:30 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	10/06/11 15:21	10/07/11 00:31	106-93-4	
1-Chloro-2-bromopropane (S)	106	%	60-140		1	10/06/11 15:21	10/07/11 00:31	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/06/11 17:44	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/06/11 17:44	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/06/11 17:44	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/06/11 17:44	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/06/11 17:44	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/06/11 17:44	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/06/11 17:44	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/06/11 17:44	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/06/11 17:44	64-17-5	
Ethylbenzene	**7.6**	ug/L	5.0	1.6	1		10/06/11 17:44	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/06/11 17:44	637-92-3	
Methyl-tert-butyl ether	**2.7J**	ug/L	5.0	1.7	1		10/06/11 17:44	1634-04-4	
Naphthalene	**8.5**	ug/L	5.0	2.0	1		10/06/11 17:44	91-20-3	
Toluene	**15.0**	ug/L	5.0	1.6	1		10/06/11 17:44	108-88-3	
Xylene (Total)	**44.0**	ug/L	10.0	2.7	1		10/06/11 17:44	1330-20-7	
m&p-Xylene	**30.8**	ug/L	10.0	3.1	1		10/06/11 17:44	179601-23-1	
o-Xylene	**13.1**	ug/L	5.0	1.6	1		10/06/11 17:44	95-47-6	
Dibromofluoromethane (S)	103	%	70-130		1		10/06/11 17:44	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		10/06/11 17:44	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		10/06/11 17:44	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		10/06/11 17:44	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: MW-56 **Lab ID: 92103472045** Collected: 09/28/11 20:10 Received: 09/30/11 09:30 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	10/06/11 15:21	10/07/11 00:49	106-93-4	
1-Chloro-2-bromopropane (S)	106	%	60-140		1	10/06/11 15:21	10/07/11 00:49	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/06/11 18:07	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/06/11 18:07	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/06/11 18:07	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/06/11 18:07	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/06/11 18:07	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/06/11 18:07	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/06/11 18:07	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/06/11 18:07	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/06/11 18:07	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/06/11 18:07	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/06/11 18:07	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		10/06/11 18:07	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		10/06/11 18:07	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		10/06/11 18:07	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		10/06/11 18:07	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		10/06/11 18:07	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		10/06/11 18:07	95-47-6	
Dibromofluoromethane (S)	104	%	70-130		1		10/06/11 18:07	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		10/06/11 18:07	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		1		10/06/11 18:07	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		10/06/11 18:07	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: SW-1 **Lab ID: 92103472046** Collected: 09/28/11 20:20 Received: 09/30/11 09:30 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	10/06/11 15:21	10/07/11 01:07	106-93-4	
1-Chloro-2-bromopropane (S)	104	%	60-140		1	10/06/11 15:21	10/07/11 01:07	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**191**	ug/L	100	76.8	1		10/06/11 21:56	75-85-4	
tert-Amylmethyl ether	**20.2**	ug/L	10.0	3.4	1		10/06/11 21:56	994-05-8	
Benzene	**150**	ug/L	5.0	1.7	1		10/06/11 21:56	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/06/11 21:56	624-95-3	
tert-Butyl Alcohol	**98.1J**	ug/L	100	57.7	1		10/06/11 21:56	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/06/11 21:56	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/06/11 21:56	107-06-2	
Diisopropyl ether	**34.5**	ug/L	5.0	1.7	1		10/06/11 21:56	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/06/11 21:56	64-17-5	
Ethylbenzene	**60.6**	ug/L	5.0	1.6	1		10/06/11 21:56	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/06/11 21:56	637-92-3	
Methyl-tert-butyl ether	**374**	ug/L	12.5	4.2	2.5		10/07/11 17:54	1634-04-4	
Naphthalene	**12.0**	ug/L	5.0	2.0	1		10/06/11 21:56	91-20-3	
Toluene	**41.2**	ug/L	5.0	1.6	1		10/06/11 21:56	108-88-3	
Xylene (Total)	**64.5**	ug/L	10.0	2.7	1		10/06/11 21:56	1330-20-7	
m&p-Xylene	**40.7**	ug/L	10.0	3.1	1		10/06/11 21:56	179601-23-1	
o-Xylene	**23.8**	ug/L	5.0	1.6	1		10/06/11 21:56	95-47-6	
Dibromofluoromethane (S)	103	%	70-130		1		10/06/11 21:56	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		10/06/11 21:56	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		1		10/06/11 21:56	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		10/06/11 21:56	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: T-1 **Lab ID: 92103472047** Collected: 09/28/11 17:50 Received: 09/30/11 09:30 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	10/06/11 15:21	10/07/11 01:26	106-93-4	
1-Chloro-2-bromopropane (S)	105	%	60-140		1	10/06/11 15:21	10/07/11 01:26	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/06/11 16:59	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/06/11 16:59	994-05-8	
Benzene	**14.8**	ug/L	5.0	1.7	1		10/06/11 16:59	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/06/11 16:59	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/06/11 16:59	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/06/11 16:59	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/06/11 16:59	107-06-2	
Diisopropyl ether	**35.7**	ug/L	5.0	1.7	1		10/06/11 16:59	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/06/11 16:59	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/06/11 16:59	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/06/11 16:59	637-92-3	
Methyl-tert-butyl ether	**50.2**	ug/L	5.0	1.7	1		10/06/11 16:59	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		10/06/11 16:59	91-20-3	
Toluene	**4.3J**	ug/L	5.0	1.6	1		10/06/11 16:59	108-88-3	
Xylene (Total)	**11.0**	ug/L	10.0	2.7	1		10/06/11 16:59	1330-20-7	
m&p-Xylene	**6.7J**	ug/L	10.0	3.1	1		10/06/11 16:59	179601-23-1	
o-Xylene	**4.3J**	ug/L	5.0	1.6	1		10/06/11 16:59	95-47-6	
Dibromofluoromethane (S)	105	%	70-130		1		10/06/11 16:59	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		10/06/11 16:59	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		1		10/06/11 16:59	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		10/06/11 16:59	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: T-2 **Lab ID: 92103472048** Collected: 09/28/11 18:10 Received: 09/30/11 09:30 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	10/06/11 15:22	10/07/11 01:44	106-93-4	
1-Chloro-2-bromopropane (S)	105	%	60-140		1	10/06/11 15:22	10/07/11 01:44	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/06/11 17:22	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/06/11 17:22	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/06/11 17:22	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/06/11 17:22	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/06/11 17:22	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/06/11 17:22	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/06/11 17:22	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/06/11 17:22	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/06/11 17:22	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/06/11 17:22	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/06/11 17:22	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		10/06/11 17:22	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		10/06/11 17:22	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		10/06/11 17:22	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		10/06/11 17:22	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		10/06/11 17:22	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		10/06/11 17:22	95-47-6	
Dibromofluoromethane (S)	103	%	70-130		1		10/06/11 17:22	1868-53-7	
Toluene-d8 (S)	90	%	70-130		1		10/06/11 17:22	2037-26-5	
4-Bromofluorobenzene (S)	92	%	70-130		1		10/06/11 17:22	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		10/06/11 17:22	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: T-3 **Lab ID: 92103472049** Collected: 09/28/11 18:30 Received: 09/30/11 09:30 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)	**0.12**	ug/L	0.020	0.020	1	10/06/11 15:22	10/07/11 02:03	106-93-4	
1-Chloro-2-bromopropane (S)	106	%	60-140		1	10/06/11 15:22	10/07/11 02:03	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	500	384	5		10/06/11 22:18	75-85-4	
tert-Amylmethyl ether	**20.4J**	ug/L	50.0	17.0	5		10/06/11 22:18	994-05-8	
Benzene	ND	ug/L	25.0	8.5	5		10/06/11 22:18	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	160	5		10/06/11 22:18	624-95-3	
tert-Butyl Alcohol	ND	ug/L	500	288	5		10/06/11 22:18	75-65-0	
tert-Butyl Formate	ND	ug/L	250	36.5	5		10/06/11 22:18	762-75-4	
1,2-Dichloroethane	ND	ug/L	25.0	9.0	5		10/06/11 22:18	107-06-2	
Diisopropyl ether	**226**	ug/L	25.0	8.5	5		10/06/11 22:18	108-20-3	
Ethanol	ND	ug/L	1000	689	5		10/06/11 22:18	64-17-5	
Ethylbenzene	ND	ug/L	25.0	8.0	5		10/06/11 22:18	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	18.0	5		10/06/11 22:18	637-92-3	
Methyl-tert-butyl ether	**687**	ug/L	25.0	8.5	5		10/06/11 22:18	1634-04-4	
Naphthalene	ND	ug/L	25.0	10.0	5		10/06/11 22:18	91-20-3	
Toluene	ND	ug/L	25.0	8.0	5		10/06/11 22:18	108-88-3	
Xylene (Total)	ND	ug/L	50.0	13.5	5		10/06/11 22:18	1330-20-7	
m&p-Xylene	ND	ug/L	50.0	15.5	5		10/06/11 22:18	179601-23-1	
o-Xylene	ND	ug/L	25.0	8.0	5		10/06/11 22:18	95-47-6	
Dibromofluoromethane (S)	104	%	70-130		5		10/06/11 22:18	1868-53-7	
Toluene-d8 (S)	90	%	70-130		5		10/06/11 22:18	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		5		10/06/11 22:18	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		5		10/06/11 22:18	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: T-4 **Lab ID: 92103472050** Collected: 09/28/11 18:50 Received: 09/30/11 09:30 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	10/06/11 15:22	10/07/11 02:21	106-93-4	
1-Chloro-2-bromopropane (S)	104	%	60-140		1	10/06/11 15:22	10/07/11 02:21	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/07/11 21:17	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/07/11 21:17	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/07/11 21:17	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/07/11 21:17	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/07/11 21:17	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/07/11 21:17	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/07/11 21:17	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/07/11 21:17	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/07/11 21:17	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/07/11 21:17	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/07/11 21:17	637-92-3	
Methyl-tert-butyl ether	**6.7**	ug/L	5.0	1.7	1		10/07/11 21:17	1634-04-4	
Naphthalene	**4.2J**	ug/L	5.0	2.0	1		10/07/11 21:17	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		10/07/11 21:17	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		10/07/11 21:17	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		10/07/11 21:17	179601-23-1	
o-Xylene	**2.5J**	ug/L	5.0	1.6	1		10/07/11 21:17	95-47-6	
Dibromofluoromethane (S)	108	%	70-130		1		10/07/11 21:17	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		10/07/11 21:17	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		1		10/07/11 21:17	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		10/07/11 21:17	17060-07-0	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 92103472

Sample: T-5 **Lab ID: 92103472051** Collected: 09/28/11 19:10 Received: 09/30/11 09:30 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	10/06/11 15:22	10/07/11 02:39	106-93-4	
1-Chloro-2-bromopropane (S)	107	%	60-140		1	10/06/11 15:22	10/07/11 02:39	301-79-56	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		10/06/11 18:30	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		10/06/11 18:30	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/06/11 18:30	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		10/06/11 18:30	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		10/06/11 18:30	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		10/06/11 18:30	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		10/06/11 18:30	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		10/06/11 18:30	108-20-3	
Ethanol	ND	ug/L	200	138	1		10/06/11 18:30	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		10/06/11 18:30	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		10/06/11 18:30	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		10/06/11 18:30	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		10/06/11 18:30	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		10/06/11 18:30	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		10/06/11 18:30	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		10/06/11 18:30	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		10/06/11 18:30	95-47-6	
Dibromofluoromethane (S)	105	%	70-130		1		10/06/11 18:30	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		10/06/11 18:30	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		10/06/11 18:30	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		10/06/11 18:30	17060-07-0	

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 92103472

QC Batch: OEXT/15085 — Analysis Method: EPA 8011
QC Batch Method: EPA 8011 — Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 92103472001, 92103472002, 92103472003, 92103472004, 92103472005, 92103472006, 92103472007, 92103472008, 92103472009, 92103472010, 92103472011, 92103472012

METHOD BLANK: 668504 — Matrix: Water
Associated Lab Samples: 92103472001, 92103472002, 92103472003, 92103472004, 92103472005, 92103472006, 92103472007, 92103472008, 92103472009, 92103472010, 92103472011, 92103472012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	10/05/11 18:51	
1-Chloro-2-bromopropane (S)	%	104	60-140	10/05/11 18:51	

LABORATORY CONTROL SAMPLE & LCSD: 668505 668506

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.28	0.29	0.29	104	104	60-140	1	20	
1-Chloro-2-bromopropane (S)	%				104	103	60-140			

SAMPLE DUPLICATE: 668507

Parameter	Units	92103433001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	103	103	0		

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 92103472

QC Batch: OEXT/15086 — Analysis Method: EPA 8011
QC Batch Method: EPA 8011 — Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 92103472013, 92103472014, 92103472015, 92103472016, 92103472017, 92103472018, 92103472019, 92103472021, 92103472022, 92103472023, 92103472024, 92103472025, 92103472026, 92103472027, 92103472028, 92103472029, 92103472030, 92103472031, 92103472032

METHOD BLANK: 668510 — Matrix: Water
Associated Lab Samples: 92103472013, 92103472014, 92103472015, 92103472016, 92103472017, 92103472018, 92103472019, 92103472021, 92103472022, 92103472023, 92103472024, 92103472025, 92103472026, 92103472027, 92103472028, 92103472029, 92103472030, 92103472031, 92103472032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	10/06/11 03:06	
1-Chloro-2-bromopropane (S)	%	104	60-140	10/06/11 03:06	

LABORATORY CONTROL SAMPLE & LCSD: 668511 668512

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.28	0.30	0.32	106	110	60-140	7	20	
1-Chloro-2-bromopropane (S)	%				106	104	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 668514 668515

Parameter	Units	92103472014 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	0.11	.28	.28	0.41	0.43	109	113	60-140	3	20	
1-Chloro-2-bromopropane (S)	%						109	115	60-140			

SAMPLE DUPLICATE: 668513

Parameter	Units	92103472013 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	101	91	8		

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 92103472

QC Batch: OEXT/15095 — Analysis Method: EPA 8011
QC Batch Method: EPA 8011 — Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 92103472033, 92103472034, 92103472035, 92103472036, 92103472037, 92103472038, 92103472039, 92103472040, 92103472041, 92103472042, 92103472043, 92103472044, 92103472045, 92103472046, 92103472047, 92103472048, 92103472049, 92103472050, 92103472051

METHOD BLANK: 669121 — Matrix: Water
Associated Lab Samples: 92103472033, 92103472034, 92103472035, 92103472036, 92103472037, 92103472038, 92103472039, 92103472040, 92103472041, 92103472042, 92103472043, 92103472044, 92103472045, 92103472046, 92103472047, 92103472048, 92103472049, 92103472050, 92103472051

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	10/06/11 19:20	
1-Chloro-2-bromopropane (S)	%	103	60-140	10/06/11 19:20	

LABORATORY CONTROL SAMPLE & LCSD: 669122 669123

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.28	0.30	0.30	106	106	60-140	1	20	
1-Chloro-2-bromopropane (S)	%				104	104	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 669124 669125

Parameter	Units	92103472033 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	.28	.28	0.34	0.36	122	128	60-140	5	20	
1-Chloro-2-bromopropane (S)	%						113	120	60-140			

SAMPLE DUPLICATE: 669126

Parameter	Units	92103472034 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	104	101	3		

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 92103472

QC Batch: OEXT/15107
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 92103472020

METHOD BLANK: 669751
Matrix: Water
Associated Lab Samples: 92103472020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	10/07/11 13:20	
1-Chloro-2-bromopropane (S)	%	102	60-140	10/07/11 13:20	

LABORATORY CONTROL SAMPLE & LCSD: 669752 669753

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.28	0.30	0.29	104	104	60-140	1	20	
1-Chloro-2-bromopropane (S)	%				100	105	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 669754 669755

Parameter	Units	92103433006 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	.28	.28	0.30	0.30	106	106	60-140	0	20	
1-Chloro-2-bromopropane (S)	%						103	103	60-140			

SAMPLE DUPLICATE: 669756

Parameter	Units	92103475001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	102	105	7		

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 92103472

QC Batch: MSV/16881 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV Oxygenates SC
Associated Lab Samples: 92103472001, 92103472003, 92103472004, 92103472005, 92103472006, 92103472007, 92103472008, 92103472009, 92103472010, 92103472011, 92103472012, 92103472013, 92103472015

METHOD BLANK: 668454 — Matrix: Water
Associated Lab Samples: 92103472001, 92103472003, 92103472004, 92103472005, 92103472006, 92103472007, 92103472008, 92103472009, 92103472010, 92103472011, 92103472012, 92103472013, 92103472015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	10/05/11 12:04	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	10/05/11 12:04	
Benzene	ug/L	ND	5.0	10/05/11 12:04	
Diisopropyl ether	ug/L	ND	5.0	10/05/11 12:04	
Ethanol	ug/L	ND	200	10/05/11 12:04	
Ethyl-tert-butyl ether	ug/L	ND	10.0	10/05/11 12:04	
Ethylbenzene	ug/L	ND	5.0	10/05/11 12:04	
m&p-Xylene	ug/L	ND	10.0	10/05/11 12:04	
Methyl-tert-butyl ether	ug/L	ND	5.0	10/05/11 12:04	
Naphthalene	ug/L	ND	5.0	10/05/11 12:04	
o-Xylene	ug/L	ND	5.0	10/05/11 12:04	
tert-Amyl Alcohol	ug/L	ND	100	10/05/11 12:04	
tert-Amylmethyl ether	ug/L	ND	10.0	10/05/11 12:04	
tert-Butyl Alcohol	ug/L	ND	100	10/05/11 12:04	
tert-Butyl Formate	ug/L	ND	50.0	10/05/11 12:04	
Toluene	ug/L	ND	5.0	10/05/11 12:04	
Xylene (Total)	ug/L	ND	10.0	10/05/11 12:04	
1,2-Dichloroethane-d4 (S)	%	99	70-130	10/05/11 12:04	
4-Bromofluorobenzene (S)	%	97	70-130	10/05/11 12:04	
Dibromofluoromethane (S)	%	101	70-130	10/05/11 12:04	
Toluene-d8 (S)	%	98	70-130	10/05/11 12:04	

LABORATORY CONTROL SAMPLE: 668455

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	733	73	70-130	
Benzene	ug/L	50	50.5	101	70-130	
Diisopropyl ether	ug/L	50	53.3	107	70-130	
Ethanol	ug/L	2000	1820	91	70-130	
Ethyl-tert-butyl ether	ug/L	100	105	105	70-130	
Ethylbenzene	ug/L	50	49.9	100	70-130	
m&p-Xylene	ug/L	100	99.7	100	70-130	
Methyl-tert-butyl ether	ug/L	50	50.6	101	70-130	
Naphthalene	ug/L	50	49.4	99	70-130	
o-Xylene	ug/L	50	47.7	95	70-130	
tert-Amyl Alcohol	ug/L	1000	723	72	70-130	
tert-Amylmethyl ether	ug/L	100	102	102	70-130	
tert-Butyl Alcohol	ug/L	500	458	92	70-130	
tert-Butyl Formate	ug/L	400	901	225	70-130	F3,L0

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 92103472

LABORATORY CONTROL SAMPLE: 668455

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	50	50.9	102	70-130	
Xylene (Total)	ug/L	150	147	98	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Dibromofluoromethane (S)	%			100	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 668456 668457

Parameter	Units	92103472005 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	50	50	52.2	54.6	104	109	70-130	5	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	1000	1000	623	844	62	84	70-130	30	30	M1
Benzene	ug/L	ND	50	50	50.3	52.0	101	104	70-130	3	30	
Diisopropyl ether	ug/L	ND	50	50	48.0	52.3	96	105	70-130	9	30	
Ethanol	ug/L	ND	2000	2000	710	1750	35	87	70-130	85	30	D6,M1
Ethyl-tert-butyl ether	ug/L	ND	100	100	101	106	101	106	70-130	5	30	
Ethylbenzene	ug/L	ND	50	50	48.7	53.4	96	106	70-130	9	30	
m&p-Xylene	ug/L	ND	100	100	101	110	99	108	70-130	9	30	
Methyl-tert-butyl ether	ug/L	ND	50	50	47.4	50.6	95	101	70-130	7	30	
Naphthalene	ug/L	ND	50	50	45.1	49.9	89	99	70-130	10	30	
o-Xylene	ug/L	ND	50	50	49.0	54.3	96	107	70-130	10	30	
tert-Amyl Alcohol	ug/L	ND	1000	1000	556	801	56	80	70-130	36	30	D6,M1
tert-Amylmethyl ether	ug/L	ND	100	100	98.0	105	98	105	70-130	7	30	
tert-Butyl Alcohol	ug/L	ND	500	500	270	366	54	73	70-130	30	30	M1
tert-Butyl Formate	ug/L	ND	400	400	ND	ND	1	0	70-130		30	P5
Toluene	ug/L	2.0J	50	50	51.2	54.2	98	104	70-130	6	30	
1,2-Dichloroethane-d4 (S)	%						97	100	70-130			
4-Bromofluorobenzene (S)	%						100	106	70-130			
Dibromofluoromethane (S)	%						103	102	70-130			
Toluene-d8 (S)	%						103	101	70-130			

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 92103472

QC Batch: MSV/16883 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV Oxygenates SC
Associated Lab Samples: 92103472017, 92103472018, 92103472021, 92103472022

METHOD BLANK: 668467 — Matrix: Water
Associated Lab Samples: 92103472017, 92103472018, 92103472021, 92103472022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	10/05/11 23:03	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	10/05/11 23:03	
Benzene	ug/L	ND	5.0	10/05/11 23:03	
Diisopropyl ether	ug/L	ND	5.0	10/05/11 23:03	
Ethanol	ug/L	ND	200	10/05/11 23:03	
Ethyl-tert-butyl ether	ug/L	ND	10.0	10/05/11 23:03	
Ethylbenzene	ug/L	ND	5.0	10/05/11 23:03	
m&p-Xylene	ug/L	ND	10.0	10/05/11 23:03	
Methyl-tert-butyl ether	ug/L	ND	5.0	10/05/11 23:03	
Naphthalene	ug/L	ND	5.0	10/05/11 23:03	
o-Xylene	ug/L	ND	5.0	10/05/11 23:03	
tert-Amyl Alcohol	ug/L	ND	100	10/05/11 23:03	
tert-Amylmethyl ether	ug/L	ND	10.0	10/05/11 23:03	
tert-Butyl Alcohol	ug/L	ND	100	10/05/11 23:03	
tert-Butyl Formate	ug/L	ND	50.0	10/05/11 23:03	
Toluene	ug/L	ND	5.0	10/05/11 23:03	
Xylene (Total)	ug/L	ND	10.0	10/05/11 23:03	
1,2-Dichloroethane-d4 (S)	%	104	70-130	10/05/11 23:03	
4-Bromofluorobenzene (S)	%	104	70-130	10/05/11 23:03	
Dibromofluoromethane (S)	%	100	70-130	10/05/11 23:03	
Toluene-d8 (S)	%	100	70-130	10/05/11 23:03	

LABORATORY CONTROL SAMPLE: 668468

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	55.0	110	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	797	80	70-130	
Benzene	ug/L	50	52.3	105	70-130	
Diisopropyl ether	ug/L	50	54.5	109	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	51.7	103	70-130	
m&p-Xylene	ug/L	100	103	103	70-130	
Methyl-tert-butyl ether	ug/L	50	52.0	104	70-130	
Naphthalene	ug/L	50	48.7	97	70-130	
o-Xylene	ug/L	50	50.7	101	70-130	
tert-Amyl Alcohol	ug/L	1000	765	77	70-130	
tert-Amylmethyl ether	ug/L	100	107	107	70-130	
tert-Butyl Alcohol	ug/L	500	451	90	70-130	
tert-Butyl Formate	ug/L	400	920	230	70-130	L0
Toluene	ug/L	50	52.3	105	70-130	

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 92103472

LABORATORY CONTROL SAMPLE: 668468

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)	%			104	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			101	70-130	
Toluene-d8 (S)	%			103	70-130	

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 92103472

QC Batch: MSV/16884 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV Oxygenates SC
Associated Lab Samples: 92103472037, 92103472038, 92103472039, 92103472040, 92103472042

METHOD BLANK: 668471 — Matrix: Water
Associated Lab Samples: 92103472037, 92103472038, 92103472039, 92103472040, 92103472042

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	10/07/11 12:51	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	10/07/11 12:51	
Benzene	ug/L	ND	5.0	10/07/11 12:51	
Diisopropyl ether	ug/L	ND	5.0	10/07/11 12:51	
Ethanol	ug/L	ND	200	10/07/11 12:51	
Ethyl-tert-butyl ether	ug/L	ND	10.0	10/07/11 12:51	
Ethylbenzene	ug/L	ND	5.0	10/07/11 12:51	
m&p-Xylene	ug/L	ND	10.0	10/07/11 12:51	
Methyl-tert-butyl ether	ug/L	ND	5.0	10/07/11 12:51	
Naphthalene	ug/L	ND	5.0	10/07/11 12:51	
o-Xylene	ug/L	ND	5.0	10/07/11 12:51	
tert-Amyl Alcohol	ug/L	ND	100	10/07/11 12:51	
tert-Amylmethyl ether	ug/L	ND	10.0	10/07/11 12:51	
tert-Butyl Alcohol	ug/L	ND	100	10/07/11 12:51	
tert-Butyl Formate	ug/L	ND	50.0	10/07/11 12:51	
Toluene	ug/L	ND	5.0	10/07/11 12:51	
Xylene (Total)	ug/L	ND	10.0	10/07/11 12:51	
1,2-Dichloroethane-d4 (S)	%	106	70-130	10/07/11 12:51	
4-Bromofluorobenzene (S)	%	93	70-130	10/07/11 12:51	
Dibromofluoromethane (S)	%	105	70-130	10/07/11 12:51	
Toluene-d8 (S)	%	88	70-130	10/07/11 12:51	

LABORATORY CONTROL SAMPLE: 668472

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	54.3	109	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1070	107	70-130	
Benzene	ug/L	50	54.1	108	70-130	
Diisopropyl ether	ug/L	50	60.7	121	70-130	
Ethanol	ug/L	2000	2410	121	70-130	
Ethyl-tert-butyl ether	ug/L	100	126	126	70-130	
Ethylbenzene	ug/L	50	55.5	111	70-130	
m&p-Xylene	ug/L	100	116	116	70-130	
Methyl-tert-butyl ether	ug/L	50	59.6	119	70-130	
Naphthalene	ug/L	50	49.5	99	70-130	
o-Xylene	ug/L	50	51.1	102	70-130	
tert-Amyl Alcohol	ug/L	1000	1220	122	70-130	
tert-Amylmethyl ether	ug/L	100	117	117	70-130	
tert-Butyl Alcohol	ug/L	500	469	94	70-130	
tert-Butyl Formate	ug/L	400	1200	301	70-130	L3,SS
Toluene	ug/L	50	52.4	105	70-130	

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 92103472

LABORATORY CONTROL SAMPLE: 668472

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	167	111	70-130	
1,2-Dichloroethane-d4 (S)	%			96	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	
Dibromofluoromethane (S)	%			101	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 668473 668474

Parameter	Units	92103472037 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	50	50	56.9	56.4	114	113	70-130	1	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	1000	1000	1220	1160	122	116	70-130	5	30	
Benzene	ug/L	ND	50	50	57.4	56.4	115	113	70-130	2	30	
Diisopropyl ether	ug/L	ND	50	50	63.0	63.1	126	126	70-130	0	30	
Ethanol	ug/L	ND	2000	2000	2500	2370	125	119	70-130	5	30	
Ethyl-tert-butyl ether	ug/L	ND	100	100	130	128	130	128	70-130	1	30	
Ethylbenzene	ug/L	ND	50	50	57.0	57.6	114	115	70-130	1	30	
m&p-Xylene	ug/L	ND	100	100	118	120	118	119	70-130	1	30	
Methyl-tert-butyl ether	ug/L	2.8J	50	50	65.4	64.3	125	123	70-130	2	30	
Naphthalene	ug/L	ND	50	50	52.6	54.2	105	108	70-130	3	30	
o-Xylene	ug/L	ND	50	50	53.5	54.0	107	108	70-130	1	30	
tert-Amyl Alcohol	ug/L	ND	1000	1000	1340	1250	134	125	70-130	7	30	M0
tert-Amylmethyl ether	ug/L	ND	100	100	121	119	121	119	70-130	2	30	
tert-Butyl Alcohol	ug/L	ND	500	500	719	677	144	135	70-130	6	30	M0
tert-Butyl Formate	ug/L	ND	400	400	ND	ND	0	1	70-130		30	P5
Toluene	ug/L	ND	50	50	55.7	54.9	110	109	70-130	1	30	
1,2-Dichloroethane-d4 (S)	%						98	98	70-130			
4-Bromofluorobenzene (S)	%						96	95	70-130			
Dibromofluoromethane (S)	%						103	102	70-130			
Toluene-d8 (S)	%						99	99	70-130			

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 92103472

QC Batch: MSV/16900 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV Oxygenates SC
Associated Lab Samples: 92103472043, 92103472044, 92103472045, 92103472046, 92103472047, 92103472048, 92103472049, 92103472051

METHOD BLANK: 669282 — Matrix: Water
Associated Lab Samples: 92103472043, 92103472044, 92103472045, 92103472046, 92103472047, 92103472048, 92103472049, 92103472051

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	10/06/11 14:42	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	10/06/11 14:42	
Benzene	ug/L	ND	5.0	10/06/11 14:42	
Diisopropyl ether	ug/L	ND	5.0	10/06/11 14:42	
Ethanol	ug/L	ND	200	10/06/11 14:42	
Ethyl-tert-butyl ether	ug/L	ND	10.0	10/06/11 14:42	
Ethylbenzene	ug/L	ND	5.0	10/06/11 14:42	
m&p-Xylene	ug/L	ND	10.0	10/06/11 14:42	
Methyl-tert-butyl ether	ug/L	ND	5.0	10/06/11 14:42	
Naphthalene	ug/L	ND	5.0	10/06/11 14:42	
o-Xylene	ug/L	ND	5.0	10/06/11 14:42	
tert-Amyl Alcohol	ug/L	ND	100	10/06/11 14:42	
tert-Amylmethyl ether	ug/L	ND	10.0	10/06/11 14:42	
tert-Butyl Alcohol	ug/L	ND	100	10/06/11 14:42	
tert-Butyl Formate	ug/L	ND	50.0	10/06/11 14:42	
Toluene	ug/L	ND	5.0	10/06/11 14:42	
Xylene (Total)	ug/L	ND	10.0	10/06/11 14:42	
1,2-Dichloroethane-d4 (S)	%	102	70-130	10/06/11 14:42	
4-Bromofluorobenzene (S)	%	93	70-130	10/06/11 14:42	
Dibromofluoromethane (S)	%	100	70-130	10/06/11 14:42	
Toluene-d8 (S)	%	93	70-130	10/06/11 14:42	

LABORATORY CONTROL SAMPLE: 669283

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	50.1	100	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1070	107	70-130	
Benzene	ug/L	50	48.7	97	70-130	
Diisopropyl ether	ug/L	50	55.9	112	70-130	
Ethanol	ug/L	2000	2150	107	70-130	
Ethyl-tert-butyl ether	ug/L	100	119	119	70-130	
Ethylbenzene	ug/L	50	49.9	100	70-130	
m&p-Xylene	ug/L	100	104	104	70-130	
Methyl-tert-butyl ether	ug/L	50	56.0	112	70-130	
Naphthalene	ug/L	50	50.1	100	70-130	
o-Xylene	ug/L	50	48.1	96	70-130	
tert-Amyl Alcohol	ug/L	1000	1190	119	70-130	
tert-Amylmethyl ether	ug/L	100	113	113	70-130	
tert-Butyl Alcohol	ug/L	500	472	94	70-130	
tert-Butyl Formate	ug/L	400	1130	283	70-130	L0

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 92103472

LABORATORY CONTROL SAMPLE: 669283

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	50	47.6	95	70-130	
Xylene (Total)	ug/L	150	152	102	70-130	
1,2-Dichloroethane-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	
Dibromofluoromethane (S)	%			100	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 669284 669285

Parameter	Units	92103472043 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	50	50	37.5	56.2	75	112	70-130	40	30	D6
3,3-Dimethyl-1-Butanol	ug/L	ND	1000	1000	631	1080	63	108	70-130	53	30	D6,M1
Benzene	ug/L	ND	50	50	36.8	55.9	73	111	70-130	41	30	D6
Diisopropyl ether	ug/L	ND	50	50	36.7	58.8	73	118	70-130	46	30	D6
Ethanol	ug/L	ND	2000	2000	1530	2350	77	117	70-130	42	30	D6
Ethyl-tert-butyl ether	ug/L	ND	100	100	74.6	122	75	122	70-130	48	30	D6
Ethylbenzene	ug/L	ND	50	50	37.8	59.1	75	118	70-130	44	30	D6
m&p-Xylene	ug/L	ND	100	100	78.9	125	79	125	70-130	45	30	D6
Methyl-tert-butyl ether	ug/L	ND	50	50	35.0	57.2	70	114	70-130	48	30	D6
Naphthalene	ug/L	ND	50	50	27.8	50.4	56	101	70-130	58	30	D6,M1
o-Xylene	ug/L	ND	50	50	34.1	55.6	65	108	70-130	48	30	D6,M1
tert-Amyl Alcohol	ug/L	ND	1000	1000	682	1130	68	113	70-130	50	30	D6,M1
tert-Amylmethyl ether	ug/L	ND	100	100	71.5	115	72	115	70-130	46	30	D6
tert-Butyl Alcohol	ug/L	ND	500	500	395	623	78	124	70-130	45	30	D6
tert-Butyl Formate	ug/L	ND	400	400	ND	ND	0	0	70-130		30	P5
Toluene	ug/L	ND	50	50	36.2	55.4	71	110	70-130	42	30	D6
1,2-Dichloroethane-d4 (S)	%						102	98	70-130			
4-Bromofluorobenzene (S)	%						97	98	70-130			
Dibromofluoromethane (S)	%						103	103	70-130			
Toluene-d8 (S)	%						98	99	70-130			

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 92103472

QC Batch: MSV/16909 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV Oxygenates SC
Associated Lab Samples: 92103472023, 92103472025, 92103472026, 92103472027, 92103472028, 92103472030, 92103472031, 92103472032, 92103472033, 92103472034, 92103472035, 92103472036

METHOD BLANK: 669878 — Matrix: Water
Associated Lab Samples: 92103472023, 92103472025, 92103472026, 92103472027, 92103472028, 92103472030, 92103472031, 92103472032, 92103472033, 92103472034, 92103472035, 92103472036

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	10/07/11 12:28	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	10/07/11 12:28	
Benzene	ug/L	ND	5.0	10/07/11 12:28	
Diisopropyl ether	ug/L	ND	5.0	10/07/11 12:28	
Ethanol	ug/L	ND	200	10/07/11 12:28	
Ethyl-tert-butyl ether	ug/L	ND	10.0	10/07/11 12:28	
Ethylbenzene	ug/L	ND	5.0	10/07/11 12:28	
m&p-Xylene	ug/L	ND	10.0	10/07/11 12:28	
Methyl-tert-butyl ether	ug/L	ND	5.0	10/07/11 12:28	
Naphthalene	ug/L	ND	5.0	10/07/11 12:28	
o-Xylene	ug/L	ND	5.0	10/07/11 12:28	
tert-Amyl Alcohol	ug/L	ND	100	10/07/11 12:28	
tert-Amylmethyl ether	ug/L	ND	10.0	10/07/11 12:28	
tert-Butyl Alcohol	ug/L	ND	100	10/07/11 12:28	
tert-Butyl Formate	ug/L	ND	50.0	10/07/11 12:28	
Toluene	ug/L	ND	5.0	10/07/11 12:28	
Xylene (Total)	ug/L	ND	10.0	10/07/11 12:28	
1,2-Dichloroethane-d4 (S)	%	105	70-130	10/07/11 12:28	
4-Bromofluorobenzene (S)	%	92	70-130	10/07/11 12:28	
Dibromofluoromethane (S)	%	103	70-130	10/07/11 12:28	
Toluene-d8 (S)	%	90	70-130	10/07/11 12:28	

LABORATORY CONTROL SAMPLE: 669879

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	54.3	109	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1120	112	70-130	
Benzene	ug/L	50	53.8	108	70-130	
Diisopropyl ether	ug/L	50	58.4	117	70-130	
Ethanol	ug/L	2000	2480	124	70-130	
Ethyl-tert-butyl ether	ug/L	100	125	125	70-130	
Ethylbenzene	ug/L	50	54.9	110	70-130	
m&p-Xylene	ug/L	100	114	114	70-130	
Methyl-tert-butyl ether	ug/L	50	59.4	119	70-130	
Naphthalene	ug/L	50	49.4	99	70-130	
o-Xylene	ug/L	50	51.5	103	70-130	
tert-Amyl Alcohol	ug/L	1000	1270	127	70-130	
tert-Amylmethyl ether	ug/L	100	116	116	70-130	
tert-Butyl Alcohol	ug/L	500	501	100	70-130	
tert-Butyl Formate	ug/L	400	1210	303	70-130	L3,SS

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 92103472

LABORATORY CONTROL SAMPLE: 669879

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	50	52.7	105	70-130	
Xylene (Total)	ug/L	150	165	110	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Dibromofluoromethane (S)	%			101	70-130	
Toluene-d8 (S)	%			99	70-130	

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 92103472

QC Batch: MSV/16910 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV Oxygenates SC
Associated Lab Samples: 92103472002, 92103472014, 92103472016, 92103472019, 92103472020, 92103472050

METHOD BLANK: 670032 — Matrix: Water
Associated Lab Samples: 92103472002, 92103472014, 92103472016, 92103472019, 92103472020, 92103472050

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	10/07/11 17:03	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	10/07/11 17:03	
Benzene	ug/L	ND	5.0	10/07/11 17:03	
Diisopropyl ether	ug/L	ND	5.0	10/07/11 17:03	
Ethanol	ug/L	ND	200	10/07/11 17:03	
Ethyl-tert-butyl ether	ug/L	ND	10.0	10/07/11 17:03	
Ethylbenzene	ug/L	ND	5.0	10/07/11 17:03	
m&p-Xylene	ug/L	ND	10.0	10/07/11 17:03	
Methyl-tert-butyl ether	ug/L	ND	5.0	10/07/11 17:03	
Naphthalene	ug/L	ND	5.0	10/07/11 17:03	
o-Xylene	ug/L	ND	5.0	10/07/11 17:03	
tert-Amyl Alcohol	ug/L	ND	100	10/07/11 17:03	
tert-Amylmethyl ether	ug/L	ND	10.0	10/07/11 17:03	
tert-Butyl Alcohol	ug/L	ND	100	10/07/11 17:03	
tert-Butyl Formate	ug/L	ND	50.0	10/07/11 17:03	
Toluene	ug/L	ND	5.0	10/07/11 17:03	
Xylene (Total)	ug/L	ND	10.0	10/07/11 17:03	
1,2-Dichloroethane-d4 (S)	%	116	70-130	10/07/11 17:03	
4-Bromofluorobenzene (S)	%	94	70-130	10/07/11 17:03	
Dibromofluoromethane (S)	%	120	70-130	10/07/11 17:03	
Toluene-d8 (S)	%	96	70-130	10/07/11 17:03	

LABORATORY CONTROL SAMPLE: 670033

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	49.7	99	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	917	92	70-130	
Benzene	ug/L	50	55.7	111	70-130	
Diisopropyl ether	ug/L	50	49.1	98	70-130	
Ethanol	ug/L	2000	1620	81	70-130	
Ethyl-tert-butyl ether	ug/L	100	104	104	70-130	
Ethylbenzene	ug/L	50	54.1	108	70-130	
m&p-Xylene	ug/L	100	105	105	70-130	
Methyl-tert-butyl ether	ug/L	50	49.5	99	70-130	
Naphthalene	ug/L	50	50.5	101	70-130	
o-Xylene	ug/L	50	48.2	96	70-130	
tert-Amyl Alcohol	ug/L	1000	1070	107	70-130	
tert-Amylmethyl ether	ug/L	100	110	110	70-130	
tert-Butyl Alcohol	ug/L	500	349	70	70-130	
tert-Butyl Formate	ug/L	400	719	180	70-130	F3,L0
Toluene	ug/L	50	52.0	104	70-130	

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 92103472

LABORATORY CONTROL SAMPLE: 670033

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)	%			91	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			95	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 670034 670035

Parameter	Units	92103520029 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	50	50	61.2	59.5	122	119	70-130	3	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	1000	1000	904	950	90	95	70-130	5	30	
Benzene	ug/L	ND	50	50	56.7	58.0	113	116	70-130	2	30	
Diisopropyl ether	ug/L	ND	50	50	50.2	52.8	100	106	70-130	5	30	
Ethanol	ug/L	ND	2000	2000	1420	1950	71	98	70-130	31	30	D6
Ethyl-tert-butyl ether	ug/L	ND	100	100	112	116	112	116	70-130	3	30	
Ethylbenzene	ug/L	ND	50	50	61.1	61.0	122	122	70-130	0	30	
m&p-Xylene	ug/L	ND	100	100	120	119	120	119	70-130	1	30	
Methyl-tert-butyl ether	ug/L	11.1	50	50	63.3	66.4	104	110	70-130	5	30	
Naphthalene	ug/L	ND	50	50	52.7	53.3	105	107	70-130	1	30	
o-Xylene	ug/L	ND	50	50	54.3	54.3	109	109	70-130	0	30	
tert-Amyl Alcohol	ug/L	ND	1000	1000	1150	1200	115	120	70-130	5	30	
tert-Amylmethyl ether	ug/L	ND	100	100	119	120	119	120	70-130	1	30	
tert-Butyl Alcohol	ug/L	ND	500	500	529	563	106	113	70-130	6	30	
tert-Butyl Formate	ug/L	ND	400	400	ND	ND	0	0	70-130		30	P5
Toluene	ug/L	ND	50	50	59.8	59.3	120	119	70-130	1	30	
1,2-Dichloroethane-d4 (S)	%						103	100	70-130			
4-Bromofluorobenzene (S)	%						103	105	70-130			
Dibromofluoromethane (S)	%						98	97	70-130			
Toluene-d8 (S)	%						103	102	70-130			

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 92103472

QC Batch: MSV/16925 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV Oxygenates SC
Associated Lab Samples: 92103472024, 92103472029, 92103472041

METHOD BLANK: 670684 — Matrix: Water
Associated Lab Samples: 92103472024, 92103472029, 92103472041

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	10/10/11 16:02	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	10/10/11 16:02	
Benzene	ug/L	ND	5.0	10/10/11 16:02	
Diisopropyl ether	ug/L	ND	5.0	10/10/11 16:02	
Ethanol	ug/L	ND	200	10/10/11 16:02	
Ethyl-tert-butyl ether	ug/L	ND	10.0	10/10/11 16:02	
Ethylbenzene	ug/L	ND	5.0	10/10/11 16:02	
m&p-Xylene	ug/L	ND	10.0	10/10/11 16:02	
Methyl-tert-butyl ether	ug/L	ND	5.0	10/10/11 16:02	
Naphthalene	ug/L	ND	5.0	10/10/11 16:02	
o-Xylene	ug/L	ND	5.0	10/10/11 16:02	
tert-Amyl Alcohol	ug/L	ND	100	10/10/11 16:02	
tert-Amylmethyl ether	ug/L	ND	10.0	10/10/11 16:02	
tert-Butyl Alcohol	ug/L	ND	100	10/10/11 16:02	
tert-Butyl Formate	ug/L	ND	50.0	10/10/11 16:02	
Toluene	ug/L	ND	5.0	10/10/11 16:02	
Xylene (Total)	ug/L	ND	10.0	10/10/11 16:02	
1,2-Dichloroethane-d4 (S)	%	88	70-130	10/10/11 16:02	
4-Bromofluorobenzene (S)	%	96	70-130	10/10/11 16:02	
Dibromofluoromethane (S)	%	85	70-130	10/10/11 16:02	
Toluene-d8 (S)	%	99	70-130	10/10/11 16:02	

LABORATORY CONTROL SAMPLE: 670685

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	52.2	104	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	965	96	70-130	
Benzene	ug/L	50	50.3	101	70-130	
Diisopropyl ether	ug/L	50	47.8	96	70-130	
Ethanol	ug/L	2000	1740	87	70-130	
Ethyl-tert-butyl ether	ug/L	100	102	102	70-130	
Ethylbenzene	ug/L	50	50.7	101	70-130	
m&p-Xylene	ug/L	100	101	101	70-130	
Methyl-tert-butyl ether	ug/L	50	50.1	100	70-130	
Naphthalene	ug/L	50	52.6	105	70-130	
o-Xylene	ug/L	50	48.0	96	70-130	
tert-Amyl Alcohol	ug/L	1000	831	83	70-130	
tert-Amylmethyl ether	ug/L	100	103	103	70-130	
tert-Butyl Alcohol	ug/L	500	439	88	70-130	
tert-Butyl Formate	ug/L	400	1480	370	70-130	F3,L0
Toluene	ug/L	50	49.7	99	70-130	

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 92103472

LABORATORY CONTROL SAMPLE: 670685

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	150	100	70-130	
1,2-Dichloroethane-d4 (S)	%			90	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			87	70-130	
Toluene-d8 (S)	%			100	70-130	

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QUALIFIERS

Project: CORNER STOP 28
Pace Project No.: 92103472

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

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

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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LABORATORIES

PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

C2	Relative percent difference between results from each column was greater than 40%. The lower of the two results was reported.
C3	Relative percent difference between results from each column was greater than 40%. The higher of the two results was reported.
D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
F3	The recovery of the second source standard used to verify the initial calibration curve for this analyte is outside the laboratory's control limits. The result is estimated.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
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.
SS	This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CORNER STOP 28
Pace Project No.: 92103472

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92103472001	**MW-2**	EPA 8011	OEXT/15085	EPA 8011	GCSV/10592
92103472002	**MW-3**	EPA 8011	OEXT/15085	EPA 8011	GCSV/10592
92103472003	**MW-5**	EPA 8011	OEXT/15085	EPA 8011	GCSV/10592
92103472004	**MW-6R**	EPA 8011	OEXT/15085	EPA 8011	GCSV/10592
92103472005	**MW-9**	EPA 8011	OEXT/15085	EPA 8011	GCSV/10592
92103472006	**MW-10**	EPA 8011	OEXT/15085	EPA 8011	GCSV/10592
92103472007	**MW-12R**	EPA 8011	OEXT/15085	EPA 8011	GCSV/10592
92103472008	**MW-13**	EPA 8011	OEXT/15085	EPA 8011	GCSV/10592
92103472009	**MW-14**	EPA 8011	OEXT/15085	EPA 8011	GCSV/10592
92103472010	**MW-16**	EPA 8011	OEXT/15085	EPA 8011	GCSV/10592
92103472011	**MW-17**	EPA 8011	OEXT/15085	EPA 8011	GCSV/10592
92103472012	**MW-19R**	EPA 8011	OEXT/15085	EPA 8011	GCSV/10592
92103472013	**MW-20**	EPA 8011	OEXT/15086	EPA 8011	GCSV/10594
92103472014	**MW-21**	EPA 8011	OEXT/15086	EPA 8011	GCSV/10594
92103472015	**MW-23**	EPA 8011	OEXT/15086	EPA 8011	GCSV/10594
92103472016	**MW-24**	EPA 8011	OEXT/15086	EPA 8011	GCSV/10594
92103472017	**MW-25**	EPA 8011	OEXT/15086	EPA 8011	GCSV/10594
92103472018	**MW-26**	EPA 8011	OEXT/15086	EPA 8011	GCSV/10594
92103472019	**MW-27**	EPA 8011	OEXT/15086	EPA 8011	GCSV/10594
92103472020	**MW-28**	EPA 8011	OEXT/15107	EPA 8011	GCSV/10601
92103472021	**MW-29**	EPA 8011	OEXT/15086	EPA 8011	GCSV/10594
92103472022	**MW-30**	EPA 8011	OEXT/15086	EPA 8011	GCSV/10594
92103472023	**MW-31**	EPA 8011	OEXT/15086	EPA 8011	GCSV/10594
92103472024	**MW-32**	EPA 8011	OEXT/15086	EPA 8011	GCSV/10594
92103472025	**MW-34**	EPA 8011	OEXT/15086	EPA 8011	GCSV/10594
92103472026	**MW-35**	EPA 8011	OEXT/15086	EPA 8011	GCSV/10594
92103472027	**MW-36**	EPA 8011	OEXT/15086	EPA 8011	GCSV/10594
92103472028	**MW-37**	EPA 8011	OEXT/15086	EPA 8011	GCSV/10594
92103472029	**MW-38**	EPA 8011	OEXT/15086	EPA 8011	GCSV/10594
92103472030	**MW-39**	EPA 8011	OEXT/15086	EPA 8011	GCSV/10594
92103472031	**MW-40**	EPA 8011	OEXT/15086	EPA 8011	GCSV/10594
92103472032	**MW-41**	EPA 8011	OEXT/15086	EPA 8011	GCSV/10594
92103472033	**MW-42**	EPA 8011	OEXT/15095	EPA 8011	GCSV/10596
92103472034	**MW-43**	EPA 8011	OEXT/15095	EPA 8011	GCSV/10596
92103472035	**MW-44**	EPA 8011	OEXT/15095	EPA 8011	GCSV/10596
92103472036	**MW-45**	EPA 8011	OEXT/15095	EPA 8011	GCSV/10596
92103472037	**MW-46**	EPA 8011	OEXT/15095	EPA 8011	GCSV/10596
92103472038	**MW-47**	EPA 8011	OEXT/15095	EPA 8011	GCSV/10596
92103472039	**MW-48**	EPA 8011	OEXT/15095	EPA 8011	GCSV/10596
92103472040	**MW-49**	EPA 8011	OEXT/15095	EPA 8011	GCSV/10596
92103472041	**MW-50**	EPA 8011	OEXT/15095	EPA 8011	GCSV/10596
92103472042	**MW-51**	EPA 8011	OEXT/15095	EPA 8011	GCSV/10596
92103472043	**MW-52**	EPA 8011	OEXT/15095	EPA 8011	GCSV/10596
92103472044	**MW-54**	EPA 8011	OEXT/15095	EPA 8011	GCSV/10596
92103472045	**MW-56**	EPA 8011	OEXT/15095	EPA 8011	GCSV/10596
92103472046	**SW-1**	EPA 8011	OEXT/15095	EPA 8011	GCSV/10596
92103472047	**T-1**	EPA 8011	OEXT/15095	EPA 8011	GCSV/10596

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CORNER STOP 28
Pace Project No.: 92103472

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92103472048	**T-2**	EPA 8011	OEXT/15095	EPA 8011	GCSV/10596
92103472049	**T-3**	EPA 8011	OEXT/15095	EPA 8011	GCSV/10596
92103472050	**T-4**	EPA 8011	OEXT/15095	EPA 8011	GCSV/10596
92103472051	**T-5**	EPA 8011	OEXT/15095	EPA 8011	GCSV/10596
92103472001	**MW-2**	EPA 8260	MSV/16881		
92103472002	**MW-3**	EPA 8260	MSV/16910		
92103472003	**MW-5**	EPA 8260	MSV/16881		
92103472004	**MW-6R**	EPA 8260	MSV/16881		
92103472005	**MW-9**	EPA 8260	MSV/16881		
92103472006	**MW-10**	EPA 8260	MSV/16881		
92103472007	**MW-12R**	EPA 8260	MSV/16881		
92103472008	**MW-13**	EPA 8260	MSV/16881		
92103472009	**MW-14**	EPA 8260	MSV/16881		
92103472010	**MW-16**	EPA 8260	MSV/16881		
92103472011	**MW-17**	EPA 8260	MSV/16881		
92103472012	**MW-19R**	EPA 8260	MSV/16881		
92103472013	**MW-20**	EPA 8260	MSV/16881		
92103472014	**MW-21**	EPA 8260	MSV/16910		
92103472015	**MW-23**	EPA 8260	MSV/16881		
92103472016	**MW-24**	EPA 8260	MSV/16910		
92103472017	**MW-25**	EPA 8260	MSV/16883		
92103472018	**MW-26**	EPA 8260	MSV/16883		
92103472019	**MW-27**	EPA 8260	MSV/16910		
92103472020	**MW-28**	EPA 8260	MSV/16910		
92103472021	**MW-29**	EPA 8260	MSV/16883		
92103472022	**MW-30**	EPA 8260	MSV/16883		
92103472023	**MW-31**	EPA 8260	MSV/16909		
92103472024	**MW-32**	EPA 8260	MSV/16925		
92103472025	**MW-34**	EPA 8260	MSV/16909		
92103472026	**MW-35**	EPA 8260	MSV/16909		
92103472027	**MW-36**	EPA 8260	MSV/16909		
92103472028	**MW-37**	EPA 8260	MSV/16909		
92103472029	**MW-38**	EPA 8260	MSV/16925		
92103472030	**MW-39**	EPA 8260	MSV/16909		
92103472031	**MW-40**	EPA 8260	MSV/16909		
92103472032	**MW-41**	EPA 8260	MSV/16909		
92103472033	**MW-42**	EPA 8260	MSV/16909		
92103472034	**MW-43**	EPA 8260	MSV/16909		
92103472035	**MW-44**	EPA 8260	MSV/16909		
92103472036	**MW-45**	EPA 8260	MSV/16909		
92103472037	**MW-46**	EPA 8260	MSV/16884		

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Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CORNER STOP 28
Pace Project No.: 92103472

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92103472038	**MW-47**	EPA 8260	MSV/16884		
92103472039	**MW-48**	EPA 8260	MSV/16884		
92103472040	**MW-49**	EPA 8260	MSV/16884		
92103472041	**MW-50**	EPA 8260	MSV/16925		
92103472042	**MW-51**	EPA 8260	MSV/16884		
92103472043	**MW-52**	EPA 8260	MSV/16900		
92103472044	**MW-54**	EPA 8260	MSV/16900		
92103472045	**MW-56**	EPA 8260	MSV/16900		
92103472046	**SW-1**	EPA 8260	MSV/16900		
92103472047	**T-1**	EPA 8260	MSV/16900		
92103472048	**T-2**	EPA 8260	MSV/16900		
92103472049	**T-3**	EPA 8260	MSV/16900		
92103472050	**T-4**	EPA 8260	MSV/16910		
92103472051	**T-5**	EPA 8260	MSV/16900		

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Page: 1 of 5

1433034

Section A Required Client Information:

Company: KLM Env.
Address: Po Box 2704
Goose Creek SC 29445
Email To: mkeller131@comcast.net
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Mark Keller
Copy To:
Purchase Order No.:
Project Name: Corner Stop 28
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 824-3

REGULATORY AGENCY

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

Site Location STATE: SC

Section D Required Client Information

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

Requested Analysis Filtered (Y/N): BTEXNM, 1,2 DCA, EDB, 8011

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)	COLLECTED DATE	COLLECTED TIME	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test	BTEXNM	1,2 DCA	EDB	8011	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-2	WT	G	9/28/11			1000														X	X	X	X		92103472001
2	MW-3						1010																			002
3	MW-5						1030																			003
4	MW-6R						1040																			004
5	MW-9						1050																			005
6	MW-10						1100																			006
7	MW-12R						1120																			007
8	MW-13						1130																			008
9	MW-14						1140																			009
10	MW-16						1150																			010
11	MW-17						1200																			011
12	MW-19R						1220														X	X	X	X		012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature]	9/29/11	1700	Justin Mathis / Pace	~~9-30-11~~ 9-30-11	~~10:0~~ 9:30	4.2	Y	n	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

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.

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

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1433033

Section A — **Required** Client Information:

Company:	KLM Env.
Address:	Po Box 2704
	Goose Creek SC 29445
Email To:	mkeller131@comcast.net
Phone:	Fax:
Requested Due Date/TAT:	

Section B — **Required** Project Information:

Report To:	Mark Keller
Copy To:	
Purchase Order No.:	
Project Name:	Corner Stop 28
Project Number:	

Section C — Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: SC

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): BTEXNN	12DCA	EDB	8OXY	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-20	WT	G	9/28/11			1230											X	X	X	X		0B1
2	MW-21						1240																0B4
3	MW-23						1250																0B5
4	MW-24						1300																0B6
5	MW-25						1310																0B7
6	MW-26						1320																0B8
7	MW-27						1330																0B9
8	MW-28						1340																0B0
9	MW-29						1350																0B1
10	MW-30						1400																0B2
11	MW-31						1410																0B3
12	MW-32						1420																0B4

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature]	9/29/11	1700	Justin Nattly / pace	9-30-11	9:30	4.2	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

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.

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1433032

Section A Required Client Information:

Company: KLM Env.
Address: Po Box 2704
Gaffney Creek SC 29445
Email To: mkeller131@comcast.net
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Mark Keller
Copy To:
Purchase Order No.:
Project Name: Corner Stop 28
Project Number:

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: SC

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) BTEX/NM	12 DCA	EDB	8 oxy	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-34	WT	G	9/28/11			1430											X	X	X	X		92103472
2	MW-35						1440																025
3	MW-36						1450																026
4	MW-37						1500																027
5	MW-38						1510																028
6	MW-39						1520																029
7	MW-40						1530																030
8	MW-41						1540																031
9	MW-42						1550																032
10	MW-43						1600																033
11	MW-44						1610																034
12	MW-45						1620																035
																							036

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature]	9/29/11	1700	Justin Matthew Pace	9-30-11	9:30	4.2	Y	n	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

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.

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Page: 4 of 5

1433031

Section A Required Client Information:

Company: KLM Env.
Address: PO Box 2704
Goose Creek SC 29445
Email To: mkeller131@comcast.net
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Mark Keller
Copy To:
Purchase Order No.:
Project Name: Comer Stop 28
Project Number:

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: SC

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): BTEX	1,2 DCA	EDB	8 oxy.	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92103472
1	MW-46	WT	G	9/29/11			1630											X	X	X	X		037
2	MW-47						1640																038
3	MW-48						1650																039
4	MW-49						1700																040
5	MW-50						1710																041
6	MW-51						1720																042
7	MW-52						1730																043
8	MW-54						1930																044
9	MW-56						2010																045
10	SW-1						2020																046
11	T-1						1750																047
12	T-2	X	X	X			1810											X	X	X	X		048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature]	9/29/11	1700	Justin Matthews/Pace	9-30-11	9:30	4.2	Y	n	Y

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

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1433030

Section A
Required Client Information:

Company: KLM Env.	
Address: PO Box 2104	
Goose Creek SC 29445	
Email To: mkeller731@comcast.net	
Phone:	Fax:
Requested Due Date/TAT:	

Section B
Required Project Information:

Report To:	Mark Keller
Copy To:	
Purchase Order No.:	
Project Name:	Corner Stop 28
Project Number:	

Section C
Invoice Information:

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

REGULATORY AGENCY

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

Site Location
STATE: SC

Section D
Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): BTEXMN	12 DCA	EDB	8 OXY	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92103472
1	T-3	WT	G	9/28/11			1830											X	X	X	X		049
2	T-4	↓	↓	↓			1850											↓	↓	↓	↓		050
3	T-5	X	X	X			1910											X	X	X	X		051
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature]	9/29/11	1700	[signature] / pace	9-30-11	9:30	4.2	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER: **DATE Signed (MM/DD/YY):**

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW-1

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 42.39 - ~~[illegible]~~ 48.44

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
Water Temp (°F)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (*)								
Dissolved Oxygen								
Salinity								
OVA								

Sample Time: FP No Sample

serverC/admin/DHECfielddatasht/doc.

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 2

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 55 ft.
Depth to GW (DWG) ~~[illegible]~~ ft. 45.03

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1000							
Water Temp (°F)	72.1							
pH (s.u.)	5.55							
Specific Cond. (mS/cm)	.648							
Turbidity (*)	111							
Dissolved Oxygen	2.32							
Salinity	0.3							
OVA	–							

Sample Time: 1000

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW-3

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 55 ft.
Depth to GW (DWG) 46.52 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1010							
Water Temp (°F)	71.8							
pH (s.u.)	5.82							
Specific Cond. (mS/cm)	.583							
Turbidity (*)	499							
Dissolved Oxygen	1.96							
Salinity	0.3							
OVA	—							

Sample Time: 1010

serverC/admin/DHEC/fieldsheet/doc.

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 4

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) Dry ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
Water Temp (°F)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (*)								
Dissolved Oxygen								
Salinity								
OVA								

Sample Time:

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 5

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 47.37 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1030							
Water Temp (°F)	71.9							
pH (s.u.)	5.66							
Specific Cond. (mS/cm)	.455							
Turbidity (*)	141							
Dissolved Oxygen	2.15							
Salinity	0.2							
OVA	–							

Sample Time: 1030

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 6R

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 65 ft.
Depth to GW (DWG) 56.82 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1040							
Water Temp (°F)	78.8							
pH (s.u.)	7.78							
Specific Cond. (mS/cm)	.802							
Turbidity (*)	284							
Dissolved Oxygen	1.13							
Salinity	0.4							
OVA	–							

Sample Time: 1040

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW-7

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 57.45 ft. 57.55

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
Water Temp (°F)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (*)								
Dissolved Oxygen								
Salinity								
OVA								

Sample Time: FP No Sample

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 9

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 41.79 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1050							
Water Temp (°F)	70.2							
pH (s.u.)	5.82							
Specific Cond. (mS/cm)	.437							
Turbidity (*)	126							
Dissolved Oxygen	3.38							
Salinity	0.2							
OVA	–							

Sample Time: 1050

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 10

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 35.06 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1100							
Water Temp (°F)	73.1							
pH (s.u.)	5.16							
Specific Cond. (mS/cm)	.459							
Turbidity (*)	277							
Dissolved Oxygen	3.38							
Salinity	0.2							
OVA	—							

Sample Time: 1100

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11.
Field Personnel R. Infinger, M. Bennett and J. Boots .
General Weather Condition Cloudy.
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 11

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ft.
Depth to GW (DWG) 53.77 ft. 54.46

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
Water Temp (°F)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (*)								
Dissolved Oxygen								
Salinity								
OVA								

Sample Time: FP No Sample

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 12R

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 41.72 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	4.75	10	14					
Time (military)	1100	1110	1120					
Water Temp (°F)	73.9	73.3	73.1					
pH (s.u.)	4.61	4.73	4.86					
Specific Cond. (mS/cm)	.156	.232	.294					
Turbidity (*)	71	60	32					
Dissolved Oxygen	1.74	1.07	1.22					
Salinity	0.1	0.1	0.1					
OVA	–	–						

Sample Time: 1120

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 13

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 42.79 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1130							
Water Temp (°F)	71.7							
pH (s.u.)	4.67							
Specific Cond. (mS/cm)	.261							
Turbidity (*)	101							
Dissolved Oxygen	2.14							
Salinity	0.1							
OVA	–							

Sample Time: 1130

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 14

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 54.28 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1140							
Water Temp (°F)	73.1							
pH (s.u.)	4.77							
Specific Cond. (mS/cm)	190							
Turbidity (*)	212							
Dissolved Oxygen	1.71							
Salinity	0.1							
OVA	–							

Sample Time: 1140

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 15

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 57.10 ft. 57.11

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
Water Temp (°F)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (*)								
Dissolved Oxygen								
Salinity								
OVA								

Sample Time: FP No Sample

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 15R

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 57.42 ft. 60.59

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
Water Temp (°F)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (*)								
Dissolved Oxygen								
Salinity								
OVA								

Sample Time:

FP No Sample

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 16

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 51.68 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1150							
Water Temp (°F)	72.3							
pH (s.u.)	5.98							
Specific Cond. (mS/cm)	.299							
Turbidity (*)	10.0							
Dissolved Oxygen	4.90							
Salinity	0.2							
OVA	–							

Sample Time: 1150

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 17

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 40.14 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1100							
Water Temp (°F)	70.7							
pH (s.u.)	5.95							
Specific Cond. (mS/cm)	.418							
Turbidity (*)	101							
Dissolved Oxygen	4.75							
Salinity	0.2							
OVA	–							

Sample Time: 1100

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 18

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 55.84 ft. 55.90

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
Water Temp (°F)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (*)								
Dissolved Oxygen								
Salinity								
OVA								

Sample Time: FP No Sample

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 19R

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 58.01 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1110							
Water Temp (°F)	70.7							
pH (s.u.)	5.73							
Specific Cond. (mS/cm)	.565							
Turbidity (*)	181							
Dissolved Oxygen	1.02							
Salinity	0.3							
OVA	–							

Sample Time: 1110

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 20

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 52.48 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1230							
Water Temp (°F)	69.7							
pH (s.u.)	5.96							
Specific Cond. (mS/cm)	.249							
Turbidity (*)	119							
Dissolved Oxygen	2.19							
Salinity	0.1							
OVA	–							

Sample Time: 1230

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 21

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 58.54 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	-							
Time (military)	1240							
Water Temp (°F)	72.0							
pH (s.u.)	6.39							
Specific Cond. (mS/cm)	2.22							
Turbidity (*)	204							
Dissolved Oxygen	2.50							
Salinity	0.1							
OVA								

Sample Time: 1240

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 22

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 58.02 ft. 58.5'

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
Water Temp (°F)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (*)								
Dissolved Oxygen								
Salinity								
OVA								

Sample Time: FP No Sample

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW-23

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 57.27 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1250							
Water Temp (°F)	71.7							
pH (s.u.)	5.96							
Specific Cond. (mS/cm)	.372							
Turbidity (*)	309							
Dissolved Oxygen	5.99							
Salinity	0.2							
OVA	–							

Sample Time: 1250

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11.
Field Personnel R. Infinger, M. Bennett and J. Boots .
General Weather Condition Cloudy.
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # **MW-** 24

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) ~~[illegible]~~ ft. 48.66

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1300							
Water Temp (°F)	69.5							
pH (s.u.)	5.72							
Specific Cond. (mS/cm)	.288							
Turbidity (*)	253							
Dissolved Oxygen	1.84							
Salinity	0.1							
OVA	—							

Sample Time: 1300

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 25

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 65 ft.
Depth to GW (DWG) 37.74 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	4.40	8.80	13.50					
Time (military)	1250	1300	1310					
Water Temp (°F)	70.4	70.3	70.2					
pH (s.u.)	5.88	5.81	5.80					
Specific Cond. (mS/cm)	.396	.367	.321					
Turbidity (*)	114	151	167					
Dissolved Oxygen	3.02	2.11	1.96					
Salinity	0.2	0.2	0.2					
OVA	–	–	–					

Sample Time:

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW-26

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 65 ft.
Depth to GW (DWG) 50.62 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1320							
Water Temp (°F)	72.4							
pH (s.u.)	4.99							
Specific Cond. (mS/cm)	.219							
Turbidity (*)	130							
Dissolved Oxygen	2.19							
Salinity	0.1							
OVA	–							

Sample Time: 1320

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 27

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 65 ft.
Depth to GW (DWG) 51.65 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1330							
Water Temp (°F)	69.9							
pH (s.u.)	4.15							
Specific Cond. (mS/cm)	2.16							
Turbidity (*)	79							
Dissolved Oxygen	2.19							
Salinity	0.1							
OVA	–							

Sample Time: 1330

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 28

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 65 ft.
Depth to GW (DWG) 47.83 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1340							
Water Temp (°F)	69.8							
pH (s.u.)	5.64							
Specific Cond. (mS/cm)	404							
Turbidity (*)	100							
Dissolved Oxygen	2.00							
Salinity	0.2							
OVA	–							

Sample Time: 1340

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 29

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 32.78 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	6.0	12	18					
Time (military)	1382	1348	1350					
Water Temp (°F)	72.8	72.6	70.4					
pH (s.u.)	5.90	5.67	5.73					
Specific Cond. (mS/cm)	.086	.081	.080					
Turbidity (*)	454	271	211					
Dissolved Oxygen	2.06	2.11	1.66					
Salinity	0.0	0.0	0.0					
OVA	–	–	–					

Sample Time: 1350

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 30

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 50.22 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1400							
Water Temp (°F)	70.1							
pH (s.u.)	5.95							
Specific Cond. (mS/cm)	.295							
Turbidity (*)	254							
Dissolved Oxygen	2.00							
Salinity	0.1							
OVA	–							

Sample Time: 1400

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW-31

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 38.42 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5 ~~1354~~	10 ~~1400~~	15 ~~1450~~					
Time (military)	1352	1400	1410					
Water Temp (°F)	70.7	70.4	72.1					
pH (s.u.)	5.84	5.80	5.62					
Specific Cond. (mS/cm)	.320	.371	.386					
Turbidity (*)	135	100	74					
Dissolved Oxygen	.75	.89	1.07					
Salinity	0.2	0.2	0.2					
OVA	–	–	–					

Sample Time: 1410

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW-32

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 46.33 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	4	8	12					
Time (military)	1415	1417	1420					
Water Temp (°F)	69.9	69.7	69.3					
pH (s.u.)	5.27	5.11	4.96					
Specific Cond. (mS/cm)	.232	.219	.282					
Turbidity (*)	107	127	178					
Dissolved Oxygen	2.19	1.78	1.26					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1420

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW-33

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 50.36 ft. 50.73

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
Water Temp (°F)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (*)								
Dissolved Oxygen								
Salinity								
OVA								

Sample Time: FP No Sample

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW-34

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 51.79 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1430							
Water Temp (°F)	69.0							
pH (s.u.)	5.47							
Specific Cond. (mS/cm)	.443							
Turbidity (*)	2.74							
Dissolved Oxygen	3.07							
Salinity	0.1							
OVA	–							

Sample Time: 1430

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW-35

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 38.22 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5	10	15.5					
Time (military)	1425	1430	1440					
Water Temp (°F)	69.7	69.6	69.6					
pH (s.u.)	5.19	5.04	5.07					
Specific Cond. (mS/cm)	.232	.239	.256					
Turbidity (*)	19	71	89					
Dissolved Oxygen	4.51	4.00	3.17					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1440

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 36

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 46.42 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	4	8	12					
Time (military)	1445	1448	1450					
Water Temp (°F)	69.0	69.0	68.7					
pH (s.u.)	5.56	5.11	5.00					
Specific Cond. (mS/cm)	.661	.678	.654					
Turbidity (*)	279	119	123					
Dissolved Oxygen	1.33	1.07	.96					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1450

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW-37

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 37.78 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5	10	15.75					
Time (military)	1453	1455	1500					
Water Temp (°F)	69.7	69.6	69.4					
pH (s.u.)	5.33	5.19	5.07					
Specific Cond. (mS/cm)	.402	.434	.418					
Turbidity (*)	19	27	39					
Dissolved Oxygen	1.07	1.20	1.55					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1500

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW-38

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 40.51 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5	10	15					
Time (military)	1503	1506	1510					
Water Temp (°F)	70.0	69.9	69.8					
pH (s.u.)	5.79	5.99	6.03					
Specific Cond. (mS/cm)	.111	.128	.150					
Turbidity (*)	71	85	102					
Dissolved Oxygen	1.00	1.74	1.33					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1510

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 39

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 50.04 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1520							
Water Temp (°F)	69.7							
pH (s.u.)	5.77							
Specific Cond. (mS/cm)	.231							
Turbidity (*)	75							
Dissolved Oxygen	1.63							
Salinity	0.1							
OVA	—							

Sample Time: 1520

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 40

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 50.98 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1530							
Water Temp (°F)	68.7							
pH (s.u.)	5.66							
Specific Cond. (mS/cm)	.511							
Turbidity (*)	.51							
Dissolved Oxygen	1.33							
Salinity	0.1							
OVA	–							

Sample Time: 1530

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 41

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 41.50 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5	10	15					
Time (military)	1525	1533	1540					
Water Temp (°F)	69.3	69.3	69.3					
pH (s.u.)	5.50	5.81	5.84					
Specific Cond. (mS/cm)	.222	.231	.247					
Turbidity (*)	170	153	133					
Dissolved Oxygen	4.19	2.17	2.11					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1540

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11.
Field Personnel R. Infinger, M. Bennett and J. Boots .
General Weather Condition Cloudy.
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 42

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 52.89 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1550							
Water Temp (°F)	69.9							
pH (s.u.)	5.76							
Specific Cond. (mS/cm)	.210							
Turbidity (*)	110							
Dissolved Oxygen	1.71							
Salinity	0.1							
OVA	–							

Sample Time: 1550

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 43

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 43.85 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5	10	13					
Time (military)	1547	1554	1600					
Water Temp (°F)	69.7	69.6	69.5					
pH (s.u.)	5.84	5.99	5.71					
Specific Cond. (mS/cm)	.272	.210	.233					
Turbidity (*)	17	86	107					
Dissolved Oxygen	0.51	0.74	0.86					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1600

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 4Y

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 50 ft.
Depth to GW (DWG) 47.85 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1610							
Water Temp (°F)	69.1							
pH (s.u.)	4.76							
Specific Cond. (mS/cm)	.127							
Turbidity (*)	239							
Dissolved Oxygen	1.07							
Salinity	0.1							
OVA	–							

Sample Time: 1610

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 45

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 50 ft.
Depth to GW (DWG) 33.77 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1620							
Water Temp (°F)	67.9							
pH (s.u.)	5.01							
Specific Cond. (mS/cm)	.195							
Turbidity (*)	211							
Dissolved Oxygen	5.15							
Salinity	0.1							
OVA	–							

Sample Time: 1620

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 46

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 50 ft.
Depth to GW (DWG) 30.74 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1630							
Water Temp (°F)	68.4							
pH (s.u.)	5.39							
Specific Cond. (mS/cm)	.215							
Turbidity (*)	55							
Dissolved Oxygen	.06							
Salinity	0.1							
OVA	–							

Sample Time: 1630

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 47

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 50 ft.
Depth to GW (DWG) 35.00 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1640							
Water Temp (°F)	69.5							
pH (s.u.)	4.77							
Specific Cond. (mS/cm)	.219							
Turbidity (*)	11							
Dissolved Oxygen	2.11							
Salinity	0.1							
OVA	–							

Sample Time: 1640

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11.
Field Personnel R. Infinger, M. Bennett and J. Boots .
General Weather Condition Cloudy.
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # **MW-** 48

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 45 ft.
Depth to GW (DWG) 37.54 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1650							
Water Temp (°F)	69.5							
pH (s.u.)	5.51							
Specific Cond. (mS/cm)	271							
Turbidity (*)	199							
Dissolved Oxygen	0.78							
Salinity	0.2							
OVA	–							

Sample Time: 1650

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11.
Field Personnel R. Infinger, M. Bennett and J. Boots .
General Weather Condition Cloudy.
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 49

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 40 ft.
Depth to GW (DWG) 34.29 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1700							
Water Temp (°F)	69.3							
pH (s.u.)	5.11							
Specific Cond. (mS/cm)	.231							
Turbidity (*)	94 ~~[illegible]~~							
Dissolved Oxygen	1.51							
Salinity	0.1							
OVA	—							

Sample Time: 1700

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 50

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 30 ft.
Depth to GW (DWG) ~~35.45~~ ft. 27.03

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1710							
Water Temp (°F)	69.7							
pH (s.u.)	5.24							
Specific Cond. (mS/cm)	.312							
Turbidity (*)	121							
Dissolved Oxygen	.91							
Salinity	0.1							
OVA	–							

Sample Time: 1710

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11.
Field Personnel R. Infinger, M. Bennett and J. Boots .
General Weather Condition Cloudy.
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 51

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 40 ft.
Depth to GW (DWG) 32.52 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1120							
Water Temp (°F)	69.5							
pH (s.u.)	5.11							
Specific Cond. (mS/cm)	.313							
Turbidity (*)	.74							
Dissolved Oxygen	2.15							
Salinity	0.1							
OVA	–							

Sample Time: 1120

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 52

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 48 ft.
Depth to GW (DWG) 34.77 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	2	4	6.5					
Time (military)	1910	1720	1730					
Water Temp (°F)	69.3	69.2	69.0					
pH (s.u.)	5.15	5.78	5.82					
Specific Cond. (mS/cm)	279	313	219					
Turbidity (*)	76	17	86					
Dissolved Oxygen	.81	.91	.94					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1730

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW-53

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 35 ft.
Depth to GW (DWG) 24.99 ft. 25.81

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
Water Temp (°F)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (*)								
Dissolved Oxygen								
Salinity								
OVA								

Sample Time:

FP No Sample

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 54

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 50 ft.
Depth to GW (DWG) 41.60 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	1.5	3.25	5					
Time (military)	1915	1922	1930					
Water Temp (°F)	69.1	69.0	69.0					
pH (s.u.)	4.81	5.22	5.17					
Specific Cond. (mS/cm)	.238	.248	.255					
Turbidity (*)	114	159	238					
Dissolved Oxygen	1.17	1.74	1.66					
Salinity	0.1	0.1	0.1					
OVA	—		—					

Sample Time: 1930

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7

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 55

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) Dry ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
Water Temp (°F)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (*)								
Dissolved Oxygen								
Salinity								
OVA								

Sample Time: Dry No Sample

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11.
Field Personnel R. Infinger, M. Bennett and J. Boots .
General Weather Condition Cloudy.
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 56

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 42 ft.
Depth to GW (DWG) 33.25 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	1.50	3.0	4.27					
Time (military)	1951	2002	2010					
Water Temp (°F)	69.5	69.3	69.3					
pH (s.u.)	5.17	5.07	5.00					
Specific Cond. (mS/cm)	.219	.210	.205					
Turbidity (*)	77	86	91					
Dissolved Oxygen	5.70	2.17	0.79					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 2010

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- TW-1

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 81 ft.
Depth to GW (DWG) 54.68 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	429	850	1300					
Time (military)	1738	1743	1750					
Water Temp (°F)	72.5	72.1	72.2					
pH (s.u.)	11.49	10.76	10.41					
Specific Cond. (mS/cm)	5.48	6.78	5.74					
Turbidity (*)	79.8	72.1	79					
Dissolved Oxygen	1.12	1.17	0.74					
Salinity	2.9	2.1	2.6					
OVA	-	-	-					

Sample Time: 1750

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- T-2

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 81 ft.
Depth to GW (DWG) 52.94 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	4.5	10	14					
Time (military)	1752	1803	1810					
Water Temp (°F)	69.2	69.0	68.7					
pH (s.u.)	4.73	4.70	4.65					
Specific Cond. (mS/cm)	219	270	278					
Turbidity (*)	124	117	43					
Dissolved Oxygen	3.21	1.76	2.13					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1810

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- TW-3

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 90 ft.
Depth to GW (DWG) 51.65 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	6	12	19					
Time (military)	1815	1821	1830					
Water Temp (°F)	69.2	69.0	69.0					
pH (s.u.)	5.78	5.86	5.91					
Specific Cond. (mS/cm)	.248	.251	.255					
Turbidity (*)	163	110	97					
Dissolved Oxygen	4.5	2.61	2.73					
Salinity	0.5	0.5	0.4					
OVA	–	–	–					

Sample Time: 1830

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- T-4

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 81 ft.
Depth to GW (DWG) 45.72 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	6	12	18					
Time (military)	1835	1844	1850					
Water Temp (°F)	69.7	69.5	69.7					
pH (s.u.)	5.17	5.72	6.84					
Specific Cond. (mS/cm)	.621	.610	.519					
Turbidity (*)	105	78	21					
Dissolved Oxygen	1.70	.58	2.11					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1850

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 9/28/11
Field Personnel R. Infinger, M. Bennett and J. Boots
General Weather Condition Cloudy
Ambient Air Temperature 89 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba U-5000 Conductivity Meter: Horiba U-5000
serial no. W22MV13L serial no. W22MV13L
pH=4.0 Internal Standard Internal
pH=7.0 Internal Standard Internal
pH=10.0 Internal Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- T-5

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 90 ft.
Depth to GW (DWG) 54.25 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5.80	11	17.5					
Time (military)	1854	1908	1910					
Water Temp (°F)	6.97	6.98	6.96					
pH (s.u.)	5.12	6.22	7.56					
Specific Cond. (mS/cm)	515	526	574					
Turbidity (*)	107	54	78					
Dissolved Oxygen	.71	.86	2.74					
Salinity	0.1	0.1	0.1					
OVA	-							

Sample Time: 1910

APPENDIX D

Disposal Manifest

US Water Recovery

Non-Hazardous Wastewater Manifest

Number:

1. Generator's EPA ID# (if applicable):

Waste ID Number:

2. Generator's Name and Mailing Address:
SM #33

Phone ( )

P O #:

3. Agent of Generator and Mailing Address:
KLM Environmental

Phone ( )

P O #:

4. Transporter Company Name:
Vacuum Recovery Tech

Phone ( )

Truck & Trailer License Number:

5. Transporter U.S. EPA ID#:

6. Facility Name and Site Address:
U S Water Recovery
435 Old Mt. Holly Rd.
Mt. Holly, SC 29445

Phone: (843) 797-8674

Fax: (843) 797-2126

Mailing Address:
U.S Water Recovery
~~511 Old Mt. Holly Rd.~~
~~Goose Creek, SC 29445~~
210 S. Cedar
Summerville

Phone: (843) 797-3111

Fax: (843) ~~797-0710~~
797-1664

7. Facility U.S. EPA ID#:

Start Level:

End Level:

Total Gallons:

Tank Number

8. U.S. DOT Desciption	Container No.	Container Type	Unit	Quantity
a. Non-Hazardous, non-regulated waste water				2944
Cornerstone 28				256
Rudt Construction				525

9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.

Printed/Typed Name: Jason Bach
Signature: Jason Bach
Date: 10-24-11

10. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: Wayne Tafoya
Signature: Wayne Tafoya
Date: 10-24-11

11. Discrepancy indication space:

12. Facility Owner or Operator: Certification of Receipt of Materials

Printed/Typed Name: David Wenl
Signature: [illegible]
Date: 10-24-11

White - Facility Yellow - Transporter Pink - Generator

4410

APPENDIX E

Historical Groundwater Elevations

TABLE 1 Historical Groundwater Data (feet) Corner Stop #28 Ware Shoals, SC						
Monitoring Well	**Date**	**TOC Elevation**	**Screened Interval**	**TOC to FP**	**TOC to GW**	**GW Elevation**
MW-1	5/30/07	99.42	34-54	46.11	48.03	51.39
	10/23/07			46.53	48.20	51.22
	2/27/08			47.32	48.94	--
	12/4/08			49.26	49.57	FP
	6/1/09			48.11	48.57	--
	9/28/10			44.72	48.75	FP
	2/28/11			46.40	48.53	FP
	9/28/11			47.39	48.44	FP
MW-2	5/30/07	98.19	45-55	-	43.38	54.81
	10/23/07			-	43.41	54.78
	2/27/08			--	43.29	54.90
	12/4/08			--	44.33	53.86
	6/1/09			--	41.06	57.13
	9/28/10			--	42.31	55.88
	2/28/11			--	44.59	53.6
	9/28/11			--	45.03	53.16
MW-3	5/30/07	99.02	45-55	45.41	45.45	53.57
	10/23/07			45.62	45.64	53.38
	2/27/08			46.17	46.29	--
	12/4/08			47.53	47.55	FP
	6/1/09			--	46.60	52.42
	9/28/10			--	44.65	54.37
	2/28/11			--	46.71	52.31
	9/28/11			--	46.52	52.50
MW-4	5/30/07	102.70	45-60	-	DRY	-
	10/23/07			-	Dry	Dry
	2/27/08			--	Dry	Dry
	12/4/08			DRY	DRY	DRY
	6/1/09			--	DRY	--
	9/28/10			--	48.60	54.10
	2/28/11			--	51.02	51.68
	9/28/11			--	Dry	--
MW-5	5/30/07	99.90	35-60	-	45.74	54.16
	10/23/07			-	46.40	53.50
	2/27/08			--	47.26	52.64
	12/4/08			--	49.00	50.90
	6/1/09			--	47.92	51.98
	9/28/10			--	45.22	54.68
	2/28/11			--	47.60	52.3
	9/28/11			--	47.37	52.53
MW-6	5/30/07	101.45	33-48	-	47.53	53.92
	10/23/07			-	Dry	Dry
	2/28/11			-	Dry	Dry

TABLE 1 CONT. Historical Groundwater Data (feet) Corner Stop #28 Ware Shoals, SC						
Monitoring Well	**Date**	**TOC Elevation**	**Screened Interval**	**TOC to FP**	**TOC to GW**	**GW Elevation**
MW-6R	2/27/08	101.94	45-65	--	56.98	44.96
	12/4/08			--	59.27	42.67
	6/1/09			--	58.77	43.17
	9/28/10			--	53.69	48.25
	2/28/11			--	55.80	46.14
	9/28/11			--	56.82	45.12
MW-7	5/30/07	101.61	35-60	53.39	54.15	47.46
	10/23/07			55.27	57.11	44.50
	2/27/08			57.52	57.63	--
	12/4/08			59.29	59.32	FP
	6/1/09			58.98	59.02	--
	9/28/10			53.83	53.84	FP
	2/28/11			56.30	56.32	FP
	9/28/11			57.45	57.55	FP
MW-9	5/30/07	96.71	35-60	-	37.16	59.55
	10/23/07			-	41.84	54.87
	2/27/08			--	41.92	54.79
	12/4/08			--	42.21	54.50
	6/1/09			--	36.70	60.01
	9/28/10			--	39.25	57.46
	2/28/11			--	41.90	54.81
	9/28/11			--	41.79	54.92
MW-10	5/30/07	98.24	35-60	-	34.78	63.46
	10/23/07			-	34.95	63.29
	2/27/08			--	35.03	63.21
	12/4/08			--	35.00	63.24
	6/1/09			--	35.85	62.39
	9/28/10			--	34.76	63.48
	2/28/11			--	57.12	41.12
	9/28/11			--	35.06	63.18
MW-11	5/30/07	100.53	30-55	49.79	53.11	47.42
	10/23/07			51.60	54.21	46.32
	2/27/08			53.41	54.45	--
	12/4/08			54.73	54.89	FP
	6/1/09			54.73	54.85	--
	9/28/10			--	50.78	49.75
	2/28/11			--	53.20	47.33
	9/28/11			53.77	54.46	FP
MW-12	5/30/07	97.96	33-48	-	CNL	-
	10/23/07			-	CNL	CNL
	2/27/08			--	CNL	CNL
	12/4/08			DRY	DRY	DRY
	2/28/11			DRY	DRY	DRY

TABLE 1 CONT. Historical Groundwater Data (feet) Corner Stop #28 Ware Shoals, SC						
Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	GW Elevation
MW-12R	6/1/09	99.58	50-70	--	40.62	58.96
	9/28/10			--	40.20	59.38
	2/28/11			--	42.71	56.87
	9/28/11			--	41.72	57.86
MW-13	5/30/07	99.96	40-60	-	41.39	58.57
	10/23/07			-	41.28	58.68
	2/27/08			--	41.52	58.44
	12/4/08			--	43.27	56.69
	6/1/09			--	41.75	58.21
	9/28/10			--	40.15	59.81
	2/28/11			--	42.69	57.27
	9/28/11			--	42.79	57.17
MW-14	5/30/07	102.92	40-60	-	50.84	52.08
	10/23/07			-	52.62	50.30
	2/27/08			--	54.30	48.62
	12/4/08			--	56.78	46.14
	6/1/09			--	56.31	46.61
	9/28/10			--	51.18	51.74
	2/28/11			--	53.48	49.44
	9/28/11			--	54.28	48.64
MW-15	5/30/07	101.50	40-60	-	54.04	47.46
	10/23/07			55.84	55.85	45.65
	2/27/08			57.44	58.19	--
	12/4/08			DRY	DRY	DRY
	6/1/09			--	DRY	--
	9/28/10			54.40	54.42	FP
	2/28/11			56.60	56.62	FP
	9/28/11			57.10	57.11	FP
MW-15R	6/1/09	101.29	50-70	59.86	59.87	--
	9/28/10			54.12	56.80	FP
	2/28/11			56.33	56.46	FP
	9/28/11			57.42	60.59	FP
MW-16	5/30/07	98.68	40-60	-	50.71	47.97
	10/23/07			-	52.35	46.33
	2/27/08			--	52.65	46.03
	12/4/08			--	52.59	46.09
	6/1/09			--	50.33	48.35
	9/28/10			--	50.30	48.38
	2/28/11			--	52.96	45.72
	9/28/11			--	51.68	47
MW-17	10/23/07	99.05	40-60	-	41.72	57.33
	2/27/08			--	41.33	57.72
	12/4/08			--	42.20	56.85
	6/1/09			--	38.80	60.25
	9/28/10			--	38.72	60.33
	2/28/11			--	41.11	57.94
	9/28/11			--	40.14	58.91

TABLE 1 CONT. Historical Groundwater Data (feet) Corner Stop #28 Ware Shoals, SC						
Monitoring Well	**Date**	**TOC Elevation**	**Screened Interval**	**TOC to FP**	**TOC to GW**	**GW Elevation**
MW-18	10/23/07	101.23	40-60	-	55.38	45.85
	2/27/08			55.76	55.84	--
	12/4/08			55.87	55.93	FP
	6/1/09			55.77	55.97	--
	9/28/10			54.25	54.26	FP
	2/28/11			56.29	56.30	FP
	9/28/11			55.84	55.90	45.33
MW-19	10/23/07	102.19	40-60	-	56.62	45.57
	2/27/08			58.95	58.97	--
	12/4/08			DRY	DRY	DRY
	6/1/09			--	DRY	--
	9/28/10			--	55.08	47.11
	2/28/11			--	57.21	44.98
MW-19R	6/1/09	102.03	50-70	--	60.48	41.55
	9/28/10			--	55.59	46.44
	2/28/11			--	57.97	44.06
	9/28/11			--	58.01	44.02
MW-20	10/23/07	91.47	40-60	-	50.56	40.91
	2/27/08			--	52.52	38.95
	12/4/08			--	55.01	36.46
	6/1/09			--	54.50	36.97
	9/28/10			--	48.98	42.49
	2/28/11			--	51.32	40.15
	9/28/11			--	52.48	38.99
MW-21	2/27/08	100.39	45-65	--	58.70	41.69
	12/4/08			--	61.25	39.14
	6/1/09			--	60.60	39.79
	9/28/10			--	54.90	45.49
	2/28/11			--	56.99	43.4
	9/28/11			--	58.54	41.85
MW-22	2/27/08	100.39	45-65	--	58.37	42.02
	12/4/08			60.57	61.25	FP
	6/1/09			59.55	60.01	--
	9/28/10			55.35	55.65	FP
	2/28/11			57.81	57.92	FP
	9/28/11			58.02	58.51	FP
MW-23	12/4/08	101.62	45-65	--	59.52	42.10
	6/1/09			--	59.87	41.75
	9/28/10			--	53.93	47.69
	2/28/11			--	55.90	45.72
	9/28/11			--	57.27	44.35
MW-24	12/4/08	101.71	45-65	--	61.91	39.80
	6/1/09			--	58.71	43.00
	9/28/10			--	48.75	52.96
	2/28/11			--	51.01	50.7
	9/28/11			--	48.66	53.05

TABLE 1 CONT. Historical Groundwater Data (feet) Corner Stop #28 Ware Shoals, SC						
Monitoring Well	**Date**	**TOC Elevation**	**Screened Interval**	**TOC to FP**	**TOC to GW**	**GW Elevation**
MW-25	12/4/08	97.73	45-65	DRY	DRY	DRY
	6/1/09			--	33.76	63.97
	9/28/10			--	32.95	64.78
	2/28/11			--	35.11	62.62
	9/28/11			--	37.74	59.99
MW-26	12/4/08	100.01	45-65	--	52.96	47.05
	6/1/09			--	52.14	47.87
	9/28/10			--	58.01	42.00
	2/28/11			--	60.25	39.76
	9/28/11			--	50.62	49.39
MW-27	12/4/08	94.30	45-65	--	54.22	40.08
	6/1/09			--	53.42	40.88
	9/28/10			--	48.25	46.05
	2/28/11			--	50.50	43.80
	9/28/11			--	51.65	42.65
MW-28	12/4/08	87.21	45-65	--	50.32	36.89
	6/1/09			--	48.57	38.64
	9/28/10			--	44.38	42.83
	2/28/11			--	46.70	40.51
	9/28/11			--	47.83	39.38
MW-29	6/1/09	96.72	50-70	--	33.10	63.62
	9/28/10			--	33.00	63.72
	2/28/11			--	35.17	61.55
	9/28/11			--	32.78	63.94
MW-30	6/1/09	102.10	50-70	--	50.21	51.89
	9/28/10			--	50.22	51.88
	2/28/11			--	52.68	49.42
	9/28/11			--	50.22	51.88
MW-31	6/1/09	94.97	50-70	--	37.01	57.96
	9/28/10			--	38.19	56.78
	2/28/11			--	40.15	54.82
	9/28/11			--	38.42	56.55
MW-32	6/1/09	86.78	50-70	--	44.40	42.38
	9/28/10			--	43.40	43.38
	2/28/11			--	45.83	40.95
	9/28/11			--	46.33	40.45
MW-33	6/1/09	88.98	50-70	52.06	52.37	--
	9/28/10			46.72	47.00	FP
	2/28/11			48.79	49.08	FP
	9/28/11			50.36	50.78	FP
MW-34	6/1/09	90.20	50-70	--	53.79	36.41
	9/28/10			--	48.14	42.06
	2/28/11			--	50.19	40.01
	9/28/11			--	51.79	38.41

TABLE 1 CONT. Historical Groundwater Data (feet) Corner Stop #28 Ware Shoals, SC						
Monitoring Well	**Date**	**TOC Elevation**	**Screened Interval**	**TOC to FP**	**TOC to GW**	**GW Elevation**
MW-35	6/1/09	71.30	50-70	--	39.12	32.18
	9/28/10			--	37.70	33.60
	2/28/11			--	39.87	31.43
	9/28/11			--	38.22	33.08
MW-36	6/1/09	81.34	50-70	--	50.30	31.04
	9/28/10			--	53.40	27.94
	2/28/11			--	55.62	25.72
	9/28/11			--	46.42	34.92
MW-37	6/1/09	67.13	50-70	--	37.96	29.17
	9/28/10			--	43.25	23.88
	2/28/11			--	45.74	21.39
	9/28/11			--	37.78	29.35
MW-38	6/1/09	72.76	50-70	--	41.90	30.86
	9/28/10			--	46.58	26.18
	2/28/11			--	48.90	23.86
	9/28/11			--	40.51	32.25
MW-39	6/1/09	89.53	50-70	--	47.40	42.13
	9/28/10			--	49.61	39.92
	2/28/11			--	44.25	45.28
	9/28/11			--	50.04	39.49
MW-40	6/1/09	91.41	50-70	--	53.87	37.54
	9/28/10			--	57.57	33.84
	2/28/11			--	59.81	31.60
	9/28/11			--	50.98	40.43
MW-41	6/1/09	94.23	50-70	--	DRY	--
	9/28/10			--	51.58	42.65
	2/28/11			--	53.86	40.37
	9/28/11			--	41.50	52.73
MW-42	6/1/09	100.92	50-70	--	55.38	45.54
	9/28/10			--	60.29	40.63
	2/28/11			--	62.37	38.55
	9/28/11			--	52.89	48.03
MW-43	6/1/09	95.52	50-70	--	45.78	49.74
	9/28/10			--	51.51	44.01
	2/28/11			--	53.80	41.72
	9/28/11			--	43.85	51.67
MW-44	9/28/10	63.92	30-50	--	43.93	19.99
	2/28/11			--	45.82	18.10
	9/28/11			--	47.85	16.07
MW-45	9/28/10	64.00	30-50	--	40.42	23.58
	2/28/11			--	42.51	21.49
	9/28/11			--	33.77	30.23
MW-46	9/28/10	55.65	30-50	--	37.76	17.89
	2/28/11			--	40.15	15.50
	9/28/11			--	30.74	24.91

TABLE 1 CONT. Historical Groundwater Data (feet) Corner Stop #28 Ware Shoals, SC						
Monitoring Well	**Date**	**TOC Elevation**	**Screened Interval**	**TOC to FP**	**TOC to GW**	**GW Elevation**
MW-47	9/28/10	68.64	30-50	--	41.13	27.51
	2/28/11			--	43.63	25.01
	9/28/11			--	35.00	33.64
MW-48	2/28/11	68.77	35-45	--	35.90	32.87
	9/28/11			--	37.54	31.23
MW-49	2/28/11	58.36	30-40	--	32.20	26.16
	9/28/11			--	34.29	24.07
MW-50	2/28/11	58.69	20-30	--	24.58	34.11
	9/28/11			--	27.03	31.66
MW-51	2/28/11	62.92	30-40	--	31.00	31.92
	9/28/11			--	32.52	30.40
MW-52	3/22/11	60.02	38-48	--	47.62	12.40
	9/28/11			--	34.77	25.25
MW-53	2/28/11	51.61	25-35	26.65	26.79	FP
	9/28/11			24.97	25.81	FP
MW-54	9/28/11	59.23	40-50	--	41.60	17.63
MW-55	9/28/11	39.76	40-50	--	Dry	--
MW-56	9/28/11	37.50	32-42	--	33.25	4.25
T-1**	5/30/07	100.32	71-81	-	51.91	48.41
	10/23/07			-	53.40	46.92
	2/27/08			--	55.67	44.65
	12/4/08			--	56.82	43.50
	6/1/09			--	57.46	42.86
	9/28/10			--	58.10	42.22
	2/28/11			--	60.41	39.91
	9/28/11			--	54.68	45.64
T-2**	10/23/07	91.86	76-81	-	51.04	40.82
	2/27/08			--	52.98	38.88
	12/4/08			--	55.46	36.40
	6/1/09			--	54.93	36.93
	9/28/10			--	49.45	42.41
	2/28/11			--	51.90	39.96
	9/28/11			--	52.94	38.92
T-3**	6/1/09	95.68	85-90	--	53.52	42.16
	9/28/10			--	47.19	48.49
	2/28/11			--	49.01	46.67
	9/28/11			--	51.65	44.03
T-4**	9/28/10	89.32	76-81	--	43.01	46.31
	2/28/11			--	44.85	44.47
	9/28/11			--	45.72	43.60
T-5**	9/28/10	89.31	85-90	--	61.24	28.07
	2/28/11			--	63.11	26.20
	9/28/11			--	54.25	35.06

APPENDIX F

Tax Maps

KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

Appendix F
Tax Map
Corner Stop 28
Ware Shoals, SC
Project # 05094.7

Greenwood County, SC

Parcel ID	6923-254-688	*Total Cap Value*	$37,700
Owner Name	FAST POINT FOOD STORES INC #17	*Total Market Value*	$54,900
Mailing Address	2811 REIDVILLE RD STE 11	*Assessed Value*	2260
City State Zip	SPARTANBURG, SC 29301-5650	*Bedrooms*	0
Purchase Date	Friday, January 03, 1997	*Bathrooms*	0
Deed	471-19	*HalfBaths*	0
Plat	109-35	*Finis. Basement SqFt*	0
Property Address	717 Greenwood Av N	*Unfin. Basement SqFt*	0
Subdivision	CORK EST	*Tax Exemption*	
Description	PT LT-19&20	*Appraised By*	County
Year Built	1981	*Tax District*	14-Town of Ware Shoals
Square Footage	1596	*On Lake Greenwood*	N
Total Tax Value	$37,700		

Disclaimer: Map and parcel data are believed to be accurate, but accuracy is not guaranteed. This is not a legal document and should not be substituted for a title search, appraisal, survey, or for zoning verification.

Map Scale
1 inch = 65 feet

Greenwood County, SC

Parcel ID	6923-259-678	*Total Cap Value*	$0
Owner Name	LIN FENG/PAN WEN QIN	*Total Market Value*	$42,800
Mailing Address	122 DRINKARD ST	*Assessed Value*	2570
City State Zip	LINCOLNTON, GA 30817-0000	*Bedrooms*	1
Purchase Date	Friday, February 04, 2011	*Bathrooms*	1
Deed	1246-44	*HalfBaths*	0
Plat	121-66	*Finis. Basement SqFt*	0
Property Address	713 Greenwood Av N	*Unfin. Basement SqFt*	0
Subdivision	CORK EST	*Tax Exemption*	
Description	LT 4	*Appraised By*	County
Year Built	1954	*Tax District*	14-Town of Ware Shoals
Square Footage	1860	*On Lake Greenwood*	N
Total Tax Value	$42,800		

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Map Scale
1 inch = 71 feet

Greenwood County, SC

Parcel ID	6923-248-681	*Total Tax Value*	$9,800
Owner Name	PAGE DOROTHY R	*Total Cap Value*	$0
Mailing Address	619 SMITH ST EXT	*Total Market Value*	$9,800
City State Zip	DONALDS, SC 29638-0000	*Assessed Value*	590
Purchase Date	Thursday, December 11, 2008	*Bedrooms*	0
Deed	1135-258	*Bathrooms*	0
Plat	121-66	*HalfBaths*	0
Property Address	Cork St W	*Finis. Basement SqFt*	0
Subdivision	CORK EST	*Unfin. Basement SqFt*	0
Description	LT 5	*Tax Exemption*	
Year Built	0	*Appraised By*	County
Square Footage	0	*Tax District*	14-Town of Ware Shoals
Estimated Acres	0.15	*On Lake Greenwood*	N
Deeded Acres	0		

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Map Scale
1 inch = 71 feet

Greenwood County, SC

Parcel ID	6923-253-666	*Total Cap Value*	$40,300
Owner Name	BUTLER BRYAN E/MARION B	*Total Market Value*	$35,000
Mailing Address	P O BOX 147	*Assessed Value*	2100
City State Zip	WARE SHOALS, SC 29692-0000	*Bedrooms*	0
Purchase Date	Thursday, February 20, 1997	*Bathrooms*	0
Deed	474-111	*HalfBaths*	0
Plat	101-28	*Finis. Basement SqFt*	0
Property Address	Balentine Dr	*Unfin. Basement SqFt*	0
Subdivision	CORK EST	*Tax Exemption*	
Description	1 LOT (1.13AC) J C CORK PR	*Appraised By*	County
Year Built	0	*Tax District*	14-Town of Ware Shoals
Square Footage	0	*On Lake Greenwood*	N
Total Tax Value	$35,000		

Disclaimer: Map and parcel data are believed to be accurate, but accuracy is not guaranteed. This is not a legal document and should not be substituted for a title search, appraisal, survey, or for zoning verification.

Map Scale
1 inch = 167 feet

Greenwood County, SC

Parcel ID	6923-232-658	*Total Cap Value*	$0
Owner Name	HORNE DANNY SCOTT	*Total Market Value*	$32,000
Mailing Address	19 N GREENWOOD AV EXT	*Assessed Value*	1920
City State Zip	WARE SHOALS, SC 29692-0000	*Bedrooms*	0
Purchase Date	Tuesday, February 10, 2009	*Bathrooms*	0
Deed	1143-45	*HalfBaths*	0
Plat	2-188	*Finis. Basement SqFt*	0
Property Address	Cork St W	*Unfin. Basement SqFt*	0
Subdivision	FOXWOOD TR PK	*Tax Exemption*	
Description	LTS 26-28 FOXWOOD MHP	*Appraised By*	County
Year Built	0	*Tax District*	14-Town of Ware Shoals
Square Footage	0	*On Lake Greenwood*	N
Total Tax Value	$32,000		

Disclaimer: Map and parcel data are believed to be accurate, but accuracy is not guaranteed. This is not a legal document and should not be substituted for a title search, appraisal, survey, or for zoning verification.

Map Scale
1 inch = 203 feet

Greenwood County, SC

Parcel ID	6923-246-645	*Total Cap Value*	$16,800
Owner Name	VSLM ENTERPRISES OF GREENWOOD LLC	*Total Market Value*	$15,900
Mailing Address	5317 HWY 178 S	*Assessed Value*	950
City State Zip	NINETY SIX, SC 29666-0000	*Bedrooms*	0
Purchase Date	Monday, June 03, 2002	*Bathrooms*	0
Deed	730-26	*HalfBaths*	0
Plat	3-25	*Finis. Basement SqFt*	0
Property Address	14 Balentine Dr	*Unfin. Basement SqFt*	0
Subdivision	CORK EST	*Tax Exemption*	
Description	LT 24 CORK EST	*Appraised By*	County
Year Built	1948	*Tax District*	14-Town of Ware Shoals
Square Footage	1104	*On Lake Greenwood*	N
Total Tax Value	$15,900		

Disclaimer: Map and parcel data are believed to be accurate, but accuracy is not guaranteed. This is not a legal document and should not be substituted for a title search, appraisal, survey, or for zoning verification.

Map Scale
1 inch = 382 feet

Greenwood County, SC

Parcel ID	6923-242-650	*Total Cap Value*	$3,500
Owner Name	TAYLOR DALLAS	*Total Market Value*	$3,000
Mailing Address	PO BOX 5	*Assessed Value*	180
City State Zip	WARE SHOALS, SC 29692-0000	*Bedrooms*	0
Purchase Date	Monday, June 16, 2003	*Bathrooms*	0
Deed	789-174	*HalfBaths*	0
Plat	2-188	*Finis. Basement SqFt*	0
Property Address	Balentine Dr	*Unfin. Basement SqFt*	0
Subdivision	CORK EST	*Tax Exemption*	
Description	LT 25 CORK EST	*Appraised By*	County
Year Built	0	*Tax District*	14-Town of Ware Shoals
Square Footage	0	*On Lake Greenwood*	N
Total Tax Value	$3,000		

Disclaimer: Map and parcel data are believed to be accurate, but accuracy is not guaranteed. This is not a legal document and should not be substituted for a title search, appraisal, survey, or for zoning verification.

Map Scale
1 inch = 382 feet

Greenwood County, SC

Parcel ID	6923-251-640	*Total Cap Value*	$3,500
Owner Name	TAYLOR DALLAS	*Total Market Value*	$3,000
Mailing Address	PO BOX 5	*Assessed Value*	180
City State Zip	WARE SHOALS, SC 29692-0000	*Bedrooms*	0
Purchase Date	Monday, June 16, 2003	*Bathrooms*	0
Deed	789-174	*HalfBaths*	0
Plat	72-119	*Finis. Basement SqFt*	0
Property Address	Balentine Dr	*Unfin. Basement SqFt*	0
Subdivision	CORK EST	*Tax Exemption*	
Description	LT 23 CORK EST	*Appraised By*	County
Year Built	0	*Tax District*	14-Town of Ware Shoals
Square Footage	0	*On Lake Greenwood*	N
Total Tax Value	$3,000		

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Map Scale
1 inch = 382 feet

Greenwood County, SC

Parcel ID	6923-224-648	*Total Cap Value*	$16,100
Owner Name	TAYLOR DALLAS	*Total Market Value*	$18,900
Mailing Address	PO BOX 5	*Assessed Value*	640
City State Zip	WARE SHOALS, SC 29692-0005	*Bedrooms*	0
Purchase Date	Thursday, April 15, 1982	*Bathrooms*	0
Deed	287-484	*HalfBaths*	0
Plat	3-25	*Finis. Basement SqFt*	0
Property Address	7 Cork St W	*Unfin. Basement SqFt*	0
Subdivision	CORK EST	*Tax Exemption*	
Description	LT 33 CORK EST	*Appraised By*	County
Year Built	1970	*Tax District*	14-Town of Ware Shoals
Square Footage	1200	*On Lake Greenwood*	N
Total Tax Value	$16,100		

Disclaimer: Map and parcel data are believed to be accurate, but accuracy is not guaranteed. This is not a legal document and should not be substituted for a title search, appraisal, survey, or for zoning verification.

Map Scale
1 inch = 382 feet

Greenwood County, SC

Parcel ID	6923-239-634	*Total Cap Value*	$1,200
Owner Name	TAYLOR DALLAS	*Total Market Value*	$1,000
Mailing Address	PO BOX 5	*Assessed Value*	60
City State Zip	WARE SHOALS, SC 29692-0000	*Bedrooms*	0
Purchase Date	Thursday, June 06, 2002	*Bathrooms*	0
Deed	731-296	*HalfBaths*	0
Plat	2-188	*Finis. Basement SqFt*	0
Property Address	Cork St W	*Unfin. Basement SqFt*	0
Subdivision	CORK EST	*Tax Exemption*	
Description	LT 34 CORK EST	*Appraised By*	County
Year Built	0	*Tax District*	14-Town of Ware Shoals
Square Footage	0	*On Lake Greenwood*	N
Total Tax Value	$1,000		

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Map Scale
1 inch = 382 feet

Greenwood County, SC

Parcel ID	6923-219-642	*Total Cap Value*	$600
Owner Name	TAYLOR DALLAS	*Total Market Value*	$500
Mailing Address	PO BOX 5	*Assessed Value*	30
City State Zip	WARE SHOALS, SC 29692-0000	*Bedrooms*	0
Purchase Date	Thursday, June 06, 2002	*Bathrooms*	0
Deed	731-296	*HalfBaths*	0
Plat	2-188	*Finis. Basement SqFt*	0
Property Address	Cork St W	*Unfin. Basement SqFt*	0
Subdivision	CORK EST	*Tax Exemption*	
Description	LT 35 CORK EST	*Appraised By*	County
Year Built	0	*Tax District*	14-Town of Ware Shoals
Square Footage	0	*On Lake Greenwood*	N
Total Tax Value	$500		

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Map Scale
1 inch = 382 feet

Greenwood County, SC

Parcel ID	6923-215-636	*Total Cap Value*	$1,200
Owner Name	TAYLOR DALLAS	*Total Market Value*	$1,000
Mailing Address	PO BOX 5	*Assessed Value*	60
City State Zip	WARE SHOALS, SC 29692-0005	*Bedrooms*	0
Purchase Date	Tuesday, October 20, 1987	*Bathrooms*	0
Deed	326-816	*HalfBaths*	0
Plat	2-188	*Finis. Basement SqFt*	0
Property Address	Cork St W	*Unfin. Basement SqFt*	0
Subdivision	CORK EST	*Tax Exemption*	
Description	LT 37 CORK EST	*Appraised By*	County
Year Built	0	*Tax District*	14-Town of Ware Shoals
Square Footage	0	*On Lake Greenwood*	N
Total Tax Value	$1,000		

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Map Scale
1 inch = 382 feet

Greenwood County, SC

Parcel ID	6923-219-623	*Total Cap Value*	$600
Owner Name	TAYLOR DALLAS(NMI)	*Total Market Value*	$1,000
Mailing Address	PO BOX 5	*Assessed Value*	40
City State Zip	WARE SHOALS, SC 29692-0000	*Bedrooms*	0
Purchase Date	Thursday, July 25, 2002	*Bathrooms*	0
Deed	739-40	*HalfBaths*	0
Plat	2-188	*Finis. Basement SqFt*	0
Property Address	Cork St W	*Unfin. Basement SqFt*	0
Subdivision	CORK EST	*Tax Exemption*	
Description	LT 39 CORK EST	*Appraised By*	County
Year Built	0	*Tax District*	14-Town of Ware Shoals
Square Footage	0	*On Lake Greenwood*	N
Total Tax Value	$600		

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Map Scale
1 inch = 382 feet

Greenwood County, SC

Parcel ID	6923-212-591	*Total Cap Value*	$1,200
Owner Name	TAYLOR DALLAS(NMI)	*Total Market Value*	$1,000
Mailing Address	PO BOX 5	*Assessed Value*	60
City State Zip	WARE SHOALS, SC 29692-0000	*Bedrooms*	0
Purchase Date	Thursday, July 25, 2002	*Bathrooms*	0
Deed	739-40	*HalfBaths*	0
Plat	2-188	*Finis. Basement SqFt*	0
Property Address	Cork St W	*Unfin. Basement SqFt*	0
Subdivision	CORK EST	*Tax Exemption*	
Description	LT 47 CORK EST	*Appraised By*	County
Year Built	0	*Tax District*	14-Town of Ware Shoals
Square Footage	0	*On Lake Greenwood*	N
Total Tax Value	$1,000		

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Map Scale
1 inch = 382 feet

Greenwood County, SC

Parcel ID	6923-205-570	*Total Cap Value*	$1,200
Owner Name	TAYLOR DALLAS	*Total Market Value*	$1,000
Mailing Address	PO BOX 5	*Assessed Value*	60
City State Zip	WARE SHOALS, SC 29692-0005	*Bedrooms*	0
Purchase Date	Tuesday, October 20, 1987	*Bathrooms*	0
Deed	326-816	*HalfBaths*	0
Plat	2-188	*Finis. Basement SqFt*	0
Property Address	Cork St W	*Unfin. Basement SqFt*	0
Subdivision	CORK EST	*Tax Exemption*	
Description	LT 50 CORK EST	*Appraised By*	County
Year Built	0	*Tax District*	14-Town of Ware Shoals
Square Footage	0	*On Lake Greenwood*	N
Total Tax Value	$1,000		

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Map Scale
1 inch = 382 feet

Greenwood County, SC

Parcel ID	6923-216-610	*Total Cap Value*	$0
Owner Name	LITTLE RIVER BAPTIST CHURCH OF WS	*Total Market Value*	$500
Mailing Address	PO BOX 125	*Assessed Value*	30
City State Zip	WARE SHOALS, SC 29692-0000	*Bedrooms*	0
Purchase Date	Friday, October 26, 2007	*Bathrooms*	0
Deed	1075-195	*HalfBaths*	0
Plat	2-188	*Finis. Basement SqFt*	0
Property Address	Cork St W	*Unfin. Basement SqFt*	0
Subdivision	CORK EST	*Tax Exemption*	
Description	LT 44 CORK EST	*Appraised By*	County
Year Built	0	*Tax District*	14-Town of Ware Shoals
Square Footage	0	*On Lake Greenwood*	N
Total Tax Value	$500		

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Map Scale
1 inch = 382 feet

Greenwood County, SC

Parcel ID	6923-237-576	*Total Cap Value*	$0
Owner Name	LITTLE RIVER BAPTIST CHURCH	*Total Market Value*	$0
Mailing Address	PO BOX 125	*Assessed Value*	0
City State Zip	WARE SHOLAS, SC 29692-0000	*Bedrooms*	0
Purchase Date	Tuesday, January 29, 1985	*Bathrooms*	0
Deed	626-180	*HalfBaths*	0
Plat	112-142	*Finis. Basement SqFt*	0
Property Address	21 Fleming St W	*Unfin. Basement SqFt*	0
Subdivision		*Tax Exemption*	Dept. of Revenue Exempt
Description	1 LT & LT "A"	*Appraised By*	County
Year Built	0	*Tax District*	14-Town of Ware Shoals
Square Footage	0	*On Lake Greenwood*	N
Total Tax Value	$0		

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Map Scale
1 inch = 382 feet

Greenwood County, SC

Parcel ID	6923-259-618	*Total Cap Value*	$0
Owner Name	LITTLE RIVER BAPTIST CHURCH OF WS	*Total Market Value*	$7,500
Mailing Address	PO BOX 125	*Assessed Value*	450
City State Zip	WARE SHOALS, SC 29692-0000	*Bedrooms*	0
Purchase Date	Friday, October 26, 2007	*Bathrooms*	0
Deed	1075-195	*HalfBaths*	0
Plat	46-70	*Finis. Basement SqFt*	0
Property Address	Grove St	*Unfin. Basement SqFt*	0
Subdivision		*Tax Exemption*	
Description	1 LOT	*Appraised By*	County
Year Built	0	*Tax District*	14-Town of Ware Shoals
Square Footage	0	*On Lake Greenwood*	N
Total Tax Value	$7,500		

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Map Scale
1 inch = 382 feet

Greenwood County, SC

Parcel ID	6923-231-623	*Total Cap Value*	$0
Owner Name	LITTLE RIVER BAPTIST CHURCH OF WS	*Total Market Value*	$1,000
Mailing Address	PO BOX 125	*Assessed Value*	60
City State Zip	WARE SHOALS, SC 29692-0000	*Bedrooms*	0
Purchase Date	Friday, October 26, 2007	*Bathrooms*	0
Deed	1075-195	*HalfBaths*	0
Plat	2-188	*Finis. Basement SqFt*	0
Property Address	Cork St W	*Unfin. Basement SqFt*	0
Subdivision	CORK EST	*Tax Exemption*	
Description	PT 38 CORK EST	*Appraised By*	County
Year Built	0	*Tax District*	14-Town of Ware Shoals
Square Footage	0	*On Lake Greenwood*	N
Total Tax Value	$1,000		

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Map Scale
1 inch = 382 feet

Greenwood County, SC

Parcel ID	6923-235-629	*Total Tax Value*	$1,000
Owner Name	MOBLEY ROBERT H III/LINDSAY MOBLE	*Total Cap Value*	$1,200
Mailing Address	1141 SHADOW LN	*Total Market Value*	$1,000
City State Zip	FORT MEYERS, FL 33901-7731	*Assessed Value*	60
Purchase Date	Monday, April 13, 1998	*Bedrooms*	0
Deed	519-1	*Bathrooms*	0
Plat	2-188	*HalfBaths*	0
Property Address	Cork St W	*Finis. Basement SqFt*	0
Subdivision	CORK EST	*Unfin. Basement SqFt*	0
Description	LT 36 CORK EST	*Tax Exemption*	
Year Built	0	*Appraised By*	County
Square Footage	0	*Tax District*	14-Town of Ware Shoals
Estimated Acres	0.34	*On Lake Greenwood*	N
Deeded Acres	0		

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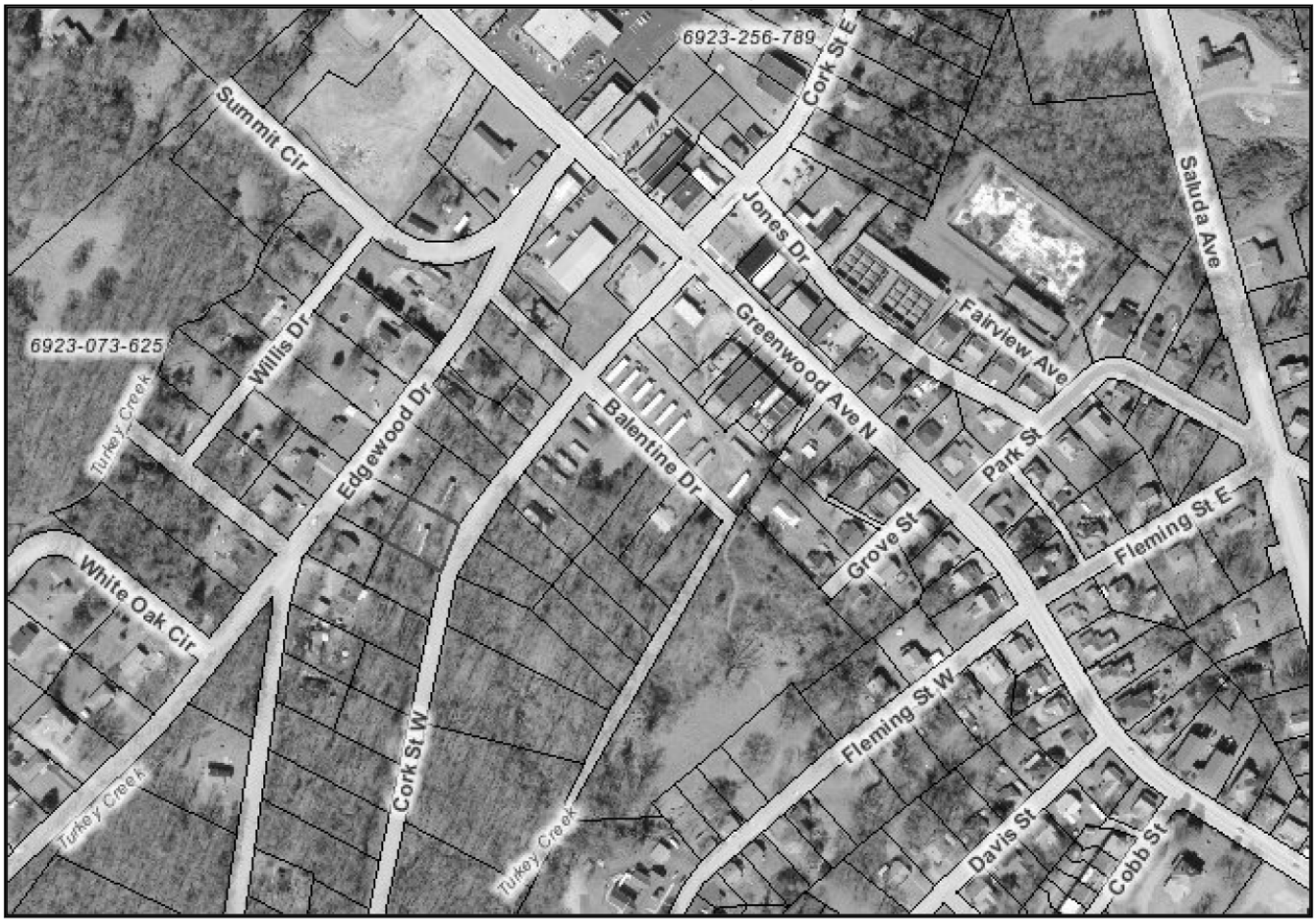
Map Scale
1 inch = 382 feet

Greenwood County, SC



Parcel ID	6923-199-644	*Total Cap Value*	$9,200
Owner Name	HONICUTT THOMAS R	*Total Market Value*	$5,000
Mailing Address	9 W CORK ST	*Assessed Value*	200
City State Zip	WARE SHOALS, SC 29692-0000	*Bedrooms*	3
Purchase Date	Friday, December 30, 2005	*Bathrooms*	2
Deed	957-126	*HalfBaths*	0
Plat	2-188	*Finis. Basement SqFt*	0
Property Address	9 Cork St W	*Unfin. Basement SqFt*	0
Subdivision	CORK EST	*Tax Exemption*	
Description	PT LT 41 CORK EST	*Appraised By*	County
Year Built	1977	*Tax District*	14-Town of Ware Shoals
Square Footage	672	*On Lake Greenwood*	N
Total Tax Value	$5,000		

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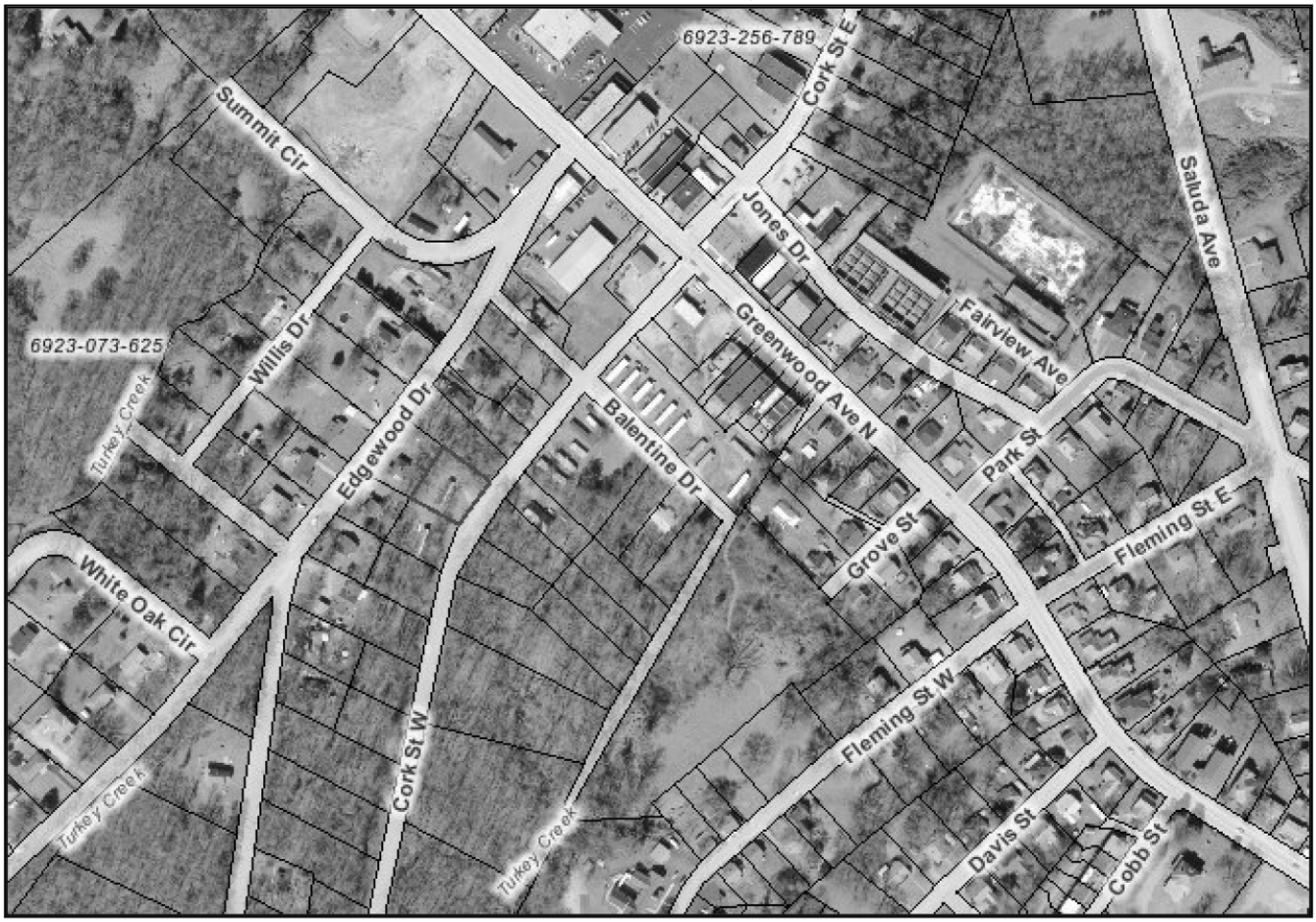
Map Scale
1 inch = 382 feet

Greenwood County, SC



Parcel ID	6923-204-654	*Total Cap Value*	$7,900
Owner Name	JAMES B POWELL ENTERPRISES LLC	*Total Market Value*	$3,500
Mailing Address	PO BOX 174	*Assessed Value*	

Greenwood County, SC

Parcel ID	6923-205-665	*Total Cap Value*	$5,800
Owner Name	MOBLEY ROBERT H III/LINDSAY MOBLE	*Total Market Value*	$5,000
Mailing Address	1141 SHADOW LN	*Assessed Value*	300
City State Zip	FORT MEYERS, FL 33901-7731	*Bedrooms*	0
Purchase Date	Monday, April 13, 1998	*Bathrooms*	0
Deed	519-1	*HalfBaths*	0
Plat	2-188	*Finis. Basement SqFt*	0
Property Address	Edgewood Dr	*Unfin. Basement SqFt*	0
Subdivision	CORK EST	*Tax Exemption*	
Description	LT 32 CORK EST	*Appraised By*	County
Year Built	0	*Tax District*	14-Town of Ware Shoals
Square Footage	0	*On Lake Greenwood*	N
Total Tax Value	$5,000		

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Map Scale
1 inch = 316 feet

Greenwood County, SC

Parcel ID	6923-211-669	*Total Tax Value*	$41,500
Owner Name	POWELL JAMES RAY/SHERRY A	*Total Cap Value*	$41,500
Mailing Address	PO BOX 174	*Total Market Value*	$46,400
City State Zip	WARE SHOALS, SC 29692-0174	*Assessed Value*	2490
Purchase Date	Friday, July 19, 1985	*Bedrooms*	0
Deed	308-887	*Bathrooms*	0
Plat	45-102	*HalfBaths*	0
Property Address	7 Edgewood Dr	*Finis. Basement SqFt*	1023
Subdivision	CORK EST	*Unfin. Basement SqFt*	0
Description	PT OF LT 31 CORK EST	*Tax Exemption*	
Year Built	1958	*Appraised By*	County
Square Footage	2852	*Tax District*	14-Town of Ware Shoals
Estimated Acres	0.3	*On Lake Greenwood*	N

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Map Scale
1 inch = 316 feet

Greenwood County, SC

Parcel ID	6923-219-671	*Total Cap Value*	$34,000
Owner Name	SAVAGE BETTY S	*Total Market Value*	$33,700
Mailing Address	3 W CORK ST	*Assessed Value*	1350
City State Zip	WARE SHOALS, SC 29692-0000	*Bedrooms*	2
Purchase Date	Friday, September 18, 2009	*Bathrooms*	1
Deed	1175-84	*HalfBaths*	0
Plat	3-25	*Finis. Basement SqFt*	0
Property Address	3 Cork St W	*Unfin. Basement SqFt*	0
Subdivision	CORK EST	*Tax Exemption*	
Description	PRT OF LT 30 CORK EST	*Appraised By*	County
Year Built	0	*Tax District*	14-Town of Ware Shoals
Square Footage	1014	*On Lake Greenwood*	N
Total Tax Value	$33,700		

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Map Scale
1 inch = 316 feet

Greenwood County, SC

Parcel ID	6923-211-678	*Total Cap Value*	$55,300
Owner Name	PAGE DOROTHY R	*Total Market Value*	$56,600
Mailing Address	619 SMITH ST EXT	*Assessed Value*	3320
City State Zip	DONALDS, SC 29638-0000	*Bedrooms*	0
Purchase Date	Thursday, December 11, 2008	*Bathrooms*	0
Deed	1135-258	*HalfBaths*	0
Plat	118-27	*Finis. Basement SqFt*	0
Property Address	5 Edgewood Dr	*Unfin. Basement SqFt*	1121
Subdivision	CORK EST	*Tax Exemption*	
Description	PT OF LT 30&31 CORK EST	*Appraised By*	County
Year Built	1948	*Tax District*	14-Town of Ware Shoals
Square Footage	2205	*On Lake Greenwood*	N
Total Tax Value	$55,300		

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Map Scale
1 inch = 316 feet

Greenwood County, SC

Parcel ID	6923-218-681	*Total Cap Value*	$3,500
Owner Name	LITTLE RIVER BAPTIST CHURCH OF WA	*Total Market Value*	$5,000
Mailing Address	PO BOX 125	*Assessed Value*	210
City State Zip	WARE SHOALS, SC 29692-0000	*Bedrooms*	0
Purchase Date	Monday, October 22, 2001	*Bathrooms*	0
Deed	699-42	*HalfBaths*	0
Plat	2-188	*Finis. Basement SqFt*	0
Property Address	Edgewood Dr	*Unfin. Basement SqFt*	0
Subdivision	CORK EST	*Tax Exemption*	
Description	LT 29 CORK EST	*Appraised By*	County
Year Built	0	*Tax District*	14-Town of Ware Shoals
Square Footage	0	*On Lake Greenwood*	N
Total Tax Value	$3,500		

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Map Scale
1 inch = 316 feet

Greenwood County, SC

Parcel ID	6923-221-691	*Total Cap Value*	$0
Owner Name	SOUTHERN CONNECTION LLC TRUST	*Total Market Value*	$37,100
Mailing Address	1 EDGEWOOD DR	*Assessed Value*	1480
City State Zip	WARE SHOALS, SC 29692-0000	*Bedrooms*	0
Purchase Date	Tuesday, April 04, 2006	*Bathrooms*	0
Deed	967-41	*HalfBaths*	0
Plat	2-188	*Finis. Basement SqFt*	0
Property Address	1 Edgewood Dr	*Unfin. Basement SqFt*	0
Subdivision		*Tax Exemption*	
Description	1 LT	*Appraised By*	County
Year Built	1948	*Tax District*	14-Town of Ware Shoals
Square Footage	2528	*On Lake Greenwood*	N
Total Tax Value	$37,100		

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Map Scale
1 inch = 316 feet

Greenwood County, SC

Parcel ID	6923-232-696	*Total Cap Value*	$5,800
Owner Name	JENNINGS ROBERT H JR/MARY	*Total Market Value*	$15,000
Mailing Address	16 KATHRYN WAY	*Assessed Value*	350
City State Zip	WARE SHOALS, SC 29692-1543	*Bedrooms*	0
Purchase Date	Thursday, December 14, 1995	*Bathrooms*	0
Deed	435-260	*HalfBaths*	0
Plat	5-4	*Finis. Basement SqFt*	0
Property Address	Greenwood Av N	*Unfin. Basement SqFt*	0
Subdivision	SALUDA HEIGHTS	*Tax Exemption*	
Description	1 LOT	*Appraised By*	County
Year Built	0	*Tax District*	14-Town of Ware Shoals
Square Footage	0	*On Lake Greenwood*	N
Total Tax Value	$5,800		

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Map Scale
1 inch = 316 feet

Greenwood County, SC

Parcel ID	6923-243-698	*Total Cap Value*	$0
Owner Name	HICKS MICHAEL W	*Total Market Value*	$25,000
Mailing Address	1025 RIDGEWOOD DR	*Assessed Value*	1500
City State Zip	WATERLOO, SC 29384-0000	*Bedrooms*	0
Purchase Date	Thursday, May 21, 2009	*Bathrooms*	2
Deed	1157-83	*HalfBaths*	0
Plat	137-34	*Finis. Basement SqFt*	0
Property Address	719 Greenwood Av N	*Unfin. Basement SqFt*	0
Subdivision		*Tax Exemption*	
Description	1 LT	*Appraised By*	County
Year Built	1955	*Tax District*	14-Town of Ware Shoals
Square Footage	1232	*On Lake Greenwood*	N
Total Tax Value	$25,000		

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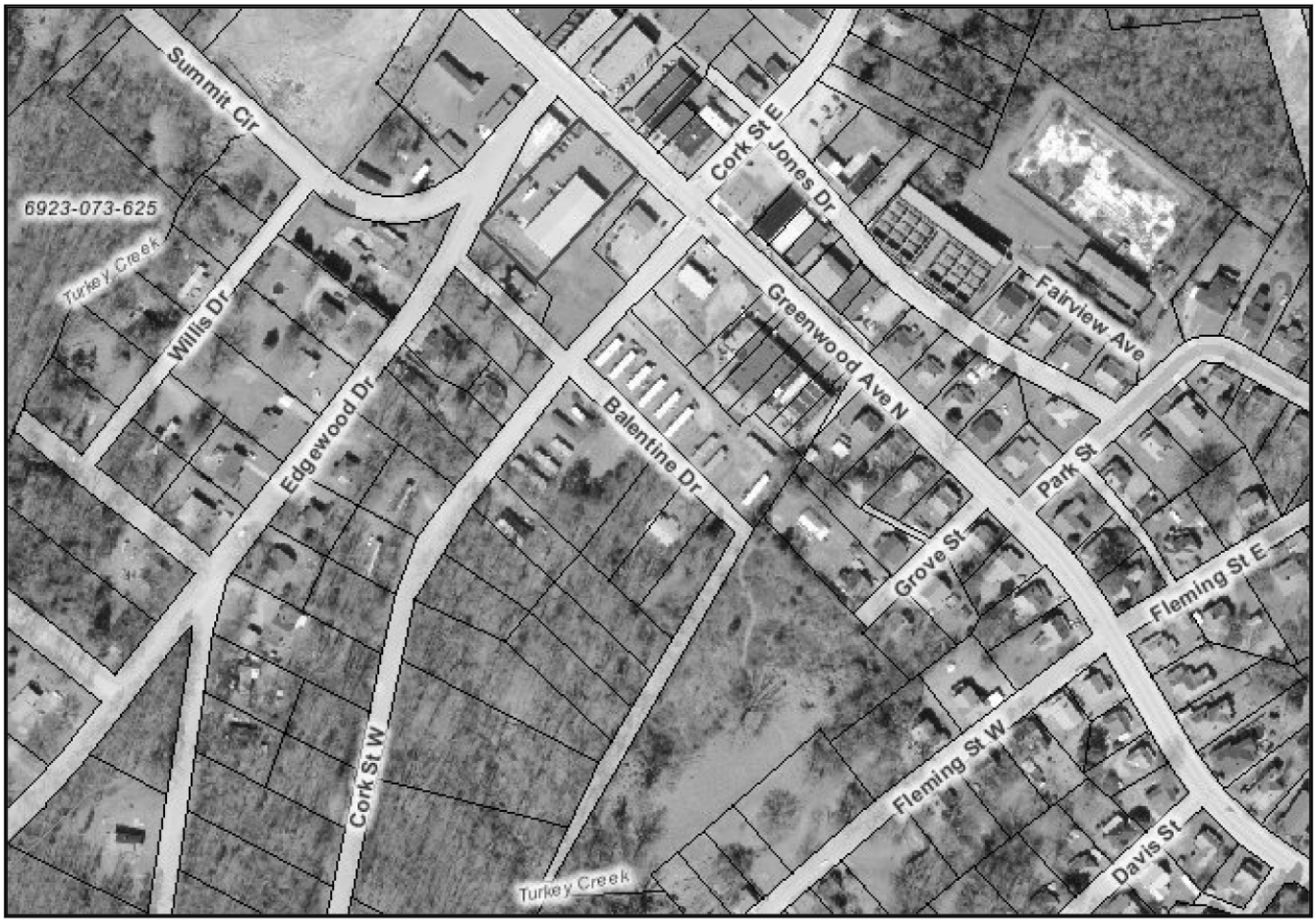
Map Scale
1 inch = 316 feet

Greenwood County, SC



Parcel ID	6923-229-703	*Total Cap Value*	$439,300
Owner Name	GREEN J GARRY	*Total Market Value*	$432,200
Mailing Address	9 QUAIL HILL CT	*Assessed Value*	25930
City State Zip	GREENVILLE, SC 29601-0000	*Bedrooms*	0
Purchase Date	Tuesday, December 09, 2003	*Bathrooms*	0
Deed	817-302	*HalfBaths*	0
Plat	118-50	*Finis. Basement SqFt*	0
Property Address	721 Greenwood Av N	*Unfin. Basement SqFt*	0
Subdivision	SALUDA HEIGHTS	*Tax Exemption*	
Description	1 LOT (.74AC)	*Appraised By*	County
Year Built	2003	*Tax District*	14-Town of Ware Shoals
Square Footage	6630	*On Lake Greenwood*	N
Total Tax Value	$432,200		

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Map Scale
1 inch = 316 feet

Greenwood County, SC

Parcel ID	6923-227-709	*Total Cap Value*	$25,200
Owner Name	JENNINGS ROBERT H JR/MARY	*Total Market Value*	$43,600
Mailing Address	16 KATHRYN WAY	*Assessed Value*	1510
City State Zip	WARE SHOALS, SC 29692-1543	*Bedrooms*	0
Purchase Date	Thursday, December 14, 1995	*Bathrooms*	0
Deed	435-260	*HalfBaths*	0
Plat	5-4	*Finis. Basement SqFt*	0
Property Address	729 Greenwood Av N	*Unfin. Basement SqFt*	0
Subdivision	SALUDA HEIGHTS	*Tax Exemption*	
Description	PT LT 2 SALUDA HGTS(.17AC)	*Appraised By*	County
Year Built	1955	*Tax District*	14-Town of Ware Shoals
Square Footage	3703	*On Lake Greenwood*	N
Total Tax Value	$25,200		

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Map Scale
1 inch = 316 feet

Greenwood County, SC

Parcel ID	6923-214-722	*Total Cap Value*	$182,900
Owner Name	RBM OF GREENWOOD INC	*Total Market Value*	$194,500
Mailing Address	120 QUEENS CT	*Assessed Value*	10970
City State Zip	GREENWOOD, SC 29649-0000	*Bedrooms*	0
Purchase Date	Tuesday, March 08, 2005	*Bathrooms*	0
Deed	895-226	*HalfBaths*	0
Plat	5-4	*Finis. Basement SqFt*	0
Property Address	731 Greenwood Av N	*Unfin. Basement SqFt*	0
Subdivision		*Tax Exemption*	
Description	1 LT	*Appraised By*	County
Year Built	1955	*Tax District*	14-Town of Ware Shoals
Square Footage	5560	*On Lake Greenwood*	N
Total Tax Value	$182,900		

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Map Scale
1 inch = 316 feet

Greenwood County, SC

Parcel ID	6923-203-710	*Total Cap Value*	$5,800
Owner Name	BOLING LINDA M/DONALD B	*Total Market Value*	$6,000
Mailing Address	PO BOX 145	*Assessed Value*	350
City State Zip	WARE SHOALS, SC 29692-0000	*Bedrooms*	0
Purchase Date	Monday, December 17, 2001	*Bathrooms*	0
Deed	703-262	*HalfBaths*	0
Plat	5-4	*Finis. Basement SqFt*	0
Property Address	4 Summit Cr	*Unfin. Basement SqFt*	0
Subdivision		*Tax Exemption*	
Description	1 LT	*Appraised By*	County
Year Built	0	*Tax District*	14-Town of Ware Shoals
Square Footage	0	*On Lake Greenwood*	N
Total Tax Value	$5,800		

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Map Scale
1 inch = 316 feet

Greenwood County, SC

Parcel ID	6923-198-694	*Total Cap Value*	$0
Owner Name	SUBER DEANNA M	*Total Market Value*	$80,200
Mailing Address	6 EDGEWOOD DR	*Assessed Value*	3210
City State Zip	WARE SHOALS, SC 29692-0000	*Bedrooms*	0
Purchase Date	Thursday, July 26, 2007	*Bathrooms*	0
Deed	1056-127	*HalfBaths*	0
Plat	132-111	*Finis. Basement SqFt*	0
Property Address	6 Edgewood Dr	*Unfin. Basement SqFt*	0
Subdivision	SALUDA HEIGHTS	*Tax Exemption*	
Description	LTS 7,8&14 SALUDA HGTS 2	*Appraised By*	County
Year Built	1957	*Tax District*	14-Town of Ware Shoals
Square Footage	1515	*On Lake Greenwood*	N
Total Tax Value	$80,200		

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Map Scale
1 inch = 316 feet

Greenwood County, SC

Parcel ID	6923-189-686	*Total Cap Value*	$50,400
Owner Name	PRILL TIMOTHY T/BERTHA E	*Total Market Value*	$50,800
Mailing Address	8 EDGEWOOD DR	*Assessed Value*	2020
City State Zip	WARE SHOALS, SC 29692-1221	*Bedrooms*	0
Purchase Date	Thursday, February 15, 1990	*Bathrooms*	0
Deed	346-213	*HalfBaths*	0
Plat	58-133	*Finis. Basement SqFt*	0
Property Address	8 Edgewood Dr	*Unfin. Basement SqFt*	0
Subdivision	SALUDA HEIGHTS	*Tax Exemption*	
Description	LTS 9&16 SALUDA HGTS 2	*Appraised By*	County
Year Built	1950	*Tax District*	14-Town of Ware Shoals
Square Footage	1613	*On Lake Greenwood*	N
Total Tax Value	$50,400		

Disclaimer: Map and parcel data are believed to be accurate, but accuracy is not guaranteed. This is not a legal document and should not be substituted for a title search, appraisal, survey, or for zoning verification.

Map Scale
1 inch = 316 feet

Greenwood County, SC

Parcel ID	6923-177-670	*Total Cap Value*	$39,400
Owner Name	KAY JOEL KEITH	*Total Market Value*	$39,900
Mailing Address	12 EDGEWOOD DR	*Assessed Value*	1580
City State Zip	WARE SHOALS, SC 29692-0000	*Bedrooms*	0
Purchase Date	Wednesday, April 16, 2003	*Bathrooms*	0
Deed	779-282	*HalfBaths*	0
Plat	5-4	*Finis. Basement SqFt*	0
Property Address	12 Edgewood Dr	*Unfin. Basement SqFt*	0
Subdivision	SALUDA HEIGHTS	*Tax Exemption*	
Description	LTS 11&20 SALUDA HGTS 2	*Appraised By*	County
Year Built	1956	*Tax District*	14-Town of Ware Shoals
Square Footage	1140	*On Lake Greenwood*	N
Total Tax Value	$39,400		

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Map Scale
1 inch = 316 feet

Greenwood County, SC

Parcel ID	6923-175-659	*Total Cap Value*	$60,700
Owner Name	GAMBRELL STEPHEN L	*Total Market Value*	$58,200
Mailing Address	14 EDGEWOOD DR	*Assessed Value*	2330
City State Zip	WARE SHOALS, SC 29692-0000	*Bedrooms*	3
Purchase Date	Monday, November 17, 2003	*Bathrooms*	1
Deed	814-313	*HalfBaths*	1
Plat	5-4	*Finis. Basement SqFt*	0
Property Address	14 Edgewood Dr	*Unfin. Basement SqFt*	0
Subdivision	SALUDA HEIGHTS	*Tax Exemption*	
Description	LT 12 SALUDA HGTS 2	*Appraised By*	County
Year Built	1973	*Tax District*	14-Town of Ware Shoals
Square Footage	1164	*On Lake Greenwood*	N
Total Tax Value	$58,200		

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Map Scale
1 inch = 316 feet

Greenwood County, SC

Parcel ID	6923-153-677	*Total Cap Value*	$4,000
Owner Name	BROOKS JOSEPH F	*Total Market Value*	$3,500
Mailing Address	1714 NATION RD	*Assessed Value*	210
City State Zip	HODGES, SC 29653-0000	*Bedrooms*	0
Purchase Date	Tuesday, May 17, 1983	*Bathrooms*	0
Deed	293-673	*HalfBaths*	0
Plat	5-4	*Finis. Basement SqFt*	0
Property Address	Willis Dr	*Unfin. Basement SqFt*	0
Subdivision	SALUDA HEIGHTS	*Tax Exemption*	
Description	1 LOT (LT 23)	*Appraised By*	County
Year Built	0	*Tax District*	14-Town of Ware Shoals
Square Footage	0	*On Lake Greenwood*	N
Total Tax Value	$3,500		

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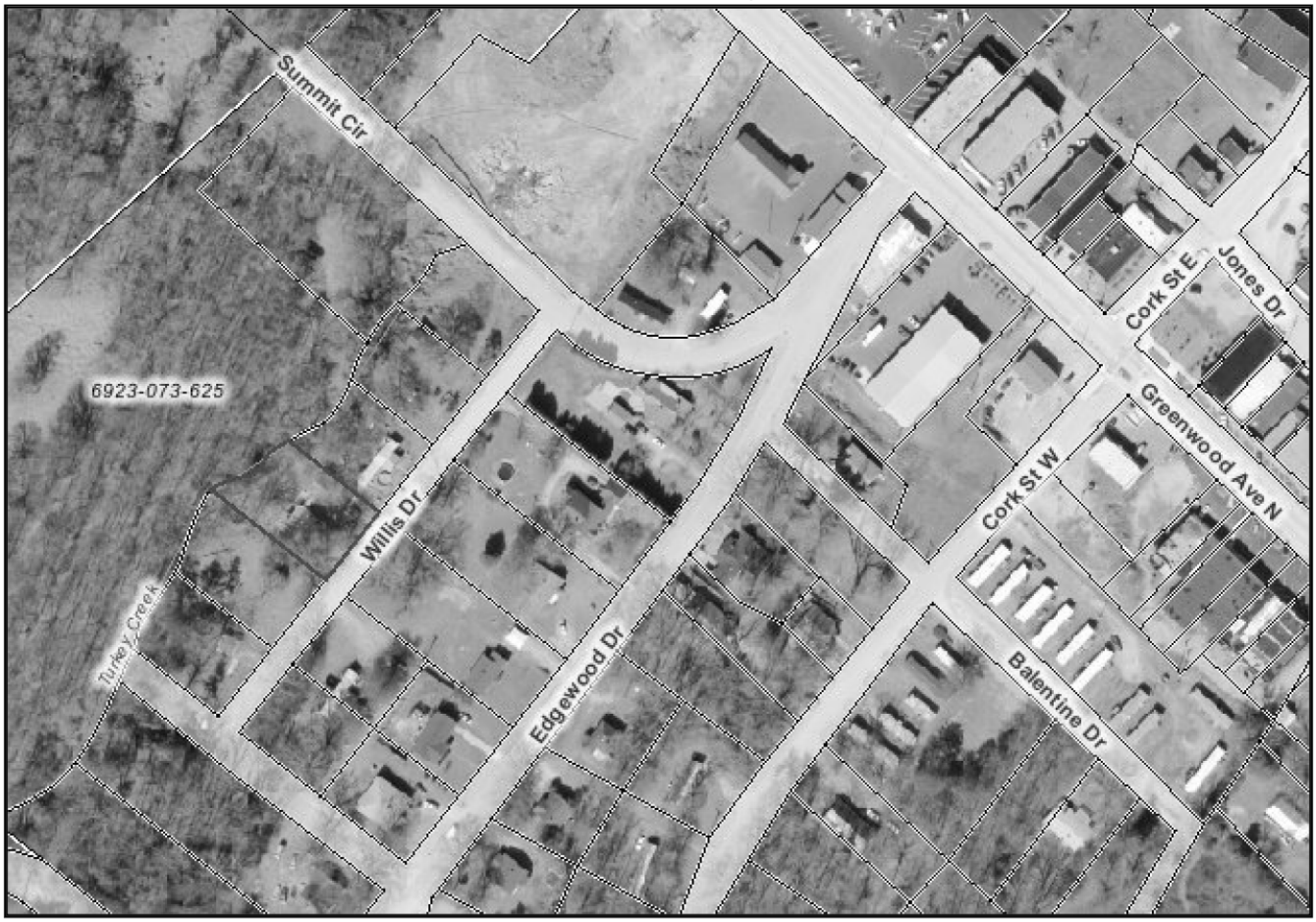
Map Scale
1 inch = 316 feet

Greenwood County, SC



Parcel ID	6923-159-684	*Total Cap Value*	$39,900
Owner Name	HOFF LORRAINE S	*Total Market Value*	$37,600
Mailing Address	6 WILLIS DR	*Assessed Value*	1500
City State Zip	WARE SHOALS, SC 29692-1237	*Bedrooms*	0
Purchase Date	Friday, December 20, 1991	*Bathrooms*	0
Deed	366-469	*HalfBaths*	0
Plat	43-71	*Finis. Basement SqFt*	0
Property Address	6 Willis Dr	*Unfin. Basement SqFt*	0
Subdivision	SALUDA HEIGHTS	*Tax Exemption*	
Description	LT 21 SALUDA HGTS 2	*Appraised By*	County
Year Built	1948	*Tax District*	14-Town of Ware Shoals
Square Footage	876	*On Lake Greenwood*	N
Total Tax Value	$37,600		

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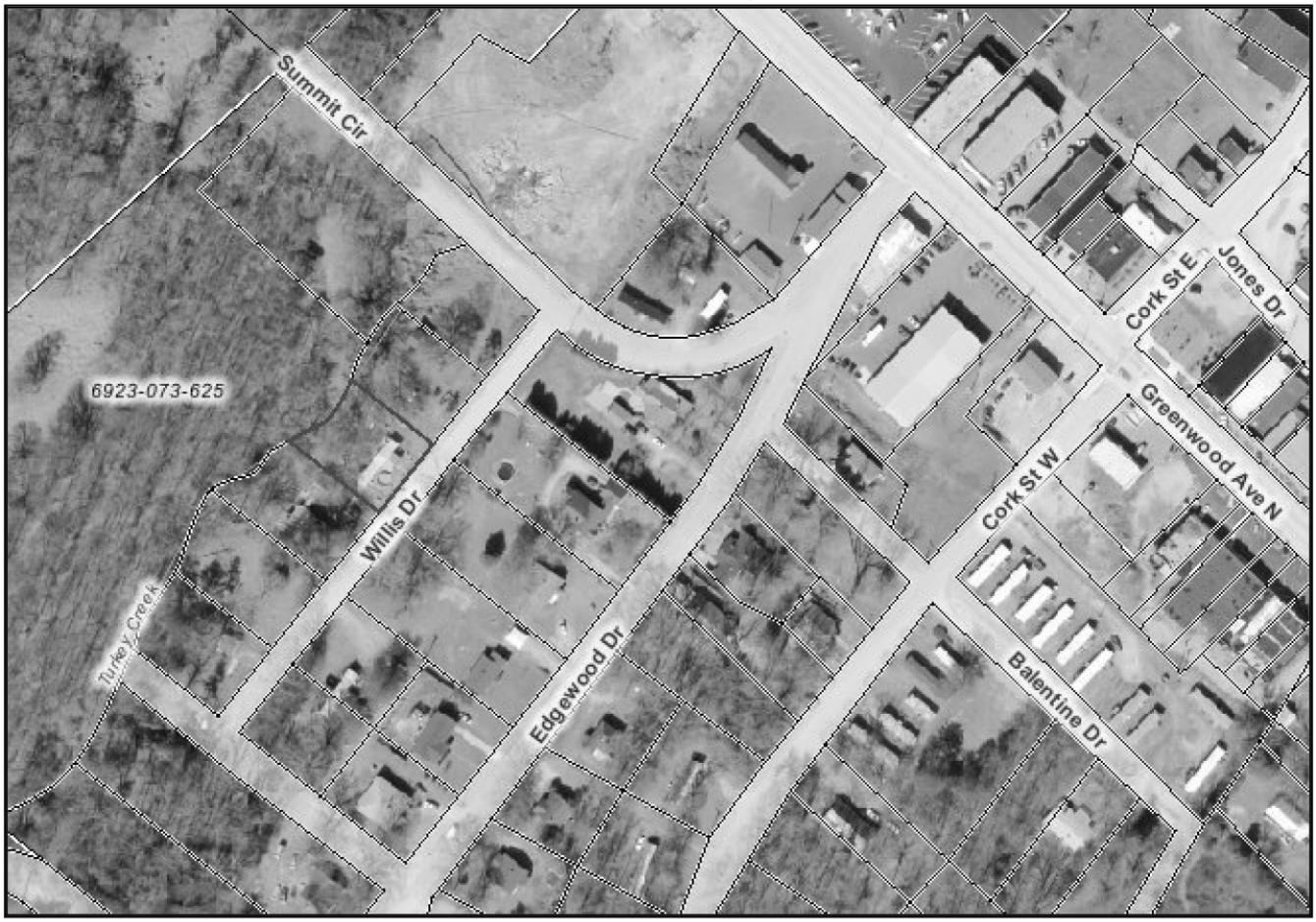
Map Scale
1 inch = 216 feet

Greenwood County, SC



Parcel ID	6923-166-691	*Total Cap Value*	$3,500
Owner Name	HOWINGTON EVELYN MANLEY	*Total Market Value*	$3,500
Mailing Address	4 WILLIS DR	*Assessed Value*	140
City State Zip	WARE SHOALS, SC 29692-1237	*Bedrooms*	0
Purchase Date	Wednesday, August 17, 1988	*Bathrooms*	0
Deed	334-664	*HalfBaths*	0
Plat	5-4	*Finis. Basement SqFt*	0
Property Address	4 Willis Dr	*Unfin. Basement SqFt*	0
Subdivision	SALUDA HEIGHTS	*Tax Exemption*	
Description	PRT LT 19 SALUDA HGTS 2	*Appraised By*	County
Year Built	0	*Tax District*	14-Town of Ware Shoals
Square Footage	0	*On Lake Greenwood*	N
Total Tax Value	$3,500		

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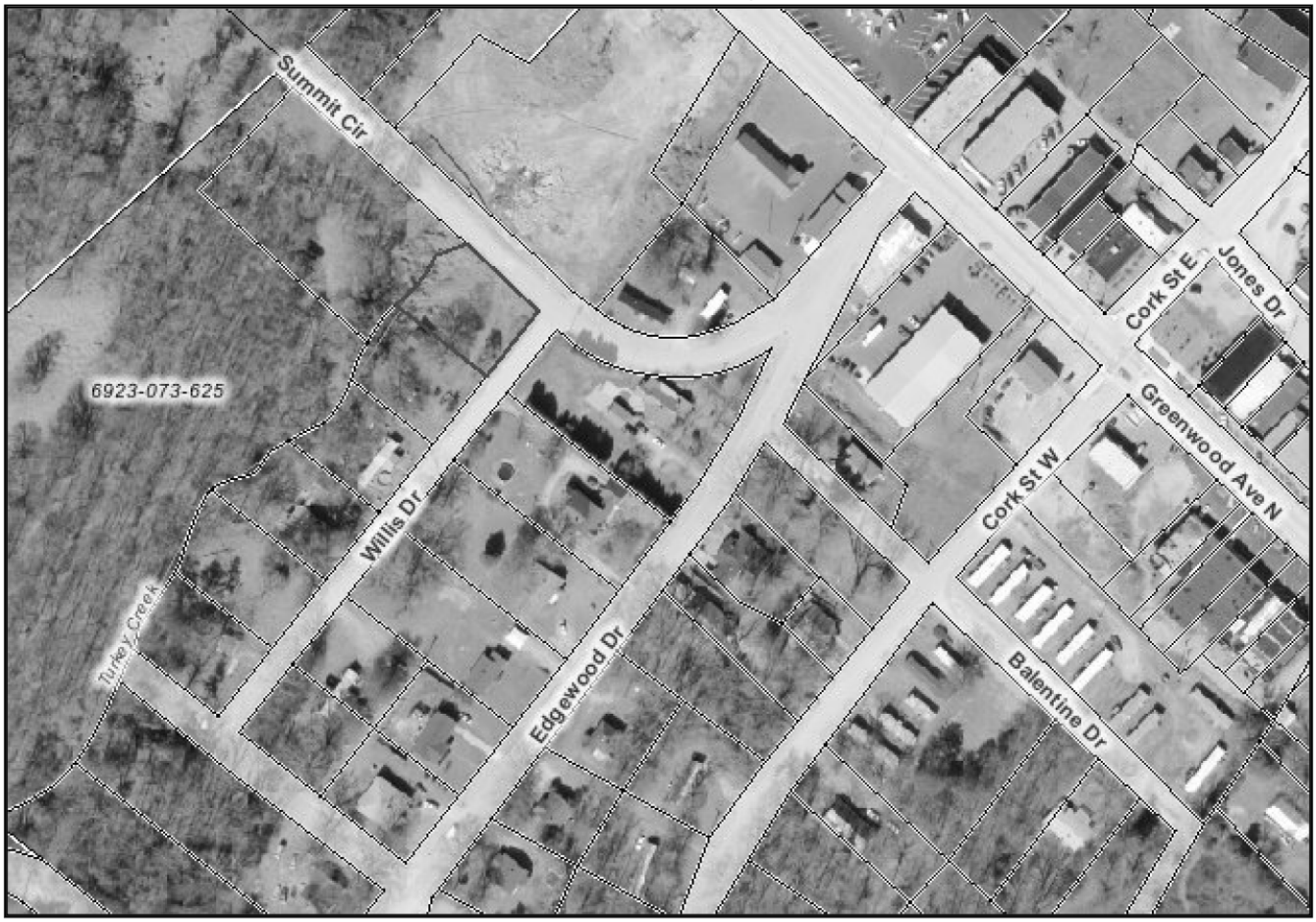
Map Scale
1 inch = 216 feet

Greenwood County, SC



Parcel ID	6923-178-707	*Total Cap Value*	$3,500
Owner Name	TURNER AL	*Total Market Value*	$3,500
Mailing Address	120 WERTS RD	*Assessed Value*	210
City State Zip	NINETY SIX, SC 29666-0000	*Bedrooms*	0
Purchase Date	Thursday, July 25, 1991	*Bathrooms*	0
Deed	362-386	*HalfBaths*	0
Plat	5-4	*Finis. Basement SqFt*	0
Property Address	Willis Dr	*Unfin. Basement SqFt*	0
Subdivision	SALUDA HEIGHTS	*Tax Exemption*	
Description	LT 15 SALUDA HGTS 2	*Appraised By*	County
Year Built	0	*Tax District*	14-Town of Ware Shoals
Square Footage	0	*On Lake Greenwood*	N
Total Tax Value	$3,500		

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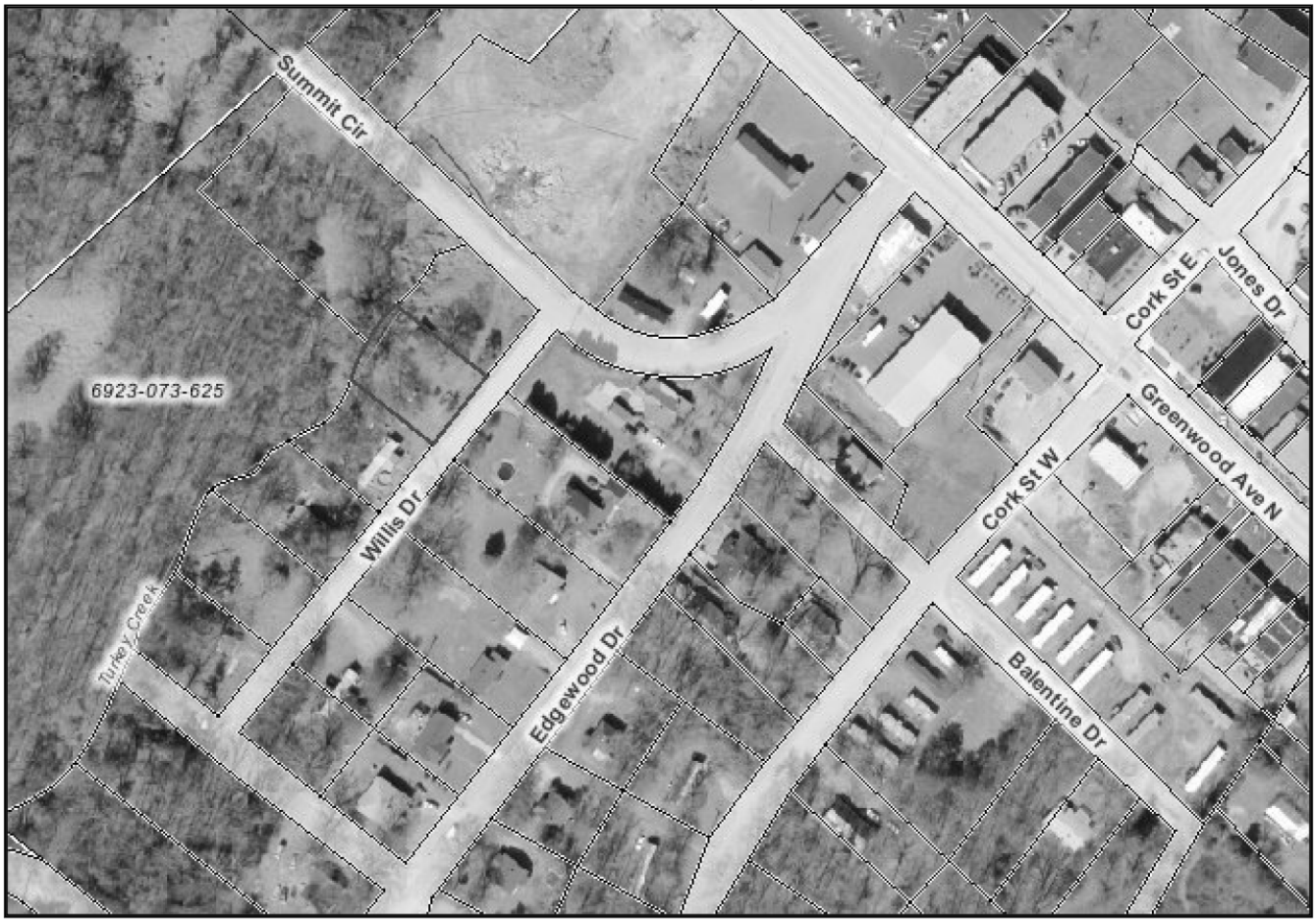
Map Scale
1 inch = 216 feet

Greenwood County, SC



Parcel ID	6923-172-699	*Total Cap Value*	$4,000
Owner Name	TURNER AL	*Total Market Value*	$4,000
Mailing Address	120 WERTS RD	*Assessed Value*	240
City State Zip	NINETY SIX, SC 29666-0000	*Bedrooms*	0
Purchase Date	Thursday, July 25, 1991	*Bathrooms*	0
Deed	362-386	*HalfBaths*	0
Plat	5-4	*Finis. Basement SqFt*	0
Property Address	Willis Dr	*Unfin. Basement SqFt*	0
Subdivision	SALUDA HEIGHTS	*Tax Exemption*	
Description	LT 17 SALUDA HGTS 2	*Appraised By*	County
Year Built	1945	*Tax District*	14-Town of Ware Shoals
Square Footage	0	*On Lake Greenwood*	N
Total Tax Value	$4,000		

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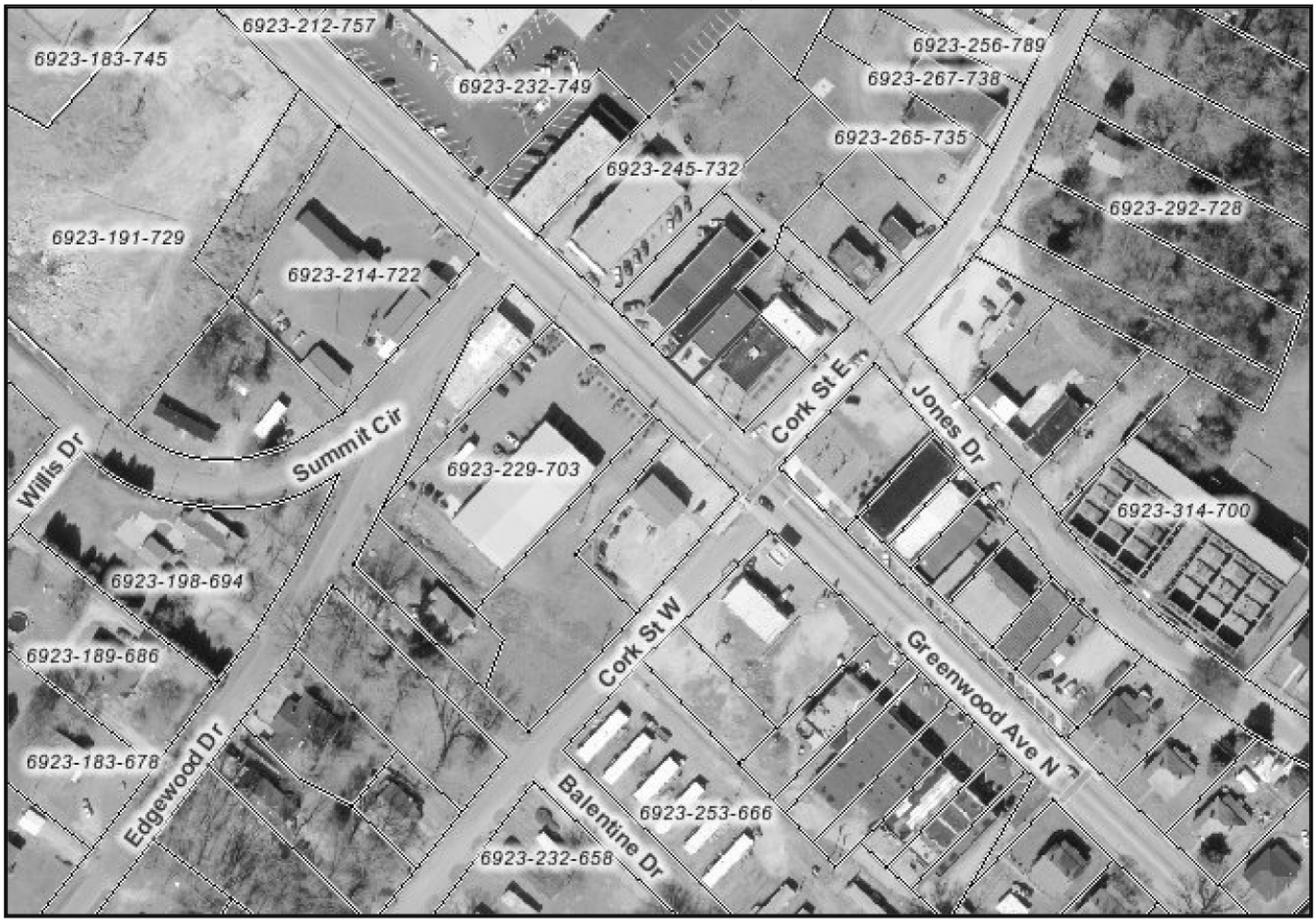
Map Scale
1 inch = 216 feet

Greenwood County, SC



Parcel ID	6923-248-715	*Total Cap Value*	$18,500
Owner Name	PAGE DOROTHY R	*Total Market Value*	$30,700
Mailing Address	619 SMITH ST EXT	*Assessed Value*	1110
City State Zip	DONALDS, SC 29638-0000	*Bedrooms*	0
Purchase Date	Thursday, December 11, 2008	*Bathrooms*	0
Deed	1135-258	*HalfBaths*	0
Plat	52-19	*Finis. Basement SqFt*	0
Property Address	728 Greenwood Av N	*Unfin. Basement SqFt*	0
Subdivision		*Tax Exemption*	
Description	LT D	*Appraised By*	County
Year Built	1955	*Tax District*	14-Town of Ware Shoals
Square Footage	1896	*On Lake Greenwood*	N
Total Tax Value	$18,500		

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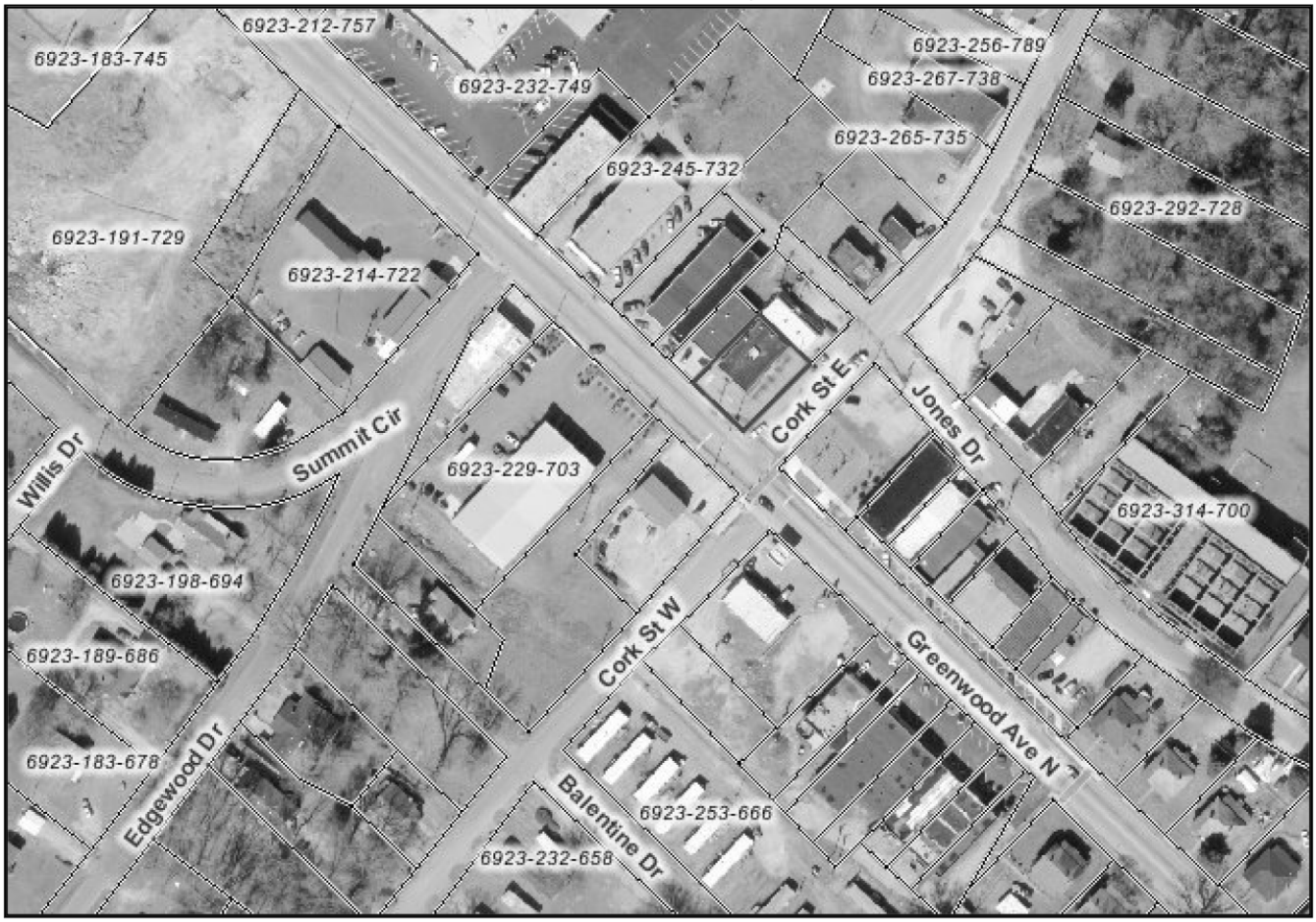
Map Scale
1 inch = 178 feet

Greenwood County, SC



Parcel ID	6923-252-712	*Total Cap Value*	$38,200
Owner Name	FARHAN ALA	*Total Market Value*	$73,500
Mailing Address	726 N GREENWOOD AVE	*Assessed Value*	2290
City State Zip	WARE SHOALS, SC 29692-1233	*Bedrooms*	0
Purchase Date	Monday, September 09, 1996	*Bathrooms*	0
Deed	460-180	*HalfBaths*	0
Plat	42-68	*Finis. Basement SqFt*	0
Property Address	726 Greenwood Av N	*Unfin. Basement SqFt*	0
Subdivision		*Tax Exemption*	
Description	1 LOT (.137AC)	*Appraised By*	County
Year Built	1970	*Tax District*	14-Town of Ware Shoals
Square Footage	1925	*On Lake Greenwood*	N
Total Tax Value	$38,200		

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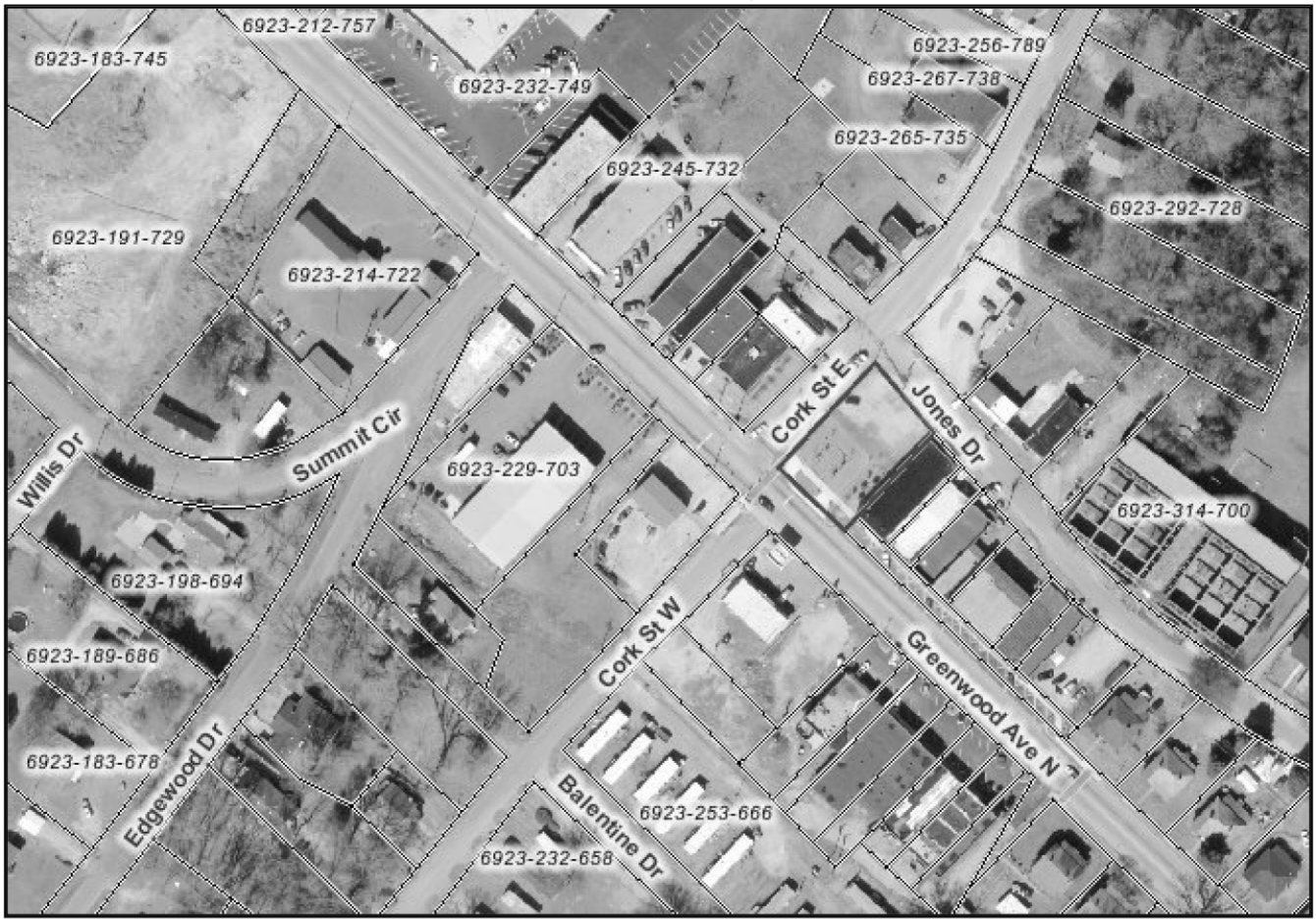
Greenwood County, SC



Parcel ID	6923-262-705	*Total Cap Value*	$0
Owner Name	TOWN OF WARE SHOALS	*Total Market Value*	$0
Mailing Address	PO BOX 510	*Assessed Value*	0
City State Zip	WARE SHOALS, SC 29692-0000	*Bedrooms*	0
Purchase Date	Friday, December 29, 2000	*Bathrooms*	0
Deed	662-71	*HalfBaths*	0
Plat	113-152	*Finis. Basement SqFt*	0
Property Address	720 Greenwood Av N	*Unfin. Basement SqFt*	0
Subdivision		*Tax Exemption*	State Exempt (Gov't)
Description	1 LT	*Appraised By*	County
Year Built	0	*Tax District*	14-Town of Ware Shoals
Square Footage	0	*On Lake Greenwood*	N
Total Tax Value	$0		

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Map Scale
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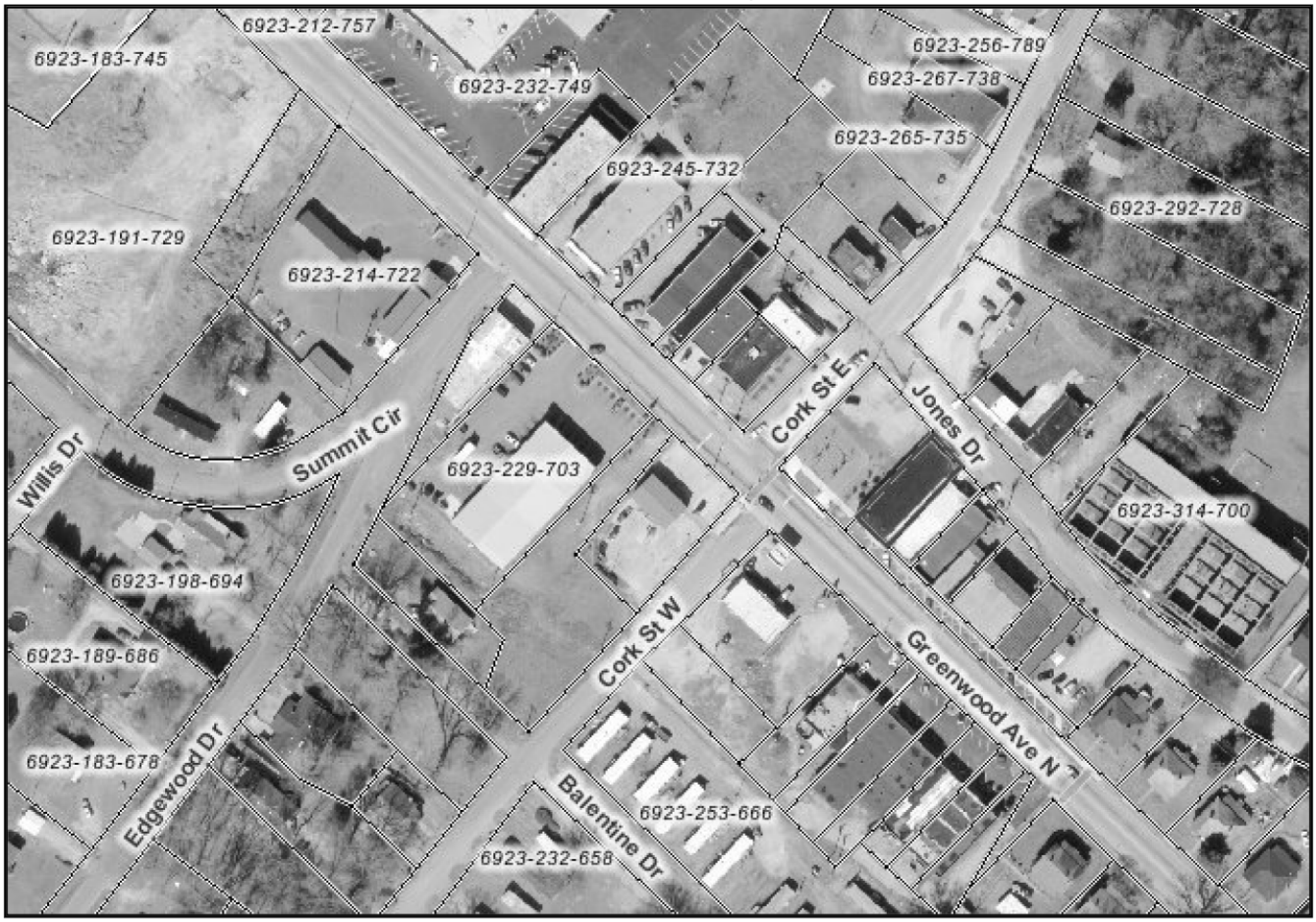
Greenwood County, SC



Parcel ID	6923-266-700	*Total Cap Value*	$13,000
Owner Name	MCKEE KENNETH H	*Total Market Value*	$30,800
Mailing Address	716 N GREENWOOD AV	*Assessed Value*	780
City State Zip	WARE SHOALS, SC 29692-0000	*Bedrooms*	0
Purchase Date	Thursday, February 08, 1996	*Bathrooms*	0
Deed	441-225	*HalfBaths*	0
Plat	131-72	*Finis. Basement SqFt*	0
Property Address	716 Greenwood Av N	*Unfin. Basement SqFt*	0
Subdivision		*Tax Exemption*	
Description	LT A	*Appraised By*	County
Year Built	1951	*Tax District*	14-Town of Ware Shoals
Square Footage	3686	*On Lake Greenwood*	N
Total Tax Value	$13,000		

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Map Scale
1 inch = 178 feet

Greenwood County, SC

Parcel ID	6923-189-686	*Total Cap Value*	$50,400
Owner Name	PRILL TIMOTHY T/BERTHA E	*Total Market Value*	$50,800
Mailing Address	8 EDGEWOOD DR	*Assessed Value*	2020
City State Zip	WARE SHOALS, SC 29692-1221	*Bedrooms*	0
Purchase Date	Thursday, February 15, 1990	*Bathrooms*	0
Deed	346-213	*HalfBaths*	0
Plat	58-133	*Finis. Basement SqFt*	0
Property Address	8 Edgewood Dr	*Unfin. Basement SqFt*	0
Subdivision	SALUDA HEIGHTS	*Tax Exemption*	
Description	LTS 9&16 SALUDA HGTS 2	*Appraised By*	County
Year Built	1950	*Tax District*	14-Town of Ware Shoals
Square Footage	1613	*On Lake Greenwood*	N
Total Tax Value	$50,400		

Disclaimer: Map and parcel data are believed to be accurate, but accuracy is not guaranteed. This is not a legal document and should not be substituted for a title search, appraisal, survey, or for zoning verification.

Map Scale
1 inch = 316 feet

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

WORSLEY COMPANIES INC
PO BOX 3227
WILMINGTON NC 28406

MAR 09 2012

UST DOCKETING 26 tech

Re: **AFVR Directive**
Corner Stop 28: 717 N Greenwood Ave, Ware Shoals, SC 29692
UST Permit #**05659**; Cost Agreement **#43324**
Release reported December 30, 1991
Assessment Report received October 27, 2011
Greenwood County

To Whom It May Concern:

The Underground Storage Tank Management Division (UST Division) of the South Carolina Department of Health and Environmental Control (SCDHEC) has approved the following scope of work to remove free product pursuant to Section 280.64 of the South Carolina Underground Storage Tank Control Regulations:

Five 8-hr AFVR events:

- #1: MW-1, MW-11, MW-7
- #2: MW-2, MW-3
- #3: MW-33, 34
- #4: MW-22, MW-15, MW-15R
- #5: MW-1, MW-11, MW-18 (to occur 15-30 days after event #1)

The AFVR events must be conducted and reported in accordance with the UST Quality Assurance Program Plan (QAPP) Revision 1.0 and in compliance with all applicable regulations. Cost Agreement **#43324** has been approved in the amount shown on the enclosed cost agreement form. The AFVR activities may proceed immediately upon receipt of this letter.

KLM Environmental LLC may submit an invoice for direct billing from the State Underground Petroleum Environmental Response Bank (SUPERB) Account. Please Note that all site rehabilitation activities must be performed and submitted by a South Carolina Certified Underground Storage Tank Site Rehabilitation Contractor.

An AFVR report and invoice are due within 90 days from the date of this letter. Interim reports and invoices may be submitted for this scope of work. If the final 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 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. Further, SCDHEC reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

The Department grants pre-approval for transportation of virgin petroleum impacted 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 COC concentrations, based on laboratory analysis, are 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 or inquiries regarding this project, please reference **UST Permit #05659.** If you have any questions, please feel free to contact me by phone at (803) 896-6649, by fax at (803) 896-6245, or email at ebingedj@dhec.sc.gov.

Sincerely,

David J. Ebinger, Project Manager
Corrective Action Section
UST Management Division
Bureau of Land and Waste Management

enc: Cost Agreement

cc: KLM Environmental LLC: PO Box 2704, Goose Creek, SC 29445 (w/ enc)
Technical File (w/ enc)

Approved Cost Agreement 43324

Facility: 05659 CORNER STOP 28

EBINGEDJ

PO Number:

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
04 MOB/DEMOB						
		A	EQUIPMENT	5.0000	575.00	2,875.00
		B	PERSONNEL	5.0000	290.00	1,450.00
17 DISPOSAL						
		A	WASTEWATER	2,500.0000	0.80	2,000.00
19 RPT/PROJECT MNGT & COORDINATIO						
		PCT	PERCENT	0.1500	22,725.00	3,408.75
23 EFR						
		A	8 HOUR EVENT	5.0000	3,000.00	15,000.00
		C	OFF GAS TREATMENT	40.0000	35.00	1,400.00
				Total Amount		26,133.75

KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation
PO Box 2704
Goose Creek, SC 29445
843-870-4285 Phone
843-797-1893 Fax

UST
MAY 15 2012
PROGRAM

UST
27 tech
DOCKETING

May 11, 2012

Mr. David Ebinger
SCDHEC – BUSTM
2600 Bull Street
Columbia, S.C. 29201

Re: Corner Stop # 28: Permit # 05659 CA # 43324

Mr. Ebinger,

This letter, along with its attachments, is presented to document the results of the Aggressive Fluid Vapor Recovery (AFVR) events performed on April 24th, April 25th (two events),May 8th, and May 9th, 2012. The AFVR events were conducted at in accordance with the directive with the first and last event spaced 15 days apart. Each well was gauged prior to and after each event. The drop tube was installed to a depth of six inches below the product/water interface or the groundwater level during the AFVR events. Results from each event are provided on the attached tables. Emissions calculations were performed for each event and a total of 14.62 gallons of petroleum product were recovered as vapor. An estimated 7.5 gallons were recovered in the liquid phase.

All of the remaining information requested in the AFVR letter is provided as an attachment. It has been a pleasure working with you on this project. Please call me directly if you have any questions at 843-870-4285.

Sincerely,

KLM Environmental, LLC

Mark L. Keller, PG
President

Enclosures(18): AFVR information tables; Waste Manifests; Emissions Calculations; Magnehelic Gauge Tables; Site Map

cc: Dr. Ken White, Worsley Operating Company, Inc., PO Box 3227, Wilmington, NC 28406

Site Location: Corner Stop 28		Date: 4-24-12
Site Conditions: Site was in good condition. Wells were found in good condition.		
AFVR Contractor: Vacuum Recovery Technologies, LLC	Field Personnel: KLM Environmental, LLC: Jason Boots	General Weather Conditions: Sunny
Ambient Air Temperature: 75 Fahrenheit	Estimated Gallons of Product Removed: 5 gallons	Initial Product Thickness: MW-1 = 0.29 MW-7 = 0.14 MW-11 = 0
Final Product Thickness: MW-1 = 0.00 MW-7 = 0.00 MW-11 = 0.00	AFVR Start Time: 14:00	AFVR End Time: 22:00

Time(Readings Every 30 Minutes)	Recovery Rate Vacuum Inches of Hg	Temp Degrees F	Stack Vel. mph	Humidity	Air Emission Conc. Measurements in ppm	Air Flow Rate shown in Cubic Feet per Minute
14:00	-18	88.2	10.4	56.7	527.3	74.95
14:30	-20	147.0	12.7	42.6	989.3	91.53
15:00	-20	146.8	12.5	36.4	1091	90.09
15:30	-20	147.5	12.8	27.3	997.5	92.25
16:00	-20	147.9	12.5	21.9	1853	90.09
16:30	-20	148.5	12.5	20.5	1812	90.09
17:00	-20	149.0	12.4	19.3	1723	89.37
17:30	-20	152.7	12.7	20.3	1492	91.53
18:00	-20	154.3	12.8	22.6	1356	92.25
18:30	-20	153.6	12.7	23.5	1409	91.53
19:00	-20	154.0	12.8	23.6	1517	92.25
19:30	-20	156.3	13.0	21.3	1374	93.69
20:00	-20	158.1	12.9	21.5	1291	92.97
20:30	-20	157.3	12.9	18.9	1139	92.97
21:00	-20	160.1	12.8	19.6	1246	92.25
21:30	-20	155.4	12.8	19.3	1193	92.25
22:00	-20	153.7	12.1	19.7	1208	87.20

	Start	End
MW-1	48.60 - 48.89	Dry
MW-7	59.50 – 59.64	Dry
MW-11	54.57	Dry

KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

AFVR Table
Corner Stop # 28
717 N. Greenwood Ave.
Ware Shoals, SC
Site ID# 05659 4/24/12

Site Location: Corner Stop 28	Date: 4/24/12

Site Conditions: Site was in good condition. Wells were found in good condition.

AFVR Contractor: Vacuum Recovery Technologies, LLC	Field Personnel: KLM Environmental, LLC: Jason Boots	General Weather Conditions: Sunny

	Inches of Hg on Extraction Well			Inches of Hg on surrounding wells			
Time	**MW-1**	**MW-7**	**MW-11**	**MW-18**	**MW-6R**	**MW-3**	**TW-1**
14:00	-12"	-12"	-13"	0	0	0	0
14:30	-11"	-12"	-12"	0	0	0	0
15:00	-12"	-11"	-12"	0	0	0	0
15:30	-11"	-12"	-13"	0	0	0	0
16:00	-12"	-12"	-12"	0	0	0	0
16:30	-13"	-13"	-12"	0	0	0	0
17:00	-12"	-13"	-13"	0	0	0	0
17:30	-13"	-12"	-13"	0	0	0	0
18:00	-12"	-12"	-12"	0	0	0	0
18:30	-12"	-11"	-13"	0	0	0	0
19:00	-11"	-11"	-12"	0	0	0	0
19:30	-12"	-12"	-12"	0	0	0	0
20:00	-12"	-12"	-11"	0	0	0	0
20:30	-13"	-13"	-12"	0	0	0	0
21:00	-12"	-12"	-12"	0	0	0	0
21:30	-12"	-12"	-12"	0	0	0	0
22:00	-13"	-12"	-13"	0	0	0	0

Equations to determine Pollutant Mass Removal rate as gasoline (PMRg):
4/24/2012

$PPM_w = PPM_{measured} =$	1306.947059
$PPM_d = PPM_w / (1\text{-}Bws) =$	1394.895883
$PPM_c = (PPM_d)(K) =$	5579.583532
$C_{c:m} = PPM_c(M_c/K_3) =$	2783.996602
$C_c = C_{c:m}(62.43x10^{-9}) =$	0.000173805
$PMR_c = C_c(Qstd)(60) =$	3.265150912
$PMR_g = (PMR_c)(M_g/M_{cg}) =$	**3.778770157 lbs of emissions per hour**
	4.836825801 Gallons of emissions per 8 hours

Site Location: Corner Stop 28		Date: 4-25-12
Site Conditions: Site was in good condition. Wells were found in good condition.		
AFVR Contractor: Vacuum Recovery Technologies, LLC	Field Personnel: KLM Environmental, LLC: Jason Boots	General Weather Conditions: Sunny
Ambient Air Temperature: 85 Fahrenheit	Estimated Gallons of Product Removed: 0 gallons	Initial Product Thickness: MW-33= 0.00 MW-34 = 0.00
Final Product Thickness: MW-33 = 0.00 MW-34 = 0.00	AFVR Start Time: 07:30	AFVR End Time: 15:30

Time(Readings Every 30 Minutes)	Recovery Rate Vacuum Inches of Hg	Temp Degrees F	Stack Vel. mph	Humidity	Air Emission Conc. Measurements in ppm	Air Flow Rate shown in Cubic Feet per Minute
07:30	-20	82.6	8.8	57.3	344.1	63.42
08:00	-21	86.7	9.0	52.6	329.6	64.86
08:30	-22	101.5	9.2	42.7	351.7	66.30
09:00	-22	123.7	9.4	35.6	339.4	67.75
09:30	-22	139.1	9.4	31.3	324.1	67.75
10:00	-22	146.8	9.5	27.4	317.9	68.47
10:30	-22	153.7	9.3	23.1	333.4	67.02
11:00	-22	158.3	9.4	20.5	328.7	67.75
11:30	-22	160.3	9.4	19.3	326.4	67.75
12:00	-22	161.9	9.3	18.1	281.5	67.02
12:30	-22	164.1	9.4	17.4	237.3	67.75
13:00	-22	164.5	9.5	17.1	261.5	68.47
13:30	-22	165.3	9.4	17.8	273.6	67.75
14:00	-22	164.9	9.3	18.3	284.5	67.02
14:30	-22	165.5	9.4	18.9	301.9	67.75
15:00	-22	165.3	9.4	19.7	311.5	67.75
15:30	-22	165.1	9.4	20.3	321.8	67.75

	Start	End
MW-33	52.31	55.64
MW-34	53.72	57.09

KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

AFVR Table
Corner Stop # 28
717 N. Greenwood Ave.
Ware Shoals, SC
Site ID# 05659 4/25/12

Site Location: Corner Stop 28			Date: 4/25/12
Site Conditions: Site was in good condition. Wells were found in good condition.			
AFVR Contractor: Vacuum Recovery Technologies, LLC	Field Personnel: KLM Environmental, LLC: Jason Boots		General Weather Conditions: Sunny

	Inches of Hg on Extraction Well			Inches of Hg on surrounding wells			
Time	**MW-33**	**MW-34**	**MW-**	**MW-20**	**MW-32**	**TW-2**	**MW-**
07:30	-19"	-19"		0	0	0	
08:00	-20"	-21"		0	0	0	
08:30	-21"	-22"		0	0	0	
09:00	-21"	-22"		0	0	0	
09:30	-22"	-22"		0	0	0	
10:00	-21"	-21"		0	0	0	
10:30	-21"	-21"		0	0	0	
11:00	-21"	-22"		0	0	0	
11:30	-21"	-21'		0	0	0	
12:00	-22"	-22"		0	0	0	
12:30	-21"	-21"		0	0	0	
13:00	-21"	-22"		0	0	0	
13:30	-22"	-22"		0	0	0	
14:00	-21"	-22"		0	0	0	
14:30	-21"	-21"		0	0	0	
15:00	-22"	-22"		0	0	0	
15:30	-21"	-21"		0	0	0	

Equations to determine Pollutant Mass Removal rate as gasoline (PMRg):
4/25/2012

$PPM_w = PPM_{measured} =$	309.9352941
$PPM_d = PPM_w / (1\text{-}Bws) =$	330.7918732
$PPM_c = (PPM_d)(K) =$	1323.167493
$C_{c:m} = PPM_c(M_c/K_3) =$	660.2094552
$C_c = C_{c:m}(62.43x10^{-9}) =$	4.12169E-05
$PMR_c = C_c(Qstd)(60) =$	0.578796655
$PMR_g = (PMR_c)(M_g/M_{cg}) =$	**0.66984332 lbs of emissions per hour**
	0.85739945 Gallons of emissions per 8 hours

Site Location: Corner Stop 28		Date: 4-25-12
Site Conditions: Site was in good condition. Wells were found in good condition.		
AFVR Contractor: Vacuum Recovery Technologies, LLC	Field Personnel: KLM Environmental, LLC: Jason Boots	General Weather Conditions: Sunny
Ambient Air Temperature: 85 Fahrenheit	Estimated Gallons of Product Removed: 0.5 gallons	Initial Product Thickness: MW-2 = 0.04 MW-3 = 0.00
Final Product Thickness: MW-2 = 0.00 MW-3 = 0.00	AFVR Start Time: 16:00	AFVR End Time: 24:00

Time(Readings Every 30 Minutes)	Recovery Rate Vacuum Inches of Hg	Temp Degrees F	Stack Vel. mph	Humidity	Air Emission Conc. Measurements in ppm	Air Flow Rate shown in Cubic Feet per Minute
16:00	-21	132.7	9.8	26.1	1152	70.63
16:30	-22	153.4	9.9	23.7	1274	71.35
17:00	-23	168.5	10.2	21.4	851.3	73.51
17:30	-23	173.7	10.4	21.1	537.4	74.95
18:00	-23	181.4	10.4	19.7	303.8	74.95
18:30	-23	182.3	10.3	18.3	327.3	74.23
19:00	-23	185.1	10.4	18.1	321.7	74.95
19:30	-23	185.5	10.5	17.5	308.5	75.67
20:00	-23	185.4	10.5	17.5	305.1	75.67
20:30	-23	186.3	10.4	16.1	286.3	74.95
21:00	-23	181.6	10.4	15.3	282.4	74.95
21:30	-23	178.5	10.5	20.9	331.7	75.67
22:00	-23	176.3	10.4	18.3	319.6	74.95
22:30	-23	173.2	10.4	21.6	294.7	74.95
23:00	-23	166.5	10.6	25.3	297.8	76.39
23:30	-23	160.1	10.4	25.9	281.6	74.95
24:00	-23	158.4	10.4	27.3	261.7	74.95

	Start	End
MW-2	47.51 – 47.55	50.39
MW-3	45.73	48.74

KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

AFVR Table
Corner Stop # 28
717 N. Greenwood Ave.
Ware Shoals, SC
Site ID# 05659 4/25/12

Site Location: Corner Stop 28	Date: 4/25/12

Site Conditions: Site was in good condition. Wells were found in good condition.

AFVR Contractor: Vacuum Recovery Technologies, LLC	Field Personnel: KLM Environmental, LLC: Jason Boots	General Weather Conditions: Sunny

	Inches of Hg on Extraction Well			Inches of Hg on surrounding wells			
Time	**MW-2**	**MW-3**	**MW-**	**MW-1**	**MW-5**	**MW-10**	**MW-17**
16:00	-20"	-21"		0	0	0	0
16:30	-21"	-21"		0	0	0	0
17:00	-22"	-21"		0	0	0	0
17:30	-22"	-22"		0	0	0	0
18:00	-21"	-22"		0	0	0	0
18:30	-21"	-21"		0	0	0	0
19:00	-21"	-21"		0	0	0	0
19:30	-21"	-21"		0	0	0	0
20:00	-22"	-21'		0	0	0	0
20:30	-22"	-22"		0	0	0	0
21:00	-22"	-22"		0	0	0	0
21:30	-22"	-22"		0	0	0	0
22:00	-22"	-22"		0	0	0	0
22:30	-22"	-21"		0	0	0	0
23:00	-22"	-21"		0	0	0	0
23:30	-21"	-22"		0	0	0	0
24:00	-22"	-22"		0	0	0	0

Equations to determine Pollutant Mass Removal rate as gasoline (PMRg):
4/25/2012

$PPM_w = PPM_{measured} =$	455.1117647
$PPM_d = PPM_w / (1\text{-}Bws) =$	485.7377524
$PPM_c = (PPM_d)(K) =$	1942.95101
$C_{c:m} = PPM_c(M_c/K_3) =$	969.4574834
$C_c = C_{c:m}(62.43x10^{-9}) =$	6.05232E-05
$PMR_c = C_c(Qstd)(60) =$	0.902882885
$PMR_g = (PMR_c)(M_g/M_{cg}) =$	**1.044909406 lbs of emissions per hour**
	1.33748404 Gallons of emissions per 8 hours

Site Location: Corner Stop 28		Date: 5-8-12
Site Conditions: Site was in good condition. Wells were found in good condition.		
AFVR Contractor: Vacuum Recovery Technologies, LLC	Field Personnel: KLM Environmental, LLC: Jason Boots	General Weather Conditions: Cloudy
Ambient Air Temperature: 85 Fahrenheit	Estimated Gallons of Product Removed: 2 gallons	Initial Product Thickness: MW-15= 0.14 MW-15R = 0.38 MW-22 = 0.39
Final Product Thickness: MW-15 = 0.0 MW-15R = 0.0 MW-22 = 0.0	AFVR Start Time: 12:00	AFVR End Time: 20:00

Time(Readings Every 30 Minutes)	Recovery Rate Vacuum Inches of Hg	Temp Degrees F	Stack Vel. mph	Humidity	Air Emission Conc. Measurements in ppm	Air Flow Rate shown in Cubic Feet per Minute
12:00	-18	87.3	13.9	52.6	833.7	100.18
12:30	-18	121.7	14.3	31.7	1097	103.06
13:00	-19	148.6	142	24.8	1116	1023.39
13:30	-19	152.3	14.0	18.2	1269	100.90
14:00	-19	164.8	14.1	20.1	1174	101.62
14:30	-19	168.7	14.3	19.7	876.3	103.06
15:00	-19	169.4	14.5	17.3	742.1	104.50
15:30	-19	173.6	14.3	18.5	569.4	103.06
16:00	-19	175.0	14.3	18.7	497.3	103.06
16:30	-19	174.5	14.2	18.3	517.4	102.34
17:00	-19	174.7	14.2	18.1	731.6	102.34
17:30	-19	168.1	14.3	18.7	874.9	103.06
18:00	-19	172.3	14.1	19.1	902.4	101.62
18:30	-19	171.8	14.3	19.5	837.8	103.06
19:00	-19	169.3	14.3	20.1	792.3	103.06
19:30	-19	168.4	14.2	20.5	752.7	102.34
20:00	-19	169.5	14.1	21.1	801.9	101.62

	Start	End
MW-15	59.47 – 59.61	60.00
MW-15R	59.42 – 59.80	62.31
MW-22	60.40 – 60.81	62.18

KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

AFVR Table
Corner Stop # 28
717 N. Greenwood Ave.
Ware Shoals, SC
Site ID# 05659 5/8/12

Site Location: Corner Stop 28		Date: 5/8/12
Site Conditions: Site was in good condition. Wells were found in good condition.		
AFVR Contractor: Vacuum Recovery Technologies, LLC	Field Personnel: KLM Environmental, LLC: Jason Boots	General Weather Conditions: Cloudy

	Inches of Hg on Extraction Well			Inches of Hg on surrounding wells			
Time	**MW-15**	**MW-15R**	**MW-22**	**MW-21**	**MW-16**	**MW-23**	**MW-19**
12:00	-10"	-9"	-8"	0	0	0	0
12:30	-11"	-11"	-8"	0	0	0	0
13:00	-9"	-9"	-8"	0	0	0	0
13:30	-9"	-9"	-8"	0	0	0	0
14:00	-10"	-10"	-9"	0	0	0	0
14:30	-11"	-11"	-10"	0	0	0	0
15:00	-12"	-12"	-11"	0	0	0	0
15:30	-12"	-12"	-12"	0	0	0	0
16:00	-12"	-12"	-11"	0	0	0	0
16:30	-11"	-11"	-11"	0	0	0	0
17:00	-12"	-12"	-11"	0	0	0	0
17:30	-12"	-12"	-12"	0	0	0	0
18:00	-11"	-11"	-12"	0	0	0	0
18:30	-12"	-12"	-12"	0	0	0	0
19:00	-11"	-11"	-11"	0	0	0	0
19:30	-12"	-12"	-11"	0	0	0	0
20:00	-12"	-12"	-11"	0	0	0	0

Equations to determine Pollutant Mass Removal rate as gasoline (PMRg):

5/8/2012

$PPM_w = PPM_{measured} =$	846.2235294
$PPM_d = PPM_w / (1\text{-}Bws) =$	903.1687315
$PPM_c = (PPM_d)(K) =$	3612.674926
$C_{c:m} = PPM_c(M_c/K_3) =$	1802.585204
$C_c = C_{c:m}(62.43x10^{-9}) =$	0.000112535
$PMR_c = C_c(Qstd)(60) =$	3.592039218
$PMR_g = (PMR_c)(M_g/M_{cg}) =$	**4.157079095 lbs of emissions per hour**
	5.321061241 Gallons of emissions per 8 hours

Site Location: Corner Stop 28	Date: 5-9-12

Site Conditions: Site was in good condition. Wells were found in good condition.

AFVR Contractor: Vacuum Recovery Technologies, LLC	Field Personnel: KLM Environmental, LLC: Jason Boots	General Weather Conditions: Rain
Ambient Air Temperature: 75 Fahrenheit	Estimated Gallons of Product Removed: 0 gallons	Initial Product Thickness: MW-1= 0.0 MW-11 = 0.0 MW-18 = 0.0
Final Product Thickness: MW-1 = 0.0 MW-11 = 0.0 MW-18 = 0.0	AFVR Start Time: 08:30	AFVR End Time: 16:30

Time(Readings Every 30 Minutes)	Recovery Rate Vacuum Inches of Hg	Temp Degrees F	Stack Vel. mph	Humidity	Air Emission Conc. Measurements in ppm	Air Flow Rate shown in Cubic Feet per Minute
08:30	-20	82.6	12.9	86.2	1123	92.97
09:00	-20	94.8	13.5	61.3	874.7	97.29
09:30	-21	103.6	13.4	57.8	596.3	96.57
10:00	-21	110.2	13.6	51.6	557.1	98.01
10:30	-21	112.4	13.5	47.3	528.3	97.29
11:00	-21	114.3	13.6	44.9	497.6	98.01
11:30	-21	114.7	13.4	40.4	450.3	96.57
12:00	-21	121.8	13.6	40.1	432.7	98.01
12:30	-21	127.6	13.5	35.7	508.1	97.29
13:00	-21	131.4	13.5	31.9	593.7	97.29
13:30	-21	130.8	13.4	30.6	526.3	96.57
14:00	-21	130.5	13.4	30.0	481.6	96.57
14:30	-21	131.6	13.6	29.6	455.5	98.01
15:00	-21	131.3	13.4	29.1	431.8	96.57
15:30	-21	131.5	13.5	27.4	407.3	97.29
16:00	-21	132.6	13.4	25.8	387.1	96.57
16:30	-21	131.9	13.4	26.1	405.6	96.57

	Start	End
MW-1	48.41	50.39
MW-11	DRY	DRY
MW-18	55.62	58.84

KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

AFVR Table
Corner Stop # 28
717 N. Greenwood Ave.
Ware Shoals, SC
Site ID# 05659 5/9/12

Site Location: Corner Stop 28	Date: 5/9/12

Site Conditions: Site was in good condition. Wells were found in good condition.

AFVR Contractor: Vacuum Recovery Technologies, LLC	Field Personnel: KLM Environmental, LLC: Jason Boots	General Weather Conditions: Rain

	Inches of Hg on Extraction Well			Inches of Hg on surrounding wells			
Time	**MW-1**	**MW-18**	**MW-**	**MW-11**	**MW-6**	**MW-7**	**MW-4**
08:30	-13"	-12"		0	0	0	0
09:00	-14"	-13"		0	0	0	0
09:30	-14"	-14"		0	0	0	0
10:00	-14"	-15"		0	0	0	0
10:30	-14"	-13"		0	0	0	0
11:00	-13"	-14"		0	0	0	0
11:30	-14"	-14"		0	0	0	0
12:00	-12"	-13"		0	0	0	0
12:30	-12"	-12"		0	0	0	0
13:00	-13"	-13"		0	0	0	0
13:30	-13"	-13"		0	0	0	0
14:00	-12"	-12"		0	0	0	0
14:30	-14"	-13"		0	0	0	0
15:00	-13"	-13"		0	0	0	0
15:30	-12"	-13"		0	0	0	0
16:00	-12"	-13"		0	0	0	0
16:30	-13"	-13"		0	0	0	0

Equations to determine Pollutant Mass Removal rate as gasoline (PMRg):

5/9/2012

$PPM_w = PPM_{measured} =$	544.5294118
$PPM_d = PPM_w / (1\text{-}Bws) =$	581.172611
$PPM_c = (PPM_d)(K) =$	2324.690444
$C_{c:m} = PPM_c(M_c/K_3) =$	1159.930712
$C_c = C_{c:m}(62.43x10^{-9}) =$	7.24145E-05
$PMR_c = C_c(Qstd)(60) =$	1.531490056
$PMR_g = (PMR_c)(M_g/M_{cg}) =$	**1.772398604 lbs of emissions per hour**
	2.268670214 Gallons of emissions per 8 hours

US Water Recovery

Non-Hazardous Wastewater Manifest

Number:

1. Generator's EPA ID# (if applicable):

Waste ID Number:

2. Generator's Name and Mailing Address:
Corner Stop DE

Phone ( )

P.O.#:

3. Agent of Generator and Mailing Address:
Kim End

Phone ( )

P.O.#:

4. Transporter Company Name:
Vacuum Recovery Inc

Phone ( )

Truck & Trailer License Number:

5. Transporter U.S. EPA ID#:

6. Facility Name and Site Address:
U.S. Water Recovery
435 Old Mt. Holly Rd.
Mt. Holly, SC 29445
Phone: (843) 797-6674
Fax: (843) 797-2128

Mailing Address:
U.S. Water Recovery
511 Old Mt. Holly Rd.
Goose Creek, SC 29445
Phone: (843) 797-3111
Fax: (843) 797-0710

7. Facility U.S. EPA ID#:

Start Level: End Level: Total Gallons: Tank Number:

8. U.S. DOT Description	Container No.	Container Type	Unit	Quantity
Non-Hazardous, non-regulated waste water				150
Corner Stop DE #2				170
Corner Stop DE #3				135
1.1 Cricket #816				118

9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.

Printed/Typed Name: Mark Kile Signature: Date: 5-3-2012

10. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: Jason Carter Signature: Date: 5-3-2012

11. Discrepancy indication space:

12. Facility Owner or Operator: Certification of Receipt of Materials

Printed/Typed Name: David Ward Signature: Date: 5-3-12

White - Facility Yellow - Transporter Pink - Generator

US Water Recovery

Non-Hazardous Wastewater Manifest

Number:

1. Generator's EPA ID# (if applicable): Waste ID Number:

2. Generator's Name and Mailing Address: Phone ( )

Corner Jobs #4 PO#:

3. Agent of Generator and Mailing Address: Phone ( )

KM Eng PO#:

4. Transporter Company Name: Phone ( )

Vacuum recovery / Jack

Truck & Trailer License Number:

5. Transporter U.S. EPA ID#:

6. Facility Name and Site Address:
U S Water Recovery
435 Old Mt. Holly Rd.
Mt. Holly, SC 29445
Phone: (843) 797-3374
Fax: (843) 797-2126

Mailing Address:
U S Water Recovery
511 Old Mt. Holly Rd.
Goose Creek, SC 29445
Phone: (843) 797-3111
Fax: (843) 797-0710

7. Facility U.S. EPA ID#:

Start Level: End Level: Total Gallons: Tank Number:

8. U.S. DOT Description	Container No.	Container Type	Unit	Quantity
* Non-Hazardous, non-regulated waste water				688
Corner Jobs #28 #5				452

9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.

Printed/Typed Name: Mark Keller Signature: M K Keller Date: 5-10-2012

10. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: Jason Baker Signature: Date: 5-10-2012

11. Discrepancy indication space:

12. Facility Owner or Operator: Certification of Receipt of Materials

Printed/Typed Name: David Wilson Signature: D. Wilson Date: 5-11-12

White - Facility Yellow - Transporter Pink - Generator

5990

KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

FIGURE 2
SITE MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

D H E C

PROMOTE PROTECT PROSPER

Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

DR KENNETH WHITE
WORSLEY COMPANIES INC
PO BOX 3227
WILMINGTON NC 28406

MAY 30 2012

UST Tech DOCKETING

Re: **AFVR Directive**
Corner Stop 28: 717 N Greenwood Ave, Ware Shoals, SC 29692
UST Permit #**05659**; Cost Agreement **#43811**
Release reported December 30, 1991
Aggressive Fluid Vapor Recovery Report received May 15, 2012
Greenwood County

Dear Dr. White,

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Health and Environmental Control (Agency) has approved the following scope of work to remove free product:

Four 8-hr AFVR events:

- #1: MW-22, MW-15, MW-15R
- #2: MW-1, MW-7
- #3: MW-2, MW-3
- #4: MW-22, MW-15, MW-15R (to occur 15-30 days after event #1)

The AFVR events must be conducted and reported in accordance with the UST Quality Assurance Program Plan (QAPP) Revision 1.0 and in compliance with all applicable regulations. Cost Agreement **#43811** has been approved in the amount shown on the enclosed cost agreement form. The AFVR activities may proceed immediately upon receipt of this letter.

KLM Environmental LLC. may submit an invoice for direct billing from the State Underground Petroleum Environmental Response Bank (SUPERB) Account. Please note that all site rehabilitation activities must be performed and submitted by a South Carolina Certified Underground Storage Tank Site Rehabilitation Contractor.

An AFVR report and invoice are due within 60 days from the date of this letter. Interim reports and invoices may be submitted for this scope of work. If the final 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 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. Further, SCDHEC reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

The SCDHEC grants pre-approval for transportation of virgin petroleum impacted 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 concentrations of chemicals of concern, based on laboratory analysis, are 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 or inquiries regarding this project, please reference **UST Permit #05659.** If you have any questions, please feel free to contact me by phone at (803) 896-6649, by fax at (803) 896-6245, or email at ebingedj@dhec.sc.gov.

Sincerely,

David J. Ebinger, Project Manager
Corrective Action Section
UST Management Division
Bureau of Land and Waste Management

enc: Cost Agreement

cc: KLM Environmental LLC: PO Box 2704, Goose Creek, SC 29445 (w/ enc)
Technical File (w/ enc)

Approved Cost Agreement 43811

Facility: 05659 CORNER STOP 28

EBINGEDJ

PO Number:

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
04 MOB/DEMOB						
		A	EQUIPMENT	4.0000	575.00	2,300.00
		B	PERSONNEL	4.0000	290.00	1,160.00
17 DISPOSAL						
		A	WASTEWATER	2,000.0000	0.80	1,600.00
19 RPT/PROJECT MNGT & COORDINATIO						
		PCT	PERCENT	0.1500	17,620.00	2,643.00
23 EFR						
		A	8 HOUR EVENT	4.0000	3,000.00	12,000.00
		C	OFF GAS TREATMENT	16.0000	35.00	560.00
				Total Amount		20,263.00

KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation
PO Box 2704 843-870-4285 Phone
Goose Creek, SC 29445 843-797-1893 Fax

August 2, 2012

Mr. David Ebinger
SCDHEC – BUSTM
2600 Bull Street
Columbia, S.C. 29201

UST AUG 0 6 2012 PROGRAM

UST 294ech DOCKETING

Re: Corner Stop # 28: Permit # 05659 CA # 43811

Mr. Ebinger,

This letter, along with its attachments, is presented to document the results of the Aggressive Fluid Vapor Recovery (AFVR) events performed on July 5th, July 6th, July 26th, and July 27th, 2012. The AFVR events were conducted at in accordance with the directive with the first and last event spaced at least 15 days apart. Each well was gauged prior to and after each event. The drop tube was installed to a depth of six inches below the product/water interface or the groundwater level during the AFVR events. Results from each event are provided on the attached tables. Emissions calculations were performed for each event and a total of 45.96 gallons of petroleum product were recovered as vapor. An extremely high slug of contamination was recovered on 7/5/12 that registered over 15000 ppm on our instrument for a 2 hour period. That slug made the product recovered as vapor a significant amount. An estimated 0.0 gallons were recovered in the liquid phase. Product thickness measurements showed a decrease in thickness from the first event conducted on 7/5/12 and the last event conducted on 7/27/12 and a substantial amount of product was recovered in the vapor phase. This is very encouraging considering the product resides in bedrock at the site.

All of the remaining information requested in the AFVR letter is provided as an attachment. It has been a pleasure working with you on this project. Please call me directly if you have any questions at 843-870-4285.

Sincerely,

KLM Environmental, LLC

Mark L. Keller, PG
President

Enclosures(15): AFVR information tables; Waste Manifests; Emissions Calculations; Magnehelic Gauge Tables; Site Map

cc: Dr. Ken White, Worsley Operating Company, Inc., PO Box 3227, Wilmington, NC 28406

Site Location: Corner Stop 28		Date: 7-5-12
Site Conditions: Site was in good condition. Wells were found in good condition.		
AFVR Contractor: Vacuum Recovery Technologies, LLC	Field Personnel: KLM Environmental, LLC: Matt Roseberry	General Weather Conditions: Partly Cloudy
Ambient Air Temperature: 95 Fahrenheit	Estimated Gallons of Product Removed: 0 gallons	Initial Product Thickness: MW-15 =0.96 MW-15R =0.0 MW-22 =0.08
Final Product Thickness: MW-15 =0.0 MW-15R =0.0 MW-22 =0.0	AFVR Start Time: 12:00	AFVR End Time: 20:00

Time(Readings Every 30 Minutes)	Recovery Rate Vacuum Inches of Hg	Temp Degrees F	Stack Vel. mph	Humidity	Air Emission Conc. Measurements in ppm	Air Flow Rate shown in Cubic Feet per Minute
12:00	-20	127.4	10.3	39.6	1826	74.23
12:30	-20	134.6	14.6	33.2	4854	105.22
13:00	-20	142.9	15.1	28.7	5361	108.83
13:30	-20	144.9	15.3	24.6	4141	110.27
14:00	-20	146.2	16.1	22.1	3487	116.03
14:30	-20	147.8	16.0	23.0	2705	115.31
15:00	-20	159.8	17.6	18.1	3329	126.84
15:30	-20	186.2	16.4	16.2	9568	118.19
16:00	-21	188.6	17.0	14.3	15000 over	122.52
16:30	-21	191.8	19.3	19.6	15000 over	139.09
17:00	-21	202.4	18.4	11.7	15000 over	132.61
17:30	-21	205.6	19.1	10.9	15000 over	137.65
18:00	-21	192.4	15.3	24.0	1029	110.27
18:30	-21	199.8	18.6	15.3	1855	134.05
19:00	-21	206.4	17.3	16.4	3832	124.68
19:30	-21	203.7	19.2	18.5	1005	138.37
20:00	-21	204.2	19.4	12.5	2766	139.82

	Start	End
MW-15	60.31 - 61.27	62.95
MW-15R	59.66	61.63
MW-22	60.50 – 60.58	62.28

KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

AFVR Table
Corner Stop # 28
717 N. Greenwood Ave.
Ware Shoals, SC
Site ID# 05659 7/5/12

Equations to determine Pollutant Mass Removal rate as gasoline (PMRg):

7/5/2012

$PPM_w = PPM_{measured} =$	6221.058824
$PPM_d = PPM_w / (1\text{-}Bws) =$	6639.694609
$PPM_c = (PPM_d)(K) =$	26558.77843
$C_{c:m} = PPM_c(M_c/K_3) =$	13251.80428
$C_c = C_{c:m}(62.43x10^{-9}) =$	0.00082731
$PMR_c = C_c(Qstd)(60) =$	19.89335333
$PMR_g = (PMR_c)(M_g/M_{cg}) =$	**23.02264487 lbs of emissions per hour**
	29.46898543 Gallons of emissions per 8 hours

Site Location: Corner Stop 28		Date: 7/5/12
Site Conditions: Site was in good condition. Wells were found in good condition.		
AFVR Contractor: Vacuum Recovery Technologies, LLC	Field Personnel: KLM Environmental, LLC: Matt Roseberry	General Weather Conditions: Partly Cloudy

	Inches of Hg on Extraction Well			Inches of Hg on surrounding wells			
Time	**MW-15**	**MW-15R**	**MW-22**	**MW-21**	**MW-24**	**MW-19**	**MW-23**
12:00	-7	-9	-8	0	0	0	0
12:30	-7	-8	-8	0	0	0	0
13:00	-8	-8	-7	0	0	0	0
13:30	-8	-9	-7	0	0	0	0
14:00	-8	-9	-7	0	0	0	0
14:30	-8	-9	-8	0	0	0	0
15:00	-9	-9	-8	0	0	0	0
15:30	-9	-9	-8	0	0	0	0
16:00	-9	-9	-8	0	0	0	0
16:30	-9	-9	-8	0	0	0	0
17:00	-9	-9	-8	0	0	0	0
17:30	-9	-9	-8	0	0	0	0
18:00	-9	-9	-8	0	0	0	0
18:30	-9	-9	-8	0	0	0	0
19:00	-9	-9	-8	0	0	0	0
19:30	-9	-8	-8	0	0	0	0
20:00	-9	-8	-8	0	0	0	0

Site Location: Corner Stop 28		Date: 7-6-12
Site Conditions: Site was in good condition. Wells were found in good condition.		
AFVR Contractor: Vacuum Recovery Technologies, LLC	Field Personnel: KLM Environmental, LLC: Matt Roseberry	General Weather Conditions: Partly Cloudy
Ambient Air Temperature: Fahrenheit	Estimated Gallons of Product Removed: 0 gallons	Initial Product Thickness: MW-1= 0.36 MW-7=0.09
Final Product Thickness: MW-1 = 0.0 MW-7=0.0	AFVR Start Time: 08:00	AFVR End Time: 16:00

Time(Readings Every 30 Minutes)	Recovery Rate Vacuum Inches of Hg	Temp Degrees F	Stack Vel. mph	Humidity	Air Emission Conc. Measurements in ppm	Air Flow Rate shown in Cubic Feet per Minute
08:00	-19	109.6	13.2	35.6	814.9	95.13
08:30	-19	113.7	16.4	32.1	1025	118.19
09:00	-19	118.9	18.1	29.7	1559	130.45
09:30	-20	120.6	18.4	27.6	1508	132.61
10:00	-20	122.7	16.7	29.8	1465	120.36
10:30	-20	123.8	17.3	25.7	1482	124.68
11:00	-20	126.1	15.7	26.3	1504	113.15
11:30	-20	135.7	16.1	30.7	2109	116.03
12:00	-20	139.1	17.0	26.9	3121	122.52
12:30	-19	158.6	19.1	21.6	1494	137.65
13:00	-19	169.2	19.8	15.9	1400	142.70
13:30	-19	177.0	18.6	13.7	1321	134.05
14:00	-19	185.0	20.4	11.4	1252	147.02
14:30	-19	177.4	17.9	19.4	5816	129.00
15:00	-19	186.3	20.0	13.8	4394	144.14
15:30	-19	190.5	18.3	13.3	4205	131.89
16:00	-19	194.8	18.4	11.7	4428	132.61

	Start	End
MW-1	49.24 – 49.60	50.66
MW-7	59.59 – 59.68	59.88

KLM Environmental, LLC
Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

AFVR Table
Corner Stop # 28
717 N. Greenwood Ave.
Ware Shoals, SC
Site ID# 05659 7/6/12

Equations to determine Pollutant Mass Removal rate as gasoline (PMRg):

7/6/2012

$PPM_w = PPM_{measured} =$	2288.111765
$PPM_d = PPM_w / (1\text{-}Bws) =$	2442.086432
$PPM_c = (PPM_d)(K) =$	9768.34573
$C_{c:m} = PPM_c(M_c/K_3) =$	4874.027096
$C_c = C_{c:m}(62.43x10^{-9}) =$	0.000304286
$PMR_c = C_c(Qstd)(60) =$	8.06297195
$PMR_g = (PMR_c)(M_g/M_{cg}) =$	**9.331304616 lbs of emissions per hour**
	11.94406991 Gallons of emissions per 8 hours

Site Location: Corner Stop 28	Date: 7/6/12

Site Conditions: Site was in good condition. Wells were found in good condition.

AFVR Contractor: Vacuum Recovery Technologies, LLC	Field Personnel: KLM Environmental, LLC: Matt Roseberry	General Weather Conditions: Overcast

	Inches of Hg on Extraction Well			Inches of Hg on surrounding wells			
Time	**MW-1**	**MW-7**		**MW-11**	**MW-17**	**MW-3**	**MW-18**
08:00	-6	-7		0	0	0	0
08:30	-6	-7		0	0	0	0
09:00	-6	-6		0	0	0	0
09:30	-6	-6		0	0	0	0
10:00	-6	-7		0	0	0	0
10:30	-7	-7		0	0	0	0
11:00	-6	-7		0	0	0	0
11:30	-6	-7		0	0	0	0
12:00	-6	-7		0	0	0	0
12:30	-8	-6		0	0	0	0
13:00	-8	-6		0	0	0	0
13:30	-8	-7		0	0	0	0
14:00	-8	-7		0	0	0	0
14:30	-7	-8		0	0	0	0
15:00	-7	-8		0	0	0	0
15:30	-7	-8		0	0	0	0
16:00	-7	-8		0	0	0	0

Site Location: Corner Stop 28		Date: 7-26-12
Site Conditions: Site was in good condition. Wells were found in good condition.		
AFVR Contractor: Vacuum Recovery Technologies, LLC	Field Personnel: KLM Environmental, LLC: Matt Roseberry	General Weather Conditions: Sunny
Ambient Air Temperature: 95 Fahrenheit	Estimated Gallons of Product Removed: 0 gallons	Initial Product Thickness: MW-2 =0.0 MW-3 =0.0
Final Product Thickness: MW-2 =0.0 MW-3 =0.0	AFVR Start Time: 13:00	AFVR End Time: 21:00

Time(Readings Every 30 Minutes)	Recovery Rate Vacuum Inches of Hg	Temp Degrees F	Stack Vel. mph	Humidity	Air Emission Conc. Measurements in ppm	Air Flow Rate shown in Cubic Feet per Minute
13:00	-20	108.6	6.3	45.8	157.0	45.40
13:30	-20	118.7	8.5	40.1	172.4	61.26
14:00	-21	120.2	8.3	39.6	198.6	59.82
14:30	-22	129.6	7.8	41.7	260.1	56.21
15:00	-22	131.4	8.1	36.4	276.9	58.38
15:30	-22	140.1	9.3	32.7	283.9	67.02
16:00	-22	149.9	6.5	30.7	347.4	46.85
16:30	-22	153.5	6.9	28.6	894.6	49.73
17:00	-22	160.9	7.6	20.9	972.8	54.77
17:30	-22	162.3	8.4	24.3	1083	60.54
18:00	-22	166.4	7.8	22.6	1108	56.21
18:30	-22	169.5	7.1	30.0	831.5	51.17
19:00	-22	171.3	7.5	25.3	899.7	54.05
19:30	-22	170.4	8.1	15.2	729.6	58.38
20:00	-22	177.6	7.8	14.6	860.8	56.21
20:30	-22	180.2	9.2	13.1	912.5	66.30
21:00	-22	182.7	7.1	11.7	642.7	51.17

	Start	End
MW-2	42.88	48.82
MW-3	47.92	52.66

KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

AFVR Table
Corner Stop # 28
717 N. Greenwood Ave.
Ware Shoals, SC
Site ID# 05659 7/26/12

Equations to determine Pollutant Mass Removal rate as gasoline (PMRg):

7/26/2012

$PPM_w = PPM_{measured} =$	625.3823529
$PPM_d = PPM_w / (1\text{-}Bws) =$	667.4664161
$PPM_c = (PPM_d)(K) =$	2669.865664
$C_{c:m} = PPM_c(M_c/K_3) =$	1332.15981
$C_c = C_{c:m}(62.43x10^{-9}) =$	8.31667E-05
$PMR_c = C_c(Qstd)(60) =$	0.963226955
$PMR_g = (PMR_c)(M_g/M_{cg}) =$	**1.114745802 lbs of emissions per hour**
	1.426874626 Gallons of emissions per 8 hours

Site Location: Corner Stop 28			Date: 7/26/12
Site Conditions: Site was in good condition. Wells were found in good condition.			
AFVR Contractor: Vacuum Recovery Technologies, LLC	Field Personnel: KLM Environmental, LLC: Matt Roseberry		General Weather Conditions: Sunny

	Inches of Hg on Extraction Well			**Inches of Hg on surrounding wells**			
Time	**MW-2**	**MW-3**	**MW**	**MW-10**	**MW-17**	**MW-1**	**MW-5**
13:00	-9	-9		0	0	0	0
13:30	-9	-9		0	0	0	0
14:00	-9	-9		0	0	0	0
14:30	-9	-9		0	0	0	0
15:00	-9	-9		0	0	0	0
15:30	-9	-9		0	0	0	0
16:00	-12	-10		0	0	0	0
16:30	-12	-10		0	0	0	0
17:00	-12	-10		0	0	0	0
17:30	-12	-10		0	0	0	0
18:00	-12	-10		0	0	0	0
18:30	-12	-10		0	0	0	0
19:00	-12	-10		0	0	0	0
19:30	-12	-10		0	0	0	0
20:00	-12	-10		0	0	0	0
20:30	-12	-10		0	0	0	0
21:00	-12	-10		0	0	0	0

Site Location: Corner Stop 28		Date: 7-27-12
Site Conditions: Site was in good condition. Wells were found in good condition.		
AFVR Contractor: Vacuum Recovery Technologies, LLC	Field Personnel: KLM Environmental, LLC: Matt Roseberry	General Weather Conditions: sunny
Ambient Air Temperature: 90 Fahrenheit	Estimated Gallons of Product Removed: 0 gallons	Initial Product Thickness: MW-15 = 0.55 MW-15R = 0.0 MW-22 = 0.05
Final Product Thickness: MW-15 = 0.0 MW-15R = 0.0 MW-22 = 0.0	AFVR Start Time: 07:00	AFVR End Time: 15:00

Time(Readings Every 30 Minutes)	Recovery Rate Vacuum Inches of Hg	Temp Degrees F	Stack Vel. mph	Humidity	Air Emission Conc. Measurements in ppm	Air Flow Rate shown in Cubic Feet per Minute
07:00	-20	101.7	7.2	55.4	467.8	51.89
07:30	-20	112.6	6.8	50.8	768.7	49.01
08:00	-20	118.9	8.1	52.6	1090	58.38
08:30	-22	122.6	8.6	48.7	1280	61.98
09:00	-22	130.3	7.8	36.4	1460	56.21
09:30	-22	134.6	8.1	34.3	1670	58.38
10:00	-22	141.2	7.6	30.7	1655	54.77
10:30	-22	144.6	7.8	29.1	1729	56.21
11:00	-22	151.2	8.2	26.3	1800	59.10
11:30	-22	156.3	8.8	28.7	1835	63.42
12:00	-22	163.4	9.1	30.6	1894	65.58
12:30	-22	171.8	10.2	24.7	1460	73.51
13:00	-22	178.9	9.6	20.0	1410	69.19
13:30	-22	180.2	9.8	18.6	986.4	70.63
14:00	-22	181.6	9.5	16.4	742.8	68.47
14:30	-22	186.4	8.6	12.8	651.3	61.98
15:00	-22	190.2	7.9	11.7	481.2	56.94

	Start	End
MW-15	60.56 – 61.11	62.32
MW-15R	59.64	61.14
MW-22	60.50 -60.55	62.25

KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

AFVR Table
Corner Stop # 28
717 N. Greenwood Ave.
Ware Shoals, SC
Site ID# 05659 7/27/12

Equations to determine Pollutant Mass Removal rate as gasoline (PMRg):

7/27/2012

$PPM_w = PPM_{measured} =$	1257.717647
$PPM_d = PPM_w / (1\text{-}Bws) =$	1342.35366
$PPM_c = (PPM_d)(K) =$	5369.41464
$C_{c:m} = PPM_c(M_c/K_3) =$	2679.130445
$C_c = C_{c:m}(62.43x10^{-9}) =$	0.000167258
$PMR_c = C_c(Qstd)(60) =$	2.109513158
$PMR_g = (PMR_c)(M_g/M_{cg}) =$	**2.441346688 lbs of emissions per hour**
	3.124923761 Gallons of emissions per 8 hours

Site Location: Corner Stop 28			Date: 7/27/12
Site Conditions: Site was in good condition. Wells were found in good condition.			
AFVR Contractor: Vacuum Recovery Technologies, LLC	Field Personnel: KLM Environmental, LLC: Matt Roseberry		General Weather Conditions: Sunny

	Inches of Hg on Extraction Well			Inches of Hg on surrounding wells			
Time	**MW-15**	**MW-15R**	**MW-22**	**MW-21**	**MW-24**	**MW-23**	**MW-19R**
07:00	-5	-5	-8	0	0	0	0
07:30	-5	-5	-8	0	0	0	0
08:00	-4	-5	-8	0	0	0	0
08:30	-4	-5	-8	0	0	0	0
09:00	-5	-5	-7	0	0	0	0
09:30	-5	-5	-7	0	0	0	0
10:00	-5	-5	-7	0	0	0	0
10:30	-5	-6	-8	0	0	0	0
11:00	-5	-6	-8	0	0	0	0
11:30	-5	-5	-7	0	0	0	0
12:00	-5	-5	-7	0	0	0	0
12:30	-5	-5	-7	0	0	0	0
13:00	-5	-5	-7	0	0	0	0
13:30	-5	-5	-7	0	0	0	0
14:00	-5	-5	-7	0	0	0	0
14:30	-5	-5	-7	0	0	0	0
15:00	-5	-5	-7	0	0	0	0

US Water Recovery

Non-Hazardous Wastewater Manifest

Number:

1. Generator's EPA ID# (if applicable):

Waste ID Number:

2. Generator's Name and Mailing Address:

Corner Stop #28

Phone ( )

PO#:

3. Agent of Generator and Mailing Address:

KLM Environmental

Phone ( )

PO#:

4. Transporter Company Name:

Vernon Environmental Tech

Phone ( )

Truck & Trailer License Number:

5. Transporter U.S. EPA ID#:

6. Facility Name and Site Address:
U S Water Recovery
435 Old Mt. Holly Rd.
Mt. Holly, SC 29445

Phone: (843) 797-8874

Fax: (843) 797-2126

Mailing Address:
U S Water Recovery
210 S. Cedar Street
Summerville, SC 29483

Phone: (843) 797-3111

Fax: (843) 797-1884

7. Facility U.S. EPA ID#:

Start Level: End Level: Total Gallons: Tank Number

8. U.S. DOT Desciption	Container No.	Container Type	Unit	Quantity
a. Non-Hazardous, non-regulated waste water				872

9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.

Printed/Typed Name: Tavon Rose Signature: Date: 07/10/12

10. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: Anthony Rodriguez Signature: Date: 07/10/12

11. Discrepancy Indication space:

12. Facility Owner or Operator: Certification of Receipt of Materials

Printed/Typed Name: Signature: Date: 7-10-12

White - Facility Yellow - Office Pink - Transporter Blue - Generator

868

US Water Recovery

8002

Non-Hazardous Wastewater Manifest

Number:

1. Generator's EPA ID# (if applicable):

Waste ID Number:

2. Generator's Name and Mailing Address:

Corner Step #28

Phone ( )

PO#:

3. Agent of Generator and Mailing Address:

KLM Env.

Phone ( )

PO#:

4. Transporter Company Name:

Vacuum Recovery Tech.

Phone ( )

Truck & Trailer License Number:

5. Transporter U.S. EPA ID#:

6. Facility Name and Site Address:
U S Water Recovery
435 Old Mt. Holly Rd.
Mt. Holly, SC 29445

Phone: (843) 797-8674

Fax: (843) 797-2126

Mailing Address:
U S Water Recovery
~~210 S. Cedar Street~~
~~Summerville, SC 29483~~
511 Old Mt Holly Rd

Phone: (843) 797-3111

Fax: (843) 797-1884

7. Facility U.S. EPA ID#:

Start Level:

End Level:

Total Gallons:

Tank Number:

8. U.S. DOT Description	Container No.	Container Type	Unit	Quantity
a. Non-Hazardous, non-regulated waste water				831

9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.

Printed/Typed Name: Jason Boots Signature: Date: 8/1/12

10. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: Matthew Roseberry Signature: Date: 8-1-12

11. Discrepancy indication space:

12. Facility Owner or Operator: Certification of Receipt of Materials

Printed/Typed Name: David Wand Signature: Date: 8-1-12

White - Facility Yellow - Office Pink - Transporter Blue - Generator

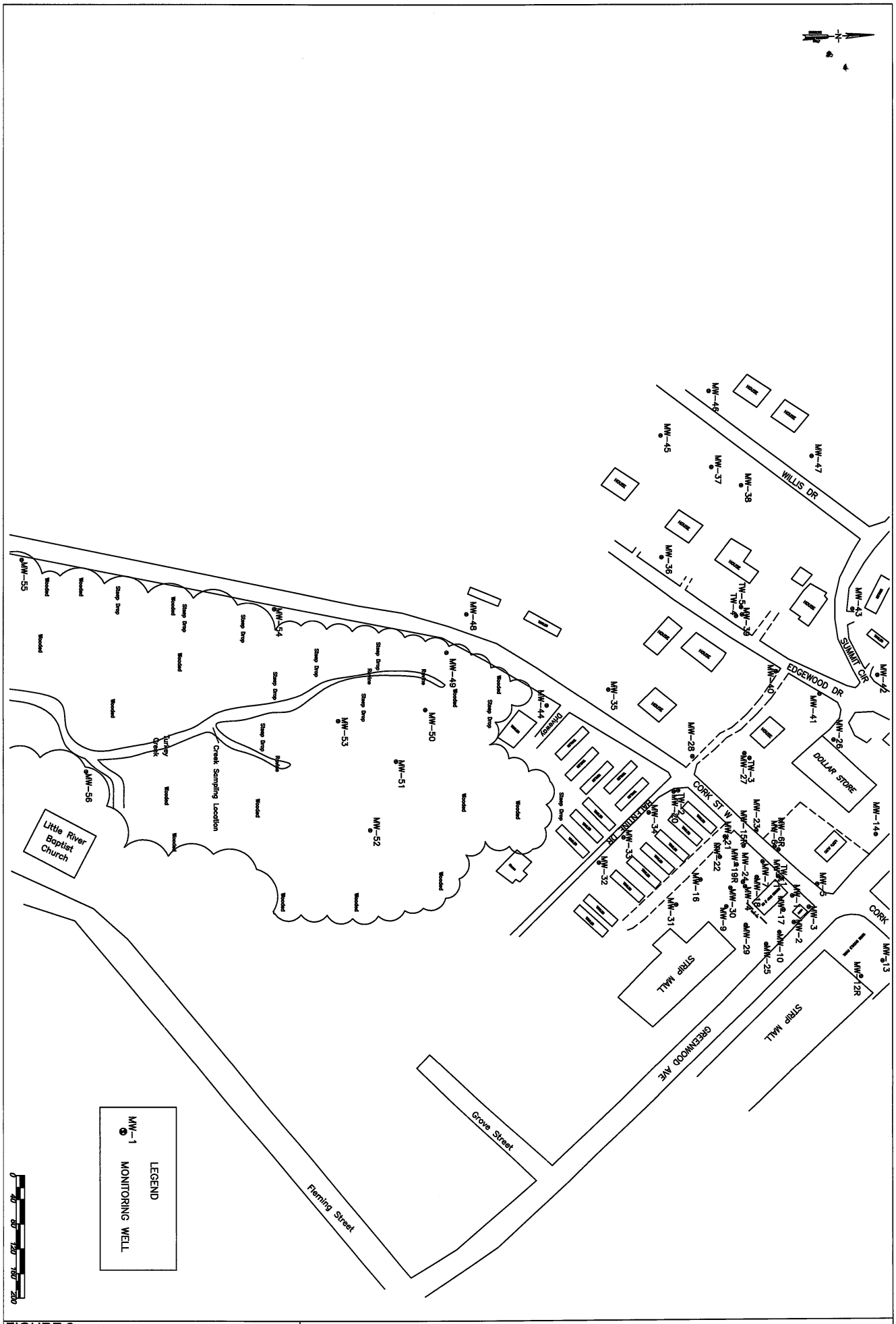

FIGURE 2
SITE MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

KLM Environmental, LLC
Phase I· Phase II· Underground Storage Tanks· Soil & Water Sampling· Well Installation

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NOV 16 2007

UNDERGROUND STORAGE
TANK PROGRAM

NOVEMBER 2007 MONITORING REPORT
Corner Stop 28 (Former Fast Point 17)
Ware Shoals, South Carolina
Site ID# 05659

KLM Environmental, LLC

Phase I Phase II Underground Storage Tanks Soil & Water Sampling Well Installation

PO Box 2704
Goose Creek, SC 29445

843-870-4285 Phone
843-797-1893 Fax

November 8th, 2007

Prepared for:

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Prepared by:

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Goose Creek, SC 29445
(843) 870-4285 / *fax: 797-1893*

Project# 05094.1

UST PROGRAM
DOCKETING # 3

SIGNATURE PAGE

This report entitled "**NOVEMBER 2007 MONITORING REPORT" for Corner Stop 28** has been prepared at the request of and for the exclusive use of the South Carolina Department of Health and Environmental Control. It has been prepared and reviewed by the undersigned.

Prepared By:

J. Micah Bennett
Hydrogeologist
KLM Environmental, LLC

Prepared By:

Mark L. Keller, PG
President
KLM Environmental, LLC

11/9/07
Date

MARK L. KELLER
REGISTERED
No. 2311
11/9/07
SOUTH CAROLINA
PROFESSIONAL GEOLOGIST

TABLE OF CONTENTS

SECTION	DESCRIPTION	PAGE
1.0	INTRODUCTION	1
2.0	AFVR	2
3.0	SITE DESCRIPTION	3
4.0	GROUNDWATER QUALITY	5
5.0	CONCLUSIONS	8
6.0	REFERENCES	9

LIST OF FIGURES

DESCRIPTION	FIGURE
GENERAL SITE LOCATION	1
SITE MAP	2
PIEZOMETRIC MAP	3
COC MAP	4

LIST OF APPENDICES

DESCRIPTION	APPENDIX
FIGURES	A
AFVR EMISSIONS DATA	B
WELL CONSTRUCTION LOGS	C
LABORATORY DATA	D
DISPOSAL MANIFEST	E

LIST OF TABLES

DESCRIPTION	TABLE
GROUNDWATER ELEVATION DATA	1
SUMMARY OF ANALYTICAL DATA	2

1.0 INTRODUCTION

The Corner Stop 28 site is located at 717 North Greenwood Ave. in Ware Shoals, South Carolina. A general site location map is provided as Figure 1 in Appendix A. Numerous assessment and sampling events have occurred at the site since the release was reported on December 31, 1991. As a result of the last assessment report received by the SCDHEC on July 18th, 2007 a directive was sent out requesting Aggressive Fluid Vapor Recovery (AFVR) to be performed at the site along with additional wells to be installed and the well network be sampled. This report serves to present the results of the AFVR event and the current assessment investigation.

2.0 AGGRESSIVE FLUID VAPOR RECOVERY

The AFVR event was performed on September 21, 2007. Free product at MW-11 measured 3.18 feet before the AFVR event began on September 21, 2007. A total of 750 gallons of water and product were recovered during this event, with 30 gallons of free product. There was no measurable free product in the well at the completion of the eight AFVR event. Vac truck emissions monitoring data are included in Appendix B along with the manifest for the AFVR Event.

3.0 SITE DESCRIPTION

Currently, there are nineteen shallow wells and two telescoping wells located at the site. Figure 2 serves as a site map showing well locations. On October 27th 2007 Cypress Bay Geological, Inc. installed MW-17, MW-18, MW-19, MW-20, and telescoping well T-2. Well construction logs are presented in Appendix C. The piezometric data is provided in the following table and in Appendix A, Figure 3.

TABLE 1
Groundwater Data (feet)
Corner Stop 28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	FP Thickness	GW Elevation
MW-1**	10/23/07	99.42	34-54	46.53	48.20	1.67	51.22
MW-2	10/23/07	98.19	45-55	-	43.41	-	54.78
MW-3**	10/23/07	99.02	45-55	45.62	45.64	0.02	53.38
MW-4	10/23/07	102.70	45-60	-	Dry	-	Dry
MW-5	10/23/07	99.90	35-60	-	46.40	-	53.50
MW-6	10/23/07	101.45	33-48	-	Dry	-	Dry
MW-7**	10/23/07	101.61	23-48	55.27	57.11	1.84	44.50
MW-9	10/23/07	96.71	35-60	-	41.84	-	54.87
MW-10	10/23/07	98.24	35-60	-	34.95	-	63.29
MW-11**	10/23/07	100.53	30-55	51.60	54.21	2.61	46.32
MW-12	10/23/07	97.96	33-48	-	CNL	-	CNL
MW-13	10/23/07	99.96	40-60	-	41.28	-	58.68
MW-14	10/23/07	102.92	40-60	-	52.62	-	50.30
MW-15**	10/23/07	101.50	40-60	55.84	55.85	0.01	45.65
MW-16	10/23/07	98.68	40-60	-	52.35	-	46.33
MW-17	10/23/07	99.05	40-60	-	41.72	-	57.33
MW-18	10/23/07	101.23	40-60	-	55.38	-	45.85
MW-19	10/23/07	102.19	40-60	-	56.62	-	45.57
MW-20	10/23/07	91.47	40-60	-	50.56	-	40.91
T-1**	10/23/07	100.32	76-81	-	53.40	-	46.92
T-2**	10/23/07	91.86	76-81	-	51.04	-	40.82

**Piezometric data from wells with free product and telescoping well not used to construct the piezometric map.

CNL = Could Not Locate

Depths to fluid measurements were collected relative to the top of casing for each well using a hydrocarbon interface probe capable of detecting and measuring a hydrocarbon product thickness of 0.01 foot or 1/8 inch. Groundwater elevations were then determined by subtracting depth to fluid measurements from the top of casing elevations and a piezometric contour map of the uppermost aquifer surface was developed (Appendix A, Figure 3). Free phase petroleum product was detected in monitoring wells MW-1, MW-3, MW-7, MW-11, and MW-15 on the day sampling was performed. These wells along with the telescoping wells are not included in the piezometric map in Appendix A. Monitoring wells MW-4 and MW-6 were dry. Monitoring well MW-12 could not be located due to recent construction of a flower bed and sitting area constructed with brick sidewalks and patios, which may have destroyed or covered the well. The city of Ware Shoals performed this construction.

4.0 GROUNDWATER QUALITY

KLM personnel performed the groundwater-sampling event on October 23rd, 2007. Results from the most recent sampling event are included in the table for comparison.

TABLE 2
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	Lead	EDB
RBSL	--	**5**	**1000**	**700**	**10000**	**40**	**25**	**15**	**0.05**
MW-1	2/28/06	NS	NS	NS	NS	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-2	2/28/06	**3800**	**41000**	**4100**	**22500**	**1100**	**<400**	NS	**10**
	5/30/07	**1300**	**20000**	**1900**	**12300**	**1900**	**400**	<5.0	**15**
	10/23/07	**2410**	**25900**	**3340**	**18350**	**7510**	**1940**	<5.0	**16.8**
MW-3	2/28/06	NS	NS	NS	NS	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-4	2/28/06	NS	NS	NS	NS	NS	NS	NS	NS
	5/30/07	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	10/23/07	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-5	2/28/06	**410**	150	19	270	**140**	3	NS	<0.02
	5/30/07	**900**	820	150	640	**860**	13	<5	**0.20**
	10/23/07	**592**	334	70.1	444	**425**	**45.4**	<5.0	0.031
MW-6	2/28/06	**450**	350	650	1450	19	<1	NS	<0.02
	5/30/07	<5.0	14	6.4	40	<5.0	12	NS	NS
	10/23/07	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-7	2/28/06	NS	NS	NS	NS	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-9	2/28/06	<1	<1	<1	<3	<1	<1	NS	<0.02
	5/30/07	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<0.02
	10/23/07	<5.0	5.2	<5.0	<10.0	<5.0	<5.0	<5.0	<0.02
MW-10	2/28/06	<1	<1	<1	<3	<1	<1	NS	<0.02
	5/30/07	<5.0	9.5	<5.0	21.4	<5.0	6.7	<5.0	<0.02
	10/23/07	<5.0	19.4	6.7	43.3	<5.0	11.7	<5.0	<0.02
MW-11	2/28/06	**12000**	**60000**	**10000**	**55000**	**37000**	**3400**	NS	**19**
	5/30/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**

TABLE 2 Continued
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	Lead	EDB
RBSL	--	**5**	**1000**	**700**	**10000**	**40**	**25**	**15**	**0.05**
MW-12	2/28/06	**130**	7	1	94	22	1	NS	<0.02
	5/30/07	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL
	10/23/07	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL
MW-13	5/30/07	<5.0	<5.0	<5.0	<10	<5.0	<5.0	**54**	<0.02
	10/23/07	<5.0	7.4	<5.0	<10	<5.0	6.3	<5.0	<0.02
MW-14	5/30/07	<5.0	<5.0	<5.0	<10	<5.0	<5.0	**180**	<0.02
	10/23/07	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	**22.5**	<0.02
MW-15	5/30/07	**10000**	**42000**	**3400**	**29000**	**980**	**830**	**94**	**23**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-16	5/30/07	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	**27**	<0.02
	10/23/07	<5.0	9.3	<5.0	20.2	<5.0	5.7	10.2	<0.02
MW-17	10/23/07	**2610**	**7400**	**912**	6330	**9380**	**<500**	**55.6**	**24.6**
MW-18	10/23/07	**2180**	**20000**	**3410**	**19880**	**1030**	**830**	**36.1**	**0.88**
MW-19	10/23/07	**9840**	**47600**	**5260**	**27800**	**18500**	**1660**	**35.5**	**16.4**
MW-20	10/23/07	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	**22.2**	<0.02
T-1	2/28/06	NS	NS	NS	NS	NS	NS	NS	NS
	5/30/07	**41**	240	120	790	**1500**	**260**	<5.0	**0.71**
	10/23/07	**<25**	44.7	<25	<50	**655**	<25	**34.5**	**0.10**
T-2	10/23/07	<5.0	33.2	9.9	52.5	<5.0	6.9	<5.0	<0.02

All results presented in the table are in ug/l unless otherwise stated. Free phase petroleum product is designated at FP, not analyzed is designated as NA, and could not locate is designated as CNL.

A minimum of three well volumes were purged from each monitoring well newly installed or not effectively bracketing the water table. Immediately after well purging was completed, groundwater samples were collected using disposable bottom entry sampling bailers, decanted into sterile glass sample containers provided by the analytical laboratory, and preserved in accordance with United States Environmental Protection Agency (USEPA) sampling protocol. Standard field parameters (pH, specific conductivity, temperature, dissolved oxygen, salinity, and turbidity) were measured and recorded for each sample during well purging and at the time of collection. Following collection in the field, the groundwater samples were submitted to the analytical laboratory and analyzed for Benzene, Toluene, Ethylbenzene, total Xylenes (BTEX), Methyl-tert Butyl Ether

(MTBE), Naphthalene, EDB, and Lead. A copy of the laboratory data and the chain-of-custody for the well sampling event is provided in Appendix D. A map with concentration levels for each well is provided as Figure 4 in Appendix A. A disposal manifest for the contaminated purge water and drill cuttings is provided in Appendix E.

5.0 CONCLUSIONS

This sampling event performed on October 23, 2007 shows the presence of free phase petroleum at the site in monitoring wells MW-1, MW-3, MW-7, MW-11 and MW-15. Before the AFVR event began on September 21, 2007, monitoring well MW-11 was gauged for free product. Free product measured 3.18 feet before the AFVR began and measured 2.61 feet a month later during the sampling event. The dissolved phase levels reported by the analytical laboratory show elevated contaminant levels well above RBSL's at monitoring wells MW-2, MW-5, MW-17, MW-18, and MW-19. Telescoping well TW-1 is reported as having MTBE above its RBSL. The AFVR event conducted on September 21, 2007 made a significant reduction of free product at monitoring well MW-11. Because of the proven success of the past AFVR events at the Corner Stop site KLM recommends a series of AFVR events to be performed on all wells exhibiting free product (MW-1, MW-3, MW-7, MW-11 and MW-15). KLM also recommends a comprehensive sampling event following the AFVR events to monitor product levels and tract contaminant concentrations.

6.0 REFERENCES

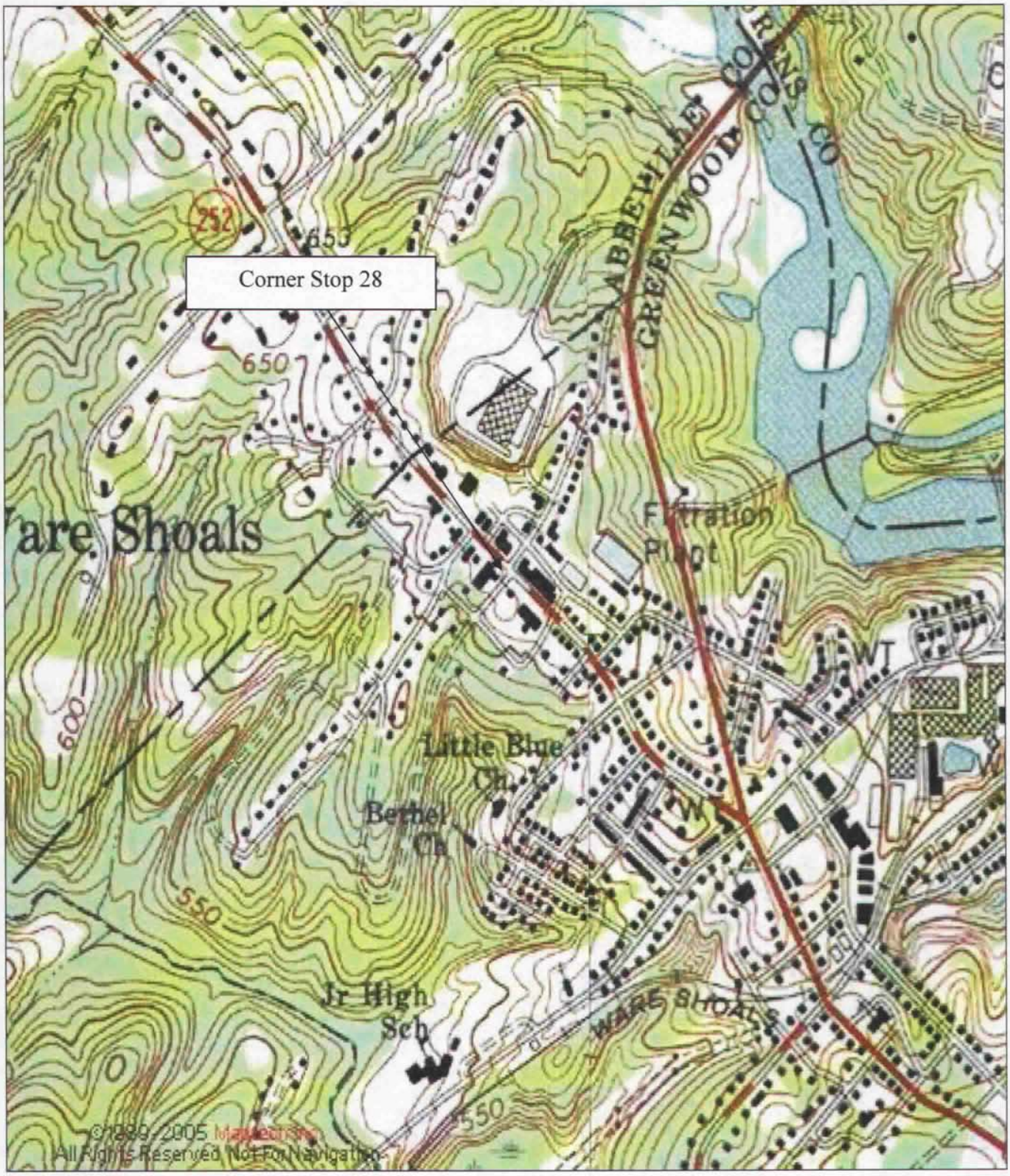
KLM Environmental, LLC, *Assessment Report*, June, 2007.

Delta Environmental, Inc., *Monitoring Report*, February 2006.

South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management Underground Storage Tank Program, *South Carolina Risk-Based Corrective Action for Petroleum Releases*, May 15, 2001.

APPENDIX A

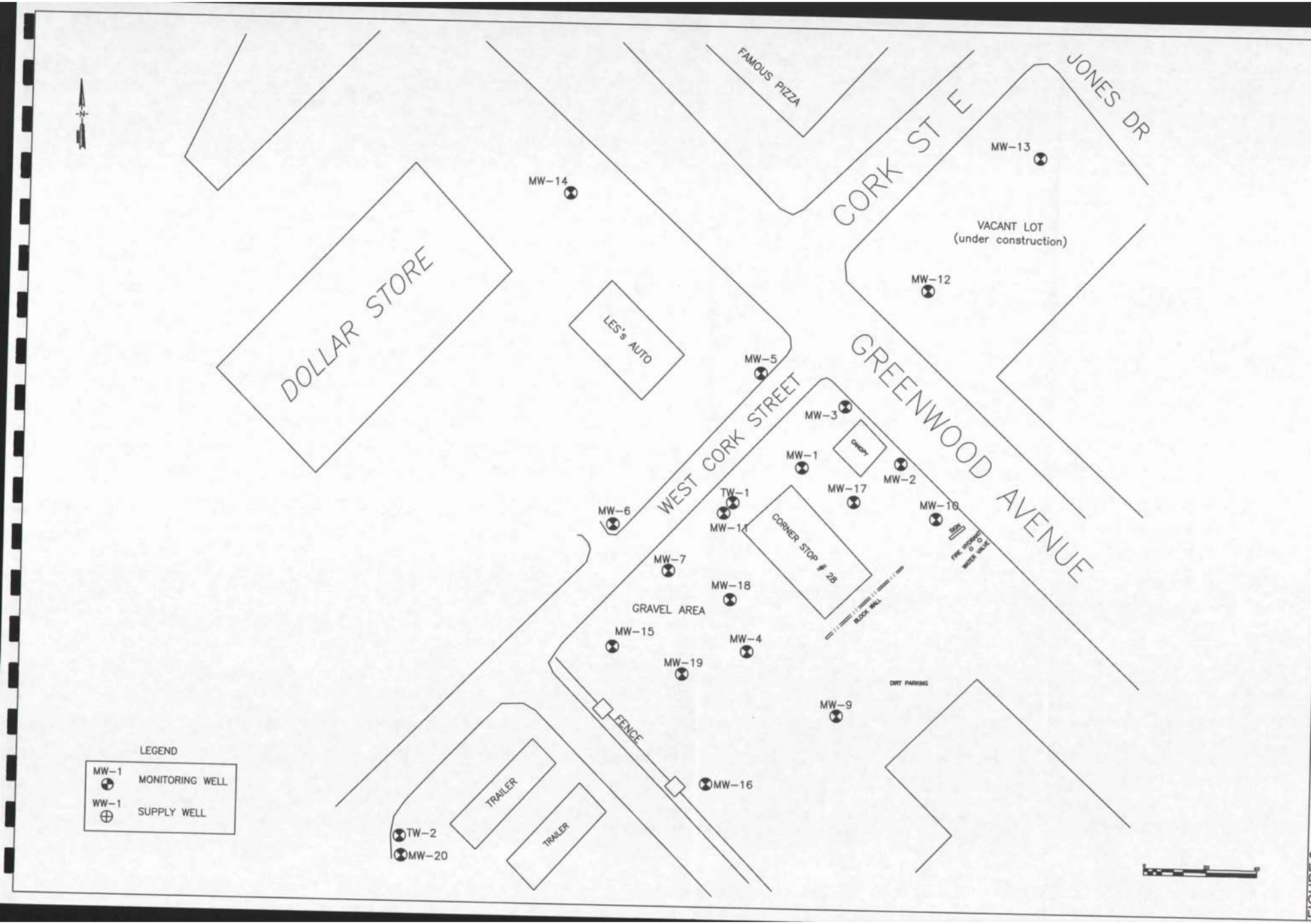
Figures



KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

Figure 1
USGS Map
Corner Stop 28
Ware Shoals, SC
Project # 05659



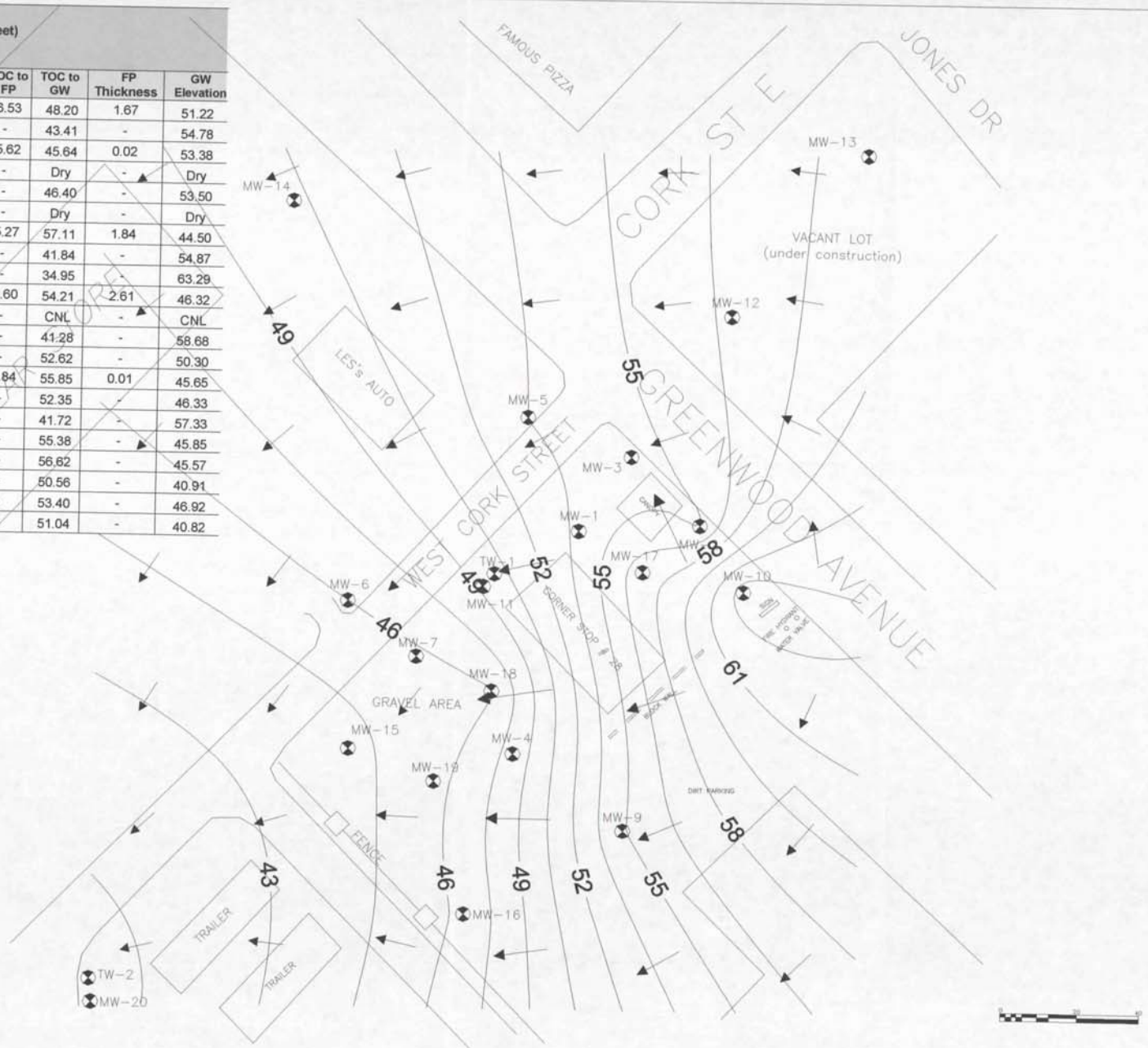
KLM Environmental, LLC

Phase I: Phase II: Underground Storage Tanks: Soil & Water Sampling: Well Installation

FIGURE 2
SITE MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

TABLE 1
Groundwater Data (feet)
Corner Stop 28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	FP Thickness	GW Elevation
MW-1**	10/23/07	99.42	34-54	46.53	48.20	1.67	51.22
MW-2	10/23/07	98.19	45-55	-	43.41	-	54.78
MW-3**	10/23/07	99.02	45-55	45.62	45.64	0.02	53.38
MW-4	10/23/07	102.70	45-60	-	Dry	-	Dry
MW-5	10/23/07	99.90	35-60	-	46.40	-	53.50
MW-6	10/23/07	101.45	33-48	-	Dry	-	Dry
MW-7**	10/23/07	101.61	23-48	55.27	57.11	1.84	44.50
MW-9	10/23/07	96.71	35-60	-	41.84	-	54.87
MW-10	10/23/07	98.24	35-60	-	34.95	-	63.29
MW-11**	10/23/07	100.53	30-55	51.60	54.21	2.61	46.32
MW-12	10/23/07	97.96	33-48	-	CNL	-	CNL
MW-13	10/23/07	99.96	40-60	-	41.28	-	58.68
MW-14	10/23/07	102.92	40-60	-	52.62	-	50.30
MW-15**	10/23/07	101.50	40-60	55.84	55.85	0.01	45.65
MW-16	10/23/07	98.68	40-60	-	52.35	-	46.33
MW-17	10/23/07	99.05	40-60	-	41.72	-	57.33
MW-18	10/23/07	101.23	40-60	-	55.38	-	45.85
MW-19	10/23/07	102.19	40-60	-	56.62	-	45.57
MW-20	10/23/07	91.47	40-60	-	50.56	-	40.91
T-1**	10/23/07	100.32	76-81	-	53.40	-	46.92
T-2**	10/23/07	91.86	76-81	-	51.04	-	40.82



LEGEND

MW-1 MONITORING WELL

WW-1 SUPPLY WELL

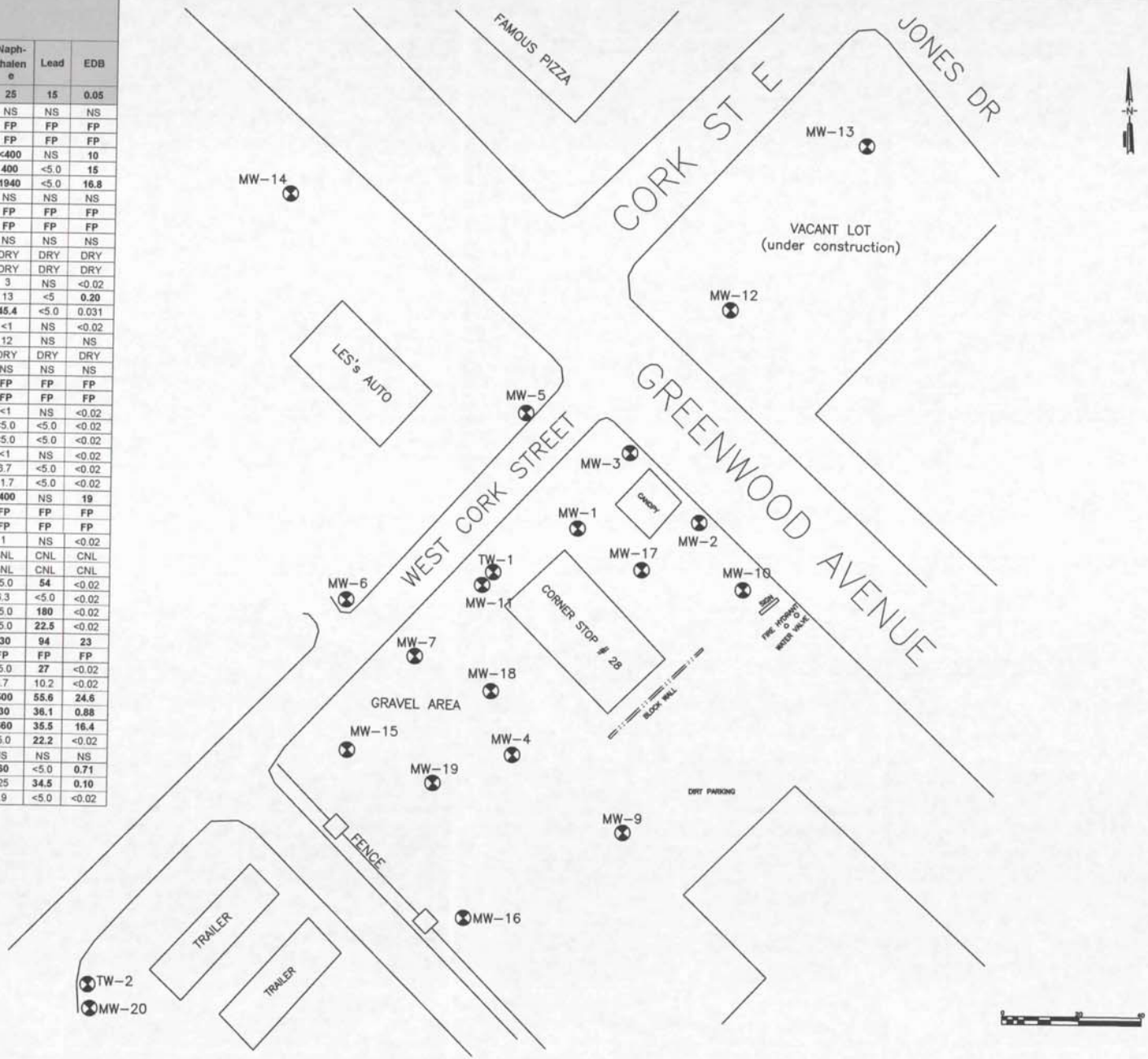
KLM Environmental, LLC

Phase I-Phase II-Underground Storage Tanks-Soil & Water Sampling-Well Installation

FIGURE 3
PIEZOMETRIC MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

TABLE 2
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	Lead	EDB
RBSL	--	5	1000	700	10000	40	25	15	0.05
MW-1	2/28/06	NS	NS	NS	NS	NS	NS	NS	NS
	5/30/07	FP	FP	FP	FP	FP	FP	FP	FP
	10/23/07	FP	FP	FP	FP	FP	FP	FP	FP
MW-2	2/28/06	3800	41000	4100	22500	1100	<400	NS	10
	5/30/07	1300	20000	1900	12300	1900	400	<5.0	15
	10/23/07	2410	25900	3340	18350	7510	1940	<5.0	16.8
MW-3	2/28/06	NS	NS	NS	NS	NS	NS	NS	NS
	5/30/07	FP	FP	FP	FP	FP	FP	FP	FP
	10/23/07	FP	FP	FP	FP	FP	FP	FP	FP
MW-4	2/28/06	NS	NS	NS	NS	NS	NS	NS	NS
	5/30/07	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	10/23/07	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-5	2/28/06	410	150	19	270	140	3	NS	<0.02
	5/30/07	900	820	150	640	860	13	<5	0.20
	10/23/07	592	334	70.1	444	425	45.4	<5.0	0.031
MW-6	2/28/06	450	350	650	1450	19	<1	NS	<0.02
	5/30/07	<5.0	14	6.4	40	<5.0	12	NS	NS
	10/23/07	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-7	2/28/06	NS	NS	NS	NS	NS	NS	NS	NS
	5/30/07	FP	FP	FP	FP	FP	FP	FP	FP
	10/23/07	FP	FP	FP	FP	FP	FP	FP	FP
MW-9	2/28/06	<1	<1	<1	<3	<1	<1	NS	<0.02
	5/30/07	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<0.02
	10/23/07	<5.0	5.2	<5.0	<10.0	<5.0	<5.0	<5.0	<0.02
MW-10	2/28/06	<1	<1	<1	<3	<1	<1	NS	<0.02
	5/30/07	<5.0	9.5	<5.0	21.4	<5.0	6.7	<5.0	<0.02
	10/23/07	<5.0	19.4	6.7	43.3	<5.0	11.7	<5.0	<0.02
MW-11	2/28/06	12000	60000	10000	55000	37000	3400	NS	19
	5/30/07	FP	FP	FP	FP	FP	FP	FP	FP
	10/23/07	FP	FP	FP	FP	FP	FP	FP	FP
MW-12	2/28/06	130	7	1	94	22	1	NS	<0.02
	5/30/07	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL
	10/23/07	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL
MW-13	5/30/07	<5.0	<5.0	<5.0	<10	<5.0	<5.0	54	<0.02
	10/23/07	<5.0	7.4	<5.0	<10	<5.0	6.3	<5.0	<0.02
MW-14	5/30/07	<5.0	<5.0	<5.0	<10	<5.0	<5.0	180	<0.02
	10/23/07	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	22.5	<0.02
MW-15	5/30/07	10000	42000	3400	29000	980	830	94	23
	10/23/07	FP	FP	FP	FP	FP	FP	FP	FP
MW-16	5/30/07	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	27	<0.02
	10/23/07	<5.0	9.3	<5.0	20.2	<5.0	5.7	10.2	<0.02
MW-17	10/23/07	2610	7400	912	6330	9380	<500	55.6	24.6
MW-18	10/23/07	2180	20000	3410	19880	1030	830	36.1	0.88
MW-19	10/23/07	9840	47600	5260	27800	18500	1660	35.5	16.4
MW-20	10/23/07	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	22.2	<0.02
T-1	2/28/06	NS	NS	NS	NS	NS	NS	NS	NS
	5/30/07	41	240	120	790	1500	260	<5.0	0.71
	10/23/07	<25	44.7	<25	<50	655	<25	34.5	0.10
T-2	10/23/07	<5.0	33.2	9.9	52.5	<5.0	6.9	<5.0	<0.02



LEGEND

MW-1 MONITORING WELL

WW-1 SUPPLY WELL

KLM Environmental, LLC

Phase I· Phase II· Underground Storage Tanks·Soil & Water Sampling·Well Installation

FIGURE 4
COC MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

APPENDIX B

AFVR EMISSIONS DATA

Site Location: Corner Stop 28, 717 North Greenwood Ave., Ware Shoals, SC		Date: 9/21/07
Site Conditions: Wells appear to be in good condition.		
AFVR Contractor: Moran Environmental	Field Personnel: KLM Environmental; Jason Boots Moran Environmental; Matthew Hamman	General Weather Conditions: Clear sunny
Ambient Air Temperature: 80 F	Estimated Gallons of Product Removed: 30 Gallons	Initial Product Thickness: MW-11 : 3.18 feet of product
Final Product Thickness: MW-11 : 0.00 feet of product	AFVR Start Time: 8:00 A.M.	AFVR End Time: 16:00

Time (Readings Every 30 Minutes)	Recovery Rate In Hg Vacuum	Recovery Rate Stack Velocity	Air Emission Conc. Measurements (ppm) (Carbon Filter on Exhaust Gas)*
800	20	210	1235
830	20	205	1176
900	20	205	1169
930	20	205	1096
1000	20	210	1183
1030	20	205	1298
1100	20	200	1155
1130	20	215	1223
1200	20	215	1214
1230	20	210	1186
1300	20	210	1056
1330	20	215	1041
1400	20	215	1032
1430	20	215	1025
1500	20	215	1012
1530	20	210	985
1600	20	205	1059

	Start	End
MW-11	51.30 – 54.48	55.02

30 gallons of product recovered; and 750 gallons of water and product

KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

AFVR Table
Corner Stop 28
717 N. Greenwood Ave.
Ware Shoals, SC
Site ID # 05659 9/21/07

4101

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number
2. Page 1 of
3. Emergency Response Phone
4. Waste Tracking Number: 30 1716

5. Generator's Name and Mailing Address: Kim Corner Stop
Generator's Site Address (if different than mailing address): 717 N. Greenwood Ware Shoals, SC
Generator's Phone:

6. Transporter 1 Company Name: Moran Environmental
U.S. EPA ID Number:

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: US Water Recovery, Old Mt. Holly Rd., Goose Creek, SC
U.S. EPA ID Number:
Facility's Phone:

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Contact water	001	VT	750	G
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
30 gls of Product.
RH201

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: Micah Bennett
Signature:
Month 09 Day 21 Year 07

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Matthew Hammer
Signature:
Month 09 Day 21 Year 07
Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Paul Goodsell
Signature:
Month 9 Day 21 Year 07

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

BLC-O 6 10428 (Rev. 3/06)

DESIGNATED FACILITY TO GENERATOR

APPENDIX C

Well Construction Logs

DHEC
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies (last) (first)
Address: 10 South Cardinal Drive PO Box 3227
City: Wilmington State: NC Zip: 28405-327
Telephone. Work: Home:

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop #28
Street Address: 717 North Greenwood Avenue
City: Ware Shoals State: SC Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER: MW-17

4. ABANDONIMENT: ☐ Yes ☐ No
Grouted Depth: from ____ ft. to ____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
See attached for detailed lithology	60	60
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-20877

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

9. WELL DEPTH (completed) Date Started: 10/21/2007
60 ft. Date Completed: 10/22/2007

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 40 ft. depth
____ in. to ____ ft. depth
Height Above ☐ Below ☐ Surface ____ ft
Weight ____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20.0
Set Between: 40.0 ft. and 60.0 ft
____ ft. and ____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL 55.0 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 38.0 ft. to 60.0 ft.
Effective size #2 Uniformity Coefficient ____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other ____
Depth: From 0.0 ft. to 35.0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type ____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: ____ Date: 10/22/2007
Well Driller

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

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

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies (last) _____ (first)
Address: 10 South Cardinal Drive PO Box 3227
City: Wilmington State: NC Zip: 28405-327
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop #28
Street Address: 717 North Greenwood Avenue
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-18

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

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
See attached for detailed lithology	60	60
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-20877

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

9. WELL DEPTH (completed) 60 ft. Date Started: 10/21/2007 Date Completed: 10/22/2007

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

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20.0
Set Between: 40.0 ft. and 60.0 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL 55.0 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 38.0 ft. to 60.0 ft.
Effective size #2 Uniformity Coefficient _____

16. **WELL GROUTED?** ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0.0 ft. to 35.0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A B C D ☒ ☐ ☐ ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 10/22/2007
Well Driller

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

DHEC
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies (last) (first)
Address: 10 South Cardinal Drive PO Box 3227
City: Wilmington State: NC Zip: 28405-327
Telephone. Work: Home:

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop #28
Street Address: 717 North Greenwood Avenue
City: Ware Shoals State: SC Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER: MW-19

4. ABANDONIMENT: ☐ Yes ☐ No
Grouted Depth: from ____ ft. to ____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
See attached for detailed lithology	60	60
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-20877

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

9. WELL DEPTH (completed) 60 ft. Date Started: 10/21/2007 Date Completed: 10/22/2007

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 40 ft. depth
____ in. to ____ ft. depth
Height Above ☐ Below ☐ Surface ____ ft
Weight ____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20.0
Set Between: 40.0 ft. and 60.0 ft
____ ft. and ____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL 55.0 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 38.0 ft. to 60.0 ft.
Effective size #2 Uniformity Coefficient ____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other ____
Depth: From 0.0 ft. to 35.0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type ____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A B C D ☒ ☐ ☐ ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: ____ Date: 10/22/2007
Well Driller

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

DHEC 1903 (07/2003) COPY I 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

DHEC — PROMOTE PROTECT PROSPER — South Carolina Department of Health and Environmental Control

1. WELL OWNER INFORMATION:
Name: Worsley Companies (last) (first)
Address: 10 South Cardinal Drive PO Box 3227
City: Wilmington State: NC Zip: 28405-327
Telephone. Work: Home:

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop #28
Street Address: 717 North Greenwood Avenue
City: Ware Shoals State: SC Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER: MW-20

4. ABANDONIMENT: ☐ Yes ☐ No
Grouted Depth: from ____ ft. to ____ ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
See attached for detailed lithology	60	60
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

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

7. PERMIT NUMBER: UMW-20877

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

9. WELL DEPTH (completed) 60 ft. Date Started: 10/21/2007 Date Completed: 10/22/2007

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 40 ft. depth
____ in. to ____ ft. depth
Height Above ☐ Below ☐ Surface ____ ft
Weight ____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20.0
Set Between: 40.0 ft. and 60.0 ft
____ ft. and ____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL 55.0 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 38.0 ft. to 60.0 ft.
Effective size #2 Uniformity Coefficient ____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other ____
Depth: From 0.0 ft. to 35.0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type ____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A B C D ☒ ☐ ☐ ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.
Signed: ____ Date: 10/22/2007
Well Driller
If D Level Driller, provide supervising driller's name:

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

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies (last) (first)
Address: 10 South Cardinal Drive PO Box 3227
City: Wilmington State: NC Zip: 28405-327
Telephone. Work: Home:

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop #28
Street Address: 717 North Greenwood Avenue
City: Ware Shoals State: SC Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER: TW-2

4. ABANDONIMENT: ☐ Yes ☐ No
Grouted Depth: from ft. to ft.

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
See attached for detailed lithology	81	81
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW-20877

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

9. WELL DEPTH (completed) Date Started: 10/21/2007
81 ft. Date Completed: 10/22/2007

10. CASING: ☒ Threaded ☐ Welded
Diam.: 6"; 2"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
6 in. to 65 ft. depth
2 in. to 76 ft. depth
Height Above ☐ Below ☐ Surface ft
Weight lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 5.0
Set Between: 76 ft. and 81 ft
ft. and ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL 57 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 74 ft. to 81 ft.
Effective size #2 Uniformity Coefficient

16. **WELL GROUTED?** ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other
Depth: From 0 ft. to 65 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft. direction
Type
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A B C D ☒ ☐ ☐ ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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: 10/22/2007

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

CYPRESS BAY℠ GEOLOGICAL
262 Geology Lane
Walterboro, South Carolina 29488
email: jpeurifoy@cypressbay.com
www.cypressbay.com
Office: 843.538.4017
Fax: 866.466.5658
Mobile: 843.908.5050
Pager: 843.908.5050

FIELD BORING LOG

Site:	Corner Stop 28			Boring Number:	MW-17
Client:	Worsley Companies			Date:	10/27/07
Rig:	Drill	Drill Method:	Air Hammer	Driller/Crew:	Jim Peorifoy
Drill Start:		Drill End:		GW Level/Time:	

Depth	Description	SPT Blows	Comments
0 - 8 ft	Orange silty clay		
8 - 60 ft	Orangish grey rock with silt and clay		Terminated at 60 ft.

Form BL-1v1/2006

CYPRESS BAY℠ GEOLOGICAL
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Walterboro, South Carolina 29488
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www.cypressbay.com
Office: 843.538.4017
Fax: 866.466.5658
Mobile: 843.908.5050
Pager: 843.908.5050

FIELD BORING LOG

Site:	Corner Stop 28			Boring Number:	MW-18
Client:	Worsley Companies			Date:	10/27/07
Rig:	Drill	Drill Method:	Air Hammer	Driller/Crew:	Jim Peorifoy
Drill Start:		Drill End:		GW Level/Time:	

Depth	Description	SPT Blows	Comments
0 - 8 ft	Orange silty clay		
8 - 60 ft	Orangish grey rock with silt and clay		Terminated at 60 ft.

Form BL-1v1/2006

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FIELD BORING LOG

Site:	Corner Stop 28			Boring Number:	MW-19
Client:	Worsley Companies			Date:	10/27/07
Rig:	Drill	Drill Method:	Air Hammer	Driller/Crew:	Jim Peorifoy
Drill Start:		Drill End:		GW Level/Time:	

Depth	Description	SPT Blows	Comments
0 - 8 ft	Orange silty clay		
8 - 60 ft	Orangish grey rock with silt and clay		Terminated at 60 ft.

Form BL-1v1/2006

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FIELD BORING LOG

Site:	Corner Stop 28			Boring Number:	MW-20
Client:	Worsley Companies			Date:	10/27/07
Rig:	Drill	Drill Method:	Air Hammer	Driller/Crew:	Jim Peorifoy
Drill Start:		Drill End:		GW Level/Time:	

Depth	Description	SPT Blows	Comments
0 - 8 ft	Orange silty clay		
8 - 60 ft	Orangish grey rock with silt and clay		Terminated at 60 ft.

Form BL-1v1/2006

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FIELD BORING LOG

Site:	Corner Stop 28			Boring Number:	TW-2
Client:	Worsley Companies			Date:	10/27/07
Rig:	Drill	Drill Method:	Air Hammer	Driller/Crew:	Jim Peorifoy
Drill Start:		Drill End:		GW Level/Time:	

Depth	Description	SPT Blows	Comments
0 - 8 ft	Orange silty clay		
8 - 81 ft	Orangish grey rock with silt and clay		Terminated at 81 ft.

Form BL-1v1/2006

APPENDIX D

Laboratory Data

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(704)875-9092

November 06, 2007

Mr. Mark Keller
KLM Environmental
PO Box 2704
Goose Creek, SC 29445

RE: Project: CORNER STOP
Pace Project No.: 926458

Dear Mr. Keller:
Enclosed are the analytical results for sample(s) received by the laboratory on October 25, 2007. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

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

Sincerely,

Bonnie McKee

Bonnie McKee

bonnie.mckee@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: CORNER STOP
Pace Project No.: 926458

Charlotte Certification IDs

Florida/NELAP Certification Number: E87627
Kansas Certification Number: E-10364
Louisiana/LELAP Certification Number: 04034
North Carolina Drinking Water Certification Number: 37706
North Carolina Wastewater Certification Number: 12
North Carolina Field Services Certification Number: 5342
South Carolina Certification Number: 990060001
South Carolina Bioassay Certification Number: 990060003
Tennessee Certification Number: 04010
Virginia Certification Number: 00213

Asheville Certification IDs

Florida/NELAP Certification Number: E87648
Louisiana/LELAP Certification Number: 03095
New Jersey Certification Number: NC011
North Carolina Drinking Water Certification Number: 37712
North Carolina Wastewater Certification Number: 40
North Carolina Bioassay Certification Number: 9
Pennsylvania Certification Number: 68-03578
South Carolina Certification Number: 99030001
South Carolina Bioassay Certification Number: 99030002
Tennessee Certification Number: 2980
Virginia Certification Number: 00072

Eden Certification IDs

North Carolina Drinking Water Certification Number: 37738
Virginia Drinking Water Certification Number: 00424
North Carolina Wastewater Certification Number: 633

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ANALYTICAL RESULTS

Project: CORNER STOP
Pace Project No.: 926458

Sample: MW-2 **Lab ID: 926458001** Collected: 10/23/07 12:10 Received: 10/25/07 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromoethane (EDB)	**16.8**	ug/L	1.0	50	10/30/07 00:00	10/31/07 18:17	106-93-4	
1-Chloro-2-bromopropane (S)	0	%	60-140	50	10/30/07 00:00	10/31/07 18:17	301-79-56	S4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	ND	ug/L	5.0	1	10/29/07 17:50	10/30/07 22:13	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Benzene	**2410**	ug/L	1000	200		10/26/07 21:09	71-43-2	
Ethylbenzene	**3340**	ug/L	1000	200		10/26/07 21:09	100-41-4	
Methyl-tert-butyl ether	**7510**	ug/L	1000	200		10/26/07 21:09	1634-04-4	
Naphthalene	**1940**	ug/L	1000	200		10/26/07 21:09	91-20-3	
Toluene	**25900**	ug/L	1000	200		10/26/07 21:09	108-88-3	
m&p-Xylene	**12200**	ug/L	2000	200		10/26/07 21:09	1330-20-7	
o-Xylene	**6150**	ug/L	1000	200		10/26/07 21:09	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109	200		10/26/07 21:09	460-00-4	
Dibromofluoromethane (S)	97	%	85-115	200		10/26/07 21:09	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	79-120	200		10/26/07 21:09	17060-07-0	
Toluene-d8 (S)	98	%	70-120	200		10/26/07 21:09	2037-26-5	

Sample: MW-5 **Lab ID: 926458002** Collected: 10/23/07 12:30 Received: 10/25/07 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromoethane (EDB)	**0.031**	ug/L	0.020	1	10/30/07 00:00	10/31/07 18:27	106-93-4	
1-Chloro-2-bromopropane (S)	94	%	60-140	1	10/30/07 00:00	10/31/07 18:27	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	ND	ug/L	5.0	1	10/29/07 17:50	10/30/07 22:18	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Benzene	**592**	ug/L	25.0	5		10/26/07 20:11	71-43-2	
Ethylbenzene	**70.1**	ug/L	25.0	5		10/26/07 20:11	100-41-4	
Methyl-tert-butyl ether	**425**	ug/L	25.0	5		10/26/07 20:11	1634-04-4	
Naphthalene	**45.4**	ug/L	25.0	5		10/26/07 20:11	91-20-3	
Toluene	**334**	ug/L	25.0	5		10/26/07 20:11	108-88-3	
m&p-Xylene	**318**	ug/L	50.0	5		10/26/07 20:11	1330-20-7	
o-Xylene	**126**	ug/L	25.0	5		10/26/07 20:11	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109	5		10/26/07 20:11	460-00-4	
Dibromofluoromethane (S)	95	%	85-115	5		10/26/07 20:11	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	79-120	5		10/26/07 20:11	17060-07-0	
Toluene-d8 (S)	98	%	70-120	5		10/26/07 20:11	2037-26-5	

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ANALYTICAL RESULTS

Project: CORNER STOP
Pace Project No.: 926458

Sample: MW-9 **Lab ID: 926458003** Collected: 10/23/07 12:50 Received: 10/25/07 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	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	1	10/30/07 00:00	10/31/07 05:40	106-93-4	
1-Chloro-2-bromopropane (S)	105	%	60-140	1	10/30/07 00:00	10/31/07 05:40	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	ND	ug/L	5.0	1	10/29/07 17:50	10/30/07 22:21	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/26/07 13:28	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		10/26/07 13:28	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		10/26/07 13:28	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		10/26/07 13:28	91-20-3	
Toluene	**5.2**	ug/L	5.0	1		10/26/07 13:28	108-88-3	
m&p-Xylene	ND	ug/L	10.0	1		10/26/07 13:28	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		10/26/07 13:28	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109	1		10/26/07 13:28	460-00-4	
Dibromofluoromethane (S)	97	%	85-115	1		10/26/07 13:28	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	79-120	1		10/26/07 13:28	17060-07-0	
Toluene-d8 (S)	97	%	70-120	1		10/26/07 13:28	2037-26-5	

Sample: MW-10 **Lab ID: 926458004** Collected: 10/23/07 12:20 Received: 10/25/07 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	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	1	10/30/07 00:00	10/31/07 05:50	106-93-4	
1-Chloro-2-bromopropane (S)	105	%	60-140	1	10/30/07 00:00	10/31/07 05:50	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	ND	ug/L	5.0	1	10/29/07 17:50	10/30/07 22:25	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/26/07 13:46	71-43-2	
Ethylbenzene	**6.7**	ug/L	5.0	1		10/26/07 13:46	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		10/26/07 13:46	1634-04-4	
Naphthalene	**11.7**	ug/L	5.0	1		10/26/07 13:46	91-20-3	
Toluene	**19.4**	ug/L	5.0	1		10/26/07 13:46	108-88-3	
m&p-Xylene	**28.8**	ug/L	10.0	1		10/26/07 13:46	1330-20-7	
o-Xylene	**14.5**	ug/L	5.0	1		10/26/07 13:46	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109	1		10/26/07 13:46	460-00-4	
Dibromofluoromethane (S)	98	%	85-115	1		10/26/07 13:46	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	79-120	1		10/26/07 13:46	17060-07-0	
Toluene-d8 (S)	99	%	70-120	1		10/26/07 13:46	2037-26-5	

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ANALYTICAL RESULTS

Project: CORNER STOP
Pace Project No.: 926458

Sample: MW-13 **Lab ID: 926458005** Collected: 10/23/07 13:00 Received: 10/25/07 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	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	1	10/30/07 00:00	10/31/07 05:59	106-93-4	
1-Chloro-2-bromopropane (S)	98	%	60-140	1	10/30/07 00:00	10/31/07 05:59	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	ND	ug/L	5.0	1	10/29/07 17:50	10/30/07 22:29	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/26/07 14:03	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		10/26/07 14:03	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		10/26/07 14:03	1634-04-4	
Naphthalene	**6.3**	ug/L	5.0	1		10/26/07 14:03	91-20-3	
Toluene	**7.4**	ug/L	5.0	1		10/26/07 14:03	108-88-3	
m&p-Xylene	ND	ug/L	10.0	1		10/26/07 14:03	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		10/26/07 14:03	95-47-6	
4-Bromofluorobenzene (S)	96	%	87-109	1		10/26/07 14:03	460-00-4	
Dibromofluoromethane (S)	98	%	85-115	1		10/26/07 14:03	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	79-120	1		10/26/07 14:03	17060-07-0	
Toluene-d8 (S)	98	%	70-120	1		10/26/07 14:03	2037-26-5	

Sample: MW-14 **Lab ID: 926458006** Collected: 10/23/07 13:10 Received: 10/25/07 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	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	1	10/30/07 00:00	10/31/07 06:08	106-93-4	
1-Chloro-2-bromopropane (S)	104	%	60-140	1	10/30/07 00:00	10/31/07 06:08	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	**22.5**	ug/L	5.0	1	10/30/07 16:20	10/31/07 18:01	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/26/07 14:21	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		10/26/07 14:21	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		10/26/07 14:21	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		10/26/07 14:21	91-20-3	
Toluene	ND	ug/L	5.0	1		10/26/07 14:21	108-88-3	
m&p-Xylene	ND	ug/L	10.0	1		10/26/07 14:21	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		10/26/07 14:21	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109	1		10/26/07 14:21	460-00-4	
Dibromofluoromethane (S)	95	%	85-115	1		10/26/07 14:21	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	79-120	1		10/26/07 14:21	17060-07-0	
Toluene-d8 (S)	98	%	70-120	1		10/26/07 14:21	2037-26-5	

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ANALYTICAL RESULTS

Project: CORNER STOP
Pace Project No.: 926458

Sample: MW-16 **Lab ID: 926458007** Collected: 10/23/07 12:40 Received: 10/25/07 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	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	1	10/30/07 00:00	10/31/07 06:17	106-93-4	
1-Chloro-2-bromopropane (S)	104	%	60-140	1	10/30/07 00:00	10/31/07 06:17	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	**10.2**	ug/L	5.0	1	10/30/07 16:20	10/31/07 18:05	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/26/07 14:38	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		10/26/07 14:38	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		10/26/07 14:38	1634-04-4	
Naphthalene	**5.7**	ug/L	5.0	1		10/26/07 14:38	91-20-3	
Toluene	**9.3**	ug/L	5.0	1		10/26/07 14:38	108-88-3	
m&p-Xylene	**13.0**	ug/L	10.0	1		10/26/07 14:38	1330-20-7	
o-Xylene	**7.2**	ug/L	5.0	1		10/26/07 14:38	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109	1		10/26/07 14:38	460-00-4	
Dibromofluoromethane (S)	99	%	85-115	1		10/26/07 14:38	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	79-120	1		10/26/07 14:38	17060-07-0	
Toluene-d8 (S)	97	%	70-120	1		10/26/07 14:38	2037-26-5	

Sample: MW-17 **Lab ID: 926458008** Collected: 10/23/07 15:15 Received: 10/25/07 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromoethane (EDB)	**24.6**	ug/L	1.0	50	10/30/07 00:00	10/31/07 18:36	106-93-4	
1-Chloro-2-bromopropane (S)	0	%	60-140	50	10/30/07 00:00	10/31/07 18:36	301-79-56	S4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	**55.6**	ug/L	5.0	1	10/30/07 16:20	10/31/07 18:09	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Benzene	**2610**	ug/L	500	100		10/26/07 21:43	71-43-2	
Ethylbenzene	**912**	ug/L	500	100		10/26/07 21:43	100-41-4	
Methyl-tert-butyl ether	**9380**	ug/L	500	100		10/26/07 21:43	1634-04-4	
Naphthalene	ND	ug/L	500	100		10/26/07 21:43	91-20-3	
Toluene	**7400**	ug/L	500	100		10/26/07 21:43	108-88-3	
m&p-Xylene	**4170**	ug/L	1000	100		10/26/07 21:43	1330-20-7	
o-Xylene	**2160**	ug/L	500	100		10/26/07 21:43	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109	100		10/26/07 21:43	460-00-4	
Dibromofluoromethane (S)	95	%	85-115	100		10/26/07 21:43	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	79-120	100		10/26/07 21:43	17060-07-0	
Toluene-d8 (S)	98	%	70-120	100		10/26/07 21:43	2037-26-5	

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ANALYTICAL RESULTS

Project: CORNER STOP
Pace Project No.: 926458

Sample: MW-18 **Lab ID: 926458009** Collected: 10/23/07 14:45 Received: 10/25/07 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromoethane (EDB)	**0.88**	ug/L	0.040	2	10/30/07 00:00	10/31/07 18:45	106-93-4	
1-Chloro-2-bromopropane (S)	0	%	60-140	2	10/30/07 00:00	10/31/07 18:45	301-79-56	S4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	**36.1**	ug/L	5.0	1	10/30/07 16:20	10/31/07 18:14	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Benzene	**2180**	ug/L	250	50		10/26/07 19:11	71-43-2	
Ethylbenzene	**3410**	ug/L	250	50		10/26/07 19:11	100-41-4	
Methyl-tert-butyl ether	**1030**	ug/L	250	50		10/26/07 19:11	1634-04-4	
Naphthalene	**830**	ug/L	250	50		10/26/07 19:11	91-20-3	
Toluene	**20000**	ug/L	1250	250		10/28/07 09:52	108-88-3	
m&p-Xylene	**12400**	ug/L	500	50		10/26/07 19:11	1330-20-7	
o-Xylene	**7480**	ug/L	250	50		10/26/07 19:11	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109	50		10/26/07 19:11	460-00-4	
Dibromofluoromethane (S)	97	%	85-115	50		10/26/07 19:11	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	79-120	50		10/26/07 19:11	17060-07-0	
Toluene-d8 (S)	98	%	70-120	50		10/26/07 19:11	2037-26-5	

Sample: MW-19 **Lab ID: 926458010** Collected: 10/23/07 15:00 Received: 10/25/07 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromoethane (EDB)	**16.4**	ug/L	2.0	100	10/30/07 00:00	10/31/07 18:55	106-93-4	
1-Chloro-2-bromopropane (S)	0	%	60-140	100	10/30/07 00:00	10/31/07 18:55	301-79-56	S4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	**35.5**	ug/L	5.0	1	10/30/07 16:20	10/31/07 18:18	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Benzene	**9840**	ug/L	1250	250		10/26/07 21:26	71-43-2	
Ethylbenzene	**5260**	ug/L	1250	250		10/26/07 21:26	100-41-4	
Methyl-tert-butyl ether	**18500**	ug/L	1250	250		10/26/07 21:26	1634-04-4	
Naphthalene	**1660**	ug/L	1250	250		10/26/07 21:26	91-20-3	
Toluene	**47600**	ug/L	1250	250		10/26/07 21:26	108-88-3	
m&p-Xylene	**18600**	ug/L	2500	250		10/26/07 21:26	1330-20-7	
o-Xylene	**9200**	ug/L	1250	250		10/26/07 21:26	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109	250		10/26/07 21:26	460-00-4	
Dibromofluoromethane (S)	97	%	85-115	250		10/26/07 21:26	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	79-120	250		10/26/07 21:26	17060-07-0	
Toluene-d8 (S)	98	%	70-120	250		10/26/07 21:26	2037-26-5	

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ANALYTICAL RESULTS

Project: CORNER STOP
Pace Project No.: 926458

Sample: MW-20 **Lab ID: 926458011** Collected: 10/23/07 14:10 Received: 10/25/07 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	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	1	10/30/07 00:00	10/31/07 08:09	106-93-4	
1-Chloro-2-bromopropane (S)	97	%	60-140	1	10/30/07 00:00	10/31/07 08:09	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	**22.2**	ug/L	5.0	1	10/30/07 16:20	10/31/07 18:23	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/26/07 14:56	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		10/26/07 14:56	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		10/26/07 14:56	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		10/26/07 14:56	91-20-3	
Toluene	ND	ug/L	5.0	1		10/26/07 14:56	108-88-3	
m&p-Xylene	ND	ug/L	10.0	1		10/26/07 14:56	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		10/26/07 14:56	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109	1		10/26/07 14:56	460-00-4	
Dibromofluoromethane (S)	96	%	85-115	1		10/26/07 14:56	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	79-120	1		10/26/07 14:56	17060-07-0	
Toluene-d8 (S)	96	%	70-120	1		10/26/07 14:56	2037-26-5	

Sample: TW-1 **Lab ID: 926458012** Collected: 10/23/07 14:30 Received: 10/25/07 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromoethane (EDB)	**0.10**	ug/L	0.020	1	10/30/07 00:00	10/31/07 19:13	106-93-4	
1-Chloro-2-bromopropane (S)	107	%	60-140	1	10/30/07 00:00	10/31/07 19:13	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	**34.5**	ug/L	5.0	1	10/30/07 16:20	10/31/07 18:35	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	25.0	5		10/28/07 12:11	71-43-2	
Ethylbenzene	ND	ug/L	25.0	5		10/28/07 12:11	100-41-4	
Methyl-tert-butyl ether	**655**	ug/L	25.0	5		10/28/07 12:11	1634-04-4	
Naphthalene	ND	ug/L	25.0	5		10/28/07 12:11	91-20-3	
Toluene	**44.7**	ug/L	25.0	5		10/28/07 12:11	108-88-3	
m&p-Xylene	ND	ug/L	50.0	5		10/28/07 12:11	1330-20-7	
o-Xylene	ND	ug/L	25.0	5		10/28/07 12:11	95-47-6	
4-Bromofluorobenzene (S)	95	%	87-109	5		10/28/07 12:11	460-00-4	
Dibromofluoromethane (S)	98	%	85-115	5		10/28/07 12:11	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	79-120	5		10/28/07 12:11	17060-07-0	
Toluene-d8 (S)	98	%	70-120	5		10/28/07 12:11	2037-26-5	

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ANALYTICAL RESULTS

Project: CORNER STOP
Pace Project No.: 926458

Sample: TW-2 **Lab ID: 926458013** Collected: 10/23/07 14:00 Received: 10/25/07 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	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	1	10/30/07 00:00	10/31/07 08:27	106-93-4	
1-Chloro-2-bromopropane (S)	106	%	60-140	1	10/30/07 00:00	10/31/07 08:27	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	ND	ug/L	5.0	1	10/30/07 16:20	10/31/07 18:39	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/26/07 15:13	71-43-2	
Ethylbenzene	**9.9**	ug/L	5.0	1		10/26/07 15:13	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		10/26/07 15:13	1634-04-4	
Naphthalene	**6.9**	ug/L	5.0	1		10/26/07 15:13	91-20-3	
Toluene	**33.2**	ug/L	5.0	1		10/26/07 15:13	108-88-3	
m&p-Xylene	**35.8**	ug/L	10.0	1		10/26/07 15:13	1330-20-7	
o-Xylene	**16.7**	ug/L	5.0	1		10/26/07 15:13	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109	1		10/26/07 15:13	460-00-4	
Dibromofluoromethane (S)	98	%	85-115	1		10/26/07 15:13	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	79-120	1		10/26/07 15:13	17060-07-0	
Toluene-d8 (S)	98	%	70-120	1		10/26/07 15:13	2037-26-5	

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QUALITY CONTROL DATA

Project: CORNER STOP
Pace Project No.: 926458

QC Batch: MSV/1635 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV

Associated Lab Samples: 926458001, 926458002, 926458003, 926458004, 926458005, 926458006, 926458007, 926458008, 926458009, 926458010, 926458011, 926458012, 926458013

METHOD BLANK: 32858

Associated Lab Samples: 926458001, 926458002, 926458003, 926458004, 926458005, 926458006, 926458007, 926458008, 926458009, 926458010, 926458011, 926458012, 926458013

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Benzene	ug/L	ND	5.0	
Ethylbenzene	ug/L	ND	5.0	
m&p-Xylene	ug/L	ND	10.0	
Methyl-tert-butyl ether	ug/L	ND	5.0	
Naphthalene	ug/L	ND	5.0	
o-Xylene	ug/L	ND	5.0	
Toluene	ug/L	ND	5.0	
1,2-Dichloroethane-d4 (S)	%	102	79-120	
4-Bromofluorobenzene (S)	%	97	87-109	
Dibromofluoromethane (S)	%	96	85-115	
Toluene-d8 (S)	%	98	70-120	

LABORATORY CONTROL SAMPLE: 32859

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	48.6	97	78-128	
Ethylbenzene	ug/L	50	51.4	103	80-127	
m&p-Xylene	ug/L	100	102	102	82-127	
Methyl-tert-butyl ether	ug/L	50	49.0	98	71-130	
Naphthalene	ug/L	50	62.7	125	52-136	
o-Xylene	ug/L	50	49.7	99	83-124	
Toluene	ug/L	50	48.0	96	76-126	
1,2-Dichloroethane-d4 (S)	%			104	79-120	
4-Bromofluorobenzene (S)	%			99	87-109	
Dibromofluoromethane (S)	%			101	85-115	
Toluene-d8 (S)	%			99	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 32860 32861

Parameter	Units	926458004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Benzene	ug/L	ND	50	50	53.4	53.7	103	104	74-136	.5	
Toluene	ug/L	19.4	50	50	68.2	68.4	97	98	73-131	.3	
1,2-Dichloroethane-d4 (S)	%						110	107	79-120		
4-Bromofluorobenzene (S)	%						98	100	87-109		
Dibromofluoromethane (S)	%						99	97	85-115		
Toluene-d8 (S)	%						98	98	70-120		

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QUALITY CONTROL DATA

Project: CORNER STOP
Pace Project No.: 926458

QC Batch: MPRP/1369 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 926458001, 926458002, 926458003, 926458004, 926458005

METHOD BLANK: 33570
Associated Lab Samples: 926458001, 926458002, 926458003, 926458004, 926458005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Lead	ug/L	ND	5.0	

LABORATORY CONTROL SAMPLE: 33571

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	457	91	80-120	

MATRIX SPIKE SAMPLE: 33572

Parameter	Units	926470017 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	ND	500	451	90	75-125	

SAMPLE DUPLICATE: 33573

Parameter	Units	926470018 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	32.7	31.4	4	

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QUALITY CONTROL DATA

Project: CORNER STOP
Pace Project No.: 926458

QC Batch: OEXT/1605 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 926458001, 926458002, 926458003, 926458004, 926458005, 926458006, 926458007, 926458008

METHOD BLANK: 33995
Associated Lab Samples: 926458001, 926458002, 926458003, 926458004, 926458005, 926458006, 926458007, 926458008

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	
1-Chloro-2-bromopropane (S)	%	95	60-140	

LABORATORY CONTROL SAMPLE & LCSD: 33996 33997

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.29	0.32	0.31	112	110	60-140	2	20	
1-Chloro-2-bromopropane (S)	%				106	99	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 33998 33999

Parameter	Units	926605028 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	.29	.29	0.34	0.35	120	122	60-140	2	
1-Chloro-2-bromopropane (S)	%						107	108	60-140		

SAMPLE DUPLICATE: 34000

Parameter	Units	926605029 Result	Dup Result	RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND	0	
1-Chloro-2-bromopropane (S)	%		99	1	

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QUALITY CONTROL DATA

Project: CORNER STOP
Pace Project No.: 926458

QC Batch: MPRP/1379 — Analysis Method: EPA 6010
QC Batch Method: EPA 3010 — Analysis Description: 6010 MET
Associated Lab Samples: 926458006, 926458007, 926458008, 926458009, 926458010, 926458011, 926458012, 926458013

METHOD BLANK: 34176
Associated Lab Samples: 926458006, 926458007, 926458008, 926458009, 926458010, 926458011, 926458012, 926458013

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Lead	ug/L	ND	5.0	

LABORATORY CONTROL SAMPLE: 34177

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	449	90	80-120	

MATRIX SPIKE SAMPLE: 34178

Parameter	Units	926531012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	7.3	500	415	82	75-125	

SAMPLE DUPLICATE: 34179

Parameter	Units	926531013 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	ND	ND	200	

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QUALITY CONTROL DATA

Project: CORNER STOP
Pace Project No.: 926458

QC Batch: OEXT/1611 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 926458009, 926458010, 926458011, 926458012, 926458013

METHOD BLANK: 34213
Associated Lab Samples: 926458009, 926458010, 926458011, 926458012, 926458013

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	
1-Chloro-2-bromopropane (S)	%	101	60-140	

LABORATORY CONTROL SAMPLE & LCSD: 34214 34215

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.29	0.34	0.31	120	110	60-140	9	20	
1-Chloro-2-bromopropane (S)	%				108	102	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 34216 34217

Parameter	Units	926458009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	0.88	.29	.29	1.6	1.6	242	250	60-140	1	1g
1-Chloro-2-bromopropane (S)	%						105	108	60-140		

SAMPLE DUPLICATE: 34218

Parameter	Units	926458010 Result	Dup Result	RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	16.4	16.9	3	
1-Chloro-2-bromopropane (S)	%		0	0	S4

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QUALIFIERS

Project: CORNER STOP
Pace Project No.: 926458

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

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ANALYTE QUALIFIERS

S4	Surrogate recovery not evaluated against control limits due to sample dilution.
1g	The spike recovery was outside acceptance limits for the MS and/or MSD due to an analyte concentration in the sample at four times greater than the spike concentration. The QC batch was accepted based upon LCS and/or LCSD recoveries within acceptance limits.

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www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 2

1068290

Section A Required Client Information:

Company: KLM Env.
Address: PO Box 2704
Goose Creek SC 29445
Email To: mkeller131@comcast.net
Phone: 843 8704285 Fax: 843 797 1893
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Mark Keller
Copy To:
Purchase Order No.:
Project Name: Corner Stop
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: BKM
Pace Profile #: 824-5

REGULATORY AGENCY

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

Site Location STATE: SC

Section D Required Client Information

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

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW WT
WATER	WW P
WASTE WATER	SL
PRODUCT	OL
SOIL/SOLID	WP
OIL	AR
WIPE	OT
AIR	TS
OTHER	
TISSUE	

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	BTEX, Naph, MTBE	EDB	Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-2	WW	G	10/23/07			1210		7										X	X	X		9260458
2	MW-5						1230																9260458001
3	MW-9						1250																
4	MW-10						1220																
5	MW-13						1300																
6	MW-14						1310																
7	MW-16						1240																
8	MW-17						1515																
9	MW-18						1445																
10	MW-19						1500																
11	MW-20						1410																
12	TW-1	X	X				1430		X										X	X	X		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature]	10/24/07	1700	[signature]	10/25	1100	36	Y	N	Y

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Micah Bennett
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 10/23/07

ORIGINAL

*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.06, 2-Feb-2007

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www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

1139846

Section A Required Client Information:

Company: KLM Env.
Address: Po Box 2704
Goose Creek SC 29445
Email To: mkeller131@comcast.net
Phone: 843 870 4285 Fax: 843 797 1893
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Mark Keller
Copy To:
Purchase Order No.:
Project Name: Corner Stop
Project Number:

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: SC

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): 15Tex MP MTBE	EDB	Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	TW-2	WW	G	10/23/07			1400		7									Y	Y	Y		926458 13
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature]	10/24/07	1700	[signature]	10/25	010	3.6	Y	N	U

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Mick Bennett

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10/23/07

*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.

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 10/23/07
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 2

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 55 ft.
Depth to GW (DWG) 43.41 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1208							
pH (s.u.)	6.60							
Specific Cond. (mS/cm)	.336							
Water Temp (°C)	22.7							
Turbidity (*)	113							
OVA Readings	–							
Salinity	–							
Dissolved Oxygen	.44							

Remarks: 1210

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 10/23/07
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba — Conductivity Meter: Horiba
serial no. — serial no.
pH=4.0 Internal — Standard Internal
pH=7.0 Internal — Standard Internal
pH=10.0 Internal — Standard Internal

Chain of Custody

Relinquished by — Date/Time — Received by — Date/Time

Well # MW- 5

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 46.40 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1225							
pH (s.u.)	5.69							
Specific Cond. (mS/cm)	.127							
Water Temp (°C)	22.6							
Turbidity (*)	72							
OVA Readings	—							
Salinity	—							
Dissolved Oxygen	2.85							

Remarks: 1230

serverCadmin/ODHECfieldsheet/doc

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 10/23/07
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 9

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 41.84 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1247							
pH (s.u.)	5.57							
Specific Cond. (mS/cm)	.127							
Water Temp (°C)	21.2							
Turbidity (*)	138							
OVA Readings	—							
Salinity	—							
Dissolved Oxygen	1.73							

Remarks: 1250

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 10/23/07
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 10

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 34.95 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1217							
pH (s.u.)	5.57							
Specific Cond. (mS/cm)	.149							
Water Temp (°C)	21.6							
Turbidity (*)	797							
OVA Readings	–							
Salinity	–							
Dissolved Oxygen	3.0							

Remarks: 1220

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 10/23/07
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 13

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 41.28 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1256							
pH (s.u.)	5.25							
Specific Cond. (mS/cm)	.113							
Water Temp (°C)	21.6							
Turbidity (*)	19							
OVA Readings	–							
Salinity	–							
Dissolved Oxygen	1.69							

Remarks:

1300

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 10/23/07
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # **MW-** 14

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 5.62 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1307							
pH (s.u.)	5.30							
Specific Cond. (mS/cm)	.079							
Water Temp (°C)	21.0							
Turbidity (*)	999							
OVA Readings	—							
Salinity	—							
Dissolved Oxygen	1.71							

Remarks: 1310

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 10/23/07
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 16

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 52.35 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	–							
Time (military)	1237							
pH (s.u.)	5.60							
Specific Cond. (mS/cm)	.090							
Water Temp (°C)	21.5							
Turbidity (*)	999							
OVA Readings	–							
Salinity	–							
Dissolved Oxygen	~~3.7~~ 2.78							

Remarks: 1240

server C/admin/DHEC/field data sht/doc.

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 10/23/07
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 17

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 41.72 ft.

Length of Water Column (LWC=TWD-DGW) 18.28 ft.

1 Csg. Volume (LWC*C)= _____ x .163 = 2.97 gals.
3 Csg. Volumes = 3 x _____ = 8.93 gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	3.0	6.0	9.0					
Time (military)	1509	1511	1513					
pH (s.u.)	6.16	6.31	6.41					
Specific Cond. (mS/cm)	.251	.305	.324					
Water Temp (°C)	22.1	21.4	21.2					
Turbidity (*)	999	999	999					
OVA Readings	–	–	–					
Salinity	–	–	–					
Dissolved Oxygen	1.71	0.62	0.67					

Remarks: 1515

Dry @ 9.0

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 10/23/07
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Well # MW- 18

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 55.38 ft.

Length of Water Column (LWC=TWD-DGW) 4.62 ft.

1 Csg. Volume (LWC*C)= _____ x .163 = .75 gals.
3 Csg. Volumes = 3 x _____ = 2.25 gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	1.00							
Time (military)	1440							
pH (s.u.)	5.95							
Specific Cond. (mS/cm)	.230							
Water Temp (°C)	22.5							
Turbidity (*)	999							
OVA Readings	—							
Salinity	—							
Dissolved Oxygen	1.04							

Remarks: 1445 Dry @ 1.0 gallon

serverC/admin/DHEC/Fielddatash/doc

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 10/23/07
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 19

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 56.62 ft.

Length of Water Column (LWC=TWD-DGW) 3.38 ft.

1 Csg. Volume (LWC*C)= _____ x .163 = .55 gals.
3 Csg. Volumes = 3 x _____ = 1.65 gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	0.5							
Time (military)	1453							
pH (s.u.)	5.66							
Specific Cond. (mS/cm)	0.124							
Water Temp (°C)	21.6							
Turbidity (*)	537							
OVA Readings	-							
Salinity	-							
Dissolved Oxygen	0.59							

Remarks: 1500 Dry @ 0.75 gallons

server:C/admin/OHE/Fielddatasht/doc.

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 10/23/07
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW-20

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 50.56 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = 1.63 gals.
3 Csg. Volumes = 3 x _____ = 4.89 gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling 5.0 gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	1.50	3.5	5.0					
Time (military)	1404	1406	1408					
pH (s.u.)	5.21	5.29	5.07					
Specific Cond. (mS/cm)	.082	.088	.086					
Water Temp (°C)	19.9	19.9	20.1					
Turbidity (*)	999	713 ~~99~~	903					
OVA Readings	–	–	–					
Salinity	–	–	–					
Dissolved Oxygen	~~2~~ 1.55	1.53	1.59					

Remarks: 1410

server0/admin/DHEC/fielddata/fi/doo.

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 10/23/07
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW-TW-1

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 81 ft.
Depth to GW (DWG) 53.42 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling 10.00 gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5	10						
Time (military)	1416	1421						
pH (s.u.)	6.21	7.22						
Specific Cond. (mS/cm)	.294	.295						
Water Temp (°C)	21.4	21.3						
Turbidity (*)	66	365						
OVA Readings	–	–						
Salinity	–	–						
Dissolved Oxygen	0.80	.57						

Remarks: 1430 Dry @ 10 gallons

server/C/admin/DHEC/fielddatasht/doc

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 10/23/07
Field Personnel J. Boots and M. Bennett
General Weather Condition Sunny
Ambient Air Temperature 85 °F
Facility Name Cornerstop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Well # MW- TW-2

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 81.00 ft.
Depth to GW (DWG) 51.04 ft.

Length of Water Column (LWC=TWD-DGW) 30.04 ft.

1 Csg. Volume (LWC*C)= _____ x .163 = 4.89 gals.
3 Csg. Volumes = 3 x _____ = 14.6 gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling 15 gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5.0	10	15					
Time (military)	1345	1349	1352					
pH (s.u.)	5.64	5.67	5.60					
Specific Cond. (mS/cm)	.078	.069	.068					
Water Temp (°C)	20.3	19.7	19.6					
Turbidity (*)	119	85	27					
OVA Readings	—	—	—					
Salinity	—	—	—					
Dissolved Oxygen	3.09	3.01	3.08					

Remarks: 1400

APPENDIX E

Disposal Manifest

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CESQG

2. Page 1 of 1

3. Emergency Response Phone: 843-797-1893

4. Waste Tracking Number:

5. Generator's Name and Mailing Address
CORNER STOP
717 N. GREENWOOD AVE
WARESHOALS, SC 29692
Generator's Phone: 843-797-1893

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Maumee Express Inc.
U.S. EPA ID Number: NJD986607380

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
ABM-AMERICAN BIO MASS
36 CLEARWATER DR.
WALTERBORO, SC 29488
Facility's Phone: 843-893-2580
U.S. EPA ID Number

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. SOIL NON HAZARDOUS/NON REGULATED #ABM-04818	010	DM	550	G
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
NEEDS CD SENT TO US WASTE 24 HR EMERGENCY CONTACT MARK KELLER 843-797-1893 CCS4490

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Crissy Chapman
Signature: Crissy Chapman
Month 10 Day 25 Year 07

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Brian Benoit
Signature:
Month 10 Day 25 Year 7

Transporter 2 Printed/Typed Name
Signature:
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Robert Hogan
Signature:
Month 10 Day 5 Year 07

GENERATOR — INTL — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

DESIGNATED FACILITY TO GENERATOR

D H E C
PROMOTE PROTECT PROSPER
Catherine B. Templeton, Director
Promoting and protecting the health of the public and the environment

KEN WHITE
WORSLEY COMPANIES INC
PO BOX 3227
WILMINGTON NC 28406

FEB 27 2013

UST DOCKETING 30 tech

Re: Corrective Action Options
Corner Stop 28: 717 N Greenwood Ave., Ware Shoals, SC 29692
UST Permit #**05659**
Release reported December 30, 1991
Assessment Report received October 27, 2011
Greenwood County

Dear Mr. White,

The Underground Storage Tank (UST) Management Division (Division) of the South Carolina Department of Health and Environmental Control (Agency) has reviewed the referenced report submitted by KLM Environmental, LLC., on your behalf. The report indicates that active corrective action is necessary at the site to mitigate petroleum impact and ensure that there is no detrimental exposure to human health or the environment.

Funds from the State Underground Petroleum Environmental Response Bank (SUPERB) Account will soon be available for active corrective action. The selected technology must reduce the petroleum chemicals of concern (CoC) concentrations to site-specific target levels (SSTLs) determined by the Division.

The SUPERB Site Rehabilitation and Fund Access Regulations R.61-98 require the UST owner/operator to develop and implement a reasonable, cost-effective corrective action to be performed by an Agency-certified site rehabilitation contractor. As the owner/operator for the release reported on December 30, 1991, you may choose one of two options as to how to proceed with this requirement: state lead or owner/operator lead.

State Lead Option:

- If you choose the state lead option, the Division will procure a certified site rehabilitation contractor to perform corrective action on your behalf. The Agency will enter into an enforceable contract with the awarded contractor. As long as you do not interfere with or prohibit the work at your site, you will not be responsible in the event the state selected contractor does not perform appropriately or does not make satisfactory progress towards achieving the established corrective action goals. To utilize the state lead option, please sign and return the applicable Permission and Right-of-Entry forms within 15 days of the date of this letter.

Owner/Operator Lead Option:

- If you select the owner/operator lead option, you will be required to select a contractor to perform the corrective action. In order to assist you in determining the clean-up technology, time frame, clean-up levels, and associated costs, the Division will prepare a technical specification package and provide you copies to send to contractors of your choice. In addition, the Division will announce the request for solicitations in the South Carolina Business Opportunities, a bi-weekly state government publication, to ensure that an adequate solicitation response is obtained so that a fair and competitive price can be established. This announcement will clearly indicate that you will select the contractor to implement the corrective action.
- Compensation to the contractor will be from the SUPERB Account, but you may have the obligation to pay your selected contractor for any costs not approved by the Agency.
- The Division strongly suggests that a written contract between you and the selected contractor be developed following the completion of the solicitation process. The parties to this contract would be you and the contractor you choose; the Agency would not be a party to this contract. The Division's function would be to monitor and ensure progress of corrective action activities.
- If the contractor you select does not or cannot complete the required activities, you will be required to find another certified contractor to complete the required activities for the remainder of the existing financial approval amount. No additional funding from the SUPERB Account may be allowed. Under R.61-92, Part 280 of the Underground Storage Tank Control Regulations, you as the owner/operator are ultimately responsible to the Agency for the actions of your contractor. The Agency will pursue enforcement actions against you if the contractor you select does not make satisfactory progress towards achieving established corrective actions goals. To utilize the owner/operator lead option, please sign and return the enclosed Active Corrective Action Options Form within 15 days of the date of this letter.

On all correspondence or inquiries regarding this project, please reference UST Permit **#05659**. If you have any questions, please contact me at (803) 896-6649 or bursonsj@dhec.sc.gov.

Sincerely,

Scott Burson

Scott J. Burson, Hydrogeologist
Corrective Action Section
UST Management Division
Bureau of Land and Waste Management

enc: Permission/Right-of-Entry forms
Active Corrective Action Options form

cc: Technical file (w/o enc)

DHEC/UST/07OptionsForm

D H E C
PROMOTE PROTECT PROSPER
Catherine B. Templeton, Director
Promoting and protecting the health of the public and the environment

DR KENNETH WHITE
WORSLEY COMPANIES INC
PO BOX 3227
WILMINGTON NC 28406

APR 05 2013

UST DOCKETING 31 tech

Re: Corrective Action Options
Corner Stop 28: 717 N Greenwood Ave., Ware Shoals, SC 29692
UST Permit #**05659**
Release reported December 30, 1991
Assessment Report received October 27, 2011
Greenwood County

Dear Dr. White,

The Underground Storage Tank (UST) Management Division (Division) of the South Carolina Department of Health and Environmental Control (Agency) has reviewed the referenced report submitted by KLM Environmental, LLC., on your behalf. The report indicates that active corrective action is necessary at the site to mitigate petroleum impact and ensure that there is no detrimental exposure to human health or the environment.

Funds from the State Underground Petroleum Environmental Response Bank (SUPERB) Account will soon be available for active corrective action. The selected technology must reduce the petroleum chemicals of concern (CoC) concentrations to site-specific target levels (SSTLs) determined by the Division.

The SUPERB Site Rehabilitation and Fund Access Regulations R.61-98 require the UST owner/operator to develop and implement a reasonable, cost-effective corrective action to be performed by an Agency-certified site rehabilitation contractor. As the owner/operator for the release reported on December 30, 1991, you may choose one of two options as to how to proceed with this requirement: state lead or owner/operator lead.

State Lead Option:

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- The Division strongly suggests that a written contract between you and the selected contractor be developed following the completion of the solicitation process. The parties to this contract would be you and the contractor you choose; the Agency would not be a party to this contract. The Division's function would be to monitor and ensure progress of corrective action activities.
- If the contractor you select does not or cannot complete the required activities, you will be required to find another certified contractor to complete the required activities for the remainder of the existing financial approval amount. No additional funding from the SUPERB Account may be allowed. Under R.61-92, Part 280 of the Underground Storage Tank Control Regulations, you as the owner/operator are ultimately responsible to the Agency for the actions of your contractor. The Agency will pursue enforcement actions against you if the contractor you select does not make satisfactory progress towards achieving established corrective actions goals. To utilize the owner/operator lead option, please sign and return the enclosed Active Corrective Action Options Form within 15 days of the date of this letter.

On all correspondence or inquiries regarding this project, please reference UST Permit **#05659**. If you have any questions, please contact me at (803) 896-6649 or bursonsj@dhec.sc.gov.

Sincerely,

Scott J Burson, Hydrogeologist
Corrective Action Section
UST Management Division
Bureau of Land and Waste Management

enc: Permission/Right-of-Entry forms
Active Corrective Action Options form

D H E C
PROMOTE PROTECT PROSPER
Catherine B. Templeton, Director
Promoting and protecting the health of the public and the environment

GRETA STANLEY
WORSLEY COMPANIES INC
123 SHIPYARD BLVD
WILMINGTON NC 28412

APR 24 2013

UST DOCKETING 32Hech

Re: Corrective Action Options
Corner Stop 28: 717 N Greenwood Ave., Ware Shoals, SC 29692
UST Permit #**05659**
Release reported December 30, 1991
Assessment Report received October 27, 2011
Greenwood County

Dear Ms. Stanley,

The Underground Storage Tank (UST) Management Division (Division) of the South Carolina Department of Health and Environmental Control (Agency) has reviewed the referenced report submitted by KLM Environmental, LLC., on your behalf. The report indicates that active corrective action is necessary at the site to mitigate petroleum impact and ensure that there is no detrimental exposure to human health or the environment.

Funds from the State Underground Petroleum Environmental Response Bank (SUPERB) Account will soon be available for active corrective action. The selected technology must reduce the petroleum chemicals of concern (CoC) concentrations to site-specific target levels (SSTLs) determined by the Division.

The SUPERB Site Rehabilitation and Fund Access Regulations R.61-98 require the UST owner/operator to develop and implement a reasonable, cost-effective corrective action to be performed by an Agency-certified site rehabilitation contractor. As the owner/operator for the release reported on December 30, 1991, you may choose one of two options as to how to proceed with this requirement: state lead or owner/operator lead.

State Lead Option:

- If you choose the state lead option, the Division will procure a certified site rehabilitation contractor to perform corrective action on your behalf. The Agency will enter into an enforceable contract with the awarded contractor. As long as you do not interfere with or prohibit the work at your site, you will not be responsible in the event the state selected contractor does not perform appropriately or does not make satisfactory progress towards achieving the established corrective action goals. To utilize the state lead option, please sign and return the applicable Permission and Right-of-Entry forms within 15 days of the date of this letter.

Owner/Operator Lead Option:

- If you select the owner/operator lead option, you will be required to select a contractor to perform the corrective action. In order to assist you in determining the clean-up technology, time frame, clean-up levels, and associated costs, the Division will prepare a technical specification package and provide you copies to send to contractors of your choice. In addition, the Division will announce the request for solicitations in the South Carolina Business Opportunities, a bi-weekly state government publication, to ensure that an adequate solicitation response is obtained so that a fair and competitive price can be established. This announcement will clearly indicate that you will select the contractor to implement the corrective action.
- Compensation to the contractor will be from the SUPERB Account, but you may have the obligation to pay your selected contractor for any costs not approved by the Agency.
- The Division strongly suggests that a written contract between you and the selected contractor be developed following the completion of the solicitation process. The parties to this contract would be you and the contractor you choose; the Agency would not be a party to this contract. The Division's function would be to monitor and ensure progress of corrective action activities.
- If the contractor you select does not or cannot complete the required activities, you will be required to find another certified contractor to complete the required activities for the remainder of the existing financial approval amount. No additional funding from the SUPERB Account may be allowed. Under R.61-92, Part 280 of the Underground Storage Tank Control Regulations, you as the owner/operator are ultimately responsible to the Agency for the actions of your contractor. The Agency will pursue enforcement actions against you if the contractor you select does not make satisfactory progress towards achieving established corrective actions goals. To utilize the owner/operator lead option, please sign and return the enclosed Active Corrective Action Options Form within 15 days of the date of this letter.

On all correspondence or inquiries regarding this project, please reference UST Permit **#05659**. If you have any questions, please contact me at (803) 896-6649 or bursonsj@dhec.sc.gov.

Sincerely,

Scott J Burson, Hydrogeologist
Corrective Action Section
UST Management Division
Bureau of Land and Waste Management

enc: Permission/Right-of-Entry forms
Active Corrective Action Options form

State Lead Option

PERMISSION FORM

UNDERGROUND STORAGE TANK AND PROPERTY OWNER

UST Permit #05659

If you are both the owner of the former or existing underground storage tanks for the release reported on December 30, 1991 and the current property owner, please complete this form.

I, _____, certify that I am the identified legal owner of the underground storage tanks for the release reported on December 30, 1991 and property located at the facility identified below or serve as the authorized representative for the owner. I grant permission to the South Carolina Department of Health and Environmental Control (Agency) to secure on my behalf contractor services to conduct assessment and corrective action activities as required, and authorize the Agency, or a contractor selected by the Agency, to enter this property at reasonable times only to accomplish these site rehabilitation tasks. The contractor(s) will be designated as my contractor for only the required site rehabilitation activities. Compensation to the contractor(s) will be from the SUPERB Account and I will have no obligation to pay the contractor(s). I understand that the Agency or its contractor will be responsible for notifying me of all activities that are necessary prior to their initiation and will promptly provide to me a copy of each environmental report. I understand that I may choose to select my own contractor at the completion of any phase of work by notifying the Division of Underground Storage Tank Management in writing.

Name of Facility CORNER STOP 28 Phone # _____

Street Address of Facility 717 N Greenwood Ave.

Town, City, District, Suburb Ware Shoals

Name of nearest intersecting street, road, highway, alley _____

_____ Is this facility within the city limits? (yes or no) _____

Does a public water or sewer utility service this facility? (yes or no) _____, if no, please provide the name and phone number of a person that we can contact that can assist in the location of private water and septic tank lines _____, phone number _____

Is the property currently leased or rented to someone? (yes or no) _____. If yes, please provide their name _____ and phone number _____ _____ and let them know about the pending site rehabilitation activities. If vehicles or other mobile structures are parked over the monitoring wells, they should be moved before the Agency's contractor arrives at the site.

NAME of UST/property owner (Please Print): _____

Phone Number (home) _____ (work) _____

Signature of UST/property Owner: _____

Witness: _____

Date: _____ Month _____ Day _____ Year

State Lead Option

PERMISSION FORM

UNDERGROUND STORAGE TANK OWNER

UST Permit #05659

If you are the owner of the former or existing underground storage tanks for the release reported on December 30, 1991 or are designated as their authorized representative, but do not own the property, please complete this form.

I, _____ certify that I am the legal owner of the former and/or existing underground storage tank(s) located at the facility identified below and for the release reported on December 30, 1991 or serve as the authorized representative for the UST owner. I grant permission to the South Carolina Department of Health and Environmental Control (Agency) to secure on my behalf services of a contractor to conduct assessment and corrective action activities, as required. The contractor will be designated as my contractor for only the required environmental site rehabilitation activities. Compensation to the contractor will be from the SUPERB Account and I will have no obligation to pay the contractor. I understand that the Agency or its contractor will be responsible for obtaining right-of-entry from the property owner and notifying me of all activities that are necessary prior to their initiation and will promptly provide to me a copy of each environmental report. I understand that I may choose to select my own contractor at the completion of any phase of work by notifying the Division of Underground Storage Tank Management in writing.

Name of Facility CORNER STOP 28 Phone # _____

Street Address of Facility 717 N Greenwood Ave.

Town, City, District, Suburb Ware Shoals

Name of nearest intersecting street, road, highway, alley _____

_____ Is this facility within the city limits? (yes or no) _____

Does a public water or sewer utility service this facility? (yes or no) _____, if no, please provide the name and phone number of a person that we can contact that can assist in the location of private water and septic tank lines _____, phone number _____

NAME of UST owner (Please Print): _____

Phone Number (home) _____ (work) _____

Signature of UST Owner: _____

Witness: _____

Date: _____ Month _____ Day _____ Year

State Lead Option

RIGHT-OF-ENTRY FORM

PROPERTY OWNER

UST Permit **#05659**

If you are the Property Owner or are the authorized representative for that person, but did not own the former or existing underground storage tanks at the time the release was reported, please complete this form.

I, _____, certify that I am the legal owner of the property identified below or serve as the authorized representative for the property owner. I authorize the South Carolina Department of Health and Environmental Control (Agency), or a contractor selected by the Agency, to enter this property at reasonable times only to conduct assessment and corrective action activities, as required. The contractor will be designated as the contractor for the UST owner or operator for only the required environmental site rehabilitation activities. Compensation to the contractor will be from the SUPERB Account and I will have no obligation to pay the contractor. I understand that the Agency or its contractor will notify me of all activities that are necessary prior to their initiation and will promptly provide to me a summary of the data upon request.

Name of Facility CORNER STOP 28 Phone # _____

Street Address of Facility 717 N Greenwood Ave.

Town, City, District, Suburb Ware Shoals

Name of nearest intersecting street, road, highway, alley _____

_____ Is this facility within the city limits? (yes or no) _____

Does a public water or sewer utility service this facility? (yes or no) _____, if no, please provide the name and phone number of a person that we can contact that can assist in the location of private water and septic tank lines _____, phone number _____

Is the property currently leased or rented to someone? (yes or no) _____. If yes, please provide their name _____ and phone number _____ and let them know about the pending site rehabilitation activities. If vehicles or other mobile structures are parked over the monitoring wells, they should be moved before the Agency's contractor arrives at the site.

NAME of Property owner (Please Print): _____

Phone Number (home) _____ (work) _____

Current Mailing Address: _____

Signature of Property Owner: _____

Witness: _____

Date: _____ Month _____ Day _____ Year

Owner/ Operator Lead Option

ACTIVE CORRECTIVE ACTION OPTIONS FORM

UST PERMIT #05659

I, _____, certify that I am the legal owner on record for the underground storage tanks at the facility identified below for the release reported on December 30, 1991 or serve as the authorized representative for the owner. I wish to secure price quotations for corrective action activities as required by the Agency, and to select my own corrective action contractor after price quotation results are received. I understand that the Agency will also advertise for price quotations in the South Carolina Business Opportunities and provide the results to me. **I understand compensation to the contractor will be from the SUPERB Account, but I may have the obligation to pay the contractor for any costs not approved by the Agency. I understand that if the contractor I select does not or cannot complete the required activities, I will be required to find another certified contractor to complete the required activities for the remainder of the existing financial approval amount and that no additional funding from the SUPERB Account may be allowed. I also understand that the Agency will pursue enforcement actions against me if the contractor I select does not make satisfactory progress towards achieving established corrective actions goals.**

NAME of UST owner or authorized representative (Please Print):_____

Phone Number (home)_____ (work)_____

Signature of UST Owner:_____

Date:_____

Witness:_____

Date:_____

D H E C

PROMOTE PROTECT PROSPER

Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

WORSLEY COMPANIES INC
PO BOX 3227
WILMINGTON NC 28406

FEB 27 2014

UST 33 tech DOCKETING

Re: **Site Specific Work Plan Request**
Corner Stop 28: 717 N Greenwood Ave, Ware Shoals, SC 29692
UST Permit # 05659
Release reported December 30, 1991
AFVR Report received August 6, 2012
Greenwood County

To Whom It May Concern:

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Health and Environmental Control (Agency) has reviewed the referenced report. The report indicates the presence of chemicals of concern in the groundwater.

To determine what risk the referenced release may pose to the environment and public health, and in accordance with Section 280.65 of the South Carolina Underground Storage Tank Control Regulations, implementation of a groundwater sampling event as outlined in the UST Quality Assurance Program Plan (QAPP) Revision 2.0 is necessary. All monitoring wells and water supply wells associated with the release should be sampled for BTEX, naphthalene, MtBE, 1,2-DCA, 8-Oxygenates and EDB. The groundwater sampling event should be conducted in accordance with the UST QAPP and must be conducted in compliance with all applicable regulations. A copy of the Agency's QAPP for the Underground Storage Tank Division is available at http://www.scdhec.gov/environment/lwm/usthome/Qapp.htm.

Please have your contractor complete and submit the Site Specific Work Plan and Cost Agreement within thirty (30) days of the date of this letter. The Site Specific Work Plan form can be found at http://www.dhec.sc.gov/administration/library/D-0653.pdf. Every component may not be necessary to complete the above scope of work. The State Underground Petroleum Environmental Response Bank (SUPERB) Account allowable cost for each component is included on the Assessment Component Cost Agreement Form. **Please note that technical and financial preapproval from the Agency must be issued before work begins**.

On all correspondence regarding this site, please reference UST Permit #05659. If you have questions or need additional information, feel free to call me at (803) 898-0606.

Sincerely,

John C. Bryant, Hydrogeologist
Corrective Action Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

cc: KLM Environmental LLC: PO Box 2704, Goose Creek, SC 29445
Technical File

D H E C

PROMOTE PROTECT PROSPER

Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

UST 34 tech DOCKETING

MAR 03 2014

GRETA STANLEY
WORSLEY COMPANIES INC
123 SHIPYARD BLVD
WILMINGTON NC 28412

Re: **Corrective Action Options**
Corner Stop 28: 717 N Greenwood Ave., Ware Shoals, SC 29692
UST Permit #**05659**
Release reported December 30, 1991
Assessment Report received October 27, 2011
Greenwood County

Dear Ms. Stanley,

The Underground Storage Tank (UST) Management Division (Division) of the South Carolina Department of Health and Environmental Control (Agency) has reviewed the referenced report submitted by KLM Environmental, LLC., on your behalf. The report indicates that active corrective action is necessary at the site to mitigate petroleum impact and ensure that there is no detrimental exposure to human health or the environment.

Funds from the State Underground Petroleum Environmental Response Bank (SUPERB) Account will soon be available for active corrective action. The selected technology must reduce the petroleum chemicals of concern (CoC) concentrations to site-specific target levels (SSTLs) determined by the Division.

The SUPERB Site Rehabilitation and Fund Access Regulations R.61-98 require the UST owner/operator to develop and implement a reasonable, cost-effective corrective action to be performed by an Agency-certified site rehabilitation contractor. As the owner/operator for the release reported on December 30, 1991, you may choose one of two options as to how to proceed with this requirement: state lead or owner/operator lead.

State Lead Option:

- If you choose the state lead option, the Division will procure a certified site rehabilitation contractor to perform corrective action on your behalf. The Agency will enter into an enforceable contract with the awarded contractor. As long as you do not interfere with or prohibit the work at your site, you will not be responsible in the event the state selected contractor does not perform appropriately or does not make satisfactory progress towards achieving the established corrective action goals. To utilize the state lead option, please sign and return the applicable Permission and Right-of-Entry forms within 15 days of the date of this letter.

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On all correspondence or inquiries regarding this project, please reference UST Permit **#05659**. If you have any questions, please contact me at (803) 898-0606 or bryantjc@dhec.sc.gov.

Sincerely,

John C. Bryant, Hydrogeologist
Corrective Action Section
UST Management Division
Bureau of Land and Waste Management

enc: Permission/Right-of-Entry forms
Active Corrective Action Options form

cc: KLM Environmental LLC: PO Box 2704, Goose Creek, SC 29445 (w/ enc)
Technical File (w/ enc)

State Lead Option

PERMISSION FORM

UNDERGROUND STORAGE TANK AND PROPERTY OWNER

UST Permit #05659

If you are both the owner of the former or existing underground storage tanks for the release reported on December 30, 1991 and the current property owner, please complete this form.

I, _____, certify that I am the identified legal owner of the underground storage tanks for the release reported on December 30, 1991 and property located at the facility identified below or serve as the authorized representative for the owner. I grant permission to the South Carolina Department of Health and Environmental Control (Agency) to secure on my behalf contractor services to conduct assessment and corrective action activities as required, and authorize the Agency, or a contractor selected by the Agency, to enter this property at reasonable times only to accomplish these site rehabilitation tasks. The contractor(s) will be designated as my contractor for only the required site rehabilitation activities. Compensation to the contractor(s) will be from the SUPERB Account and I will have no obligation to pay the contractor(s). I understand that the Agency or its contractor will be responsible for notifying me of all activities that are necessary prior to their initiation and will promptly provide to me a copy of each environmental report. I understand that I may choose to select my own contractor at the completion of any phase of work by notifying the Division of Underground Storage Tank Management in writing.

Name of Facility CORNER STOP 28 Phone # _____

Street Address of Facility 717 N Greenwood Ave.

Town, City, District, Suburb Ware Shoals

Name of nearest intersecting street, road, highway, alley _____

_____ Is this facility within the city limits? (yes or no) _____

Does a public water or sewer utility service this facility? (yes or no) _____, if no, please provide the name and phone number of a person that we can contact that can assist in the location of private water and septic tank lines _____ _____, phone number _____

Is the property currently leased or rented to someone? (yes or no) _____. If yes, please provide their name _____ and phone number _____ _____ and let them know about the pending site rehabilitation activities. If vehicles or other mobile structures are parked over the monitoring wells, they should be moved before the Agency's contractor arrives at the site.

NAME of UST/property owner (Please Print): _____

Phone Number (home) _____ (work) _____

Signature of UST/property Owner: _____

Witness: _____

Date: _____ Month _____ Day _____ Year

State Lead Option

PERMISSION FORM

UNDERGROUND STORAGE TANK OWNER

UST Permit **#05659**

If you are the owner of the former or existing underground storage tanks for the release reported on December 30, 1991 or are designated as their authorized representative, but do not own the property, please complete this form.

I, _____ certify that I am the legal owner of the former and/or existing underground storage tank(s) located at the facility identified below and for the release reported on December 30, 1991 or serve as the authorized representative for the UST owner. I grant permission to the South Carolina Department of Health and Environmental Control (Agency) to secure on my behalf services of a contractor to conduct assessment and corrective action activities, as required. The contractor will be designated as my contractor for only the required environmental site rehabilitation activities. Compensation to the contractor will be from the SUPERB Account and I will have no obligation to pay the contractor. I understand that the Agency or its contractor will be responsible for obtaining right-of-entry from the property owner and notifying me of all activities that are necessary prior to their initiation and will promptly provide to me a copy of each environmental report. I understand that I may choose to select my own contractor at the completion of any phase of work by notifying the Division of Underground Storage Tank Management in writing.

Name of Facility CORNER STOP 28 Phone # _____

Street Address of Facility 717 N Greenwood Ave.

Town, City, District, Suburb Ware Shoals

Name of nearest intersecting street, road, highway, alley _____

_____ Is this facility within the city limits? (yes or no) _____

Does a public water or sewer utility service this facility? (yes or no) _____, if no, please provide the name and phone number of a person that we can contact that can assist in the location of private water and septic tank lines _____

_____, phone number _____

NAME of UST owner (Please Print): _____

Phone Number (home) _____ (work) _____

Signature of UST Owner: _____

Witness: _____

Date: _____ Month _____ Day _____ Year

State Lead Option

RIGHT-OF-ENTRY FORM

PROPERTY OWNER

UST Permit **#05659**

If you are the Property Owner or are the authorized representative for that person, but did not own the former or existing underground storage tanks at the time the release was reported, please complete this form.

I, _____, certify that I am the legal owner of the property identified below or serve as the authorized representative for the property owner. I authorize the South Carolina Department of Health and Environmental Control (Agency), or a contractor selected by the Agency, to enter this property at reasonable times only to conduct assessment and corrective action activities, as required. The contractor will be designated as the contractor for the UST owner or operator for only the required environmental site rehabilitation activities. Compensation to the contractor will be from the SUPERB Account and I will have no obligation to pay the contractor. I understand that the Agency or its contractor will notify me of all activities that are necessary prior to their initiation and will promptly provide to me a summary of the data upon request.

Name of Facility _____CORNER STOP 28_____Phone # _____

Street Address of Facility _____717 N Greenwood Ave._____

Town, City, District, Suburb _____Ware Shoals_____

Name of nearest intersecting street, road, highway, alley _____

_____Is this facility within the city limits? (yes or no) _____

Does a public water or sewer utility service this facility? (yes or no) _____, if no, please provide the name and phone number of a person that we can contact that can assist in the location of private water and septic tank lines _____

_____, phone number _____

Is the property currently leased or rented to someone? (yes or no) _____. If yes, please provide their name _____and phone number _____ and let them know about the pending site rehabilitation activities. If vehicles or other mobile structures are parked over the monitoring wells, they should be moved before the Agency's contractor arrives at the site.

NAME of Property owner (Please Print):_____

Phone Number (home)_____ (work)_____

Current Mailing Address:_____

Signature of Property Owner:_____

Witness:_____

Date:_____Month _____Day_____Year

Owner/ Operator Lead Option

ACTIVE CORRECTIVE ACTION OPTIONS FORM

UST PERMIT #05659

I, _____, certify that I am the legal owner on record for the underground storage tanks at the facility identified below for the release reported on December 30, 1991 or serve as the authorized representative for the owner. I wish to secure price quotations for corrective action activities as required by the Agency, and to select my own corrective action contractor after price quotation results are received. I understand that the Agency will also advertise for price quotations in the South Carolina Business Opportunities and provide the results to me. **I understand compensation to the contractor will be from the SUPERB Account, but I may have the obligation to pay the contractor for any costs not approved by the Agency. I understand that if the contractor I select does not or cannot complete the required activities, I will be required to find another certified contractor to complete the required activities for the remainder of the existing financial approval amount and that no additional funding from the SUPERB Account may be allowed. I also understand that the Agency will pursue enforcement actions against me if the contractor I select does not make satisfactory progress towards achieving established corrective actions goals.**

NAME of UST owner or authorized representative (Please Print):_____

Phone Number (home)_____ (work)_____

Signature of UST Owner:_____

Date:_____

Witness:_____

Date:_____

DHEC
PROMOTE PROTECT PROSPER

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

UST MAR 1 2 2014 PROGRAM

To: John Bryant (SCDHEC Project Manager)
From: Mark Keller, PG (Contractor Project Manager)
Contractor: KLM Environmental UST Contractor Certification Number: 345

Facility Name: Corner Stop 28 UST Permit #: 05659
Facility Address: 717 North Greenwood Ave., Ware Shoals, SC 29692
Responsible Party: Worsley Companies Inc. Phone: 910-395-2870
RP Address: 123 Shipyard Blvd., Wilmington, NC 28412
Property Owner (if different): Fast Point Food Stores Inc
Property Owner Address: 2811 Reidville Rd., Suite 11, Spartanburg, SC 29301
Current Use of Property: Convenience Store / Gas Station

UST 35 tech DOCKETING

Scope of Work (Please check all that apply)

- ☐ IGWA
- ☐ Tier II
- ☑ Groundwater Sampling
- ☐ GAC
- ☐ Tier I
- ☐ Monitoring Well Installation
- ☐ Other

Analyses (Please check all that apply)

Groundwater/Surface Water:

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

Soil:

- ☐ BTEXN
- ☐ 8 RCRA Metals
- ☐ TPH-DRO (3550B/8015B)
- ☐ Grain Size
- ☐ PAH
- ☐ Oil & Grease (9071)
- ☐ TPH-GRO (5030B/8015B)
- ☐ TOC

Air:

- ☐ BTEXN

Sample Collection (Estimate the number of samples of each matrix that are expected to be collected.)

0	Soil	0	Water Supply Wells	0	Air	4	Field Blank
62	Monitoring Wells	1	Surface Water	4	Duplicate	5	Trip Blank

Field Screening Methodology

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

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

Permanent Monitoring Wells

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

# of shallow wells: NA Estimated Footage: NA feet per point
# of deep wells: NA Estimated Footage: NA feet per point
# of recovery wells: NA Estimated Footage: NA feet per point
Monitoring Well development method (consistent with SOP): NA
Comments, if warranted:
NA

UST Permit #: 05659 Facility Name: Corner Stop 28

Implementation Schedule (Number of calendar days from approval)
Field Work Start-Up: 45 Field Work Completion: 50
Report Submittal: 90 # of Copies Provided to Property Owners: _____

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

Investigation Derived Waste Disposal
Soil: NA Tons Purge Water: 350 Gallons
Drilling Fluids: NA Gallons Free-Phase Product: 0 Gallons

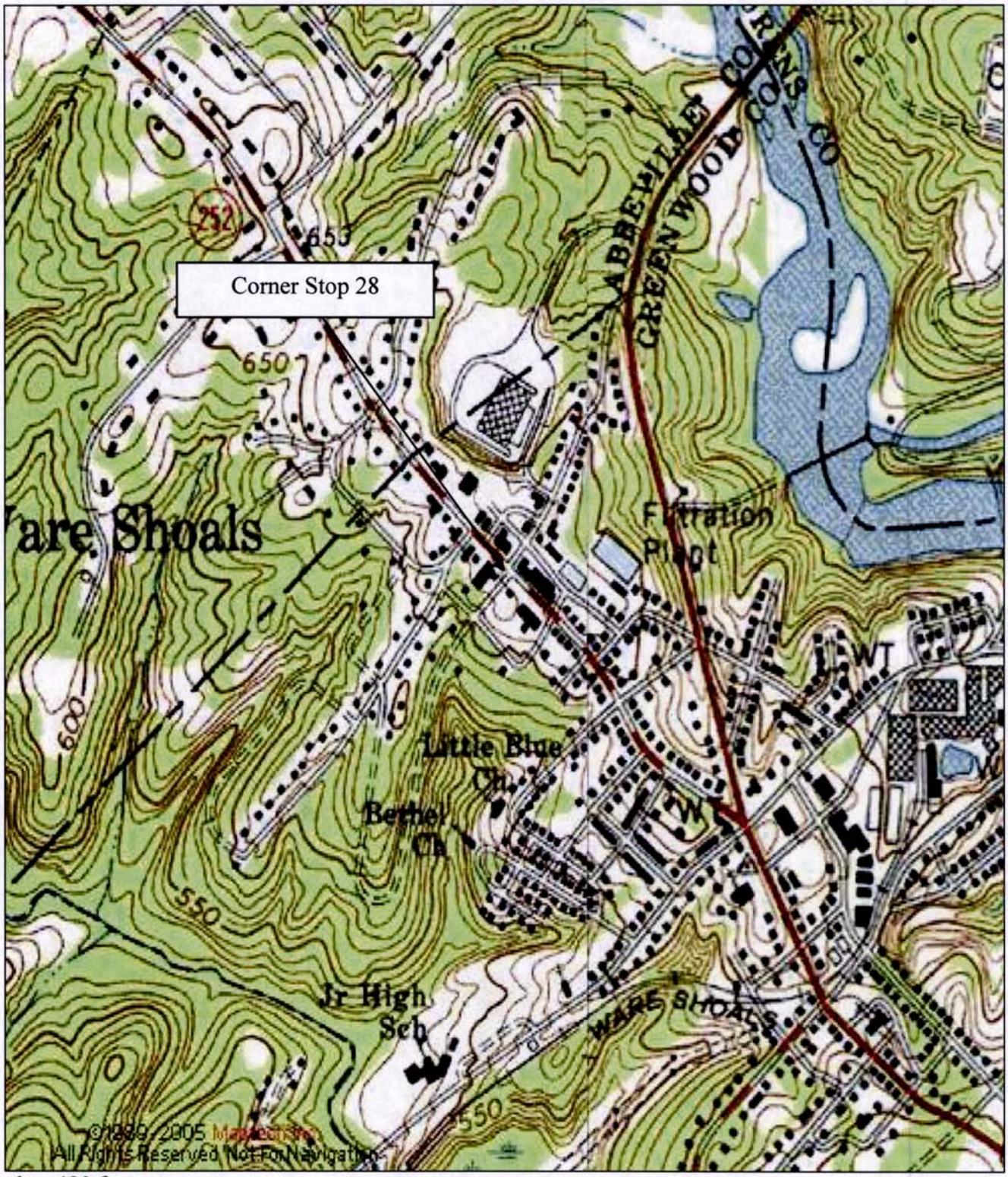
Additional Details For This Scope of Work
For example, list wells to be sampled, wells to be abandoned/repaired, well pads/bolts/caps to replace, details of AFVR event, etc.
Sample all wells and the creek. Purging will be required on all wells. Per Solicitation # 5400007403 one personel mobilization is allowed per 20 wells gauged or sampled. This work will require 4 mobilizations based on this precident.

Compliance With Annual Contractor Quality Assurance Plan (ACQAP)
Yes Laboratory as indicated in ACQAP? (Yes/No) If no, indicate laboratory information below.
Name of Laboratory: _____
SCDHEC Certification Number: _____
Name of Laboratory Director: _____

NA Well Driller as indicated in ACQAO? (Yes/No) If no, indicate driller information below.
Name of Well Driller: _____
SCLLR Certification Number: _____

NA Other variations from ACQAP. Please describe below.

Attachments
1. Attach a copy of the relevant portion of the USGS topographic map showing the site location.
2. Prepare a site base map. This map must be accurately scaled, but does not need to be surveyed. The map must include the following:
   - North Arrow
   - Location of property lines
   - Location of buildings
   - Previous soil sampling locations
   - Previous monitoring well locations
   - Proposed soil boring locations
   - Proposed monitoring well locations
   - Legend with facility name and address, UST permit number, and bar scale
   - Streets or highways (indicate names and numbers)
   - Location of all present and former ASTs and USTs
   - Location of all potential receptors
3. Assessment Component Cost Agreement, SCDHEC Form D-3664



1 inch = 480 ft

KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

Figure 1
USGS Map
Corner Stop 28
Ware Shoals, SC
Project # 05094.10

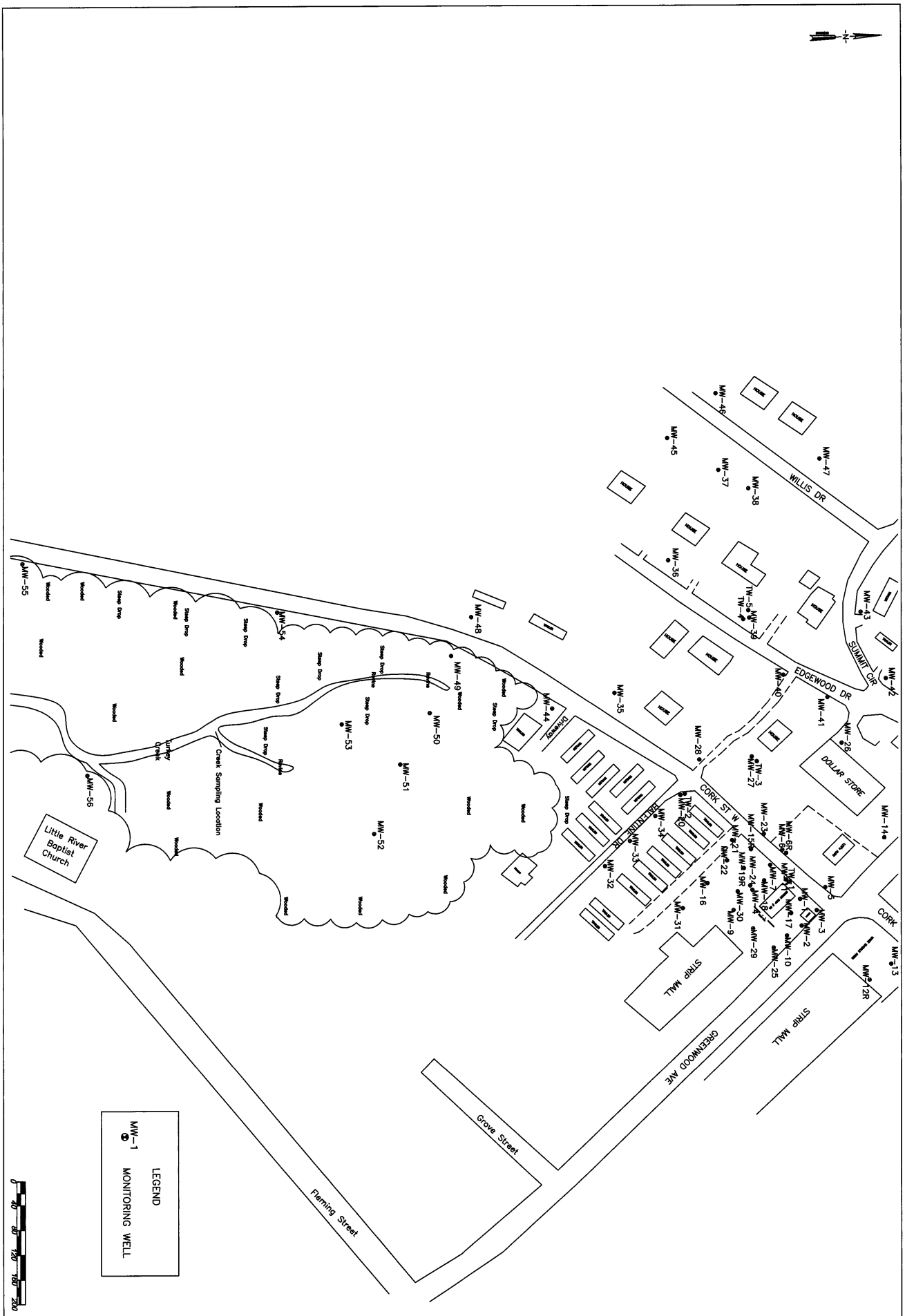


FIGURE 2
SITE MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

D H E C

2600 Bull Street
Columbia, SC 29201-1708

ASSESSMENT COMPONENT COST AGREEMENT 2013

SOUTH CAROLINA

Department of Health and Environmental Control (DHEC)

Bureau of Underground Storage Tank Management

Facility Name: **Corner Stop # 28**

UST Permit#: **05659** Cost Agreement #

		QTY	UNIT	UNIT PRICE	TOTAL
1	Plan*				
	A1. Site Specific Work Plan	1	x	150.00	150.00
	B1. Tax Map		x	$70.00	-
	C1. Tier II or Comp. Plan/QAPP App. B		x	$250.00	-
2	A1. Receptor Survey*		x	$551.00	-
3	Survey (500ft x 500 ft)				
	A1. Comprehensive Survey		x	$1,040.00	-
	B. Subsurface Geophysical Survey				
	1. <10 meters below grade		x	$1,300.00	-
	2. >10 meters below grade		x	$2,310.00	-
	C1. Geophysical UST or Drum Survey		x	$910.00	-
4	Mob/Demob (List component #)				
	A1. Equipment ()		x	$1,020.00	-
	B1. Personnel (10,10,10,10,17)	5	x	$423.00	2,115.00
	C1. Adverse Terrain Vehicle		x	$500.00	-
5	Soil Borings (hand auger)*		feet x	$5.00	-
6	Soil Borings or Field Screening*				
	A1. Standard		feet x	$7.40	-
	B1. Fractured Rock		feet x	$20.20	-
7	Soil Leachability Model		each x	$60.00	-
8	Abandonment				
	A1. 2" or less*		feet x	$3.10	-
	B1. 2+" to 6"*		feet x	$4.50	-
	C1. Dug/bored well (up to 6 ft dia.)*		feet x	$15.00	-
9	Well Installation *				
	A1. Water Table (hand auger)*		feet x	$10.60	-
	B1. Water Table (drill rig)*		feet x	$38.00	-
	C1. Telescoping*		feet x	$31.80	-
	D1. Rock Drilling*		feet x	$26.80	-
	E1. 2" Rock Coring*		feet x	$30.90	-
	G1. Multi-sampling ports/screens*		feet x	$33.40	-
	H1. Recovery Well (4" dia.)*		feet x	$30.00	-
	I1. Pre-packed screen (1.25" dia.)*		feet x	$15.00	-
	J1. Rotosonic (2" dia.)*		feet x	$44.00	-
	K. Re-develop existing well*		feet x	$11.00	-
10	Sample Collection*				
	A1. Ground-water (purge)*	62	per well or receptor x	$60.00	3,720.00
	B1. Air or Vapors*		Per receptor x	$12.00	-
	C1. Water Supply*	1	per well or receptor x	$22.00	22.00
	D1. Groundwater (No Purge or duplicate)*	4	per well or receptor x	$28.00	112.00
	E1. Gauge Well Only*		per well x	$7.00	-
	F1. Sample Below Product*		per well x	$12.00	-
	G1. Passive Diffusion Bag*		each x	$26.00	-
	H1. Field Blank	4	each x	$24.60	98.40
11	Analyses-Groundwater (See Analytical Methodology for analyses)				
	A2. BTEXNM+Oxyg's+1,2-DCA+Eth(8260B	76	samples x	$122.00	9,272.00
	AA1. Lead, Filtered		samples x	$13.80	-
	B2. 8260 RUSH		samples x	$153.60	-
	C2. Trimethyl, Butyl, & Isopropyl Benzene		samples x	$36.40	-
	D1. PAH's		samples x	$60.60	-
	E1. Lead, Unfiltered		samples x	$16.00	-
	F1. EDB by 8011	71	samples x	$45.20	3,209.20
	FF1. EDB by 8011 RUSH		samples x	$68.20	-
	G1. 8 RCRA Metals		samples x	$63.40	-
	H1. TPH (9070)		samples x	$41.00	-
	I1. pH		samples x	$5.20	-
	J1. BOD		samples x	$20.00	-
	P1. Ethanol		samples x	$14.80	-
				sub-total	18,698.60

UST Facility Name	Corner Stop # 28				
UST Permit#	05659		Cost Agreement #	00000	
		QTY	UNIT	UNIT PRICE	TOTAL
11	Analyses-Soil				
	Q1. BTEX + Napth.		samples x	$64.00	-
	R1. PAH's		samples x	$64.04	-
	S1. 8 RCRA Metals		samples x	$56.40	-
	U1. TPH-DRO (3550C/8015C)		samples x	$40.00	-
	V1. TPH-GRO (5035B/8015C)		samples x	$35.96	-
	W1. Grain size/hydrometer		samples x	$104.00	-
	X1. Total Organic Carbon		samples x	$30.60	-
	Analyses-Air				
	Y1. BTEX + Napth.		samples x	$216.00	-
	Analyses-Free-Phase Product				
	Z1. Hydrocarbon Fuel Identification		samples x	$357.00	-
12	Aquifer Characterization*				
	A1. Pumping Test*		hours x	$23.00	-
	B1. Slug Test*		tests x	$191.00	-
	C1. Fractured Rock*		tests x	$100.00	-
13	Free Product Recovery Rate Test*		tests x	$38.00	-
14	Fate/Transport Modeling				
	A1. Mathematical Model		models x	$100.00	-
	B1. Computer Model		models x	$100.00	-
15	Risk Evaluation				
	A1. Tier I Risk Evaluation		x	$300.00	-
	B1. Tier II Risk Evaluation		x	$100.00	-
16	Subsequent Survey*		x	$260.00	-
17	Disposal				
	AA. Wastewater*	350	gallons x	$0.56	196.00
	BB. Free Product*		gallons x	$0.50	-
	C1. Soil Treatment/Disposal*		ton x	$60.00	-
	D1. Drilling Fluids*		gallons x	$0.42	-
18	Miscellaneous(attach receipts)		each x	pre aprroved	
20	IGWA ($3,460 SE $3,760 Others)		standard		-
21	Tier I Assessment ($10,230/$11,230)		standard		-
22	Active Corrective Action		PFP bid		-
23	EFR				
	A1. 8-hour event		each x	$1,375.00	-
	A2. 24-hour event		each x	$3,515.00	-
	A3. 48 hour event		each x	$6,265.00	-
	A4. 96-hour event		each x	$12,567.50	-
	C1. Off-gas treatment 8-hour		per event x	$122.50	-
	C2. Off-gas treatment 24 hour		per event x	$241.50	-
	C3. Off-gas treatment 48 hour		per event x	$327.00	-
	C4. Off-gas treatment 96 hour		per event x	$780.00	-
	D1. AFVR Site Reconnaissance		each x	$203.25	-
	E1. Additional hook-ups		each x	$25.75	-
	F. Effluent Disposal		gallon x	$0.30	-
	G. AFVR Mobilization/Demobilizatior		each x	$391.50	-
24	Granulated Activated Carbor (GAC) filter system installation & service:				
	A1. New GAC System Installation*		each x	$1,900.00	-
	BB. Refurbished GAC Sys. Install*		each x	$900.00	-
	C1. Filter replacement/removal*		each x	$350.00	-
	DD. GAC System removal,cleaning*		each x	$275.00	-
	E1. GAC System housing*		each x	$250.00	-
	F. In-line particulate filter		each x	$150.00	-
	G1. Additional piping & fittings		foot x	$1.50	-
25	Well Repair*				
	A1. Additonal Copies of Report		each x	$50.00	-
	B1. Repair 2x2 MW Pad*		each x	$50.00	-
	C1. Repair 4x4 MW Pad*		each x	$88.00	-
	D1. Repair Well Vault*		each x	$118.00	-
	F1. Replace well cover bolts		each x	$2.60	-
	G1. Replace locking well cap & lock		each x	$15.00	-
	H1. Replace/repair stick-up		each x	$134.00	-
	I1. Convert flush-mount to stick-up		each x	$150.00	-
	J1. Convert stick-up to flush-mount		each x	$130.00	-
	K1. Replace missing/illegible well tag		each x	$12.00	-
				Subtotal	**$18,744.60**
	Project Management Fee (%)		x	10.0%	$1,874.46
	Total			**Total**	**$20,619.06**

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

D H E C
PROMOTE PROTECT PROSPER
Catherine B. Templeton, Director
Promoting and protecting the health of the public and the environment

WORSLEY COMPANIES INC
PO BOX 3227
WILMINGTON NC 28406

MAR 17 2014

UST 36 tech DOCKETING

Re: **Groundwater Sampling Directive**
Corner Stop 28: 717 N Greenwood Ave, Ware Shoals, SC 29692
UST Permit #05659; CA# 47633
Release reported December 30, 1991
Site Specific Work Plan received March 12, 2014
Greenwood County

To Whom It May Concern:

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Health and Environmental Control (Agency) has reviewed the referenced Site Specific Work Plan submitted on your behalf by KLM Environmental. The next appropriate scope of work at the site is a comprehensive groundwater sampling event. All work should be conducted in accordance with the UST Quality Assurance Program Plan (QAPP) Revision 2.0, and must be conducted in compliance with all applicable regulations. A copy of the Agency QAPP Revision 2.0, for the UST Management Division is available at http://www.scdhec.gov/environment/lwm/usthome/Qapp.htm.

Groundwater sampling activities at the site should begin immediately upon receipt of this letter. Cost agreement # 47633 has been approved for the amount shown on the enclosed cost agreement form for sampling all monitoring wells associated with the referenced release. Groundwater samples should be collected and analyzed for BTEX, naphthalene, MtBE, 8 oxygenates, 1,2 DCA, and EDB. Analyses should be in accordance with Appendix E of the QAPP to include duplicate samples, field and trip blanks.

In accordance with the QAPP, a weekly status report of the project should be provided via e-mail. If any quality assurance problems arise, you must contact me within 24 hours via phone or e-mail. In addition, a discussion of the problem(s) encountered, including quality assurance problems, the actions taken, and the results must be included in the final report submitted to the UST Management Division.

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

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

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

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

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

On all correspondence regarding this site, please reference UST Permit # 05659. If you have any questions regarding this correspondence, please contact me by telephone at (803) 898-0606, by fax at (803) 898-0673, or by e-mail at bryantjc@dhec.sc.gov.

Sincerely,

John C. Bryant, Hydrogeologist
Corrective Action Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

enc: Approved Cost Agreement

cc: KLM Environmental LLC: PO Box 2704, Goose Creek, SC 29445 (with enc.)
Technical File (with enc.)

Approved Cost Agreement 47633

Facility: 05659 CORNER STOP 28

BRYANTJC

PO Number:

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
01 PLAN						
		A1	SITE SPECIFIC WORK PLAN	1.0000	150.00	150.00
04 MOB/DEMOB						
		B1	PERSONNEL	5.0000	423.00	2,115.00
10 SAMPLE COLLECTION						
		A1	GROUNDWATER (PURGE)	62.0000	60.00	3,720.00
		C1	WATER SUPPLY	1.0000	22.00	22.00
		D1	GROUNDWATER NO PURGE/DUPLICATE	4.0000	28.00	112.00
		H1	FIELD BLANK	4.0000	24.60	98.40
11 ANALYSES						
	GW GROUNDWATER	A2	BTEXNM+OXYGS+1,2-DCA+ETH-8260B	76.0000	122.00	9,272.00
		F1	EDB BY 8011	71.0000	45.20	3,209.20
17 DISPOSAL						
		AA	WASTEWATER	400.0000	0.56	224.00
19 RPT/PROJECT MNGT & COORDINATIO						
		PERC	REPORT PREPARATION	0.1000	18,922.60	1,892.26
					Total Amount	20,814.86

State Lead Option

PERMISSION FORM

UNDERGROUND STORAGE TANK OWNER

UST Permit #05659

If you are the owner of the former or existing underground storage tanks for the release reported on December 30, 1991 or are designated as their authorized representative, but do not own the property, please complete this form.

I, Cenama (Greta Stanley) certify that I am the legal owner of the former and/or existing underground storage tank(s) located at the facility identified below and for the release reported on December 30, 1991 or serve as the authorized representative for the UST owner. I grant permission to the South Carolina Department of Health and Environmental Control (Agency) to secure on my behalf services of a contractor to conduct assessment and corrective action activities, as required. The contractor will be designated as my contractor for only the required environmental site rehabilitation activities. Compensation to the contractor will be from the SUPERB Account and I will have no obligation to pay the contractor. I understand that the Agency or its contractor will be responsible for obtaining right-of-entry from the property owner and notifying me of all activities that are necessary prior to their initiation and will promptly provide to me a copy of each environmental report. I understand that I may choose to select my own contractor at the completion of any phase of work by notifying the Division of Underground Storage Tank Management in writing.

Name of Facility CORNER STOP 28 Phone # _____

Street Address of Facility 717 N Greenwood Ave.

Town, City, District, Suburb Ware Shoals

Name of nearest intersecting street, road, highway, alley _____

_____ Is this facility within the city limits? (yes or no) _____

Does a public water or sewer utility service this facility? (yes or no) _____, if no, please provide the name and phone number of a person that we can contact that can assist in the location of private water and septic tank lines _____

_____, phone number _____

NAME of UST owner (Please Print): CENAMA, Inc. (Formerly Worsley Companies, Inc)
Greta Stanley, Environmental manager

Phone Number (home) 910-343-1991 (work) 910-332-5605

Signature of UST Owner: Greta Stanley

Witness: Amber Anderson

Date: April Month 16th Day 2014 Year

US DOCKETING 37 Feet

State Lead Option

UST
APR 2 4 2014
PROGRAM

PERMISSION FORM

UNDERGROUND STORAGE TANK OWNER

UST Permit #05659

If you are the owner of the former or existing underground storage tanks for the release reported on December 30, 1991 or are designated as their authorized representative, but do not own the property, please complete this form.

I, Cenama (Greta Stanley) certify that I am the legal owner of the former and/or existing underground storage tank(s) located at the facility identified below and for the release reported on December 30, 1991 or serve as the authorized representative for the UST owner. I grant permission to the South Carolina Department of Health and Environmental Control (Agency) to secure on my behalf services of a contractor to conduct assessment and corrective action activities, as required. The contractor will be designated as my contractor for only the required environmental site rehabilitation activities. Compensation to the contractor will be from the SUPERB Account and I will have no obligation to pay the contractor. I understand that the Agency or its contractor will be responsible for obtaining right-of-entry from the property owner and notifying me of all activities that are necessary prior to their initiation and will promptly provide to me a copy of each environmental report. I understand that I may choose to select my own contractor at the completion of any phase of work by notifying the Division of Underground Storage Tank Management in writing.

UST
38 tech
DOCKETING

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NAME of UST owner (Please Print): CENAMA, Inc. (formerly Worsley Companies, Inc)
Greta Stanley, Environmental manager

Phone Number (home) 910-343-1991 (work) 910-332-5605

Signature of UST Owner: Greta Stanley

Witness: Amber Andersen

Date: April Month 16th Day 2014 Year

Document Receipt Information

☐ Hard Copy ☒ CD ☐ Email

Date Received 5/14/15

Permit Number 05659

Project Manager John Bryant

Name of Contractor KIm

UST Certification Number UCC-0345

Docket Number 39 tch

Scanned

Monitoring Report

Monitoring Report
Corner Stop # 28 (Former Fast Point 17)
Ware Shoals, South Carolina
Site ID# 05659

KLM Environmental, LLC
Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation
PO Box 2704 843-870-4285 Phone
Goose Creek, SC 29445 843-797-1893 Fax

May 12th, 2014

Prepared for:

Mr. John Bryant
SCDHEC BUSTM
2600 Bull Street
Columbia, SC 29201

Prepared by:

KLM Environmental, LLC.
PO Box 2704
Goose Creek, SC 29445
(843) 870-4285 / *fax: 797-1893*
UST Contractor # 345

Project # 05094.10

SIGNATURE PAGE

This report entitled "**Monitoring Report**" for the **Corner Stop # 28** has been prepared at the request of and for the exclusive use of the South Carolina Department of Health and Environmental Control. It has been prepared and reviewed by the undersigned.

Prepared By:

J. Micah Bennett, PG
Vice President

Reviewed By:

Mark L. Keller, PG
President

5/12/14
Date

MARK L. KELLER
REGISTERED
No. 2311
5/12/14
SOUTH CAROLINA
PROFESSIONAL GEOLOGIST

TABLE OF CONTENTS

SECTION	DESCRIPTION	PAGE
1.0	INTRODUCTION	1
2.0	GROUNDWATER INFORMATION	2
2.1	Piezometric Data	
2.2	Groundwater Sampling	
3.0	CONCLUSIONS	15
4.0	REFERENCES	16

List of Figures

DESCRIPTION	FIGURE
TOPOGRAPHIC MAP	1
SITE MAP	2
PIEZOMETRIC MAP	3
COC MAP	4

List of Appendices

DESCRIPTION	APPENDIX
FIGURES	A
LABORATORY DATA / SAMPLING SHEETS	B
TAX MAP / REGIONAL GEOLOGY	C
FIELD SCREENING LOGS	D
WELL LOGS	E
AQUIFER CALCULATIONS	F
DISPOSAL MANIFEST	G
ZONING INFORMATION	H
FATE AND TRANSPORT MODELING	I
ACCESS AGREEMENTS	J
CHECKLIST	K

List of Tables

DESCRIPTION	TABLE
PIEZOMETRIC DATA	1
SUMMARY OF ANALYTICAL DATA	2
SUMMARY OF OXYGENATE DATA	3

1.0 INTRODUCTION

The Corner Stop # 28 site is located 717 North Greenwood Ave. in Ware Shoals, South Carolina. A topographic map is provided as Figure 1 in Appendix A. The current property owner is listed at Fast Point Food Stores Inc with the address listed at 2811 Reidville Rd., Suite 11, Spartanburg, SC 29301. The former UST owner responsible for the release reported on December 30th, 1991 is listed as Worsley Companies Inc. located at 123 Shipyard Blvd in Wilmington, NC 28412; phone 910-343-1991. KLM Environmental is the Certified UST Site Rehabilitation Contractor performing the work. KLM's address is PO Box 2704, Goose Creek, SC 29445, phone 843-870-4285. Pace Analytical Services, Inc. is the certified laboratory used to analyze the samples for this work. Pace Analytical Services main address is 9800 Kincey Ave., Suite 100, Huntersville, NC 28078, phone # 704-875-9092.

The release was reported on December 30th, 1991. The site has been undergoing assessment and monitoring activities since that date. This property is an in service gasoline dispensing station bordered by commercial and residential property.

The site is situated in the inner piedmont belt where the soil mainly consists of saprolite, sandy clays and clays that are underlined by medium to high grade metamorphic rock, such as granitic, biotitic and hornblendic rocks.

KLM has performed numerous well installation events, sampling events and AFVR events at the site. The site was last sampled in September of 2011. This report serves to document the current groundwater data at Corner Stop # 28 site.

2.0 GROUNDWATER INFORMATION

2.1 Piezometric Data

Figure 2 in Appendix A serves as the comprehensive site map showing the locations of the fifty-seven shallow wells and five telescoping wells located at the Corner Stop # 28 site. Piezometric data collected during sampling activities for the monitoring wells associated with the release at the site can be found in Table 1. Historical piezometric data can be found in Appendix F for comparison. A piezometric map was created utilizing data collected from the shallow wells during the sampling event conducted on April 22nd and 23rd, 2014. The piezometric map can be found in Appendix A as Figure 3.

TABLE 1
Groundwater Data (feet)
Corner Stop #28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	GW Elevation
MW-1*	4/23/14	99.42	34-54	44.16	44.38	FP
MW-2	4/23/14	98.19	45-55	--	39.93	58.26
MW-3	4/23/14	99.02	45-55	--	44.49	54.53
MW-4*	4/23/14	102.70	45-60	--	Dry	--
MW-5	4/23/14	99.90	35-60	--	44.67	55.23
MW-6R	4/23/14	101.94	45-65	--	53.24	48.70
MW-7*	4/23/14	101.61	35-60	53.27	53.28	FP
MW-9	4/23/14	96.71	35-60	--	36.63	60.08
MW-10	4/23/14	98.24	35-60	--	34.69	63.55
MW-11*	4/23/14	100.53	30-55	49.97	50.60	FP
MW-12R	4/23/14	99.58	50-70	--	39.41	60.17
MW-13	4/23/14	99.96	40-60	--	40.53	59.43
MW-14	4/22/14	102.92	40-60	--	50.10	52.82
MW-15R*	4/23/14	101.29	50-70	53.68	55.49	FP
MW-16	4/23/14	98.68	40-60	--	48.91	49.77
MW-17	4/23/14	99.05	40-60	--	38.44	60.61
MW-18	4/23/14	101.23	40-60	--	53.49	47.74
MW-19R	4/23/14	102.03	50-70	--	54.83	47.20
MW-20	4/22/14	91.47	40-60	--	48.21	43.26
MW-21	4/23/14	100.39	45-65	--	54.32	46.07
MW-22*	4/23/14	100.39	45-65	53.54	53.55	FP
MW-23	4/23/14	101.62	45-65	--	54.49	47.13
MW-24	4/23/14	101.71	45-65	--	48.59	53.12
MW-25	4/23/14	97.73	45-65	--	34.27	63.46
MW-26	4/22/14	100.01	45-65	--	47.65	52.36

TABLE 1 CONT. Groundwater Data (feet) Corner Stop #28 Ware Shoals, SC						
Monitoring Well	**Date**	**TOC Elevation**	**Screened Interval**	**TOC to FP**	**TOC to GW**	**GW Elevation**
MW-27	4/22/14	94.30	45-65	--	47.32	46.98
MW-28	4/22/14	87.21	45-65	--	43.57	43.64
MW-29	4/23/14	96.72	50-70	--	32.81	63.91
MW-30	4/23/14	102.10	50-70	--	50.09	52.01
MW-31	4/23/14	94.97	50-70	--	38.30	56.67
MW-32	4/22/14	86.78	50-70	--	41.75	45.03
MW-33	4/22/14	88.98	50-70	--	45.93	43.05
MW-34	4/22/14	90.20	50-70	--	47.39	42.81
MW-35	4/22/14	71.30	50-70	--	37.18	34.12
MW-36	4/22/14	81.34	50-70	--	42.93	38.41
MW-37*	4/22/14	67.13	50-70	--	CNL	--
MW-38	4/22/14	72.76	50-70	--	35.59	37.17
MW-39	4/22/14	89.53	50-70	--	43.07	46.46
MW-40	4/22/14	91.41	50-70	--	48.77	42.64
MW-41	4/22/14	94.23	50-70	--	41.82	52.41
MW-42	4/22/14	100.92	50-70	--	50.33	50.59
MW-43	4/22/14	95.52	50-70	--	40.44	55.08
MW-44	4/22/14	63.92	30-50	--	46.27	17.65
MW-45	4/22/14	64.00	30-50	--	29.46	34.54
MW-46	4/22/14	55.65	30-50	--	26.30	29.35
MW-47	4/22/14	68.64	30-50	--	29.92	38.72
MW-48	4/22/14	68.77	35-45	--	36.71	32.06
MW-49	4/22/14	58.36	30-40	--	30.21	28.15
MW-50	4/22/14	58.69	20-30	--	21.63	37.06
MW-51	4/22/14	62.92	30-40	--	30.70	32.22
MW-52	4/22/14	60.02	38-48	--	32.21	27.81
MW-53*	4/22/14	51.61	25-35	31.64	31.89	FP
MW-54	4/22/14	59.23	40-50	--	40.17	19.06
MW-55	4/22/14	39.76	40-50	--	47.89	-8.13
MW-56	4/23/14	37.50	32-42	--	45.58	-8.08
T-1*	4/23/14	100.32	71-81	--	29.42	70.9
T-2*	4/22/14	91.86	76-81	--	48.52	43.34
T-3*	4/22/14	95.68	85-90	--	47.59	48.09
T-4*	4/22/14	89.32	76-81	--	43.53	45.79
T-5*	4/22/14	89.31	85-90	--	52.59	36.72

* indicates wells not used to construct piezometric map. CNL = Could not locate. FP = Free Product.

Depths to fluid measurements were collected relative to the top of casing for each well. A hydrocarbon interface probe capable of detecting and measuring a hydrocarbon product thickness of 0.01 foot or 1/8 inch was used for depth to fluid measurements.

2.2 Groundwater Sampling

Since the monitoring well network has not been sampled within the last twelve months, purging was required on all monitoring wells. A minimum of three well volumes were purged from all monitoring wells prior to sample collection using an electric purge pump. The purge pump and hose were decontaminated between wells with a triple station rinse as outlined in the QAPP. Immediately after well purging was completed groundwater samples were collected using disposable bottom entry sampling bailers, decanted into sterile glass sample containers provided by the analytical laboratory, and preserved in accordance with United States Environmental Protection Agency (USEPA) sampling protocol. Standard field parameters (pH, specific conductivity, temperature, dissolved oxygen, salinity, and turbidity) were measured with the Horiba U-52 (serial # W22MV13L) and recorded for each sample during well purging or at the time of collection. The Horiba U-52 (serial # W22MV13L) was calibrated with Horiba 100-4 standard solution prior to use and the calibration records are recorded on the calibration sheet which are included in Appendix B. Following collection in the field, the groundwater samples were packed on wet ice and submitted to Pace Analytical Services (SCDHEC Certification # 99006) and analyzed for Benzene, Toluene, Ethylbenzene, total Xylenes (BTEX), Methyl-tert Butyl Ether (MTBE), Naphthalene, 1,2 DCA, 8 Oxygenates, and EDB. Monitoring well MW-37 could not be located; therefore no current data is available for this well. Historical data from 2011 was used for MW-37 in Figure 4 when mapping the contaminant plume. Monitoring well MW-17 was sampled on April 23rd, 2014; however the laboratory claimed they never received the MW-17 samples. MW-17 was chosen to be utilized as Duplicate 3 and the laboratory did receive the Duplicate 3 samples, so the data for MW-17 is reported as Duplicate 3. The SCDHEC Project Manager was notified of this issue and the Analytical Data Tables are noted. Analytical results are provided in Table 2 and 3 and in Appendix B. Historical groundwater analytical data is also provided in Appendix B along with the field sampling sheets. A map is provided as Figure 4 in Appendix A showing the sample results along with the well locations. A disposal manifest for 541 gallons of contaminated purge water is provided in Appendix G.

Sampling was performed on April 22nd and 23rd, 2014. Results for all wells sampled are as follows:

TABLE 2
Summary of Analytical Data
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	1,2 DCA	EDB
RBSL	**--**	**5**	**1000**	**700**	**10000**	**40**	**25**	**5**	**0.05**
MW-1	2/28/06	NS	NS	NS	NS	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	9/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	4/23/14	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-2	2/28/06	**3800**	**41000**	**4100**	**22500**	**1100**	**<400**	NS	**10**
	5/30/07	**1300**	**20000**	**1900**	**12300**	**1900**	**400**	NS	**15**
	10/23/07	**2410**	**25900**	**3340**	**18350**	**7510**	**1940**	NS	**16.8**
	2/27/08	**2770**	**28600**	**3670**	**20000**	**4040**	**991**	**<1000**	**12.6**
	12/4/08	**2940**	**23400**	**2930**	**18200**	**17500**	**<1000**	NS	**53.4**
	6/1/09	**4170**	**21400**	**2560**	**18000**	**18300**	**659**	**<1000**	**54.8**
	9/28/11	**3150**	**19600**	**2690**	**17100**	**8620**	**<1000**	**<1000**	**9.5**
	4/23/14	**230**	**3520**	**1100**	7770	**468**	**491**	<50.0	**2.5**
MW-3	2/28/06	NS	NS	NS	NS	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**2120**	**21000**	**3140**	**17900**	**2990**	**1030**	**17.5**	**9.7**
	9/28/11	**1870**	**20800**	**3530**	**23100**	**3890**	**924**	**<500**	**5.2**
	4/23/14	**795**	**5250**	613	**12200**	**1810**	**695**	<50.0	**1.2**
MW-4	2/28/06	NS	NS	NS	NS	NS	NS	NS	NS
	5/30/07	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	10/23/07	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	9/28/11	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	4/23/14	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-5	2/28/06	**410**	150	19	270	**140**	3	NS	<0.02
	5/30/07	**900**	820	150	640	**860**	13	NS	**0.20**
	10/23/07	**592**	334	70.1	444	**425**	**45.4**	NS	0.031
	2/27/08	**482**	614	25.4	1110	**557**	**34.8**	<25	<0.02
	12/4/08	**363**	84.2	13.7	263	**831**	<25.0	NS	**0.06**
	6/1/09	**294**	199	19.6	409	**677**	**32.5**	<10	<0.019
	9/28/11	**112**	30.7	12.4	138	**357**	**45.5**	<10	<0.020
	4/23/14	**30.0**	271	184	1570	**285**	**498**	<50.0	**0.13**

Note: All results in µg/l. Numbers in bold exceed RBSL. CNL = Could Not Locate NS = Not Sampled for that parameter.

TABLE 2
Summary of Analytical Data
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	1,2 DCA	EDB
RBSL	**--**	**5**	**1000**	**700**	**10000**	**40**	**25**	**5**	**0.05**
MW-6	2/28/06	**450**	350	650	1450	19	<1	NS	<0.02
	5/30/07	<5.0	14	6.4	40	<5.0	12	NS	NS
	10/23/07	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	4/23/14	NS	NS	NS	NS	NS	NS	NS	NS
MW-6R	2/27/08	**4470**	**19500**	**2300**	9800	**85.9**	**351**	<50	<0.02
	12/4/08	**95.7**	115	29.1	440	**63.3**	**57.1**	NS	<0.02
	6/1/09	**16.1**	144	21.1	167	25.7	**128**	<5.0	<0.019
	9/28/11	**8.7**	26.6	9.0	136	13.7	**31.1**	<5.0	0.023
	4/23/14	<5.0	12.9	8.7	71.9	<5.0	15.3	<5.0	<0.020
MW-7	2/28/06	NS	NS	NS	NS	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	9/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	4/23/14	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-9	2/28/06	<1	<1	<1	<3	<1	<1	NS	<0.02
	5/30/07	<5.0	<5.0	<5.0	<10	<5.0	<5.0	NS	<0.02
	10/23/07	<5.0	5.2	<5.0	<10.0	<5.0	<5.0	NS	<0.02
	2/27/08	1.3	29.0	8.4	45.4	<5.0	8.6	<5.0	<0.02
	12/4/08	1.7	22.9	6.0	33.5	2.4	<5.0	NS	<0.019
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
	9/28/11	<5.0	2.0	<5.0	3.0	<5.0	<5.0	<5.0	<0.020
	4/23/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-10	2/28/06	<1	<1	<1	<3	<1	<1	NS	<0.02
	5/30/07	<5.0	9.5	<5.0	21.4	<5.0	6.7	NS	<0.02
	10/23/07	<5.0	19.4	6.7	43.3	<5.0	11.7	NS	<0.02
	2/27/08	3.7	106	34.3	215	2.1	**43.2**	<5.0	<0.02
	12/4/08	2.5	32.1	7.6	47.7	6.5	7.5	NS	0.046
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	**0.068**
	4/23/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-11	2/28/06	**12000**	**60000**	**10000**	**55000**	**37000**	**3400**	NS	**19**
	5/30/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	9/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	4/23/14	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**

TABLE 2
Summary of Analytical Data
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	1,2 DCA	EDB
RBSL	**--**	**5**	**1000**	**700**	**10000**	**40**	**25**	**5**	**0.05**
MW-12	2/28/06	**130**	7	1	94	22	1	NS	<0.02
	5/30/07	CNL	CNL	CNL	CNL	CNL	CNL	NS	CNL
	10/23/07	CNL	CNL	CNL	CNL	CNL	CNL	NS	CNL
	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	NS	DRY
	4/23/14	NS	NS	NS	NS	NS	NS	NS	NS
MW-12R	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
	4/23/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-13	5/30/07	<5.0	<5.0	<5.0	<10	<5.0	<5.0	NS	<0.02
	10/23/07	<5.0	7.4	<5.0	<10	<5.0	6.3	NS	<0.02
	2/27/08	**6.4**	<5.0	<5.0	4.6	<5.0	3.1	<5.0	<0.02
	12/4/08	4.8	83.3	24.4	134	4.1	10.1	NS	<0.02
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
	4/23/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-14	5/30/07	<5.0	<5.0	<5.0	<10	<5.0	<5.0	NS	<0.02
	10/23/07	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NS	<0.02
	2/27/08	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.02
	12/4/08	2.6	44.3	12.7	70.0	2.7	6.4	NS	<0.02
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-15	5/30/07	**10000**	**42000**	**3400**	**29000**	**980**	**830**	NS	**23**
	10/23/07	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	9/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	4/23/14	NS	NS	NS	NS	NS	NS	NS	NS
MW-15R	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	9/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	4/23/14	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-16	5/30/07	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NS	<0.02
	10/23/07	<5.0	9.3	<5.0	20.2	<5.0	5.7	NS	<0.02
	2/27/08	1.7	30.1	8.5	44.9	<5.0	4.1	<5.0	<0.02
	12/4/08	**17.9**	321	102	590	<5.0	**69.4**	NS	0.034
	6/1/09	**10.2**	198	54.8	296	<5.0	**38.2**	<5.0	<0.019
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
	4/23/14	<5.0	112	90.5	620	<5.0	**150**	<5.0	<0.020

TABLE 2
Summary of Analytical Data
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	1,2 DCA	EDB
RBSL	**--**	**5**	**1000**	**700**	**10000**	**40**	**25**	**5**	**0.05**
MW-17	10/23/07	**2610**	**7400**	**912**	6330	**9380**	**<500**	NS	**24.6**
	2/27/08	**4810**	**15900**	**2450**	**14200**	**12200**	**764**	**<250**	**37.1**
	12/4/08	**5610**	**21500**	**1630**	**14600**	**17700**	**749**	NS	**87.5**
	6/1/09	**3210**	**15800**	**1870**	**11300**	**6040**	**<1000**	**<1000**	**24.7**
	9/28/11	**4260**	**20900**	**2190**	**11600**	**15200**	**528**	**<250**	**46.1**
	4/23/14	See Dup 3	See Dup 3	See Dup 3	See Dup 3	See Dup 3	See Dup 3	See Dup 3	See Dup 3
MW-18	10/23/07	**2180**	**20000**	**3410**	**19880**	**1030**	**830**	NS	**0.88**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	9/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	4/23/14	**202**	**7580**	**4280**	**19300**	**126**	**797**	<50.0	<0.019
MW-19	10/23/07	**9840**	**47600**	**5260**	**27800**	**18500**	**1660**	NS	**16.4**
	2/27/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	9/28/11	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL
	4/23/14	NS	NS	NS	NS	NS	NS	NS	NS
MW-19R	6/1/09	**4700**	**44500**	**3700**	**19500**	**2240**	**1010**	**<100**	**3.1**
	9/28/11	**7170**	**32800**	**3720**	**20000**	**30900**	**719**	**<1250**	**11.4**
	4/23/14	**2800**	**26700**	**3110**	**17200**	**7760**	**562**	<25.0	**6.0**
MW-20	10/23/07	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NS	<0.02
	2/27/08	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.02
	12/4/08	<5.0	4.8	1.8	18.5	<5.0	3.0	NS	<0.019
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	2.4 j	<5.0	<0.020
MW-21	2/27/08	**123**	23.0	15.3	569	8.3	**53.4**	<5.0	<0.02
	12/4/08	**1510**	**1870**	**1530**	**11000**	**321**	**598**	NS	**0.53**
	6/1/09	**2650**	**3700**	**1850**	8130	**580**	**756**	<100	**0.66**
	9/28/11	**266**	718	401	1790	**51.5**	**161**	<25	**0.11**
	4/23/14	3.3 j	122	88.1	579	23.3	**80.7**	<5.0	<0.020
MW-22	2/27/08	**9410**	**45300**	**4050**	**21000**	**12300**	**<2500**	NS	**4.0**
	12/4/08	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	9/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	4/23/14	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-23	12/4/08	**19.3**	173	40.5	236	19.4	**40.1**	NS	**0.083**
	6/1/09	<5.0	<5.0	<5.0	<10.0	17.9	<5.0	<5.0	<0.019
	9/28/11	<5.0	3.6	<5.0	5.9	<5.0	<5.0	<5.0	**0.080**
	4/23/14	<5.0	2.9 j	<5.0	<10.0	<5.0	3.8 j	<5.0	<0.020

TABLE 2
Summary of Analytical Data
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	1,2 DCA	EDB
RBSL	**--**	**5**	**1000**	**700**	**10000**	**40**	**25**	**5**	**0.05**
MW-24	12/4/08	1.9	65.8	40.9	573	<5.0	**90.2**	NS	<0.019
	6/1/09	**168**	105	121	705	35.7	**49.0**	<5.0	<0.020
	9/28/11	**83.6**	5.0	18.7	186	**109**	23.9	<5.0	<0.020
	4/23/14	4.2 j	<5.0	<5.0	111	7.8	13.2	<5.0	<0.020
MW-25	12/4/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/1/09	<5.0	<5.0	<5.0	6.9	<5.0	<5.0	<5.0	<0.019
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
	4/23/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-26	12/4/08	**596**	33.0	25.4	179	20.5	**51.6**	NS	**0.26**
	6/1/09	**715**	<25.0	12.5	229	25.9	**61.8**	**26.4**	**0.11**
	9/28/11	**667**	<25.0	<25.0	155	26.0	**53.5**	**25.0**	**0.14**
	4/22/14	**121**	<5.0	<5.0	25.7	5.5	7.3	**6.4**	<0.020
MW-27	12/4/08	**1620**	67.8	62.0	1000	**4800**	**125**	NS	**0.93**
	6/1/09	**1160**	<100	<100	375	**2850**	**<100**	**91.2**	**0.36**
	9/28/11	<5.0	<5.0	<5.0	<10.0	23.7	4.2	<5.0	<0.020
	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
MW-28	12/4/08	**1010**	19.6	6.7	1110	**2540**	**200**	NS	**0.48**
	6/1/09	**3940**	50.3	29.6	1410	**6750**	**358**	**159**	**0.81**
	9/28/11	**474**	<12.5	<12.5	9.9	**3090**	21.2	**68.9**	**0.14**
	4/22/14	**66.0**	1.8	<5.0	<10.0	**428**	<5.0	**26.1**	<0.020
MW-29	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
	9/28/11	<5.0	5.1	<5.0	9.6	<5.0	5.7	<5.0	<0.020
	4/23/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-30	6/1/09	**13.8**	11.0	7.9	196	13.2	**88.8**	<10.0	<0.019
	9/28/11	**41.7**	18.1	5.5	77.0	**70.0**	**49.0**	<5.0	<0.020
	4/23/14	<5.0	3.3	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-31	6/1/09	<5.0	1.8	<5.0	3.0	<5.0	<5.0	<5.0	<0.019
	9/28/11	<5.0	112	171	825	<5.0	**92.1**	<5.0	<0.019
	4/23/14	<5.0	20.3	9.3	59.9	<5.0	14.8	<5.0	<0.020
MW-32	6/1/09	<5.0	2.4	<5.0	4.9	<5.0	<5.0	<5.0	<0.019
	9/28/11	<5.0	43.7	4.4	27.5	<5.0	7.9	<5.0	<0.020
	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-33	6/1/09	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	9/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	4/22/14	**41.9**	591	188	1020	**218**	**45.7**	<25.0	<0.020
MW-34	6/1/09	**8570**	**45200**	**3510**	**18300**	**9560**	**665**	<100	8.0
	9/28/11	**5120**	**38500**	**3980**	**22600**	**28200**	**1790**	<1250	**6.3**
	4/22/14	<100	729	598	5650	<100	**232**	<100	<0.019
MW-35	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
	9/28/11	<5.0	<5.0	<5.0	2.9	<5.0	<5.0	<5.0	<0.020
	4/22/14	<5.0	5.7	5.9	41.1	<5.0	14.6	<5.0	<0.020
MW-36	6/1/09	<5.0	<5.0	<5.0	<10.0	4.6	<5.0	<5.0	<0.019
	9/28/11	<5.0	<5.0	<5.0	<10.0	2.0	<5.0	<5.0	<0.020
	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019

TABLE 2
Summary of Analytical Data
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	1,2 DCA	EDB
RBSL	**--**	**5**	**1000**	**700**	**10000**	**40**	**25**	**5**	**0.05**
MW-37	6/1/09	<5.0	<5.0	<5.0	<10.0	**247**	<5.0	<5.0	<0.019
	9/28/11	<10.0	<10.0	<10.0	<20.0	**185**	<10.0	<10.0	<0.020
	4/22/14	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL
MW-38	6/1/09	<5.0	<5.0	<5.0	<10.0	**319**	<5.0	<5.0	<0.019
	9/28/11	<5.0	10.9	<5.0	<10.0	7.0	<5.0	<5.0	<0.020
	4/22/14	<5.0	<5.0	<5.0	<10.0	4.4	<5.0	<5.0	<0.019
MW-39	6/1/09	<5.0	<5.0	<5.0	<10.0	12.4	<5.0	<5.0	<0.019
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
MW-40	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
MW-41	6/1/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-42	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-43	6/1/09	<5.0	<5.0	<5.0	<10.0	12.0	<5.0	<5.0	<0.019
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
MW-44	9/28/10	**83.8**	<25.0	<25.0	49.4	**593**	**43.4**	**6.5**	**0.15**
	9/28/11	<25.0	<25.0	<25.0	<50.0	**478**	<25.0	<25.0	**0.14**
	4/22/14	<5.0	<5.0	<5.0	<10.0	**83.9**	<5.0	<5.0	<0.020
MW-45	9/28/10	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.02
	9/28/11	<5.0	<5.0	<5.0	<10.0	9.0	<5.0	<5.0	<0.020
	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-46	9/28/10	<5.0	<5.0	<5.0	<10.0	11.8	<5.0	<5.0	<0.019
	9/28/11	<5.0	<5.0	<5.0	<10.0	2.8	<5.0	<5.0	<0.020
	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-47	9/28/10	<5.0	<5.0	<5.0	<10.0	20.6	<5.0	<5.0	<0.019
	9/28/11	<5.0	<5.0	<5.0	<10.0	**52.3**	<5.0	<5.0	<0.020
	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-48	2/28/11	<5.0	<5.0	<5.0	<10.0	2.7	<5.0	<5.0	<0.02
	9/28/11	<5.0	<5.0	<5.0	<10.0	1.8	<5.0	<5.0	<0.020
	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
MW-49	2/28/11	<5.0	26.6	14.9	80.1	**57.4**	6.1	<5.0	<0.02
	9/28/11	<5.0	<5.0	<5.0	<10.0	**44.9**	<5.0	<5.0	<0.020
	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-50	2/28/11	**16.1**	530	294	1390	35.4	**143**	<25.0	<0.02
	9/28/11	**24.2**	14.7	193	347	34.9	**91.8**	<10.0	<0.020
	4/22/14	**16.4**	<5.0	5.3	<10.0	**122**	15.7	<5.0	<0.020

TABLE 2
Summary of Analytical Data
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	1,2 DCA	EDB
RBSL	**--**	**5**	**1000**	**700**	**10000**	**40**	**25**	**5**	**0.05**
MW-51	2/28/11	**2710**	**7210**	**2510**	7150	**1780**	**643**	<50	**0.38**
	9/28/11	**4410**	**5820**	**3970**	**12300**	**270**	**517**	<250	**0.69**
	4/22/14	**2900**	**5290**	**3100**	8450	**351**	**502**	<250	**0.14**
MW-52	3/22/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.02
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-53	2/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	9/28/11	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
	4/22/14	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-54	9/28/11	<5.0	15.0	7.6	44.0	2.7	8.5	<5.0	<0.020
	4/22/14	<5.0	<5.0	<5.0	<10.0	6.5	<5.0	<5.0	<0.020
MW-55	9/28/11	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-56	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
	4/23/14	<5.0	8.8	2.9	18.5	<5.0	2.1	<5.0	<0.020
T-1	2/28/06	NS	NS	NS	NS	NS	NS	NS	NS
	5/30/07	**41**	240	120	790	**1500**	**260**	NS	**0.71**
	10/23/07	**<25**	44.7	<25	<50	**655**	<25	NS	**0.10**
	2/27/08	**5.4**	28.0	3.9	21.4	**232**	21.8	<5.0	<0.02
	12/4/08	3.2	64.0	24.5	128	**92.0**	7.1	NS	<0.02
	6/1/09	**4.9**	<5.0	<5.0	5.6	**76.1**	<5.0	<5.0	<0.019
	9/28/11	**14.8**	4.3	<5.0	11.0	**50.2**	<5.0	<5.0	<0.020
	4/23/14	<5.0	7.8	4.7	31.6	<5.0	17.2	<5.0	<0.020
T-2	10/23/07	<5.0	33.2	9.9	52.5	<5.0	6.9	NS	<0.02
	2/27/08	<5.0	7.1	<5.0	5.3	<5.0	3.5	<5.0	<0.02
	12/4/08	<5.0	1.9	<5.0	<10.0	<5.0	<5.0	NS	<0.019
	6/1/09	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
T-3	6/1/09	**358**	<25.0	<25.0	43.5	**985**	17.8	**28.5**	<0.019
	9/28/11	<25.0	<25.0	<25.0	<50.0	**687**	<25.0	<25.0	**0.12**
	4/22/14	<5.0	<5.0	<5.0	<10.0	**197**	<5.0	<5.0	<0.020
T-4	9/28/10	<5.0	<5.0	<5.0	<10.0	4.8	<5.0	<5.0	<0.02
	9/28/11	<5.0	<5.0	<5.0	<10.0	6.7	4.2	<5.0	<0.020
	4/22/14	<5.0	<5.0	<5.0	<10.0	6.3	<5.0	<5.0	<0.020
T-5	9/28/10	<5.0	<5.0	<5.0	<10.0	2.8	<5.0	<5.0	<0.02
	9/28/11	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020

TABLE 2
Summary of Analytical Data
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	1,2 DCA	EDB
RBSL	**--**	**5**	**1000**	**700**	**10000**	**40**	**25**	**5**	**0.05**
Creek (SW-1)	2/28/11	**345**	183	118	191	**573**	**31.8**	NS	NS
	9/28/11	**150**	41.2	60.6	64.5	**374**	12.0	<5.0	<0.020
	4/22/14	**313**	185	120	142	**589**	**40.0**	<25.0	<0.019
QA / QC Data									
Dup. 1 (MW-20)	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
Dup. 2 (MW-10)	4/23/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
Dup. 3 (MW-17)	4/23/14	**666**	**5460**	**1360**	7800	**1310**	**684**	<250	**2.7**
Field Blank 1	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
Field Blank 2	4/23/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
Trip Blank	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	NS
Trip Blank 1	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	NS
Trip Blank 2	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	NS

TABLE 3
Oxygenate Data
Corner Stop #28
Ware Shoals, SC

Well #	Date Sampled	(ETBE)	(TAME)	(DIPE)	(TBA)	(TAA)	(TBF)	Ethanol	(ETBA)
RBSL	**	**47**	**128**	**150**	**1400**	**240**	**--**	**10000**	**--**
MW-1	4/23/14	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-2	4/23/14	<100	<100	41.7	<1000	<1000	<500	<2000	<1000
MW-3	4/23/14	<100	64.2	**173**	<1000	<1000	<500	<2000	<1000
MW-4	4/23/14	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
MW-5	4/23/14	<100	<100	23.8	<1000	<1000	<500	<2000	<1000
MW-6R	4/23/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-7	4/23/14	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-9	4/23/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-10	4/23/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-11	4/23/14	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-12R	4/23/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-13	4/23/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-14	4/22/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-15	4/23/14	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-15R	4/23/14	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-16	4/23/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-17	4/23/14	See Dup 3	See Dup 3	See Dup 3	See Dup 3	See Dup 3	See Dup 3	See Dup 3	See Dup 3
MW-18	4/23/14	<100	<100	37.9	<1000	<1000	<500	<2000	<1000
MW-19R	4/23/14	<50.0	**287**	**404**	**2280**	**2300**	<250	<1000	<500
MW-20	4/22/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-21	4/23/14	<10.0	<10.0	<5.0	446	186	<50.0	<200	<100
MW-22	4/23/14	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-23	4/23/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-24	4/23/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-25	4/23/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-26	4/22/14	<10.0	<10.0	48.6	85.1	**448**	<50.0	<200	<100
MW-27	4/22/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-28	4/22/14	<10.0	62.4	**315**	111	**1410**	<50.0	<200	<100
MW-29	4/23/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-30	4/23/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-31	4/23/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-32	4/22/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-33	4/22/14	<50.0	<50.0	<25.0	<500	<500	<250	<1000	<500
MW-34	4/22/14	<200	<200	<100	<2000	<2000	<1000	<4000	<2000
MW-35	4/22/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-36	4/22/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-37	4/22/14	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL
MW-38	4/22/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-39	4/22/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-40	4/22/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-41	4/22/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-42	4/22/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-43	4/22/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100

TABLE 3 **Oxygenate Data** **Corner Stop #28** **Ware Shoals, SC**									
Well #	**Date Sampled**	**(ETBE)**	**(TAME)**	**(DIPE)**	**(TBA)**	**(TAA)**	**(TBF)**	**Ethanol**	**(ETBA)**
RBSL	**	**47**	**128**	**150**	**1400**	**240**	**--**	**10000**	**--**
MW-44	4/22/14	<10.0	<10.0	9.8	<100	<100	<50.0	<200	<100
MW-45	4/22/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-46	4/22/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-47	4/22/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-48	4/22/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-49	4/22/14	<10.0	<10.0	2.6	<100	<100	<50.0	<200	<100
MW-50	4/22/14	<10.0	4.9	35.8	<100	<100	<50.0	<200	<100
MW-51	4/22/14	<500	<500	<250	<5000	<5000	<2500	<10000	<5000
MW-52	4/22/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-53	4/22/14	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-54	4/22/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-55	4/22/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
MW-56	4/23/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
T-1	4/23/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
T-2	4/22/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
T-3	4/22/14	<10.0	<10.0	22.3	<100	<100	<50.0	<200	<100
T-4	4/22/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
T-5	4/22/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
Creek	4/22/14	<50.0	25.3	47.0	<500	<500	<250	<1000	<500
QA /QC Data									
Dup. 1 (MW-20)	4/22/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
Dup. 2 (MW-10)	4/23/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
Dup. 3 (MW-17)	4/23/14	<500	<500	99.2	<5000	<5000	<2500	<10000	<5000
Field Blank 1	4/22/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
Field Blank 2	4/23/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
Trip Blank	4/22/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
Trip Blank 1	4/22/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100
Trip Blank 2	4/22/14	<10.0	<10.0	<5.0	<100	<100	<50.0	<200	<100

Note: All results in µg/l.

3.0 CONCLUSIONS

All data was reviewed thoroughly by KLM's Quality Assurance Officer and the data was determined to be valid. Free product was detected in monitoring wells MW-1, MW-7, MW-11, MW-15R, MW-22 and MW-53 during the sampling event on April 22nd, and 23rd 2014. No measurable free product was detected in monitoring well MW-33 which historically contained free product. However, due to the high water table, the water in MW-33 was above the well screen making the presence of free product in that location uncertain. Monitoring wells MW-2, MW-3, MW-5, MW-16, MW-17, MW-18, MW-19R, MW-21, MW-26, MW-28, MW-33, MW-34, MW-44, MW-50, MW-51, deep well T-3 and the creek sample SW-1 were reported by the laboratory to have dissolved phase contamination above Risk Based Screening Levels (RBSLs). The free product plume at the Corner Stop #28 site extends over 700 feet to the south of the tank basin heading directly toward the creek. The creek has been impacted with benzene, MTBE and naphthalene over RBSL's. Telescoping well T-3 was reported by the laboratory to have MTBE at 197 ppb.

Since the data from this sampling event will be used for contractors to bid on the remediation of this site, KLM believes it is important to determine if free product is present at MW-33. KLM recommends installing a shallower well in that area with a different well screen interval to determine if free phase product is still present and if so, the free product thickness.

4.0 REFERENCES

KLM Environmental, LLC, *Assessment Report*, October, 2011

KLM Environmental, LLC, *Assessment Report*, February, 2011

KLM Environmental, LLC, *Assessment Report*, October, 2010

KLM Environmental, LLC, *Monitoring Report*, June, 2009.

KLM Environmental, LLC, *Monitoring Report*, December, 2008.

KLM Environmental, LLC, *Monitoring Report*, March, 2008.

KLM Environmental, LLC, *Assessment Report*, November, 2007.

KLM Environmental, LLC, *Assessment Report*, June, 2007.

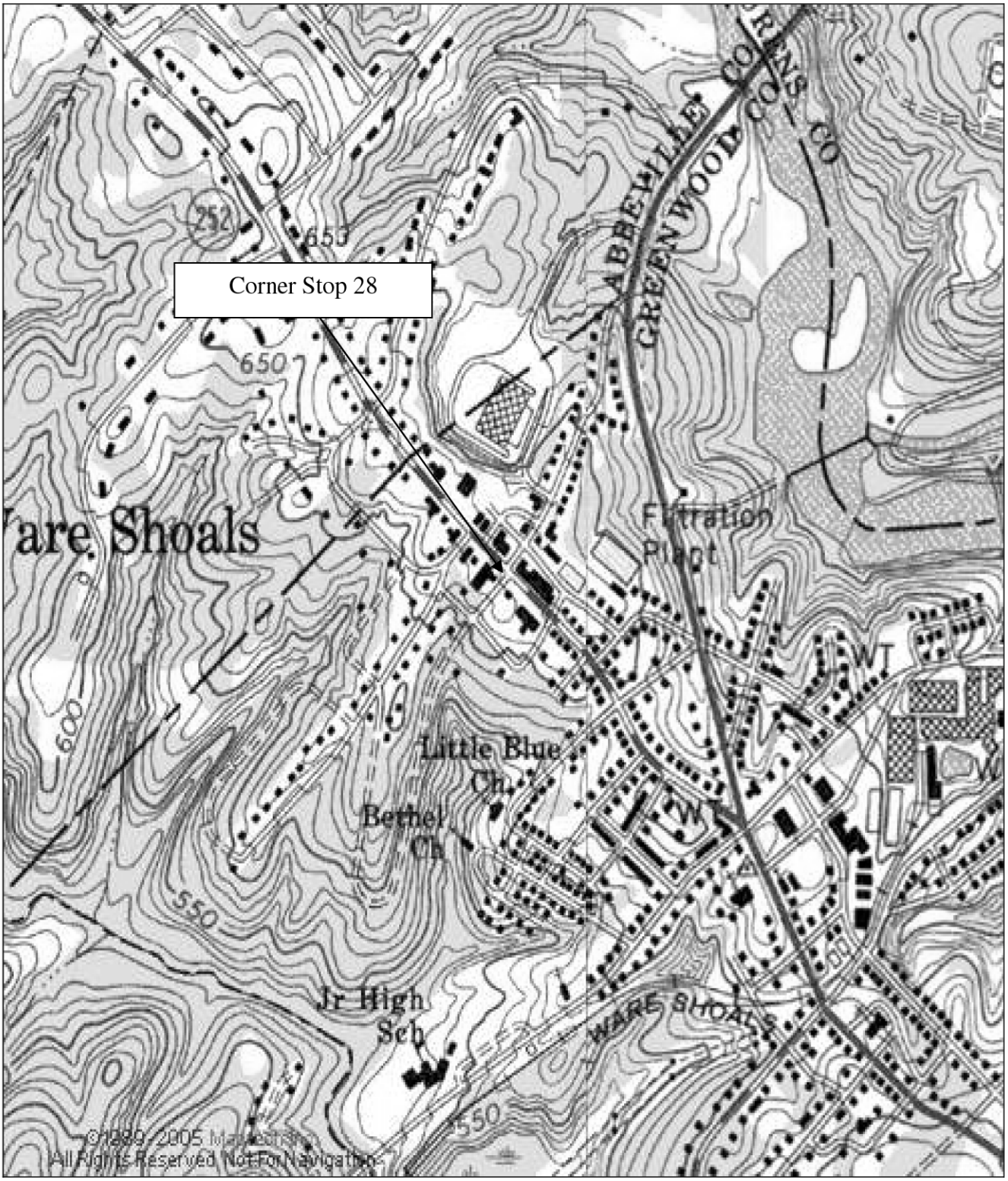
Delta Environmental, Inc., *Monitoring Report*, February 2006.

South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management Underground Storage Tank Program, *South Carolina Risk-Based Corrective Action for Petroleum Releases*, May 15, 2001.

South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management Underground Storage Tank Program, *South Carolina Quality Assurance Program Plan 2.0,* July 1st, 2013.

APPENDIX A

Figures



1 inch = 480 ft

KLM Environmental, LLC

Phase I· Phase II· Underground Storage Tanks·Soil & Water Sampling· Well Installation

Figure 1
USGS Map
Corner Stop 28
Ware Shoals, SC
Project # 05094.10

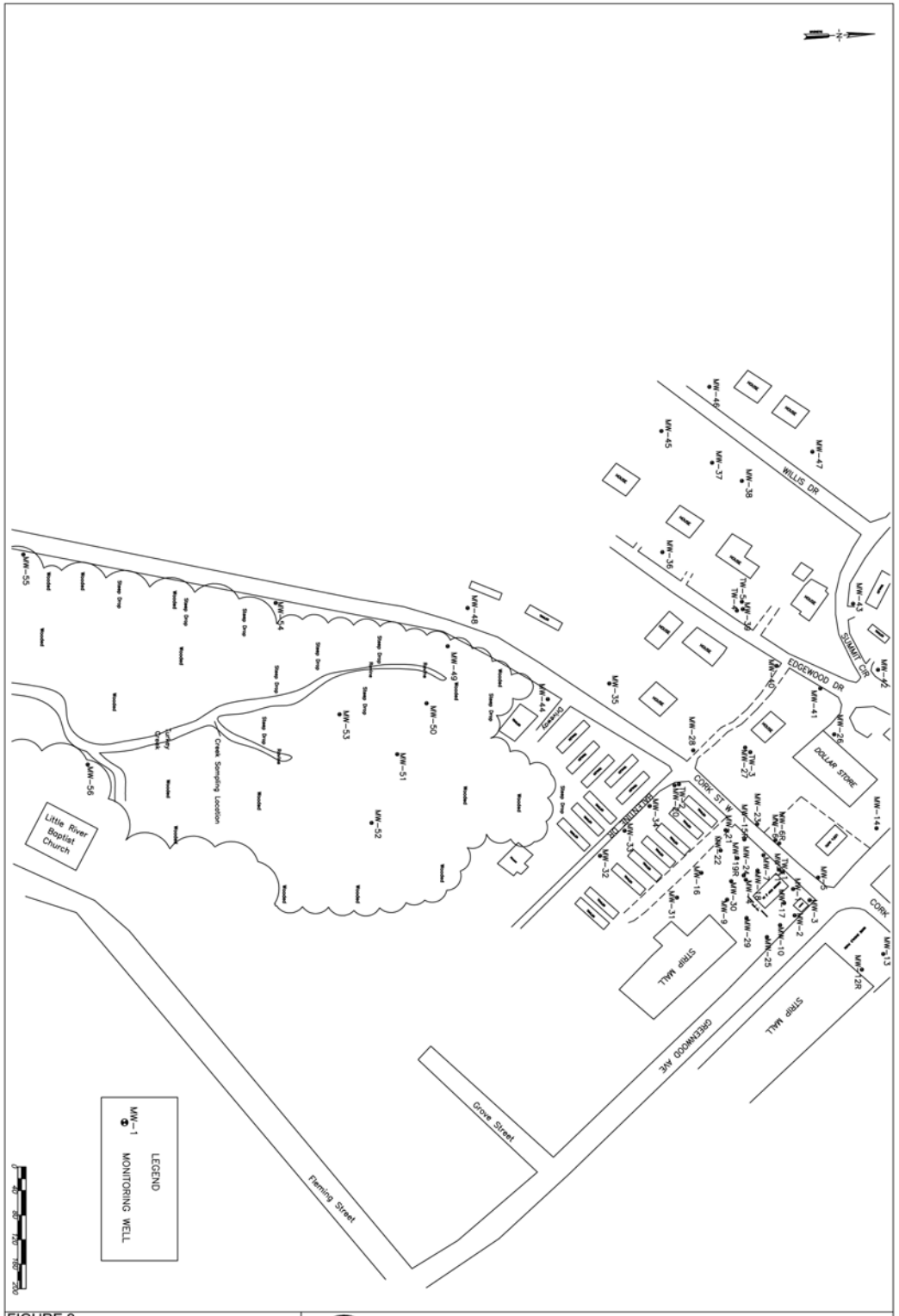


FIGURE 2
SITE MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

TABLE 1 Groundwater Data (feet) Corner Stop #28 Ware Shoals, SC						
Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	GW Elevation
MW-1*	4/23/14	99.42	34-54	44.16	44.38	FP
MW-2	4/23/14	98.19	45-55	--	39.93	58.26
MW-3	4/23/14	99.02	45-55	--	44.49	54.53
MW-4*	4/23/14	102.70	45-60	--	Dry	--
MW-5	4/23/14	99.90	35-60	--	44.67	55.23
MW-6R	4/23/14	101.94	45-65	--	53.24	48.70
MW-7*	4/23/14	101.61	35-60	53.27	53.28	FP
MW-9	4/23/14	96.71	35-60	--	36.63	60.08
MW-10	4/23/14	98.24	35-60	--	34.69	63.55
MW-11*	4/23/14	100.53	30-55	49.97	50.60	FP
MW-12R	4/23/14	99.58	50-70	--	39.41	60.17
MW-13	4/23/14	99.96	40-60	--	40.53	59.43
MW-14	4/22/14	102.92	40-60	--	50.10	52.82
MW-15R*	4/23/14	101.29	50-70	53.68	55.49	FP
MW-16	4/23/14	98.68	40-60	--	48.91	49.77
MW-17	4/23/14	99.05	40-60	--	38.44	60.61
MW-18	4/23/14	101.23	40-60	--	53.49	47.74
MW-19R	4/23/14	102.03	50-70	--	54.83	47.20
MW-20	4/22/14	91.47	40-60	--	48.21	43.26
MW-21	4/23/14	100.39	45-65	--	54.32	46.07
MW-22*	4/23/14	100.39	45-65	53.54	53.55	FP
MW-23	4/23/14	101.62	45-65	--	54.49	47.13
MW-24	4/23/14	101.71	45-65	--	48.59	53.12
MW-25	4/23/14	97.73	45-65	--	34.27	63.46
MW-26	4/22/14	100.01	45-65	--	47.65	52.36
MW-27	4/22/14	94.30	45-65	--	47.32	46.98
MW-28	4/22/14	87.21	45-65	--	43.57	43.64
MW-29	4/23/14	96.72	50-70	--	32.81	63.91
MW-30	4/23/14	102.10	50-70	--	50.09	52.01
MW-31	4/23/14	94.97	50-70	--	38.30	56.67
MW-32	4/22/14	86.78	50-70	--	41.75	45.03
MW-33	4/22/14	88.98	50-70	--	45.93	43.05
MW-34	4/22/14	90.20	50-70	--	47.39	42.81
MW-35	4/22/14	71.30	50-70	--	37.18	34.12
MW-36	4/22/14	81.34	50-70	--	42.93	38.41
MW-37*	4/22/14	67.13	50-70	--	CNL	--
MW-38	4/22/14	72.76	50-70	--	35.59	37.17
MW-39	4/22/14	89.53	50-70	--	43.07	46.46
MW-40	4/22/14	91.41	50-70	--	48.77	42.64
MW-41	4/22/14	94.23	50-70	--	41.82	52.41
MW-42	4/22/14	100.92	50-70	--	50.33	50.59
MW-43	4/22/14	95.52	50-70	--	40.44	55.08
MW-44	4/22/14	63.92	30-50	--	46.27	17.65
MW-45	4/22/14	64.00	30-50	--	29.46	34.54
MW-46	4/22/14	55.65	30-50	--	26.30	29.35
MW-47	4/22/14	68.64	30-50	--	29.92	38.72
MW-48	4/22/14	68.77	35-45	--	36.71	32.06
MW-49	4/22/14	58.36	30-40	--	30.21	28.15
MW-50	4/22/14	58.69	20-30	--	21.63	37.06
MW-51	4/22/14	62.92	30-40	--	30.70	32.22
MW-52	4/22/14	60.02	38-48	--	32.21	27.81
MW-53*	4/22/14	51.61	25-35	31.64	31.89	FP
MW-54	4/22/14	59.23	40-50	--	40.17	19.06
MW-55	4/22/14	39.76	40-50	--	47.89	-8.13
MW-56	4/23/14	37.50	32-42	--	45.58	-8.08
T-1*	4/23/14	100.32	71-81	--	29.42	70.9
T-2*	4/22/14	91.86	76-81	--	48.52	43.34
T-3*	4/22/14	95.68	85-90	--	47.59	48.09
T-4*	4/22/14	89.32	76-81	--	43.53	45.79
T-5*	4/22/14	89.31	85-90	--	52.59	36.72

KLM Environmental, LLC

Phase I Phase II Underground Storage Tanks Soil & Water Sampling Well Installation

FIGURE 3
PIEZOMETRIC MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

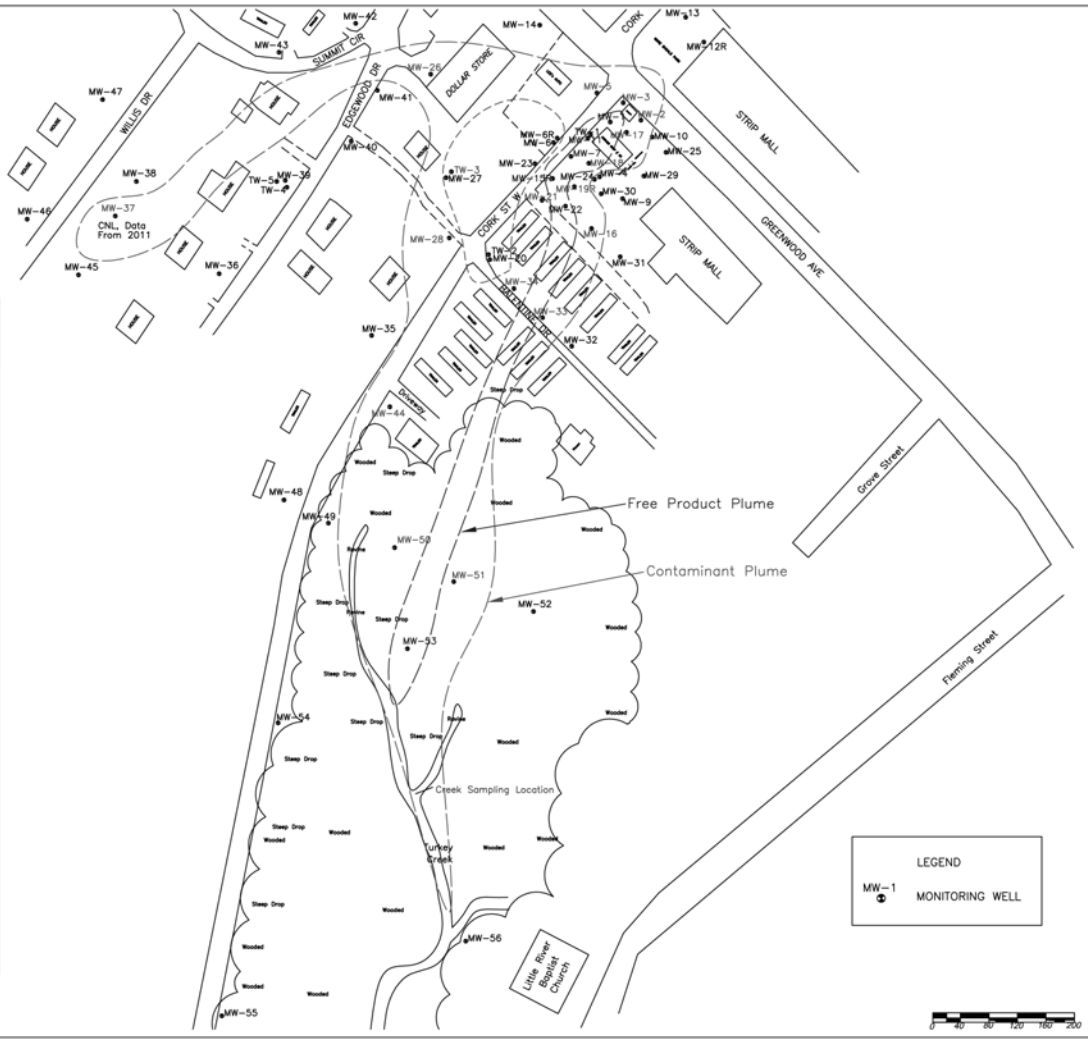


TABLE 2
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	1,2 DCA	EDB
RBSL	--	**5**	**1000**	**700**	**10000**	**40**	**25**	**5**	**0.05**
MW-1	4/23/14	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-2	4/23/14	**230**	**3520**	**1100**	7770	**458**	**491**	<50.0	**2.5**
MW-3	4/23/14	**795**	**5250**	613	**12200**	**1810**	**695**	<50.0	**1.2**
MW-4	4/23/14	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
MW-5	4/23/14	**30.9**	271	134	1570	**255**	**496**	<50.0	**0.13**
MW-6R	4/23/14	<5.0	12.9	8.7	71.9	<5.0	15.3	<5.0	<0.020
MW-7	4/23/14	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-9	4/23/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-10	4/23/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-11	4/23/14	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-12R	4/23/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-13	4/23/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-14	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-15	4/23/14	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-15R	4/23/14	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-16	4/23/14	<5.0	112	16.5	820	<5.0	**150**	<5.0	<0.020
Dup 3 (MW-17)	4/23/14	**666**	**5490**	**1360**	7800	**1310**	**684**	<250	**2.7**
MW-18	4/23/14	**202**	**7580**	**4280**	**19000**	**126**	**797**	<50.0	<0.019
MW-19R	4/23/14	**2800**	**26700**	**3110**	**17200**	**7760**	**562**	<25.0	**6.0**
MW-20	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	**2.4**	<5.0	<0.020
MW-21	4/23/14	3.3	122	88.1	579	23.3	**65.7**	<5.0	<0.020
MW-22	4/23/14	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-23	4/23/14	<5.0	2.9	<5.0	<10.0	<5.0	3.8	<5.0	<0.020
MW-24	4/23/14	4.3	<5.0	<5.0	111	7.6	13.2	<5.0	<0.020
MW-25	4/23/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-26	4/23/14	**121**	<5.0	<5.0	35.7	5.5	7.3	**6.4**	<0.020
MW-27	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
MW-28	4/22/14	**66.0**	1.8	<5.0	<10.0	**426**	<5.0	**20.1**	<0.020
MW-29	4/23/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-30	4/23/14	<5.0	3.3	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-31	4/23/14	<5.0	20.3	6.3	59.9	<5.0	14.5	<5.0	<0.020
MW-32	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-33	4/22/14	**41.9**	591	168	1020	**218**	**45.7**	<25.0	<0.020
MW-34	4/22/14	<100	729	598	5650	<100	**232**	<100	<0.019
MW-35	4/22/14	<5.0	5.7	5.9	41.1	<5.0	14.8	<5.0	<0.020
MW-36	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
MW-37*	9/28/11	<10.0	<10.0	<10.0	<20.0	**185**	<10.0	<10.0	<0.020
MW-38	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
MW-39	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
MW-40	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-41	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-42	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
MW-43	4/22/14	<5.0	<5.0	<5.0	<10.0	**83.9**	<5.0	<5.0	<0.020
MW-44	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-45	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-46	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-47	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-48	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
MW-49	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-50	4/22/14	**16.4**	<5.0	5.3	<10.0	**122**	15.7	<5.0	<0.020
MW-51	4/22/14	**2900**	**5290**	**3100**	8450	**351**	**502**	<250	**0.14**
MW-52	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-53	4/22/14	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-54	4/22/14	<5.0	<5.0	<5.0	<10.0	6.5	<5.0	<5.0	<0.020
MW-55	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-56	4/23/14	<5.0	8.8	2.9	18.5	<5.0	2.1	<5.0	<0.020
T-1	4/23/14	<5.0	7.8	4.7	31.6	<5.0	17.2	<5.0	<0.020
T-2	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
T-3	4/22/14	<5.0	<5.0	<5.0	<10.0	**197**	<5.0	<5.0	<0.020
T-4	4/23/14	<5.0	<5.0	<5.0	<10.0	6.3	<5.0	<5.0	<0.020
T-5	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
Creek	4/22/14	**313**	185	120	542	**589**	**40.0**	<25.0	<0.019

KLM Environmental, LLC

Phase I · Phase II · Underground Storage Tanks · Soil & Water Sampling · Well Installation

FIGURE 4
COC MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

APPENDIX B

Laboratory Data / Sampling Sheets / Historical Well Data

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

May 05, 2014

Mr. Mark Keller
KLM Environmental
PO Box 2704
Goose Creek, SC 29445

RE: Project: Corner Stop 28
Pace Project No.: 92198799

Dear Mr. Keller:
Enclosed are the analytical results for sample(s) received by the laboratory on April 25, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,

Kevin Herring
kevin.herring@pacelabs.com
Project Manager

Enclosures

cc: Micah Bennett, KLM

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

CERTIFICATIONS

Project: Corner Stop 28
Pace Project No.: 92198799

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

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(704)875-9092

SAMPLE SUMMARY

Project: Corner Stop 28
Pace Project No.: 92198799

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92198799001	05659 MW-2	Water	04/23/14 10:30	04/25/14 09:15
92198799002	05659 MW-3	Water	04/23/14 11:00	04/25/14 09:15
92198799003	05659 MW-5	Water	04/23/14 11:45	04/25/14 09:15
92198799004	05659 MW-6R	Water	04/23/14 12:00	04/25/14 09:15
92198799005	05659 MW-9	Water	04/23/14 10:15	04/25/14 09:15
92198799006	05659 MW-12R	Water	04/23/14 09:00	04/25/14 09:15
92198799007	05659 MW-13	Water	04/23/14 09:15	04/25/14 09:15
92198799008	05659 MW-10	Water	04/23/14 09:30	04/25/14 09:15
92198799009	05659 MW-14	Water	04/22/14 10:00	04/25/14 09:15
92198799010	05659 MW-16	Water	04/23/14 13:30	04/25/14 09:15
92198799012	05659 MW-18	Water	04/23/14 14:15	04/25/14 09:15
92198799013	05659 MW-19R	Water	04/23/14 12:30	04/25/14 09:15
92198799014	05659 MW-20	Water	04/22/14 16:45	04/25/14 09:15
92198799015	05659 MW-21	Water	04/23/14 12:45	04/25/14 09:15
92198799016	05659 MW-23	Water	04/23/14 12:15	04/25/14 09:15
92198799017	05659 MW-24	Water	04/23/14 14:00	04/25/14 09:15
92198799018	05659 MW-25	Water	04/23/14 09:45	04/25/14 09:15
92198799019	05659 MW-26	Water	04/22/14 10:15	04/25/14 09:15
92198799020	05659 MW-27	Water	04/22/14 18:15	04/25/14 09:15
92198799021	05659 MW-28	Water	04/22/14 17:30	04/25/14 09:15
92198799022	05659 MW-29	Water	04/23/14 10:00	04/25/14 09:15
92198799023	05659 MW-30	Water	04/23/14 13:45	04/25/14 09:15
92198799024	05659 MW-31	Water	04/23/14 13:15	04/25/14 09:15
92198799025	05659 MW-32	Water	04/22/14 16:00	04/25/14 09:15
92198799026	05659 MW-33	Water	04/22/14 16:15	04/25/14 09:15
92198799027	05659 MW-34	Water	04/22/14 16:30	04/25/14 09:15
92198799028	05659 MW-35	Water	04/22/14 15:30	04/25/14 09:15
92198799029	05659 MW-36	Water	04/22/14 12:00	04/25/14 09:15
92198799030	05659 MW-38	Water	04/22/14 11:00	04/25/14 09:15
92198799031	05659 MW-39	Water	04/22/14 12:15	04/25/14 09:15
92198799032	05659 MW-40	Water	04/22/14 12:30	04/25/14 09:15
92198799033	05659 MW-41	Water	04/22/14 12:45	04/25/14 09:15
92198799034	05659 MW-42	Water	04/22/14 10:30	04/25/14 09:15
92198799035	05659 MW-43	Water	04/22/14 10:45	04/25/14 09:15
92198799036	05659 MW-44	Water	04/22/14 15:45	04/25/14 09:15
92198799037	05659 MW-45	Water	04/22/14 11:15	04/25/14 09:15
92198799038	05659 MW-46	Water	04/22/14 11:45	04/25/14 09:15

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SAMPLE SUMMARY

Project: Corner Stop 28
Pace Project No.: 92198799

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92198799039	05659 MW-47	Water	04/22/14 11:30	04/25/14 09:15
92198799040	05659 MW-48	Water	04/22/14 14:00	04/25/14 09:15
92198799041	05659 MW-49	Water	04/22/14 14:15	04/25/14 09:15
92198799042	05659 MW-50	Water	04/22/14 14:30	04/25/14 09:15
92198799043	05659 MW-51	Water	04/22/14 14:45	04/25/14 09:15
92198799044	05659 MW-52	Water	04/22/14 15:00	04/25/14 09:15
92198799045	05659 MW-54	Water	04/22/14 13:45	04/25/14 09:15
92198799046	05659 MW-55	Water	04/22/14 13:30	04/25/14 09:15
92198799047	05659 MW-56	Water	04/23/14 14:45	04/25/14 09:15
92198799048	05659 TW-1	Water	04/23/14 11:30	04/25/14 09:15
92198799049	05659 T-2	Water	04/22/14 11:15	04/25/14 09:15
92198799050	05659 T-3	Water	04/22/14 18:00	04/25/14 09:15
92198799051	05659 T-4	Water	04/22/14 12:30	04/25/14 09:15
92198799052	05659 T-5	Water	04/22/14 13:00	04/25/14 09:15
92198799053	05659 Creek	Water	04/22/14 15:20	04/25/14 09:15
92198799054	05659 Duplicate 1	Water	04/22/14 16:45	04/25/14 09:15
92198799055	05659 Duplicate 2	Water	04/23/14 09:55	04/25/14 09:15
92198799056	05659 Duplicate 3	Water	04/23/14 10:45	04/25/14 09:15
92198799057	05659 Field Blank 1	Water	04/22/14 10:05	04/25/14 09:15
92198799058	05659 Field Blank 2	Water	04/23/14 14:05	04/25/14 09:15
92198799059	05659 Trip Blank 1	Water	04/23/14 00:00	04/25/14 09:15
92198799060	05659 Trip Blank 2	Water	04/23/14 00:00	04/25/14 09:15
92198799061	05659 Trip Blank	Water	04/22/14 00:00	04/25/14 09:15

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SAMPLE ANALYTE COUNT

Project: Corner Stop 28
Pace Project No.: 92198799

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92198799001	05659 MW-2	EPA 8011	JMC	2	PASI-C
		EPA 8260	GAW, MCK	20	PASI-C
92198799002	05659 MW-3	EPA 8011	JMC	2	PASI-C
		EPA 8260	GAW, MCK	20	PASI-C
92198799003	05659 MW-5	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799004	05659 MW-6R	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799005	05659 MW-9	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799006	05659 MW-12R	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799007	05659 MW-13	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799008	05659 MW-10	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799009	05659 MW-14	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799010	05659 MW-16	EPA 8011	JMC	2	PASI-C
		EPA 8260	GAW, MCK	20	PASI-C
92198799012	05659 MW-18	EPA 8011	JMC	2	PASI-C
		EPA 8260	GAW, MCK	20	PASI-C
92198799013	05659 MW-19R	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799014	05659 MW-20	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799015	05659 MW-21	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799016	05659 MW-23	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799017	05659 MW-24	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799018	05659 MW-25	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799019	05659 MW-26	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799020	05659 MW-27	EPA 8011	JMC	2	PASI-C

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(704)875-9092

SAMPLE ANALYTE COUNT

Project: Corner Stop 28
Pace Project No.: 92198799

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	MCK	20	PASI-C
92198799021	**05659 MW-28**	EPA 8011	JMC	2	PASI-C
		EPA 8260	GAW, MCK	20	PASI-C
92198799022	**05659 MW-29**	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799023	**05659 MW-30**	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799024	**05659 MW-31**	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799025	**05659 MW-32**	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799026	**05659 MW-33**	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799027	**05659 MW-34**	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799028	**05659 MW-35**	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799029	**05659 MW-36**	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799030	**05659 MW-38**	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799031	**05659 MW-39**	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799032	**05659 MW-40**	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799033	**05659 MW-41**	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799034	**05659 MW-42**	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799035	**05659 MW-43**	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799036	**05659 MW-44**	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799037	**05659 MW-45**	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799038	**05659 MW-46**	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C

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SAMPLE ANALYTE COUNT

Project: Corner Stop 28
Pace Project No.: 92198799

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92198799039	05659 MW-47	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799040	05659 MW-48	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799041	05659 MW-49	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799042	05659 MW-50	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799043	05659 MW-51	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799044	05659 MW-52	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799045	05659 MW-54	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799046	05659 MW-55	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799047	05659 MW-56	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799048	05659 TW-1	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799049	05659 T-2	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799050	05659 T-3	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799051	05659 T-4	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799052	05659 T-5	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799053	05659 Creek	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799054	05659 Duplicate 1	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799055	05659 Duplicate 2	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799056	05659 Duplicate 3	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799057	05659 Field Blank 1	EPA 8011	JMC	2	PASI-C

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SAMPLE ANALYTE COUNT

Project: Corner Stop 28
Pace Project No.: 92198799

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	MCK	20	PASI-C
92198799058	**05659 Field Blank 2**	EPA 8011	JMC	2	PASI-C
		EPA 8260	MCK	20	PASI-C
92198799059	**05659 Trip Blank 1**	EPA 8260	MCK	20	PASI-C
92198799060	**05659 Trip Blank 2**	EPA 8260	MCK	20	PASI-C
92198799061	**05659 Trip Blank**	EPA 8260	MCK	20	PASI-C

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SUMMARY OF DETECTION

Project: Corner Stop 28
Pace Project No.: 92198799

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92198799001	**05659 MW-2**					
EPA 8011	1,2-Dibromoethane (EDB)	2.5	ug/L	0.098	04/29/14 17:33	
EPA 8260	Benzene	230	ug/L	50.0	04/29/14 04:35	
EPA 8260	Diisopropyl ether	41.7J	ug/L	50.0	04/29/14 04:35	
EPA 8260	Ethylbenzene	1100	ug/L	50.0	04/29/14 04:35	
EPA 8260	Methyl-tert-butyl ether	468	ug/L	50.0	04/29/14 04:35	
EPA 8260	Naphthalene	491	ug/L	50.0	04/29/14 04:35	
EPA 8260	Toluene	3520	ug/L	125	04/29/14 22:46	
EPA 8260	Xylene (Total)	7770	ug/L	250	04/29/14 22:46	
EPA 8260	m&p-Xylene	6330	ug/L	250	04/29/14 22:46	
EPA 8260	o-Xylene	1430	ug/L	50.0	04/29/14 04:35	
92198799002	**05659 MW-3**					
EPA 8011	1,2-Dibromoethane (EDB)	1.2	ug/L	0.040	04/29/14 17:53	
EPA 8260	tert-Amylmethyl ether	64.2J	ug/L	100	04/29/14 04:50	
EPA 8260	Benzene	795	ug/L	50.0	04/29/14 04:50	
EPA 8260	Diisopropyl ether	173	ug/L	50.0	04/29/14 04:50	
EPA 8260	Ethylbenzene	613	ug/L	50.0	04/29/14 04:50	
EPA 8260	Methyl-tert-butyl ether	1810	ug/L	50.0	04/29/14 04:50	
EPA 8260	Naphthalene	695	ug/L	50.0	04/29/14 04:50	
EPA 8260	Toluene	5250	ug/L	250	04/29/14 23:02	
EPA 8260	Xylene (Total)	12200	ug/L	500	04/29/14 23:02	
EPA 8260	m&p-Xylene	8480	ug/L	500	04/29/14 23:02	
EPA 8260	o-Xylene	3710	ug/L	250	04/29/14 23:02	
92198799003	**05659 MW-5**					
EPA 8011	1,2-Dibromoethane (EDB)	0.13	ug/L	0.019	04/27/14 08:04	C2
EPA 8260	Benzene	30.0J	ug/L	50.0	04/29/14 05:06	
EPA 8260	Diisopropyl ether	23.8J	ug/L	50.0	04/29/14 05:06	
EPA 8260	Ethylbenzene	184	ug/L	50.0	04/29/14 05:06	
EPA 8260	Methyl-tert-butyl ether	285	ug/L	50.0	04/29/14 05:06	
EPA 8260	Naphthalene	498	ug/L	50.0	04/29/14 05:06	
EPA 8260	Toluene	271	ug/L	50.0	04/29/14 05:06	
EPA 8260	Xylene (Total)	1570	ug/L	100	04/29/14 05:06	
EPA 8260	m&p-Xylene	1030	ug/L	100	04/29/14 05:06	
EPA 8260	o-Xylene	534	ug/L	50.0	04/29/14 05:06	
92198799004	**05659 MW-6R**					
EPA 8260	Ethylbenzene	8.7	ug/L	5.0	04/29/14 02:29	
EPA 8260	Naphthalene	15.3	ug/L	5.0	04/29/14 02:29	
EPA 8260	Toluene	12.9	ug/L	5.0	04/29/14 02:29	
EPA 8260	Xylene (Total)	71.9	ug/L	10.0	04/29/14 02:29	
EPA 8260	m&p-Xylene	47.5	ug/L	10.0	04/29/14 02:29	
EPA 8260	o-Xylene	24.4	ug/L	5.0	04/29/14 02:29	
92198799010	**05659 MW-16**					
EPA 8260	Ethylbenzene	90.5	ug/L	5.0	04/29/14 04:03	
EPA 8260	Naphthalene	150	ug/L	5.0	04/29/14 04:03	
EPA 8260	Toluene	112	ug/L	5.0	04/29/14 04:03	
EPA 8260	Xylene (Total)	620	ug/L	20.0	04/29/14 22:30	

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SUMMARY OF DETECTION

Project: Corner Stop 28
Pace Project No.: 92198799

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92198799010	**05659 MW-16**					
EPA 8260	m&p-Xylene	402	ug/L	20.0	04/29/14 22:30	
EPA 8260	o-Xylene	219	ug/L	10.0	04/29/14 22:30	
92198799012	**05659 MW-18**					
EPA 8260	Benzene	202	ug/L	50.0	04/29/14 05:22	
EPA 8260	Diisopropyl ether	37.9J	ug/L	50.0	04/29/14 05:22	
EPA 8260	Ethylbenzene	4280	ug/L	500	04/29/14 23:18	
EPA 8260	Methyl-tert-butyl ether	126	ug/L	50.0	04/29/14 05:22	
EPA 8260	Naphthalene	797	ug/L	50.0	04/29/14 05:22	
EPA 8260	Toluene	7580	ug/L	500	04/29/14 23:18	
EPA 8260	Xylene (Total)	19300	ug/L	1000	04/29/14 23:18	
EPA 8260	m&p-Xylene	12000	ug/L	1000	04/29/14 23:18	
EPA 8260	o-Xylene	7300	ug/L	500	04/29/14 23:18	
92198799013	**05659 MW-19R**					
EPA 8011	1,2-Dibromoethane (EDB)	6.0	ug/L	0.20	04/29/14 18:34	
EPA 8260	tert-Amyl Alcohol	2300	ug/L	500	04/29/14 08:47	
EPA 8260	tert-Amylmethyl ether	287	ug/L	50.0	04/29/14 08:47	
EPA 8260	Benzene	2800	ug/L	1250	04/30/14 13:36	
EPA 8260	tert-Butyl Alcohol	2280	ug/L	500	04/29/14 08:47	
EPA 8260	Diisopropyl ether	404	ug/L	25.0	04/29/14 08:47	
EPA 8260	Ethylbenzene	3110	ug/L	1250	04/30/14 13:36	
EPA 8260	Methyl-tert-butyl ether	7760	ug/L	1250	04/30/14 13:36	
EPA 8260	Naphthalene	562	ug/L	25.0	04/29/14 08:47	
EPA 8260	Toluene	26700	ug/L	1250	04/30/14 13:36	
EPA 8260	Xylene (Total)	17200	ug/L	2500	04/30/14 13:36	
EPA 8260	m&p-Xylene	11500	ug/L	2500	04/30/14 13:36	
EPA 8260	o-Xylene	5680	ug/L	1250	04/30/14 13:36	
92198799014	**05659 MW-20**					
EPA 8260	Naphthalene	2.4J	ug/L	5.0	04/29/14 05:38	
EPA 8260	o-Xylene	2.1J	ug/L	5.0	04/29/14 05:38	
92198799015	**05659 MW-21**					
EPA 8260	tert-Amyl Alcohol	186	ug/L	100	04/29/14 05:54	
EPA 8260	Benzene	3.3J	ug/L	5.0	04/29/14 05:54	
EPA 8260	tert-Butyl Alcohol	446	ug/L	100	04/29/14 05:54	
EPA 8260	Ethylbenzene	88.1	ug/L	5.0	04/29/14 05:54	
EPA 8260	Methyl-tert-butyl ether	23.3	ug/L	5.0	04/29/14 05:54	
EPA 8260	Naphthalene	80.7	ug/L	5.0	04/29/14 05:54	
EPA 8260	Toluene	122	ug/L	5.0	04/29/14 05:54	
EPA 8260	Xylene (Total)	579	ug/L	10.0	04/29/14 05:54	
EPA 8260	m&p-Xylene	386	ug/L	10.0	04/29/14 05:54	
EPA 8260	o-Xylene	193	ug/L	5.0	04/29/14 05:54	
92198799016	**05659 MW-23**					
EPA 8260	Naphthalene	3.8J	ug/L	5.0	04/29/14 06:09	
EPA 8260	Toluene	2.9J	ug/L	5.0	04/29/14 06:09	
EPA 8260	m&p-Xylene	6.0J	ug/L	10.0	04/29/14 06:09	

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SUMMARY OF DETECTION

Project: Corner Stop 28
Pace Project No.: 92198799

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92198799016	**05659 MW-23**					
EPA 8260	o-Xylene	3.1J	ug/L	5.0	04/29/14 06:09	
92198799017	**05659 MW-24**					
EPA 8260	Benzene	4.2J	ug/L	5.0	04/29/14 06:25	
EPA 8260	Methyl-tert-butyl ether	7.8	ug/L	5.0	04/29/14 06:25	
EPA 8260	Naphthalene	13.2	ug/L	5.0	04/29/14 06:25	
EPA 8260	Xylene (Total)	111	ug/L	10.0	04/29/14 06:25	
EPA 8260	m&p-Xylene	88.2	ug/L	10.0	04/29/14 06:25	
EPA 8260	o-Xylene	23.1	ug/L	5.0	04/29/14 06:25	
92198799019	**05659 MW-26**					
EPA 8260	tert-Amyl Alcohol	448	ug/L	100	04/29/14 06:57	
EPA 8260	Benzene	121	ug/L	5.0	04/29/14 06:57	
EPA 8260	tert-Butyl Alcohol	85.1J	ug/L	100	04/29/14 06:57	
EPA 8260	1,2-Dichloroethane	6.4	ug/L	5.0	04/29/14 06:57	
EPA 8260	Diisopropyl ether	48.6	ug/L	5.0	04/29/14 06:57	
EPA 8260	Methyl-tert-butyl ether	5.5	ug/L	5.0	04/29/14 06:57	
EPA 8260	Naphthalene	7.3	ug/L	5.0	04/29/14 06:57	
EPA 8260	Xylene (Total)	25.7	ug/L	10.0	04/29/14 06:57	
EPA 8260	m&p-Xylene	25.7	ug/L	10.0	04/29/14 06:57	
92198799021	**05659 MW-28**					
EPA 8260	tert-Amyl Alcohol	1410	ug/L	100	04/29/14 07:28	
EPA 8260	tert-Amylmethyl ether	62.4	ug/L	10.0	04/29/14 07:28	
EPA 8260	Benzene	66.0	ug/L	5.0	04/29/14 07:28	
EPA 8260	tert-Butyl Alcohol	111	ug/L	100	04/29/14 07:28	
EPA 8260	1,2-Dichloroethane	26.1	ug/L	5.0	04/29/14 07:28	
EPA 8260	Diisopropyl ether	315	ug/L	25.0	04/29/14 23:34	
EPA 8260	Methyl-tert-butyl ether	428	ug/L	25.0	04/29/14 23:34	
EPA 8260	Toluene	1.8J	ug/L	5.0	04/29/14 07:28	
92198799023	**05659 MW-30**					
EPA 8260	Toluene	3.3J	ug/L	5.0	04/29/14 08:00	
EPA 8260	m&p-Xylene	4.2J	ug/L	10.0	04/29/14 08:00	
EPA 8260	o-Xylene	2.0J	ug/L	5.0	04/29/14 08:00	
92198799024	**05659 MW-31**					
EPA 8260	Ethylbenzene	9.3	ug/L	5.0	04/29/14 08:16	
EPA 8260	Naphthalene	14.8	ug/L	5.0	04/29/14 08:16	
EPA 8260	Toluene	20.3	ug/L	5.0	04/29/14 08:16	
EPA 8260	Xylene (Total)	59.9	ug/L	10.0	04/29/14 08:16	
EPA 8260	m&p-Xylene	38.5	ug/L	10.0	04/29/14 08:16	
EPA 8260	o-Xylene	21.4	ug/L	5.0	04/29/14 08:16	
92198799026	**05659 MW-33**					
EPA 8260	Benzene	41.9	ug/L	25.0	05/01/14 14:52	
EPA 8260	Ethylbenzene	188	ug/L	25.0	05/01/14 14:52	
EPA 8260	Methyl-tert-butyl ether	218	ug/L	25.0	05/01/14 14:52	
EPA 8260	Naphthalene	45.7	ug/L	25.0	05/01/14 14:52	
EPA 8260	Toluene	591	ug/L	25.0	05/01/14 14:52	

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SUMMARY OF DETECTION

Project: Corner Stop 28
Pace Project No.: 92198799

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92198799026	**05659 MW-33**					
EPA 8260	Xylene (Total)	1020	ug/L	50.0	05/01/14 14:52	
EPA 8260	m&p-Xylene	591	ug/L	50.0	05/01/14 14:52	
EPA 8260	o-Xylene	431	ug/L	25.0	05/01/14 14:52	
92198799027	**05659 MW-34**					
EPA 8260	Ethylbenzene	598	ug/L	100	05/01/14 20:39	
EPA 8260	Naphthalene	232	ug/L	100	05/01/14 20:39	
EPA 8260	Toluene	729	ug/L	100	05/01/14 20:39	
EPA 8260	Xylene (Total)	5650	ug/L	200	05/01/14 20:39	
EPA 8260	m&p-Xylene	3760	ug/L	200	05/01/14 20:39	
EPA 8260	o-Xylene	1890	ug/L	100	05/01/14 20:39	
92198799028	**05659 MW-35**					
EPA 8260	Ethylbenzene	5.9	ug/L	5.0	04/30/14 15:26	
EPA 8260	Naphthalene	14.6	ug/L	5.0	04/30/14 15:26	
EPA 8260	Toluene	5.7	ug/L	5.0	04/30/14 15:26	
EPA 8260	Xylene (Total)	41.1	ug/L	10.0	04/30/14 15:26	
EPA 8260	m&p-Xylene	27.4	ug/L	10.0	04/30/14 15:26	
EPA 8260	o-Xylene	13.7	ug/L	5.0	04/30/14 15:26	
92198799030	**05659 MW-38**					
EPA 8260	Methyl-tert-butyl ether	4.4J	ug/L	5.0	04/30/14 15:58	
92198799036	**05659 MW-44**					
EPA 8260	Diisopropyl ether	9.8	ug/L	5.0	04/30/14 19:07	
EPA 8260	Methyl-tert-butyl ether	83.9	ug/L	5.0	04/30/14 19:07	
92198799041	**05659 MW-49**					
EPA 8260	Diisopropyl ether	2.6J	ug/L	5.0	04/30/14 18:35	
92198799042	**05659 MW-50**					
EPA 8260	tert-Amylmethyl ether	4.9J	ug/L	10.0	04/30/14 19:54	
EPA 8260	Benzene	16.4	ug/L	5.0	04/30/14 19:54	
EPA 8260	Diisopropyl ether	35.8	ug/L	5.0	04/30/14 19:54	
EPA 8260	Ethylbenzene	5.3	ug/L	5.0	04/30/14 19:54	
EPA 8260	Methyl-tert-butyl ether	122	ug/L	5.0	04/30/14 19:54	
EPA 8260	Naphthalene	15.7	ug/L	5.0	04/30/14 19:54	
92198799043	**05659 MW-51**					
EPA 8011	1,2-Dibromoethane (EDB)	0.14	ug/L	0.020	04/27/14 20:36	
EPA 8260	Benzene	2900	ug/L	250	04/30/14 20:26	
EPA 8260	Ethylbenzene	3100	ug/L	250	04/30/14 20:26	
EPA 8260	Methyl-tert-butyl ether	351	ug/L	250	04/30/14 20:26	
EPA 8260	Naphthalene	502	ug/L	250	04/30/14 20:26	
EPA 8260	Toluene	5290	ug/L	250	04/30/14 20:26	
EPA 8260	Xylene (Total)	8450	ug/L	500	04/30/14 20:26	
EPA 8260	m&p-Xylene	4520	ug/L	500	04/30/14 20:26	
EPA 8260	o-Xylene	3930	ug/L	250	04/30/14 20:26	

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SUMMARY OF DETECTION

Project: Corner Stop 28
Pace Project No.: 92198799

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92198799045	**05659 MW-54**					
EPA 8260	Methyl-tert-butyl ether	6.5	ug/L	5.0	04/30/14 19:23	
92198799047	**05659 MW-56**					
EPA 8260	Ethylbenzene	2.9J	ug/L	5.0	04/30/14 20:57	
EPA 8260	Naphthalene	2.1J	ug/L	5.0	04/30/14 20:57	
EPA 8260	Toluene	8.8	ug/L	5.0	04/30/14 20:57	
EPA 8260	Xylene (Total)	18.5	ug/L	10.0	04/30/14 20:57	
EPA 8260	m&p-Xylene	12.3	ug/L	10.0	04/30/14 20:57	
EPA 8260	o-Xylene	6.2	ug/L	5.0	04/30/14 20:57	
92198799048	**05659 TW-1**					
EPA 8260	Ethylbenzene	4.7J	ug/L	5.0	04/30/14 21:13	
EPA 8260	Naphthalene	17.2	ug/L	5.0	04/30/14 21:13	
EPA 8260	Toluene	7.8	ug/L	5.0	04/30/14 21:13	
EPA 8260	Xylene (Total)	31.6	ug/L	10.0	04/30/14 21:13	
EPA 8260	m&p-Xylene	20.4	ug/L	10.0	04/30/14 21:13	
EPA 8260	o-Xylene	11.2	ug/L	5.0	04/30/14 21:13	
92198799050	**05659 T-3**					
EPA 8260	Diisopropyl ether	22.3	ug/L	5.0	04/30/14 21:45	
EPA 8260	Methyl-tert-butyl ether	197	ug/L	5.0	04/30/14 21:45	
92198799051	**05659 T-4**					
EPA 8260	Methyl-tert-butyl ether	6.3	ug/L	5.0	04/30/14 22:01	
92198799053	**05659 Creek**					
EPA 8260	tert-Amylmethyl ether	25.3J	ug/L	50.0	04/30/14 23:03	
EPA 8260	Benzene	313	ug/L	25.0	04/30/14 23:03	
EPA 8260	Diisopropyl ether	47.0	ug/L	25.0	04/30/14 23:03	
EPA 8260	Ethylbenzene	120	ug/L	25.0	04/30/14 23:03	
EPA 8260	Methyl-tert-butyl ether	589	ug/L	25.0	04/30/14 23:03	
EPA 8260	Naphthalene	40.0	ug/L	25.0	04/30/14 23:03	
EPA 8260	Toluene	185	ug/L	25.0	04/30/14 23:03	
EPA 8260	Xylene (Total)	142	ug/L	50.0	04/30/14 23:03	
EPA 8260	m&p-Xylene	78.6	ug/L	50.0	04/30/14 23:03	
EPA 8260	o-Xylene	63.6	ug/L	25.0	04/30/14 23:03	
92198799054	**05659 Duplicate 1**					
EPA 8260	o-Xylene	4.1J	ug/L	5.0	04/30/14 22:32	
92198799056	**05659 Duplicate 3**					
EPA 8011	1,2-Dibromoethane (EDB)	2.7	ug/L	0.10	05/01/14 21:29	
EPA 8260	Benzene	666	ug/L	250	05/01/14 21:10	
EPA 8260	Diisopropyl ether	99.2J	ug/L	250	05/01/14 21:10	
EPA 8260	Ethylbenzene	1360	ug/L	250	05/01/14 21:10	
EPA 8260	Methyl-tert-butyl ether	1310	ug/L	250	05/01/14 21:10	
EPA 8260	Naphthalene	684	ug/L	250	05/01/14 21:10	
EPA 8260	Toluene	5460	ug/L	250	05/01/14 21:10	
EPA 8260	Xylene (Total)	7800	ug/L	500	05/01/14 21:10	
EPA 8260	m&p-Xylene	6030	ug/L	500	05/01/14 21:10	

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SUMMARY OF DETECTION

Project: Corner Stop 28
Pace Project No.: 92198799

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92198799056	**05659 Duplicate 3**					
EPA 8260	o-Xylene	1770	ug/L	250	05/01/14 21:10	

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PROJECT NARRATIVE

Project: Corner Stop 28
Pace Project No.: 92198799

Method: **EPA 8011**
Description: 8011 GCS EDB and DBCP
Client: KLM
Date: May 05, 2014

General Information:
57 samples were analyzed for EPA 8011. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 8011 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/27293

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- 05659 MW-19R (Lab ID: 92198799013)
  - 1-Chloro-2-bromopropane (S)
- 05659 MW-2 (Lab ID: 92198799001)
  - 1-Chloro-2-bromopropane (S)

QC Batch: OEXT/27297

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- 05659 Duplicate 3 (Lab ID: 92198799056)
  - 1-Chloro-2-bromopropane (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Corner Stop 28
Pace Project No.: 92198799

Method: **EPA 8011**
Description: 8011 GCS EDB and DBCP
Client: KLM
Date: May 05, 2014

Analyte Comments:

QC Batch: OEXT/27293

C2: Relative percent difference between results from each column was greater than 40%. The lower of the two results was reported.

- 05659 MW-5 (Lab ID: 92198799003)
  - 1,2-Dibromoethane (EDB)

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PROJECT NARRATIVE

Project: Corner Stop 28
Pace Project No.: 92198799

Method: **EPA 8260**
Description: 8260 MSV
Client: KLM
Date: May 05, 2014

General Information:
60 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/26631

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
- LCS (Lab ID: 1188531)
  - Diisopropyl ether

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/26602

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92198914005

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
- MS (Lab ID: 1188405)
  - 1,2-Dichloroethane
  - Diisopropyl ether
  - Methyl-tert-butyl ether
  - tert-Butyl Formate
- MSD (Lab ID: 1188406)
  - 1,2-Dichloroethane
  - Diisopropyl ether
  - Methyl-tert-butyl ether

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PROJECT NARRATIVE

Project: Corner Stop 28
Pace Project No.: 92198799

Method: **EPA 8260**
Description: 8260 MSV
Client: KLM
Date: May 05, 2014

QC Batch: MSV/26602

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92198914005

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- tert-Butyl Formate

QC Batch: MSV/26605

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92198799014

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 1188387)
  - Diisopropyl ether
  - tert-Butyl Formate
- MSD (Lab ID: 1188388)
  - 1,2-Dichloroethane
  - Diisopropyl ether
  - Methyl-tert-butyl ether
  - tert-Amyl Alcohol
  - tert-Butyl Formate

QC Batch: MSV/26631

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92198799028

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 1189482)
  - tert-Butyl Formate
- MSD (Lab ID: 1189483)
  - tert-Butyl Formate

QC Batch: MSV/26632

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92198799047

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 1189489)
  - 1,2-Dichloroethane
  - tert-Butyl Formate
- MSD (Lab ID: 1189490)
  - 1,2-Dichloroethane
  - tert-Butyl Formate

R1: RPD value was outside control limits.

- MSD (Lab ID: 1189490)
  - 1,2-Dichloroethane

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-2 **Lab ID: 92198799001** Collected: 04/23/14 10:30 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	**2.5**	ug/L	0.098	0.098	5	04/27/14 01:11	04/29/14 17:33	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		5	04/27/14 01:11	04/29/14 17:33	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	1000	768	10		04/29/14 04:35	75-85-4	
tert-Amylmethyl ether	ND	ug/L	100	34.0	10		04/29/14 04:35	994-05-8	
Benzene	**230**	ug/L	50.0	17.0	10		04/29/14 04:35	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	1000	321	10		04/29/14 04:35	624-95-3	
tert-Butyl Alcohol	ND	ug/L	1000	577	10		04/29/14 04:35	75-65-0	
tert-Butyl Formate	ND	ug/L	500	73.0	10		04/29/14 04:35	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	18.0	10		04/29/14 04:35	107-06-2	
Diisopropyl ether	**41.7J**	ug/L	50.0	17.0	10		04/29/14 04:35	108-20-3	
Ethanol	ND	ug/L	2000	1380	10		04/29/14 04:35	64-17-5	
Ethylbenzene	**1100**	ug/L	50.0	16.0	10		04/29/14 04:35	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	100	36.0	10		04/29/14 04:35	637-92-3	
Methyl-tert-butyl ether	**468**	ug/L	50.0	17.0	10		04/29/14 04:35	1634-04-4	
Naphthalene	**491**	ug/L	50.0	20.0	10		04/29/14 04:35	91-20-3	
Toluene	**3520**	ug/L	125	40.0	25		04/29/14 22:46	108-88-3	
Xylene (Total)	**7770**	ug/L	250	67.5	25		04/29/14 22:46	1330-20-7	
m&p-Xylene	**6330**	ug/L	250	77.5	25		04/29/14 22:46	179601-23-1	
o-Xylene	**1430**	ug/L	50.0	16.0	10		04/29/14 04:35	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		10		04/29/14 04:35	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-130		10		04/29/14 04:35	17060-07-0	
Toluene-d8 (S)	101	%	70-130		10		04/29/14 04:35	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-3 **Lab ID: 92198799002** Collected: 04/23/14 11:00 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	**1.2**	ug/L	0.040	0.040	2	04/27/14 01:11	04/29/14 17:53	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	118	%	60-140		2	04/27/14 01:11	04/29/14 17:53	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	1000	768	10		04/29/14 04:50	75-85-4	
tert-Amylmethyl ether	**64.2J**	ug/L	100	34.0	10		04/29/14 04:50	994-05-8	
Benzene	**795**	ug/L	50.0	17.0	10		04/29/14 04:50	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	1000	321	10		04/29/14 04:50	624-95-3	
tert-Butyl Alcohol	ND	ug/L	1000	577	10		04/29/14 04:50	75-65-0	
tert-Butyl Formate	ND	ug/L	500	73.0	10		04/29/14 04:50	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	18.0	10		04/29/14 04:50	107-06-2	
Diisopropyl ether	**173**	ug/L	50.0	17.0	10		04/29/14 04:50	108-20-3	
Ethanol	ND	ug/L	2000	1380	10		04/29/14 04:50	64-17-5	
Ethylbenzene	**613**	ug/L	50.0	16.0	10		04/29/14 04:50	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	100	36.0	10		04/29/14 04:50	637-92-3	
Methyl-tert-butyl ether	**1810**	ug/L	50.0	17.0	10		04/29/14 04:50	1634-04-4	
Naphthalene	**695**	ug/L	50.0	20.0	10		04/29/14 04:50	91-20-3	
Toluene	**5250**	ug/L	250	80.0	50		04/29/14 23:02	108-88-3	
Xylene (Total)	**12200**	ug/L	500	135	50		04/29/14 23:02	1330-20-7	
m&p-Xylene	**8480**	ug/L	500	155	50		04/29/14 23:02	179601-23-1	
o-Xylene	**3710**	ug/L	250	80.0	50		04/29/14 23:02	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		10		04/29/14 04:50	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130		10		04/29/14 04:50	17060-07-0	
Toluene-d8 (S)	101	%	70-130		10		04/29/14 04:50	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-5 **Lab ID: 92198799003** Collected: 04/23/14 11:45 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	**0.13**	ug/L	0.019	0.019	1	04/27/14 01:11	04/27/14 08:04	106-93-4	C2
Surrogates									
1-Chloro-2-bromopropane (S)	111	%	60-140		1	04/27/14 01:11	04/27/14 08:04	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	1000	768	10		04/29/14 05:06	75-85-4	
tert-Amylmethyl ether	ND	ug/L	100	34.0	10		04/29/14 05:06	994-05-8	
Benzene	**30.0J**	ug/L	50.0	17.0	10		04/29/14 05:06	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	1000	321	10		04/29/14 05:06	624-95-3	
tert-Butyl Alcohol	ND	ug/L	1000	577	10		04/29/14 05:06	75-65-0	
tert-Butyl Formate	ND	ug/L	500	73.0	10		04/29/14 05:06	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	18.0	10		04/29/14 05:06	107-06-2	
Diisopropyl ether	**23.8J**	ug/L	50.0	17.0	10		04/29/14 05:06	108-20-3	
Ethanol	ND	ug/L	2000	1380	10		04/29/14 05:06	64-17-5	
Ethylbenzene	**184**	ug/L	50.0	16.0	10		04/29/14 05:06	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	100	36.0	10		04/29/14 05:06	637-92-3	
Methyl-tert-butyl ether	**285**	ug/L	50.0	17.0	10		04/29/14 05:06	1634-04-4	
Naphthalene	**498**	ug/L	50.0	20.0	10		04/29/14 05:06	91-20-3	
Toluene	**271**	ug/L	50.0	16.0	10		04/29/14 05:06	108-88-3	
Xylene (Total)	**1570**	ug/L	100	27.0	10		04/29/14 05:06	1330-20-7	
m&p-Xylene	**1030**	ug/L	100	31.0	10		04/29/14 05:06	179601-23-1	
o-Xylene	**534**	ug/L	50.0	16.0	10		04/29/14 05:06	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		10		04/29/14 05:06	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130		10		04/29/14 05:06	17060-07-0	
Toluene-d8 (S)	102	%	70-130		10		04/29/14 05:06	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-6R **Lab ID: 92198799004** Collected: 04/23/14 12:00 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/27/14 01:11	04/27/14 08:25	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	113	%	60-140		1	04/27/14 01:11	04/27/14 08:25	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/29/14 02:29	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/29/14 02:29	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/29/14 02:29	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/29/14 02:29	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/29/14 02:29	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/29/14 02:29	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/29/14 02:29	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/29/14 02:29	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/29/14 02:29	64-17-5	
Ethylbenzene	**8.7**	ug/L	5.0	1.6	1		04/29/14 02:29	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/29/14 02:29	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/29/14 02:29	1634-04-4	
Naphthalene	**15.3**	ug/L	5.0	2.0	1		04/29/14 02:29	91-20-3	
Toluene	**12.9**	ug/L	5.0	1.6	1		04/29/14 02:29	108-88-3	
Xylene (Total)	**71.9**	ug/L	10.0	2.7	1		04/29/14 02:29	1330-20-7	
m&p-Xylene	**47.5**	ug/L	10.0	3.1	1		04/29/14 02:29	179601-23-1	
o-Xylene	**24.4**	ug/L	5.0	1.6	1		04/29/14 02:29	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/29/14 02:29	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		1		04/29/14 02:29	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/29/14 02:29	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-9 **Lab ID: 92198799005** Collected: 04/23/14 10:15 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/27/14 01:12	04/27/14 08:45	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	108	%	60-140		1	04/27/14 01:12	04/27/14 08:45	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/29/14 02:45	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/29/14 02:45	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/29/14 02:45	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/29/14 02:45	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/29/14 02:45	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/29/14 02:45	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/29/14 02:45	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/29/14 02:45	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/29/14 02:45	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/29/14 02:45	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/29/14 02:45	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/29/14 02:45	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/29/14 02:45	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/29/14 02:45	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/29/14 02:45	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/29/14 02:45	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/29/14 02:45	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/29/14 02:45	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-130		1		04/29/14 02:45	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/29/14 02:45	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-12R **Lab ID: 92198799006** Collected: 04/23/14 09:00 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/27/14 01:12	04/27/14 09:05	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	108	%	60-140		1	04/27/14 01:12	04/27/14 09:05	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/29/14 03:00	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/29/14 03:00	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/29/14 03:00	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/29/14 03:00	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/29/14 03:00	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/29/14 03:00	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/29/14 03:00	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/29/14 03:00	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/29/14 03:00	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/29/14 03:00	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/29/14 03:00	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/29/14 03:00	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/29/14 03:00	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/29/14 03:00	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/29/14 03:00	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/29/14 03:00	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/29/14 03:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/29/14 03:00	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130		1		04/29/14 03:00	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/29/14 03:00	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-13 **Lab ID: 92198799007** Collected: 04/23/14 09:15 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/27/14 01:12	04/27/14 09:26	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	109	%	60-140		1	04/27/14 01:12	04/27/14 09:26	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/29/14 03:16	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/29/14 03:16	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/29/14 03:16	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/29/14 03:16	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/29/14 03:16	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/29/14 03:16	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/29/14 03:16	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/29/14 03:16	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/29/14 03:16	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/29/14 03:16	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/29/14 03:16	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/29/14 03:16	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/29/14 03:16	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/29/14 03:16	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/29/14 03:16	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/29/14 03:16	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/29/14 03:16	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/29/14 03:16	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130		1		04/29/14 03:16	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/29/14 03:16	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-10 **Lab ID: 92198799008** Collected: 04/23/14 09:30 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/27/14 01:12	04/27/14 09:46	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	108	%	60-140		1	04/27/14 01:12	04/27/14 09:46	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/29/14 03:32	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/29/14 03:32	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/29/14 03:32	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/29/14 03:32	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/29/14 03:32	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/29/14 03:32	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/29/14 03:32	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/29/14 03:32	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/29/14 03:32	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/29/14 03:32	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/29/14 03:32	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/29/14 03:32	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/29/14 03:32	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/29/14 03:32	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/29/14 03:32	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/29/14 03:32	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/29/14 03:32	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/29/14 03:32	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		04/29/14 03:32	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/29/14 03:32	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-14 **Lab ID: 92198799009** Collected: 04/22/14 10:00 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/27/14 01:12	04/27/14 10:07	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	109	%	60-140		1	04/27/14 01:12	04/27/14 10:07	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/29/14 03:48	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/29/14 03:48	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/29/14 03:48	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/29/14 03:48	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/29/14 03:48	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/29/14 03:48	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/29/14 03:48	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/29/14 03:48	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/29/14 03:48	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/29/14 03:48	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/29/14 03:48	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/29/14 03:48	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/29/14 03:48	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/29/14 03:48	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/29/14 03:48	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/29/14 03:48	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/29/14 03:48	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/29/14 03:48	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-130		1		04/29/14 03:48	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/29/14 03:48	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-16 **Lab ID: 92198799010** Collected: 04/23/14 13:30 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/27/14 01:12	04/27/14 10:28	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	103	%	60-140		1	04/27/14 01:12	04/27/14 10:28	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/29/14 04:03	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/29/14 04:03	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/29/14 04:03	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/29/14 04:03	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/29/14 04:03	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/29/14 04:03	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/29/14 04:03	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/29/14 04:03	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/29/14 04:03	64-17-5	
Ethylbenzene	**90.5**	ug/L	5.0	1.6	1		04/29/14 04:03	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/29/14 04:03	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/29/14 04:03	1634-04-4	
Naphthalene	**150**	ug/L	5.0	2.0	1		04/29/14 04:03	91-20-3	
Toluene	**112**	ug/L	5.0	1.6	1		04/29/14 04:03	108-88-3	
Xylene (Total)	**620**	ug/L	20.0	5.4	2		04/29/14 22:30	1330-20-7	
m&p-Xylene	**402**	ug/L	20.0	6.2	2		04/29/14 22:30	179601-23-1	
o-Xylene	**219**	ug/L	10.0	3.2	2		04/29/14 22:30	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/29/14 04:03	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130		1		04/29/14 04:03	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/29/14 04:03	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-18 **Lab ID: 92198799012** Collected: 04/23/14 14:15 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	04/27/14 01:12	04/27/14 10:48	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	121	%	60-140		1	04/27/14 01:12	04/27/14 10:48	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	1000	768	10		04/29/14 05:22	75-85-4	
tert-Amylmethyl ether	ND	ug/L	100	34.0	10		04/29/14 05:22	994-05-8	
Benzene	**202**	ug/L	50.0	17.0	10		04/29/14 05:22	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	1000	321	10		04/29/14 05:22	624-95-3	
tert-Butyl Alcohol	ND	ug/L	1000	577	10		04/29/14 05:22	75-65-0	
tert-Butyl Formate	ND	ug/L	500	73.0	10		04/29/14 05:22	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	18.0	10		04/29/14 05:22	107-06-2	
Diisopropyl ether	**37.9J**	ug/L	50.0	17.0	10		04/29/14 05:22	108-20-3	
Ethanol	ND	ug/L	2000	1380	10		04/29/14 05:22	64-17-5	
Ethylbenzene	**4280**	ug/L	500	160	100		04/29/14 23:18	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	100	36.0	10		04/29/14 05:22	637-92-3	
Methyl-tert-butyl ether	**126**	ug/L	50.0	17.0	10		04/29/14 05:22	1634-04-4	
Naphthalene	**797**	ug/L	50.0	20.0	10		04/29/14 05:22	91-20-3	
Toluene	**7580**	ug/L	500	160	100		04/29/14 23:18	108-88-3	
Xylene (Total)	**19300**	ug/L	1000	270	100		04/29/14 23:18	1330-20-7	
m&p-Xylene	**12000**	ug/L	1000	310	100		04/29/14 23:18	179601-23-1	
o-Xylene	**7300**	ug/L	500	160	100		04/29/14 23:18	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		10		04/29/14 05:22	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-130		10		04/29/14 05:22	17060-07-0	
Toluene-d8 (S)	102	%	70-130		10		04/29/14 05:22	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-19R **Lab ID: 92198799013** Collected: 04/23/14 12:30 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	**6.0**	ug/L	0.20	0.20	10	04/27/14 01:12	04/29/14 18:34	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		10	04/27/14 01:12	04/29/14 18:34	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**2300**	ug/L	500	384	5		04/29/14 08:47	75-85-4	
tert-Amylmethyl ether	**287**	ug/L	50.0	17.0	5		04/29/14 08:47	994-05-8	
Benzene	**2800**	ug/L	1250	425	250		04/30/14 13:36	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	160	5		04/29/14 08:47	624-95-3	
tert-Butyl Alcohol	**2280**	ug/L	500	288	5		04/29/14 08:47	75-65-0	
tert-Butyl Formate	ND	ug/L	250	36.5	5		04/29/14 08:47	762-75-4	
1,2-Dichloroethane	ND	ug/L	25.0	9.0	5		04/29/14 08:47	107-06-2	
Diisopropyl ether	**404**	ug/L	25.0	8.5	5		04/29/14 08:47	108-20-3	
Ethanol	ND	ug/L	1000	689	5		04/29/14 08:47	64-17-5	
Ethylbenzene	**3110**	ug/L	1250	400	250		04/30/14 13:36	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	18.0	5		04/29/14 08:47	637-92-3	
Methyl-tert-butyl ether	**7760**	ug/L	1250	425	250		04/30/14 13:36	1634-04-4	
Naphthalene	**562**	ug/L	25.0	10.0	5		04/29/14 08:47	91-20-3	
Toluene	**26700**	ug/L	1250	400	250		04/30/14 13:36	108-88-3	
Xylene (Total)	**17200**	ug/L	2500	675	250		04/30/14 13:36	1330-20-7	
m&p-Xylene	**11500**	ug/L	2500	775	250		04/30/14 13:36	179601-23-1	
o-Xylene	**5680**	ug/L	1250	400	250		04/30/14 13:36	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		5		04/29/14 08:47	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130		5		04/29/14 08:47	17060-07-0	
Toluene-d8 (S)	103	%	70-130		5		04/29/14 08:47	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-20 **Lab ID: 92198799014** Collected: 04/22/14 16:45 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/27/14 01:12	04/27/14 11:30	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	111	%	60-140		1	04/27/14 01:12	04/27/14 11:30	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/29/14 05:38	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/29/14 05:38	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/29/14 05:38	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/29/14 05:38	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/29/14 05:38	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/29/14 05:38	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/29/14 05:38	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/29/14 05:38	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/29/14 05:38	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/29/14 05:38	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/29/14 05:38	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/29/14 05:38	1634-04-4	
Naphthalene	**2.4J**	ug/L	5.0	2.0	1		04/29/14 05:38	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/29/14 05:38	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/29/14 05:38	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/29/14 05:38	179601-23-1	
o-Xylene	**2.1J**	ug/L	5.0	1.6	1		04/29/14 05:38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/29/14 05:38	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		1		04/29/14 05:38	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/29/14 05:38	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-21 **Lab ID: 92198799015** Collected: 04/23/14 12:45 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/27/14 01:12	04/27/14 11:50	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	117	%	60-140		1	04/27/14 01:12	04/27/14 11:50	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**186**	ug/L	100	76.8	1		04/29/14 05:54	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/29/14 05:54	994-05-8	
Benzene	**3.3J**	ug/L	5.0	1.7	1		04/29/14 05:54	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/29/14 05:54	624-95-3	
tert-Butyl Alcohol	**446**	ug/L	100	57.7	1		04/29/14 05:54	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/29/14 05:54	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/29/14 05:54	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/29/14 05:54	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/29/14 05:54	64-17-5	
Ethylbenzene	**88.1**	ug/L	5.0	1.6	1		04/29/14 05:54	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/29/14 05:54	637-92-3	
Methyl-tert-butyl ether	**23.3**	ug/L	5.0	1.7	1		04/29/14 05:54	1634-04-4	
Naphthalene	**80.7**	ug/L	5.0	2.0	1		04/29/14 05:54	91-20-3	
Toluene	**122**	ug/L	5.0	1.6	1		04/29/14 05:54	108-88-3	
Xylene (Total)	**579**	ug/L	10.0	2.7	1		04/29/14 05:54	1330-20-7	
m&p-Xylene	**386**	ug/L	10.0	3.1	1		04/29/14 05:54	179601-23-1	
o-Xylene	**193**	ug/L	5.0	1.6	1		04/29/14 05:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/29/14 05:54	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		04/29/14 05:54	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/29/14 05:54	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-23 **Lab ID: 92198799016** Collected: 04/23/14 12:15 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/26/14 16:13	04/26/14 18:34	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	116	%	60-140		1	04/26/14 16:13	04/26/14 18:34	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/29/14 06:09	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/29/14 06:09	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/29/14 06:09	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/29/14 06:09	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/29/14 06:09	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/29/14 06:09	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/29/14 06:09	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/29/14 06:09	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/29/14 06:09	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/29/14 06:09	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/29/14 06:09	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/29/14 06:09	1634-04-4	
Naphthalene	**3.8J**	ug/L	5.0	2.0	1		04/29/14 06:09	91-20-3	
Toluene	**2.9J**	ug/L	5.0	1.6	1		04/29/14 06:09	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/29/14 06:09	1330-20-7	
m&p-Xylene	**6.0J**	ug/L	10.0	3.1	1		04/29/14 06:09	179601-23-1	
o-Xylene	**3.1J**	ug/L	5.0	1.6	1		04/29/14 06:09	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/29/14 06:09	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		1		04/29/14 06:09	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/29/14 06:09	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-24 **Lab ID: 92198799017** Collected: 04/23/14 14:00 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/26/14 16:13	04/26/14 19:34	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	116	%	60-140		1	04/26/14 16:13	04/26/14 19:34	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/29/14 06:25	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/29/14 06:25	994-05-8	
Benzene	**4.2J**	ug/L	5.0	1.7	1		04/29/14 06:25	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/29/14 06:25	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/29/14 06:25	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/29/14 06:25	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/29/14 06:25	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/29/14 06:25	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/29/14 06:25	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/29/14 06:25	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/29/14 06:25	637-92-3	
Methyl-tert-butyl ether	**7.8**	ug/L	5.0	1.7	1		04/29/14 06:25	1634-04-4	
Naphthalene	**13.2**	ug/L	5.0	2.0	1		04/29/14 06:25	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/29/14 06:25	108-88-3	
Xylene (Total)	**111**	ug/L	10.0	2.7	1		04/29/14 06:25	1330-20-7	
m&p-Xylene	**88.2**	ug/L	10.0	3.1	1		04/29/14 06:25	179601-23-1	
o-Xylene	**23.1**	ug/L	5.0	1.6	1		04/29/14 06:25	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/29/14 06:25	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130		1		04/29/14 06:25	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/29/14 06:25	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-25 **Lab ID: 92198799018** Collected: 04/23/14 09:45 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/26/14 16:13	04/26/14 20:14	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	116	%	60-140		1	04/26/14 16:13	04/26/14 20:14	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/29/14 06:41	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/29/14 06:41	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/29/14 06:41	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/29/14 06:41	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/29/14 06:41	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/29/14 06:41	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/29/14 06:41	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/29/14 06:41	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/29/14 06:41	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/29/14 06:41	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/29/14 06:41	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/29/14 06:41	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/29/14 06:41	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/29/14 06:41	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/29/14 06:41	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/29/14 06:41	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/29/14 06:41	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/29/14 06:41	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130		1		04/29/14 06:41	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/29/14 06:41	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-26 **Lab ID: 92198799019** Collected: 04/22/14 10:15 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/26/14 16:13	04/26/14 20:35	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	119	%	60-140		1	04/26/14 16:13	04/26/14 20:35	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**448**	ug/L	100	76.8	1		04/29/14 06:57	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/29/14 06:57	994-05-8	
Benzene	**121**	ug/L	5.0	1.7	1		04/29/14 06:57	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/29/14 06:57	624-95-3	
tert-Butyl Alcohol	**85.1J**	ug/L	100	57.7	1		04/29/14 06:57	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/29/14 06:57	762-75-4	
1,2-Dichloroethane	**6.4**	ug/L	5.0	1.8	1		04/29/14 06:57	107-06-2	
Diisopropyl ether	**48.6**	ug/L	5.0	1.7	1		04/29/14 06:57	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/29/14 06:57	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/29/14 06:57	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/29/14 06:57	637-92-3	
Methyl-tert-butyl ether	**5.5**	ug/L	5.0	1.7	1		04/29/14 06:57	1634-04-4	
Naphthalene	**7.3**	ug/L	5.0	2.0	1		04/29/14 06:57	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/29/14 06:57	108-88-3	
Xylene (Total)	**25.7**	ug/L	10.0	2.7	1		04/29/14 06:57	1330-20-7	
m&p-Xylene	**25.7**	ug/L	10.0	3.1	1		04/29/14 06:57	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/29/14 06:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		04/29/14 06:57	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130		1		04/29/14 06:57	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/29/14 06:57	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-27 **Lab ID: 92198799020** Collected: 04/22/14 18:15 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	04/26/14 16:13	04/26/14 20:55	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	114	%	60-140		1	04/26/14 16:13	04/26/14 20:55	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/29/14 07:13	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/29/14 07:13	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/29/14 07:13	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/29/14 07:13	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/29/14 07:13	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/29/14 07:13	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/29/14 07:13	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/29/14 07:13	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/29/14 07:13	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/29/14 07:13	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/29/14 07:13	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/29/14 07:13	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/29/14 07:13	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/29/14 07:13	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/29/14 07:13	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/29/14 07:13	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/29/14 07:13	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/29/14 07:13	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130		1		04/29/14 07:13	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/29/14 07:13	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-28 **Lab ID: 92198799021** Collected: 04/22/14 17:30 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/26/14 16:13	04/26/14 21:15	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	117	%	60-140		1	04/26/14 16:13	04/26/14 21:15	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	**1410**	ug/L	100	76.8	1		04/29/14 07:28	75-85-4	
tert-Amylmethyl ether	**62.4**	ug/L	10.0	3.4	1		04/29/14 07:28	994-05-8	
Benzene	**66.0**	ug/L	5.0	1.7	1		04/29/14 07:28	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/29/14 07:28	624-95-3	
tert-Butyl Alcohol	**111**	ug/L	100	57.7	1		04/29/14 07:28	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/29/14 07:28	762-75-4	
1,2-Dichloroethane	**26.1**	ug/L	5.0	1.8	1		04/29/14 07:28	107-06-2	
Diisopropyl ether	**315**	ug/L	25.0	8.5	5		04/29/14 23:34	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/29/14 07:28	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/29/14 07:28	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/29/14 07:28	637-92-3	
Methyl-tert-butyl ether	**428**	ug/L	25.0	8.5	5		04/29/14 23:34	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/29/14 07:28	91-20-3	
Toluene	**1.8J**	ug/L	5.0	1.6	1		04/29/14 07:28	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/29/14 07:28	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/29/14 07:28	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/29/14 07:28	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/29/14 07:28	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130		1		04/29/14 07:28	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/29/14 07:28	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-29 **Lab ID: 92198799022** Collected: 04/23/14 10:00 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/26/14 16:13	04/26/14 21:35	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	113	%	60-140		1	04/26/14 16:13	04/26/14 21:35	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/29/14 07:44	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/29/14 07:44	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/29/14 07:44	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/29/14 07:44	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/29/14 07:44	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/29/14 07:44	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/29/14 07:44	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/29/14 07:44	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/29/14 07:44	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/29/14 07:44	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/29/14 07:44	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/29/14 07:44	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/29/14 07:44	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/29/14 07:44	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/29/14 07:44	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/29/14 07:44	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/29/14 07:44	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/29/14 07:44	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		1		04/29/14 07:44	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/29/14 07:44	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-30 **Lab ID: 92198799023** Collected: 04/23/14 13:45 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/26/14 16:13	04/26/14 21:56	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	113	%	60-140		1	04/26/14 16:13	04/26/14 21:56	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/29/14 08:00	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/29/14 08:00	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/29/14 08:00	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/29/14 08:00	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/29/14 08:00	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/29/14 08:00	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/29/14 08:00	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/29/14 08:00	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/29/14 08:00	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/29/14 08:00	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/29/14 08:00	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/29/14 08:00	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/29/14 08:00	91-20-3	
Toluene	**3.3J**	ug/L	5.0	1.6	1		04/29/14 08:00	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/29/14 08:00	1330-20-7	
m&p-Xylene	**4.2J**	ug/L	10.0	3.1	1		04/29/14 08:00	179601-23-1	
o-Xylene	**2.0J**	ug/L	5.0	1.6	1		04/29/14 08:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/29/14 08:00	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-130		1		04/29/14 08:00	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/29/14 08:00	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-31 **Lab ID: 92198799024** Collected: 04/23/14 13:15 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/26/14 16:13	04/26/14 22:16	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	116	%	60-140		1	04/26/14 16:13	04/26/14 22:16	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/29/14 08:16	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/29/14 08:16	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/29/14 08:16	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/29/14 08:16	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/29/14 08:16	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/29/14 08:16	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/29/14 08:16	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/29/14 08:16	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/29/14 08:16	64-17-5	
Ethylbenzene	**9.3**	ug/L	5.0	1.6	1		04/29/14 08:16	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/29/14 08:16	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/29/14 08:16	1634-04-4	
Naphthalene	**14.8**	ug/L	5.0	2.0	1		04/29/14 08:16	91-20-3	
Toluene	**20.3**	ug/L	5.0	1.6	1		04/29/14 08:16	108-88-3	
Xylene (Total)	**59.9**	ug/L	10.0	2.7	1		04/29/14 08:16	1330-20-7	
m&p-Xylene	**38.5**	ug/L	10.0	3.1	1		04/29/14 08:16	179601-23-1	
o-Xylene	**21.4**	ug/L	5.0	1.6	1		04/29/14 08:16	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/29/14 08:16	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130		1		04/29/14 08:16	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/29/14 08:16	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-32 **Lab ID: 92198799025** Collected: 04/22/14 16:00 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/26/14 16:13	04/26/14 22:37	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	94	%	60-140		1	04/26/14 16:13	04/26/14 22:37	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/29/14 08:32	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/29/14 08:32	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/29/14 08:32	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/29/14 08:32	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/29/14 08:32	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/29/14 08:32	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/29/14 08:32	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/29/14 08:32	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/29/14 08:32	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/29/14 08:32	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/29/14 08:32	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/29/14 08:32	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/29/14 08:32	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/29/14 08:32	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/29/14 08:32	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/29/14 08:32	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/29/14 08:32	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/29/14 08:32	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	70-130		1		04/29/14 08:32	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/29/14 08:32	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-33 **Lab ID: 92198799026** Collected: 04/22/14 16:15 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/26/14 16:14	04/26/14 22:57	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	115	%	60-140		1	04/26/14 16:14	04/26/14 22:57	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	500	384	5		05/01/14 14:52	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	17.0	5		05/01/14 14:52	994-05-8	
Benzene	**41.9**	ug/L	25.0	8.5	5		05/01/14 14:52	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	160	5		05/01/14 14:52	624-95-3	
tert-Butyl Alcohol	ND	ug/L	500	288	5		05/01/14 14:52	75-65-0	
tert-Butyl Formate	ND	ug/L	250	36.5	5		05/01/14 14:52	762-75-4	
1,2-Dichloroethane	ND	ug/L	25.0	9.0	5		05/01/14 14:52	107-06-2	
Diisopropyl ether	ND	ug/L	25.0	8.5	5		05/01/14 14:52	108-20-3	
Ethanol	ND	ug/L	1000	689	5		05/01/14 14:52	64-17-5	
Ethylbenzene	**188**	ug/L	25.0	8.0	5		05/01/14 14:52	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	18.0	5		05/01/14 14:52	637-92-3	
Methyl-tert-butyl ether	**218**	ug/L	25.0	8.5	5		05/01/14 14:52	1634-04-4	
Naphthalene	**45.7**	ug/L	25.0	10.0	5		05/01/14 14:52	91-20-3	
Toluene	**591**	ug/L	25.0	8.0	5		05/01/14 14:52	108-88-3	
Xylene (Total)	**1020**	ug/L	50.0	13.5	5		05/01/14 14:52	1330-20-7	
m&p-Xylene	**591**	ug/L	50.0	15.5	5		05/01/14 14:52	179601-23-1	
o-Xylene	**431**	ug/L	25.0	8.0	5		05/01/14 14:52	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		5		05/01/14 14:52	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		5		05/01/14 14:52	17060-07-0	
Toluene-d8 (S)	99	%	70-130		5		05/01/14 14:52	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-34 **Lab ID: 92198799027** Collected: 04/22/14 16:30 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	04/26/14 16:14	04/26/14 23:18	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	128	%	60-140		1	04/26/14 16:14	04/26/14 23:18	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	2000	1540	20		05/01/14 20:39	75-85-4	
tert-Amylmethyl ether	ND	ug/L	200	68.0	20		05/01/14 20:39	994-05-8	
Benzene	ND	ug/L	100	34.0	20		05/01/14 20:39	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2000	642	20		05/01/14 20:39	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2000	1150	20		05/01/14 20:39	75-65-0	
tert-Butyl Formate	ND	ug/L	1000	146	20		05/01/14 20:39	762-75-4	
1,2-Dichloroethane	ND	ug/L	100	36.0	20		05/01/14 20:39	107-06-2	
Diisopropyl ether	ND	ug/L	100	34.0	20		05/01/14 20:39	108-20-3	
Ethanol	ND	ug/L	4000	2760	20		05/01/14 20:39	64-17-5	
Ethylbenzene	**598**	ug/L	100	32.0	20		05/01/14 20:39	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	200	72.0	20		05/01/14 20:39	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	100	34.0	20		05/01/14 20:39	1634-04-4	
Naphthalene	**232**	ug/L	100	40.0	20		05/01/14 20:39	91-20-3	
Toluene	**729**	ug/L	100	32.0	20		05/01/14 20:39	108-88-3	
Xylene (Total)	**5650**	ug/L	200	54.0	20		05/01/14 20:39	1330-20-7	
m&p-Xylene	**3760**	ug/L	200	62.0	20		05/01/14 20:39	179601-23-1	
o-Xylene	**1890**	ug/L	100	32.0	20		05/01/14 20:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		20		05/01/14 20:39	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		20		05/01/14 20:39	17060-07-0	
Toluene-d8 (S)	100	%	70-130		20		05/01/14 20:39	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-35 **Lab ID: 92198799028** Collected: 04/22/14 15:30 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/26/14 16:14	04/26/14 23:38	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	112	%	60-140		1	04/26/14 16:14	04/26/14 23:38	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/30/14 15:26	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/30/14 15:26	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/30/14 15:26	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/30/14 15:26	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/30/14 15:26	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/30/14 15:26	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/30/14 15:26	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/30/14 15:26	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/30/14 15:26	64-17-5	
Ethylbenzene	**5.9**	ug/L	5.0	1.6	1		04/30/14 15:26	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/30/14 15:26	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/30/14 15:26	1634-04-4	
Naphthalene	**14.6**	ug/L	5.0	2.0	1		04/30/14 15:26	91-20-3	
Toluene	**5.7**	ug/L	5.0	1.6	1		04/30/14 15:26	108-88-3	
Xylene (Total)	**41.1**	ug/L	10.0	2.7	1		04/30/14 15:26	1330-20-7	
m&p-Xylene	**27.4**	ug/L	10.0	3.1	1		04/30/14 15:26	179601-23-1	
o-Xylene	**13.7**	ug/L	5.0	1.6	1		04/30/14 15:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/30/14 15:26	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130		1		04/30/14 15:26	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/30/14 15:26	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-36 **Lab ID: 92198799029** Collected: 04/22/14 12:00 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	04/26/14 16:14	04/26/14 23:59	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	111	%	60-140		1	04/26/14 16:14	04/26/14 23:59	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/30/14 15:42	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/30/14 15:42	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/30/14 15:42	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/30/14 15:42	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/30/14 15:42	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/30/14 15:42	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/30/14 15:42	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/30/14 15:42	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/30/14 15:42	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/30/14 15:42	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/30/14 15:42	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/30/14 15:42	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/30/14 15:42	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/30/14 15:42	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/30/14 15:42	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/30/14 15:42	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/30/14 15:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/30/14 15:42	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130		1		04/30/14 15:42	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/30/14 15:42	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-38 **Lab ID: 92198799030** Collected: 04/22/14 11:00 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	04/26/14 16:14	04/27/14 00:19	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	110	%	60-140		1	04/26/14 16:14	04/27/14 00:19	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/30/14 15:58	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/30/14 15:58	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/30/14 15:58	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/30/14 15:58	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/30/14 15:58	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/30/14 15:58	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/30/14 15:58	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/30/14 15:58	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/30/14 15:58	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/30/14 15:58	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/30/14 15:58	637-92-3	
Methyl-tert-butyl ether	**4.4J**	ug/L	5.0	1.7	1		04/30/14 15:58	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/30/14 15:58	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/30/14 15:58	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/30/14 15:58	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/30/14 15:58	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/30/14 15:58	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/30/14 15:58	460-00-4	
1,2-Dichloroethane-d4 (S)	115	%	70-130		1		04/30/14 15:58	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/30/14 15:58	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-39 **Lab ID: 92198799031** Collected: 04/22/14 12:15 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	04/26/14 16:14	04/27/14 00:40	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	107	%	60-140		1	04/26/14 16:14	04/27/14 00:40	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/30/14 16:14	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/30/14 16:14	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/30/14 16:14	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/30/14 16:14	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/30/14 16:14	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/30/14 16:14	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/30/14 16:14	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/30/14 16:14	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/30/14 16:14	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/30/14 16:14	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/30/14 16:14	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/30/14 16:14	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/30/14 16:14	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/30/14 16:14	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/30/14 16:14	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/30/14 16:14	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/30/14 16:14	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/30/14 16:14	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	70-130		1		04/30/14 16:14	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/30/14 16:14	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-40 **Lab ID: 92198799032** Collected: 04/22/14 12:30 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	04/26/14 16:14	04/27/14 01:00	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	113	%	60-140		1	04/26/14 16:14	04/27/14 01:00	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/30/14 16:29	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/30/14 16:29	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/30/14 16:29	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/30/14 16:29	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/30/14 16:29	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/30/14 16:29	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/30/14 16:29	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/30/14 16:29	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/30/14 16:29	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/30/14 16:29	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/30/14 16:29	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/30/14 16:29	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/30/14 16:29	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/30/14 16:29	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/30/14 16:29	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/30/14 16:29	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/30/14 16:29	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/30/14 16:29	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	70-130		1		04/30/14 16:29	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/30/14 16:29	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-41 **Lab ID: 92198799033** Collected: 04/22/14 12:45 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/26/14 16:14	04/27/14 01:21	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	117	%	60-140		1	04/26/14 16:14	04/27/14 01:21	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/30/14 16:45	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/30/14 16:45	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/30/14 16:45	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/30/14 16:45	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/30/14 16:45	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/30/14 16:45	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/30/14 16:45	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/30/14 16:45	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/30/14 16:45	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/30/14 16:45	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/30/14 16:45	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/30/14 16:45	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/30/14 16:45	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/30/14 16:45	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/30/14 16:45	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/30/14 16:45	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/30/14 16:45	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/30/14 16:45	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	70-130		1		04/30/14 16:45	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/30/14 16:45	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-42 **Lab ID: 92198799034** Collected: 04/22/14 10:30 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/26/14 16:14	04/27/14 01:41	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	116	%	60-140		1	04/26/14 16:14	04/27/14 01:41	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/30/14 17:01	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/30/14 17:01	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/30/14 17:01	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/30/14 17:01	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/30/14 17:01	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/30/14 17:01	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/30/14 17:01	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/30/14 17:01	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/30/14 17:01	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/30/14 17:01	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/30/14 17:01	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/30/14 17:01	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/30/14 17:01	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/30/14 17:01	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/30/14 17:01	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/30/14 17:01	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/30/14 17:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/30/14 17:01	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	70-130		1		04/30/14 17:01	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/30/14 17:01	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-43 **Lab ID: 92198799035** Collected: 04/22/14 10:45 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	04/26/14 16:14	04/27/14 02:02	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	112	%	60-140		1	04/26/14 16:14	04/27/14 02:02	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/30/14 17:17	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/30/14 17:17	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/30/14 17:17	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/30/14 17:17	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/30/14 17:17	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/30/14 17:17	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/30/14 17:17	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/30/14 17:17	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/30/14 17:17	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/30/14 17:17	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/30/14 17:17	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/30/14 17:17	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/30/14 17:17	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/30/14 17:17	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/30/14 17:17	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/30/14 17:17	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/30/14 17:17	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/30/14 17:17	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-130		1		04/30/14 17:17	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/30/14 17:17	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-44 **Lab ID: 92198799036** Collected: 04/22/14 15:45 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/27/14 06:40	04/27/14 17:15	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	113	%	60-140		1	04/27/14 06:40	04/27/14 17:15	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/30/14 19:07	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/30/14 19:07	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/30/14 19:07	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/30/14 19:07	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/30/14 19:07	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/30/14 19:07	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/30/14 19:07	107-06-2	
Diisopropyl ether	**9.8**	ug/L	5.0	1.7	1		04/30/14 19:07	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/30/14 19:07	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/30/14 19:07	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/30/14 19:07	637-92-3	
Methyl-tert-butyl ether	**83.9**	ug/L	5.0	1.7	1		04/30/14 19:07	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/30/14 19:07	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/30/14 19:07	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/30/14 19:07	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/30/14 19:07	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/30/14 19:07	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/30/14 19:07	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	70-130		1		04/30/14 19:07	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/30/14 19:07	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-45 **Lab ID: 92198799037** Collected: 04/22/14 11:15 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/27/14 06:40	04/27/14 18:16	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	117	%	60-140		1	04/27/14 06:40	04/27/14 18:16	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/30/14 17:32	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/30/14 17:32	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/30/14 17:32	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/30/14 17:32	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/30/14 17:32	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/30/14 17:32	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/30/14 17:32	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/30/14 17:32	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/30/14 17:32	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/30/14 17:32	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/30/14 17:32	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/30/14 17:32	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/30/14 17:32	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/30/14 17:32	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/30/14 17:32	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/30/14 17:32	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/30/14 17:32	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/30/14 17:32	460-00-4	
1,2-Dichloroethane-d4 (S)	115	%	70-130		1		04/30/14 17:32	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/30/14 17:32	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-46 **Lab ID: 92198799038** Collected: 04/22/14 11:45 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/27/14 06:40	04/27/14 18:56	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	111	%	60-140		1	04/27/14 06:40	04/27/14 18:56	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/30/14 17:48	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/30/14 17:48	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/30/14 17:48	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/30/14 17:48	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/30/14 17:48	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/30/14 17:48	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/30/14 17:48	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/30/14 17:48	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/30/14 17:48	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/30/14 17:48	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/30/14 17:48	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/30/14 17:48	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/30/14 17:48	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/30/14 17:48	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/30/14 17:48	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/30/14 17:48	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/30/14 17:48	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/30/14 17:48	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	70-130		1		04/30/14 17:48	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/30/14 17:48	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-47 **Lab ID: 92198799039** Collected: 04/22/14 11:30 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/27/14 06:40	04/27/14 19:16	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	117	%	60-140		1	04/27/14 06:40	04/27/14 19:16	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/30/14 18:04	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/30/14 18:04	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/30/14 18:04	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/30/14 18:04	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/30/14 18:04	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/30/14 18:04	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/30/14 18:04	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/30/14 18:04	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/30/14 18:04	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/30/14 18:04	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/30/14 18:04	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/30/14 18:04	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/30/14 18:04	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/30/14 18:04	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/30/14 18:04	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/30/14 18:04	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/30/14 18:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/30/14 18:04	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-130		1		04/30/14 18:04	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/30/14 18:04	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-48 **Lab ID: 92198799040** Collected: 04/22/14 14:00 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	04/27/14 06:40	04/27/14 19:36	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	112	%	60-140		1	04/27/14 06:40	04/27/14 19:36	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/30/14 18:20	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/30/14 18:20	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/30/14 18:20	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/30/14 18:20	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/30/14 18:20	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/30/14 18:20	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/30/14 18:20	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/30/14 18:20	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/30/14 18:20	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/30/14 18:20	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/30/14 18:20	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/30/14 18:20	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/30/14 18:20	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/30/14 18:20	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/30/14 18:20	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/30/14 18:20	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/30/14 18:20	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/30/14 18:20	460-00-4	
1,2-Dichloroethane-d4 (S)	115	%	70-130		1		04/30/14 18:20	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/30/14 18:20	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-49 **Lab ID: 92198799041** Collected: 04/22/14 14:15 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/27/14 06:40	04/27/14 19:56	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	116	%	60-140		1	04/27/14 06:40	04/27/14 19:56	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/30/14 18:35	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/30/14 18:35	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/30/14 18:35	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/30/14 18:35	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/30/14 18:35	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/30/14 18:35	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/30/14 18:35	107-06-2	
Diisopropyl ether	**2.6J**	ug/L	5.0	1.7	1		04/30/14 18:35	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/30/14 18:35	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/30/14 18:35	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/30/14 18:35	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/30/14 18:35	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/30/14 18:35	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/30/14 18:35	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/30/14 18:35	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/30/14 18:35	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/30/14 18:35	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/30/14 18:35	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130		1		04/30/14 18:35	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/30/14 18:35	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-50 **Lab ID: 92198799042** Collected: 04/22/14 14:30 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/27/14 06:40	04/27/14 20:16	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	94	%	60-140		1	04/27/14 06:40	04/27/14 20:16	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/30/14 19:54	75-85-4	
tert-Amylmethyl ether	**4.9J**	ug/L	10.0	3.4	1		04/30/14 19:54	994-05-8	
Benzene	**16.4**	ug/L	5.0	1.7	1		04/30/14 19:54	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/30/14 19:54	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/30/14 19:54	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/30/14 19:54	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/30/14 19:54	107-06-2	
Diisopropyl ether	**35.8**	ug/L	5.0	1.7	1		04/30/14 19:54	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/30/14 19:54	64-17-5	
Ethylbenzene	**5.3**	ug/L	5.0	1.6	1		04/30/14 19:54	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/30/14 19:54	637-92-3	
Methyl-tert-butyl ether	**122**	ug/L	5.0	1.7	1		04/30/14 19:54	1634-04-4	
Naphthalene	**15.7**	ug/L	5.0	2.0	1		04/30/14 19:54	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/30/14 19:54	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/30/14 19:54	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/30/14 19:54	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/30/14 19:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/30/14 19:54	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	70-130		1		04/30/14 19:54	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/30/14 19:54	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-51 **Lab ID: 92198799043** Collected: 04/22/14 14:45 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	**0.14**	ug/L	0.020	0.020	1	04/27/14 06:40	04/27/14 20:36	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	108	%	60-140		1	04/27/14 06:40	04/27/14 20:36	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	5000	3840	50		04/30/14 20:26	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	170	50		04/30/14 20:26	994-05-8	
Benzene	**2900**	ug/L	250	85.0	50		04/30/14 20:26	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	1600	50		04/30/14 20:26	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	2880	50		04/30/14 20:26	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	365	50		04/30/14 20:26	762-75-4	
1,2-Dichloroethane	ND	ug/L	250	90.0	50		04/30/14 20:26	107-06-2	
Diisopropyl ether	ND	ug/L	250	85.0	50		04/30/14 20:26	108-20-3	
Ethanol	ND	ug/L	10000	6890	50		04/30/14 20:26	64-17-5	
Ethylbenzene	**3100**	ug/L	250	80.0	50		04/30/14 20:26	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	180	50		04/30/14 20:26	637-92-3	
Methyl-tert-butyl ether	**351**	ug/L	250	85.0	50		04/30/14 20:26	1634-04-4	
Naphthalene	**502**	ug/L	250	100	50		04/30/14 20:26	91-20-3	
Toluene	**5290**	ug/L	250	80.0	50		04/30/14 20:26	108-88-3	
Xylene (Total)	**8450**	ug/L	500	135	50		04/30/14 20:26	1330-20-7	
m&p-Xylene	**4520**	ug/L	500	155	50		04/30/14 20:26	179601-23-1	
o-Xylene	**3930**	ug/L	250	80.0	50		04/30/14 20:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		50		04/30/14 20:26	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	70-130		50		04/30/14 20:26	17060-07-0	
Toluene-d8 (S)	102	%	70-130		50		04/30/14 20:26	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-52 **Lab ID: 92198799044** Collected: 04/22/14 15:00 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/27/14 06:40	04/27/14 20:57	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	112	%	60-140		1	04/27/14 06:40	04/27/14 20:57	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/30/14 18:51	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/30/14 18:51	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/30/14 18:51	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/30/14 18:51	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/30/14 18:51	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/30/14 18:51	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/30/14 18:51	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/30/14 18:51	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/30/14 18:51	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/30/14 18:51	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/30/14 18:51	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/30/14 18:51	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/30/14 18:51	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/30/14 18:51	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/30/14 18:51	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/30/14 18:51	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/30/14 18:51	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/30/14 18:51	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	70-130		1		04/30/14 18:51	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/30/14 18:51	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-54 **Lab ID: 92198799045** Collected: 04/22/14 13:45 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/27/14 06:40	04/27/14 21:16	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	113	%	60-140		1	04/27/14 06:40	04/27/14 21:16	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/30/14 19:23	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/30/14 19:23	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/30/14 19:23	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/30/14 19:23	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/30/14 19:23	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/30/14 19:23	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/30/14 19:23	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/30/14 19:23	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/30/14 19:23	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/30/14 19:23	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/30/14 19:23	637-92-3	
Methyl-tert-butyl ether	**6.5**	ug/L	5.0	1.7	1		04/30/14 19:23	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/30/14 19:23	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/30/14 19:23	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/30/14 19:23	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/30/14 19:23	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/30/14 19:23	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/30/14 19:23	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130		1		04/30/14 19:23	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/30/14 19:23	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-55 **Lab ID: 92198799046** Collected: 04/22/14 13:30 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/27/14 06:40	04/27/14 21:36	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	113	%	60-140		1	04/27/14 06:40	04/27/14 21:36	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/30/14 20:42	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/30/14 20:42	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/30/14 20:42	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/30/14 20:42	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/30/14 20:42	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/30/14 20:42	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/30/14 20:42	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/30/14 20:42	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/30/14 20:42	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/30/14 20:42	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/30/14 20:42	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/30/14 20:42	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/30/14 20:42	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/30/14 20:42	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/30/14 20:42	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/30/14 20:42	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/30/14 20:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/30/14 20:42	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130		1		04/30/14 20:42	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/30/14 20:42	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 MW-56 **Lab ID: 92198799047** Collected: 04/23/14 14:45 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/27/14 06:40	04/27/14 21:57	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	118	%	60-140		1	04/27/14 06:40	04/27/14 21:57	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/30/14 20:57	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/30/14 20:57	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/30/14 20:57	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/30/14 20:57	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/30/14 20:57	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/30/14 20:57	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/30/14 20:57	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/30/14 20:57	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/30/14 20:57	64-17-5	
Ethylbenzene	**2.9J**	ug/L	5.0	1.6	1		04/30/14 20:57	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/30/14 20:57	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/30/14 20:57	1634-04-4	
Naphthalene	**2.1J**	ug/L	5.0	2.0	1		04/30/14 20:57	91-20-3	
Toluene	**8.8**	ug/L	5.0	1.6	1		04/30/14 20:57	108-88-3	
Xylene (Total)	**18.5**	ug/L	10.0	2.7	1		04/30/14 20:57	1330-20-7	
m&p-Xylene	**12.3**	ug/L	10.0	3.1	1		04/30/14 20:57	179601-23-1	
o-Xylene	**6.2**	ug/L	5.0	1.6	1		04/30/14 20:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		04/30/14 20:57	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	70-130		1		04/30/14 20:57	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/30/14 20:57	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 TW-1 **Lab ID: 92198799048** Collected: 04/23/14 11:30 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/27/14 06:40	04/27/14 22:17	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	117	%	60-140		1	04/27/14 06:40	04/27/14 22:17	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/30/14 21:13	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/30/14 21:13	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/30/14 21:13	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/30/14 21:13	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/30/14 21:13	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/30/14 21:13	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/30/14 21:13	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/30/14 21:13	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/30/14 21:13	64-17-5	
Ethylbenzene	**4.7J**	ug/L	5.0	1.6	1		04/30/14 21:13	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/30/14 21:13	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/30/14 21:13	1634-04-4	
Naphthalene	**17.2**	ug/L	5.0	2.0	1		04/30/14 21:13	91-20-3	
Toluene	**7.8**	ug/L	5.0	1.6	1		04/30/14 21:13	108-88-3	
Xylene (Total)	**31.6**	ug/L	10.0	2.7	1		04/30/14 21:13	1330-20-7	
m&p-Xylene	**20.4**	ug/L	10.0	3.1	1		04/30/14 21:13	179601-23-1	
o-Xylene	**11.2**	ug/L	5.0	1.6	1		04/30/14 21:13	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/30/14 21:13	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130		1		04/30/14 21:13	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/30/14 21:13	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 T-2 **Lab ID: 92198799049** Collected: 04/22/14 11:15 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	04/27/14 06:41	04/27/14 22:37	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	116	%	60-140		1	04/27/14 06:41	04/27/14 22:37	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/30/14 21:29	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/30/14 21:29	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/30/14 21:29	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/30/14 21:29	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/30/14 21:29	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/30/14 21:29	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/30/14 21:29	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/30/14 21:29	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/30/14 21:29	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/30/14 21:29	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/30/14 21:29	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/30/14 21:29	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/30/14 21:29	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/30/14 21:29	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/30/14 21:29	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/30/14 21:29	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/30/14 21:29	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/30/14 21:29	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	70-130		1		04/30/14 21:29	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/30/14 21:29	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 T-3 **Lab ID: 92198799050** Collected: 04/22/14 18:00 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/27/14 06:41	04/27/14 22:57	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	112	%	60-140		1	04/27/14 06:41	04/27/14 22:57	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/30/14 21:45	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/30/14 21:45	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/30/14 21:45	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/30/14 21:45	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/30/14 21:45	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/30/14 21:45	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/30/14 21:45	107-06-2	
Diisopropyl ether	**22.3**	ug/L	5.0	1.7	1		04/30/14 21:45	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/30/14 21:45	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/30/14 21:45	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/30/14 21:45	637-92-3	
Methyl-tert-butyl ether	**197**	ug/L	5.0	1.7	1		04/30/14 21:45	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/30/14 21:45	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/30/14 21:45	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/30/14 21:45	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/30/14 21:45	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/30/14 21:45	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/30/14 21:45	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-130		1		04/30/14 21:45	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/30/14 21:45	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 T-4 **Lab ID: 92198799051** Collected: 04/22/14 12:30 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/27/14 06:41	04/27/14 23:18	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	111	%	60-140		1	04/27/14 06:41	04/27/14 23:18	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/30/14 22:01	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/30/14 22:01	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/30/14 22:01	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/30/14 22:01	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/30/14 22:01	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/30/14 22:01	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/30/14 22:01	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/30/14 22:01	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/30/14 22:01	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/30/14 22:01	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/30/14 22:01	637-92-3	
Methyl-tert-butyl ether	**6.3**	ug/L	5.0	1.7	1		04/30/14 22:01	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/30/14 22:01	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/30/14 22:01	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/30/14 22:01	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/30/14 22:01	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/30/14 22:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/30/14 22:01	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	70-130		1		04/30/14 22:01	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/30/14 22:01	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 T-5 **Lab ID: 92198799052** Collected: 04/22/14 13:00 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/27/14 06:41	04/27/14 23:38	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	112	%	60-140		1	04/27/14 06:41	04/27/14 23:38	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/30/14 22:16	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/30/14 22:16	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/30/14 22:16	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/30/14 22:16	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/30/14 22:16	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/30/14 22:16	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/30/14 22:16	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/30/14 22:16	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/30/14 22:16	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/30/14 22:16	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/30/14 22:16	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/30/14 22:16	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/30/14 22:16	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/30/14 22:16	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/30/14 22:16	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/30/14 22:16	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/30/14 22:16	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/30/14 22:16	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130		1		04/30/14 22:16	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/30/14 22:16	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 Creek **Lab ID: 92198799053** Collected: 04/22/14 15:20 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	04/27/14 06:41	04/27/14 23:58	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	116	%	60-140		1	04/27/14 06:41	04/27/14 23:58	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	500	384	5		04/30/14 23:03	75-85-4	
tert-Amylmethyl ether	**25.3J**	ug/L	50.0	17.0	5		04/30/14 23:03	994-05-8	
Benzene	**313**	ug/L	25.0	8.5	5		04/30/14 23:03	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	160	5		04/30/14 23:03	624-95-3	
tert-Butyl Alcohol	ND	ug/L	500	288	5		04/30/14 23:03	75-65-0	
tert-Butyl Formate	ND	ug/L	250	36.5	5		04/30/14 23:03	762-75-4	
1,2-Dichloroethane	ND	ug/L	25.0	9.0	5		04/30/14 23:03	107-06-2	
Diisopropyl ether	**47.0**	ug/L	25.0	8.5	5		04/30/14 23:03	108-20-3	
Ethanol	ND	ug/L	1000	689	5		04/30/14 23:03	64-17-5	
Ethylbenzene	**120**	ug/L	25.0	8.0	5		04/30/14 23:03	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	18.0	5		04/30/14 23:03	637-92-3	
Methyl-tert-butyl ether	**589**	ug/L	25.0	8.5	5		04/30/14 23:03	1634-04-4	
Naphthalene	**40.0**	ug/L	25.0	10.0	5		04/30/14 23:03	91-20-3	
Toluene	**185**	ug/L	25.0	8.0	5		04/30/14 23:03	108-88-3	
Xylene (Total)	**142**	ug/L	50.0	13.5	5		04/30/14 23:03	1330-20-7	
m&p-Xylene	**78.6**	ug/L	50.0	15.5	5		04/30/14 23:03	179601-23-1	
o-Xylene	**63.6**	ug/L	25.0	8.0	5		04/30/14 23:03	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		5		04/30/14 23:03	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130		5		04/30/14 23:03	17060-07-0	
Toluene-d8 (S)	103	%	70-130		5		04/30/14 23:03	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 Duplicate 1 **Lab ID: 92198799054** Collected: 04/22/14 16:45 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/27/14 06:41	04/28/14 00:18	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	107	%	60-140		1	04/27/14 06:41	04/28/14 00:18	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/30/14 22:32	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/30/14 22:32	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/30/14 22:32	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/30/14 22:32	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/30/14 22:32	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/30/14 22:32	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/30/14 22:32	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/30/14 22:32	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/30/14 22:32	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/30/14 22:32	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/30/14 22:32	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/30/14 22:32	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/30/14 22:32	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/30/14 22:32	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/30/14 22:32	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/30/14 22:32	179601-23-1	
o-Xylene	**4.1J**	ug/L	5.0	1.6	1		04/30/14 22:32	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/30/14 22:32	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	70-130		1		04/30/14 22:32	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/30/14 22:32	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 Duplicate 2 **Lab ID: 92198799055** Collected: 04/23/14 09:55 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/27/14 06:41	04/28/14 00:39	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	112	%	60-140		1	04/27/14 06:41	04/28/14 00:39	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/30/14 22:48	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/30/14 22:48	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/30/14 22:48	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/30/14 22:48	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/30/14 22:48	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/30/14 22:48	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/30/14 22:48	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/30/14 22:48	108-20-3	
Ethanol	ND	ug/L	200	138	1		04/30/14 22:48	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/30/14 22:48	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/30/14 22:48	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/30/14 22:48	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/30/14 22:48	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/30/14 22:48	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		04/30/14 22:48	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/30/14 22:48	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/30/14 22:48	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		04/30/14 22:48	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	70-130		1		04/30/14 22:48	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/30/14 22:48	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 Duplicate 3 **Lab ID: 92198799056** Collected: 04/23/14 10:45 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	**2.7**	ug/L	0.10	0.10	5	04/27/14 22:40	05/01/14 21:29	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		5	04/27/14 22:40	05/01/14 21:29	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	5000	3840	50		05/01/14 21:10	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	170	50		05/01/14 21:10	994-05-8	
Benzene	**666**	ug/L	250	85.0	50		05/01/14 21:10	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	1600	50		05/01/14 21:10	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	2880	50		05/01/14 21:10	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	365	50		05/01/14 21:10	762-75-4	
1,2-Dichloroethane	ND	ug/L	250	90.0	50		05/01/14 21:10	107-06-2	
Diisopropyl ether	**99.2J**	ug/L	250	85.0	50		05/01/14 21:10	108-20-3	
Ethanol	ND	ug/L	10000	6890	50		05/01/14 21:10	64-17-5	
Ethylbenzene	**1360**	ug/L	250	80.0	50		05/01/14 21:10	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	180	50		05/01/14 21:10	637-92-3	
Methyl-tert-butyl ether	**1310**	ug/L	250	85.0	50		05/01/14 21:10	1634-04-4	
Naphthalene	**684**	ug/L	250	100	50		05/01/14 21:10	91-20-3	
Toluene	**5460**	ug/L	250	80.0	50		05/01/14 21:10	108-88-3	
Xylene (Total)	**7800**	ug/L	500	135	50		05/01/14 21:10	1330-20-7	
m&p-Xylene	**6030**	ug/L	500	155	50		05/01/14 21:10	179601-23-1	
o-Xylene	**1770**	ug/L	250	80.0	50		05/01/14 21:10	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		50		05/01/14 21:10	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		50		05/01/14 21:10	17060-07-0	
Toluene-d8 (S)	99	%	70-130		50		05/01/14 21:10	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 Field Blank 1 **Lab ID: 92198799057** Collected: 04/22/14 10:05 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/29/14 19:15	04/29/14 20:57	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	105	%	60-140		1	04/29/14 19:15	04/29/14 20:57	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		05/01/14 16:42	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		05/01/14 16:42	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		05/01/14 16:42	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		05/01/14 16:42	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		05/01/14 16:42	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		05/01/14 16:42	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		05/01/14 16:42	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		05/01/14 16:42	108-20-3	
Ethanol	ND	ug/L	200	138	1		05/01/14 16:42	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		05/01/14 16:42	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		05/01/14 16:42	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		05/01/14 16:42	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		05/01/14 16:42	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		05/01/14 16:42	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		05/01/14 16:42	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		05/01/14 16:42	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		05/01/14 16:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		05/01/14 16:42	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		05/01/14 16:42	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		05/01/14 16:42	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 Field Blank 2 **Lab ID: 92198799058** Collected: 04/23/14 14:05 Received: 04/25/14 09:15 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								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/29/14 19:15	04/29/14 21:18	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	104	%	60-140		1	04/29/14 19:15	04/29/14 21:18	301-79-56	
8260 MSV	Analytical Method: EPA 8260								
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		05/01/14 16:58	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		05/01/14 16:58	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		05/01/14 16:58	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		05/01/14 16:58	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		05/01/14 16:58	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		05/01/14 16:58	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		05/01/14 16:58	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		05/01/14 16:58	108-20-3	
Ethanol	ND	ug/L	200	138	1		05/01/14 16:58	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		05/01/14 16:58	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		05/01/14 16:58	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		05/01/14 16:58	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		05/01/14 16:58	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		05/01/14 16:58	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		05/01/14 16:58	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		05/01/14 16:58	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		05/01/14 16:58	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		05/01/14 16:58	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		05/01/14 16:58	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		05/01/14 16:58	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 Trip Blank 1 **Lab ID: 92198799059** Collected: 04/23/14 00:00 Received: 04/25/14 09:15 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		05/01/14 17:14	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		05/01/14 17:14	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		05/01/14 17:14	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		05/01/14 17:14	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		05/01/14 17:14	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		05/01/14 17:14	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		05/01/14 17:14	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		05/01/14 17:14	108-20-3	
Ethanol	ND	ug/L	200	138	1		05/01/14 17:14	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		05/01/14 17:14	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		05/01/14 17:14	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		05/01/14 17:14	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		05/01/14 17:14	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		05/01/14 17:14	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		05/01/14 17:14	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		05/01/14 17:14	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		05/01/14 17:14	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		05/01/14 17:14	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		05/01/14 17:14	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		05/01/14 17:14	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 Trip Blank 2 **Lab ID: 92198799060** Collected: 04/23/14 00:00 Received: 04/25/14 09:15 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		05/01/14 17:30	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		05/01/14 17:30	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		05/01/14 17:30	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		05/01/14 17:30	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		05/01/14 17:30	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		05/01/14 17:30	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		05/01/14 17:30	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		05/01/14 17:30	108-20-3	
Ethanol	ND	ug/L	200	138	1		05/01/14 17:30	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		05/01/14 17:30	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		05/01/14 17:30	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		05/01/14 17:30	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		05/01/14 17:30	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		05/01/14 17:30	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		05/01/14 17:30	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		05/01/14 17:30	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		05/01/14 17:30	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		05/01/14 17:30	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		05/01/14 17:30	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		05/01/14 17:30	2037-26-5	

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ANALYTICAL RESULTS

Project: Corner Stop 28
Pace Project No.: 92198799

Sample: 05659 Trip Blank **Lab ID: 92198799061** Collected: 04/22/14 00:00 Received: 04/25/14 09:15 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		05/01/14 17:45	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		05/01/14 17:45	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		05/01/14 17:45	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		05/01/14 17:45	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		05/01/14 17:45	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		05/01/14 17:45	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		05/01/14 17:45	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		05/01/14 17:45	108-20-3	
Ethanol	ND	ug/L	200	138	1		05/01/14 17:45	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		05/01/14 17:45	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		05/01/14 17:45	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		05/01/14 17:45	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		05/01/14 17:45	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		05/01/14 17:45	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		05/01/14 17:45	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		05/01/14 17:45	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		05/01/14 17:45	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		05/01/14 17:45	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		05/01/14 17:45	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		05/01/14 17:45	2037-26-5	

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QUALITY CONTROL DATA

Project: Corner Stop 28
Pace Project No.: 92198799

QC Batch: MSV/26602 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92198799001, 92198799002, 92198799003, 92198799004, 92198799005, 92198799006, 92198799007, 92198799008, 92198799009, 92198799010, 92198799012

METHOD BLANK: 1186951 Matrix: Water
Associated Lab Samples: 92198799001, 92198799002, 92198799003, 92198799004, 92198799005, 92198799006, 92198799007, 92198799008, 92198799009, 92198799010, 92198799012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	04/29/14 00:07	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	04/29/14 00:07	
Benzene	ug/L	ND	5.0	04/29/14 00:07	
Diisopropyl ether	ug/L	ND	5.0	04/29/14 00:07	
Ethanol	ug/L	ND	200	04/29/14 00:07	
Ethyl-tert-butyl ether	ug/L	ND	10.0	04/29/14 00:07	
Ethylbenzene	ug/L	ND	5.0	04/29/14 00:07	
m&p-Xylene	ug/L	ND	10.0	04/29/14 00:07	
Methyl-tert-butyl ether	ug/L	ND	5.0	04/29/14 00:07	
Naphthalene	ug/L	ND	5.0	04/29/14 00:07	
o-Xylene	ug/L	ND	5.0	04/29/14 00:07	
tert-Amyl Alcohol	ug/L	ND	100	04/29/14 00:07	
tert-Amylmethyl ether	ug/L	ND	10.0	04/29/14 00:07	
tert-Butyl Alcohol	ug/L	ND	100	04/29/14 00:07	
tert-Butyl Formate	ug/L	ND	50.0	04/29/14 00:07	
Toluene	ug/L	ND	5.0	04/29/14 00:07	
Xylene (Total)	ug/L	ND	10.0	04/29/14 00:07	
1,2-Dichloroethane-d4 (S)	%	109	70-130	04/29/14 00:07	
4-Bromofluorobenzene (S)	%	101	70-130	04/29/14 00:07	
Toluene-d8 (S)	%	102	70-130	04/29/14 00:07	

LABORATORY CONTROL SAMPLE: 1186952

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	57.6	115	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	942	94	70-130	
Benzene	ug/L	50	51.8	104	70-130	
Diisopropyl ether	ug/L	50	56.9	114	70-130	
Ethanol	ug/L	2000	2000	100	70-130	
Ethyl-tert-butyl ether	ug/L	100	98.0	98	70-130	
Ethylbenzene	ug/L	50	49.9	100	70-130	
m&p-Xylene	ug/L	100	101	101	70-130	
Methyl-tert-butyl ether	ug/L	50	54.6	109	70-130	
Naphthalene	ug/L	50	50.1	100	70-130	
o-Xylene	ug/L	50	50.3	101	70-130	
tert-Amyl Alcohol	ug/L	1000	1110	111	70-130	
tert-Amylmethyl ether	ug/L	100	105	105	70-130	
tert-Butyl Alcohol	ug/L	500	464	93	70-130	
tert-Butyl Formate	ug/L	400	444	111	70-130	
Toluene	ug/L	50	53.5	107	70-130	

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QUALITY CONTROL DATA

Project: Corner Stop 28
Pace Project No.: 92198799

LABORATORY CONTROL SAMPLE: 1186952

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	152	101	70-130	
1,2-Dichloroethane-d4 (S)	%			108	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1188405 1188406

Parameter	Units	92198914005 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	50	50	70.1	68.6	140	137	70-130	2	30	M0
3,3-Dimethyl-1-Butanol	ug/L	ND	1000	1000	1090	1010	109	101	70-130	8	30	
Benzene	ug/L	ND	50	50	64.7	62.8	129	126	70-130	3	30	
Diisopropyl ether	ug/L	ND	50	50	71.2	70.4	142	141	70-130	1	30	M0
Ethanol	ug/L	ND	2000	2000	2230	2190	112	110	70-130	2	30	
Ethyl-tert-butyl ether	ug/L	ND	100	100	124	120	124	120	70-130	3	30	
Ethylbenzene	ug/L	ND	50	50	56.9	55.4	114	111	70-130	3	30	
m&p-Xylene	ug/L	ND	100	100	116	112	116	112	70-130	3	30	
Methyl-tert-butyl ether	ug/L	ND	50	50	70.9	68.5	142	137	70-130	4	30	M0
Naphthalene	ug/L	ND	50	50	54.4	52.9	109	106	70-130	3	30	
o-Xylene	ug/L	ND	50	50	56.5	54.7	113	109	70-130	3	30	
tert-Amyl Alcohol	ug/L	ND	1000	1000	1290	1240	129	124	70-130	4	30	
tert-Amylmethyl ether	ug/L	ND	100	100	129	125	129	125	70-130	3	30	
tert-Butyl Alcohol	ug/L	ND	500	500	582	584	116	117	70-130	0	30	
tert-Butyl Formate	ug/L	ND	400	400	575	541	144	135	70-130	6	30	M0
Toluene	ug/L	ND	50	50	63.7	62.6	127	125	70-130	2	30	
1,2-Dichloroethane-d4 (S)	%						113	113	70-130			
4-Bromofluorobenzene (S)	%						100	98	70-130			
Toluene-d8 (S)	%						103	103	70-130			

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QUALITY CONTROL DATA

Project: Corner Stop 28
Pace Project No.: 92198799

QC Batch: MSV/26605 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92198799013, 92198799014, 92198799015, 92198799016, 92198799017, 92198799018, 92198799019, 92198799020, 92198799021, 92198799022, 92198799023, 92198799024, 92198799025

METHOD BLANK: 1186959 Matrix: Water
Associated Lab Samples: 92198799013, 92198799014, 92198799015, 92198799016, 92198799017, 92198799018, 92198799019, 92198799020, 92198799021, 92198799022, 92198799023, 92198799024, 92198799025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	04/28/14 23:51	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	04/28/14 23:51	
Benzene	ug/L	ND	5.0	04/28/14 23:51	
Diisopropyl ether	ug/L	ND	5.0	04/28/14 23:51	
Ethanol	ug/L	ND	200	04/28/14 23:51	
Ethyl-tert-butyl ether	ug/L	ND	10.0	04/28/14 23:51	
Ethylbenzene	ug/L	ND	5.0	04/28/14 23:51	
m&p-Xylene	ug/L	ND	10.0	04/28/14 23:51	
Methyl-tert-butyl ether	ug/L	ND	5.0	04/28/14 23:51	
Naphthalene	ug/L	ND	5.0	04/28/14 23:51	
o-Xylene	ug/L	ND	5.0	04/28/14 23:51	
tert-Amyl Alcohol	ug/L	ND	100	04/28/14 23:51	
tert-Amylmethyl ether	ug/L	ND	10.0	04/28/14 23:51	
tert-Butyl Alcohol	ug/L	ND	100	04/28/14 23:51	
tert-Butyl Formate	ug/L	ND	50.0	04/28/14 23:51	
Toluene	ug/L	ND	5.0	04/28/14 23:51	
Xylene (Total)	ug/L	ND	10.0	04/28/14 23:51	
1,2-Dichloroethane-d4 (S)	%	111	70-130	04/28/14 23:51	
4-Bromofluorobenzene (S)	%	99	70-130	04/28/14 23:51	
Toluene-d8 (S)	%	102	70-130	04/28/14 23:51	

LABORATORY CONTROL SAMPLE: 1186960

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	57.0	114	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1050	105	70-130	
Benzene	ug/L	50	51.7	103	70-130	
Diisopropyl ether	ug/L	50	56.2	112	70-130	
Ethanol	ug/L	2000	2130	106	70-130	
Ethyl-tert-butyl ether	ug/L	100	99.0	99	70-130	
Ethylbenzene	ug/L	50	49.8	100	70-130	
m&p-Xylene	ug/L	100	102	102	70-130	
Methyl-tert-butyl ether	ug/L	50	55.8	112	70-130	
Naphthalene	ug/L	50	53.8	108	70-130	
o-Xylene	ug/L	50	50.4	101	70-130	
tert-Amyl Alcohol	ug/L	1000	1250	125	70-130	
tert-Amylmethyl ether	ug/L	100	107	107	70-130	
tert-Butyl Alcohol	ug/L	500	499	100	70-130	
tert-Butyl Formate	ug/L	400	457	114	70-130	
Toluene	ug/L	50	53.1	106	70-130	

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QUALITY CONTROL DATA

Project: Corner Stop 28
Pace Project No.: 92198799

LABORATORY CONTROL SAMPLE: 1186960

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	152	102	70-130	
1,2-Dichloroethane-d4 (S)	%			108	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1188387 1188388

Parameter	Units	92198799014 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	50	50	64.3	67.3	129	135	70-130	4	30	M0
3,3-Dimethyl-1-Butanol	ug/L	ND	1000	1000	914	1080	91	108	70-130	17	30	
Benzene	ug/L	ND	50	50	59.2	61.7	118	123	70-130	4	30	
Diisopropyl ether	ug/L	ND	50	50	65.9	69.8	132	140	70-130	6	30	M0
Ethanol	ug/L	ND	2000	2000	1850	2380	93	119	70-130	25	30	
Ethyl-tert-butyl ether	ug/L	ND	100	100	112	119	112	119	70-130	6	30	
Ethylbenzene	ug/L	ND	50	50	52.0	54.3	103	108	70-130	4	30	
m&p-Xylene	ug/L	ND	100	100	106	111	104	109	70-130	4	30	
Methyl-tert-butyl ether	ug/L	ND	50	50	63.2	68.8	126	138	70-130	8	30	M0
Naphthalene	ug/L	2.4J	50	50	45.6	51.9	87	99	70-130	13	30	
o-Xylene	ug/L	2.1J	50	50	52.8	56.4	102	109	70-130	7	30	
tert-Amyl Alcohol	ug/L	ND	1000	1000	1120	1330	112	133	70-130	16	30	M0
tert-Amylmethyl ether	ug/L	ND	100	100	116	124	116	124	70-130	7	30	
tert-Butyl Alcohol	ug/L	ND	500	500	543	618	109	124	70-130	13	30	
tert-Butyl Formate	ug/L	ND	400	400	46.0J	72.6	12	18	70-130		30	M0
Toluene	ug/L	ND	50	50	58.3	61.0	116	121	70-130	4	30	
1,2-Dichloroethane-d4 (S)	%						110	113	70-130			
4-Bromofluorobenzene (S)	%						100	100	70-130			
Toluene-d8 (S)	%						103	103	70-130			

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QUALITY CONTROL DATA

Project: Corner Stop 28
Pace Project No.: 92198799

QC Batch: MSV/26631 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92198799026, 92198799028, 92198799029, 92198799030, 92198799031, 92198799032, 92198799033, 92198799034, 92198799035, 92198799036, 92198799037, 92198799038, 92198799039, 92198799040, 92198799041, 92198799042, 92198799043, 92198799044, 92198799045

METHOD BLANK: 1188530 Matrix: Water
Associated Lab Samples: 92198799026, 92198799028, 92198799029, 92198799030, 92198799031, 92198799032, 92198799033, 92198799034, 92198799035, 92198799036, 92198799037, 92198799038, 92198799039, 92198799040, 92198799041, 92198799042, 92198799043, 92198799044, 92198799045

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	04/30/14 12:48	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	04/30/14 12:48	
Benzene	ug/L	ND	5.0	04/30/14 12:48	
Diisopropyl ether	ug/L	ND	5.0	04/30/14 12:48	
Ethanol	ug/L	ND	200	04/30/14 12:48	
Ethyl-tert-butyl ether	ug/L	ND	10.0	04/30/14 12:48	
Ethylbenzene	ug/L	ND	5.0	04/30/14 12:48	
m&p-Xylene	ug/L	ND	10.0	04/30/14 12:48	
Methyl-tert-butyl ether	ug/L	ND	5.0	04/30/14 12:48	
Naphthalene	ug/L	ND	5.0	04/30/14 12:48	
o-Xylene	ug/L	ND	5.0	04/30/14 12:48	
tert-Amyl Alcohol	ug/L	ND	100	04/30/14 12:48	
tert-Amylmethyl ether	ug/L	ND	10.0	04/30/14 12:48	
tert-Butyl Alcohol	ug/L	ND	100	04/30/14 12:48	
tert-Butyl Formate	ug/L	ND	50.0	04/30/14 12:48	
Toluene	ug/L	ND	5.0	04/30/14 12:48	
Xylene (Total)	ug/L	ND	10.0	04/30/14 12:48	
1,2-Dichloroethane-d4 (S)	%	112	70-130	04/30/14 12:48	
4-Bromofluorobenzene (S)	%	99	70-130	04/30/14 12:48	
Toluene-d8 (S)	%	102	70-130	04/30/14 12:48	

LABORATORY CONTROL SAMPLE: 1188531

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	62.3	125	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1090	109	70-130	
Benzene	ug/L	50	57.6	115	70-130	
Diisopropyl ether	ug/L	50	65.4	131	70-130	L0
Ethanol	ug/L	2000	2090	104	70-130	
Ethyl-tert-butyl ether	ug/L	100	112	112	70-130	
Ethylbenzene	ug/L	50	51.3	103	70-130	
m&p-Xylene	ug/L	100	104	104	70-130	
Methyl-tert-butyl ether	ug/L	50	64.5	129	70-130	
Naphthalene	ug/L	50	51.1	102	70-130	
o-Xylene	ug/L	50	51.4	103	70-130	
tert-Amyl Alcohol	ug/L	1000	1270	127	70-130	
tert-Amylmethyl ether	ug/L	100	118	118	70-130	
tert-Butyl Alcohol	ug/L	500	583	117	70-130	

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QUALITY CONTROL DATA

Project: Corner Stop 28
Pace Project No.: 92198799

LABORATORY CONTROL SAMPLE: 1188531

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butyl Formate	ug/L	400	518	130	70-130	
Toluene	ug/L	50	56.7	113	70-130	
Xylene (Total)	ug/L	150	155	104	70-130	
1,2-Dichloroethane-d4 (S)	%			110	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1189482 1189483

Parameter	Units	92198799028 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	50	50	53.9	57.2	108	114	70-130	6	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	1000	1000	984	1110	98	111	70-130	12	30	
Benzene	ug/L	ND	50	50	57.0	61.6	114	123	70-130	8	30	
Diisopropyl ether	ug/L	ND	50	50	52.5	57.1	105	114	70-130	8	30	
Ethanol	ug/L	ND	2000	2000	1640	1880	82	94	70-130	14	30	
Ethyl-tert-butyl ether	ug/L	ND	100	100	93.9	101	94	101	70-130	7	30	
Ethylbenzene	ug/L	5.9	50	50	57.5	62.8	103	114	70-130	9	30	
m&p-Xylene	ug/L	27.4	100	100	129	142	102	115	70-130	10	30	
Methyl-tert-butyl ether	ug/L	ND	50	50	52.7	57.0	105	114	70-130	8	30	
Naphthalene	ug/L	14.6	50	50	64.1	74.1	99	119	70-130	15	30	
o-Xylene	ug/L	13.7	50	50	63.2	70.0	99	112	70-130	10	30	
tert-Amyl Alcohol	ug/L	ND	1000	1000	994	1100	99	110	70-130	10	30	
tert-Amylmethyl ether	ug/L	ND	100	100	107	116	107	116	70-130	8	30	
tert-Butyl Alcohol	ug/L	ND	500	500	428	472	86	94	70-130	10	30	
tert-Butyl Formate	ug/L	ND	400	400	59.1	40.7J	15	10	70-130		30	M0
Toluene	ug/L	5.7	50	50	58.0	63.1	105	115	70-130	8	30	
1,2-Dichloroethane-d4 (S)	%						100	101	70-130			
4-Bromofluorobenzene (S)	%						100	100	70-130			
Toluene-d8 (S)	%						99	101	70-130			

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QUALITY CONTROL DATA

Project: Corner Stop 28
Pace Project No.: 92198799

QC Batch: MSV/26632 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92198799046, 92198799047, 92198799048, 92198799049, 92198799050, 92198799051, 92198799052, 92198799053, 92198799054, 92198799055

METHOD BLANK: 1188535 Matrix: Water
Associated Lab Samples: 92198799046, 92198799047, 92198799048, 92198799049, 92198799050, 92198799051, 92198799052, 92198799053, 92198799054, 92198799055

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	04/30/14 13:04	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	04/30/14 13:04	
Benzene	ug/L	ND	5.0	04/30/14 13:04	
Diisopropyl ether	ug/L	ND	5.0	04/30/14 13:04	
Ethanol	ug/L	ND	200	04/30/14 13:04	
Ethyl-tert-butyl ether	ug/L	ND	10.0	04/30/14 13:04	
Ethylbenzene	ug/L	ND	5.0	04/30/14 13:04	
m&p-Xylene	ug/L	ND	10.0	04/30/14 13:04	
Methyl-tert-butyl ether	ug/L	ND	5.0	04/30/14 13:04	
Naphthalene	ug/L	ND	5.0	04/30/14 13:04	
o-Xylene	ug/L	ND	5.0	04/30/14 13:04	
tert-Amyl Alcohol	ug/L	ND	100	04/30/14 13:04	
tert-Amylmethyl ether	ug/L	ND	10.0	04/30/14 13:04	
tert-Butyl Alcohol	ug/L	ND	100	04/30/14 13:04	
tert-Butyl Formate	ug/L	ND	50.0	04/30/14 13:04	
Toluene	ug/L	ND	5.0	04/30/14 13:04	
Xylene (Total)	ug/L	ND	10.0	04/30/14 13:04	
1,2-Dichloroethane-d4 (S)	%	111	70-130	04/30/14 13:04	
4-Bromofluorobenzene (S)	%	100	70-130	04/30/14 13:04	
Toluene-d8 (S)	%	102	70-130	04/30/14 13:04	

LABORATORY CONTROL SAMPLE: 1188536

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	60.8	122	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	928	93	70-130	
Benzene	ug/L	50	55.2	110	70-130	
Diisopropyl ether	ug/L	50	62.3	125	70-130	
Ethanol	ug/L	2000	2180	109	70-130	
Ethyl-tert-butyl ether	ug/L	100	107	107	70-130	
Ethylbenzene	ug/L	50	48.5	97	70-130	
m&p-Xylene	ug/L	100	98.0	98	70-130	
Methyl-tert-butyl ether	ug/L	50	61.0	122	70-130	
Naphthalene	ug/L	50	47.6	95	70-130	
o-Xylene	ug/L	50	48.2	96	70-130	
tert-Amyl Alcohol	ug/L	1000	1140	114	70-130	
tert-Amylmethyl ether	ug/L	100	114	114	70-130	
tert-Butyl Alcohol	ug/L	500	530	106	70-130	
tert-Butyl Formate	ug/L	400	479	120	70-130	
Toluene	ug/L	50	54.6	109	70-130	

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QUALITY CONTROL DATA

Project: Corner Stop 28
Pace Project No.: 92198799

LABORATORY CONTROL SAMPLE: 1188536

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	146	97	70-130	
1,2-Dichloroethane-d4 (S)	%			109	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			104	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1189489 1189490

Parameter	Units	92198799047 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	50	50	5.1	55.1	10	110	70-130	166	30	M0,R1
3,3-Dimethyl-1-Butanol	ug/L	ND	1000	1000	1130	1040	113	104	70-130	8	30	
Benzene	ug/L	ND	50	50	64.4	59.1	128	117	70-130	9	30	
Diisopropyl ether	ug/L	ND	50	50	60.0	54.2	120	108	70-130	10	30	
Ethanol	ug/L	ND	2000	2000	2280	1840	114	92	70-130	22	30	
Ethyl-tert-butyl ether	ug/L	ND	100	100	105	95.6	105	96	70-130	10	30	
Ethylbenzene	ug/L	2.9J	50	50	61.0	56.2	116	106	70-130	8	30	
m&p-Xylene	ug/L	12.3	100	100	128	118	116	105	70-130	9	30	
Methyl-tert-butyl ether	ug/L	ND	50	50	59.5	54.2	118	108	70-130	9	30	
Naphthalene	ug/L	2.1J	50	50	59.1	54.9	114	106	70-130	7	30	
o-Xylene	ug/L	6.2	50	50	63.2	57.7	114	103	70-130	9	30	
tert-Amyl Alcohol	ug/L	ND	1000	1000	1170	1060	117	106	70-130	9	30	
tert-Amylmethyl ether	ug/L	ND	100	100	119	110	119	110	70-130	9	30	
tert-Butyl Alcohol	ug/L	ND	500	500	496	461	99	92	70-130	7	30	
tert-Butyl Formate	ug/L	ND	400	400	33.9J	25.5J	8	6	70-130		30	M0
Toluene	ug/L	8.8	50	50	67.2	61.9	117	106	70-130	8	30	
1,2-Dichloroethane-d4 (S)	%						100	99	70-130			
4-Bromofluorobenzene (S)	%						100	100	70-130			
Toluene-d8 (S)	%						100	100	70-130			

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QUALITY CONTROL DATA

Project: Corner Stop 28
Pace Project No.: 92198799

QC Batch: MSV/26633 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92198799027, 92198799056, 92198799057, 92198799058, 92198799059, 92198799060, 92198799061

METHOD BLANK: 1188690 Matrix: Water
Associated Lab Samples: 92198799027, 92198799056, 92198799057, 92198799058, 92198799059, 92198799060, 92198799061

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	05/01/14 14:36	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	05/01/14 14:36	
Benzene	ug/L	ND	5.0	05/01/14 14:36	
Diisopropyl ether	ug/L	ND	5.0	05/01/14 14:36	
Ethanol	ug/L	ND	200	05/01/14 14:36	
Ethyl-tert-butyl ether	ug/L	ND	10.0	05/01/14 14:36	
Ethylbenzene	ug/L	ND	5.0	05/01/14 14:36	
m&p-Xylene	ug/L	ND	10.0	05/01/14 14:36	
Methyl-tert-butyl ether	ug/L	ND	5.0	05/01/14 14:36	
Naphthalene	ug/L	ND	5.0	05/01/14 14:36	
o-Xylene	ug/L	ND	5.0	05/01/14 14:36	
tert-Amyl Alcohol	ug/L	ND	100	05/01/14 14:36	
tert-Amylmethyl ether	ug/L	ND	10.0	05/01/14 14:36	
tert-Butyl Alcohol	ug/L	ND	100	05/01/14 14:36	
tert-Butyl Formate	ug/L	ND	50.0	05/01/14 14:36	
Toluene	ug/L	ND	5.0	05/01/14 14:36	
Xylene (Total)	ug/L	ND	10.0	05/01/14 14:36	
1,2-Dichloroethane-d4 (S)	%	101	70-130	05/01/14 14:36	
4-Bromofluorobenzene (S)	%	99	70-130	05/01/14 14:36	
Toluene-d8 (S)	%	99	70-130	05/01/14 14:36	

LABORATORY CONTROL SAMPLE: 1188691

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	50.4	101	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	937	94	70-130	
Benzene	ug/L	50	53.5	107	70-130	
Diisopropyl ether	ug/L	50	49.7	99	70-130	
Ethanol	ug/L	2000	1590	79	70-130	
Ethyl-tert-butyl ether	ug/L	100	88.0	88	70-130	
Ethylbenzene	ug/L	50	49.5	99	70-130	
m&p-Xylene	ug/L	100	100	100	70-130	
Methyl-tert-butyl ether	ug/L	50	49.1	98	70-130	
Naphthalene	ug/L	50	49.4	99	70-130	
o-Xylene	ug/L	50	49.3	99	70-130	
tert-Amyl Alcohol	ug/L	1000	963	96	70-130	
tert-Amylmethyl ether	ug/L	100	102	102	70-130	
tert-Butyl Alcohol	ug/L	500	432	86	70-130	
tert-Butyl Formate	ug/L	400	414	104	70-130	
Toluene	ug/L	50	50.3	101	70-130	
Xylene (Total)	ug/L	150	149	100	70-130	

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QUALITY CONTROL DATA

Project: Corner Stop 28
Pace Project No.: 92198799

LABORATORY CONTROL SAMPLE: 1188691

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 1189549

Parameter	Units	92198859001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	50	57.5	115	70-130	
3,3-Dimethyl-1-Butanol	ug/L	ND	1000	1090	109	70-130	
Benzene	ug/L	ND	50	60.3	121	70-130	
Diisopropyl ether	ug/L	ND	50	56.3	113	70-130	
Ethanol	ug/L	ND	2000	2080	104	70-130	
Ethyl-tert-butyl ether	ug/L	ND	100	101	101	70-130	
Ethylbenzene	ug/L	ND	50	55.8	112	70-130	
m&p-Xylene	ug/L	ND	100	112	112	70-130	
Methyl-tert-butyl ether	ug/L	ND	50	56.2	112	70-130	
Naphthalene	ug/L	ND	50	54.7	109	70-130	
o-Xylene	ug/L	ND	50	55.2	110	70-130	
tert-Amyl Alcohol	ug/L	ND	1000	1130	113	70-130	
tert-Amylmethyl ether	ug/L	ND	100	114	114	70-130	
tert-Butyl Alcohol	ug/L	ND	500	461	92	70-130	
tert-Butyl Formate	ug/L	ND	400	485	121	70-130	
Toluene	ug/L	ND	50	57.0	114	70-130	
1,2-Dichloroethane-d4 (S)	%				101	70-130	
4-Bromofluorobenzene (S)	%				100	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 1189550

Parameter	Units	92199191003 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	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: Corner Stop 28
Pace Project No.: 92198799

SAMPLE DUPLICATE: 1189550

Parameter	Units	92199191003 Result	Dup Result	RPD	Max RPD	Qualifiers
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	101	101	1		
4-Bromofluorobenzene (S)	%	99	100	1		
Toluene-d8 (S)	%	99	100	1		

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QUALITY CONTROL DATA

Project: Corner Stop 28
Pace Project No.: 92198799

QC Batch: OEXT/27292 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 92198799016, 92198799017, 92198799018, 92198799019, 92198799020, 92198799021, 92198799022, 92198799023, 92198799024, 92198799025, 92198799026, 92198799027, 92198799028, 92198799029, 92198799030, 92198799031, 92198799032, 92198799033, 92198799034, 92198799035

METHOD BLANK: 1186325 Matrix: Water
Associated Lab Samples: 92198799016, 92198799017, 92198799018, 92198799019, 92198799020, 92198799021, 92198799022, 92198799023, 92198799024, 92198799025, 92198799026, 92198799027, 92198799028, 92198799029, 92198799030, 92198799031, 92198799032, 92198799033, 92198799034, 92198799035

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	04/26/14 17:33	
1-Chloro-2-bromopropane (S)	%	107	60-140	04/26/14 17:33	

LABORATORY CONTROL SAMPLE & LCSD: 1186326 1186327

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.29	0.29	0.27	100	96	60-140	7	20	
1-Chloro-2-bromopropane (S)	%				113	112	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1186328 1186329

Parameter	Units	92198799016 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	.28	.28	0.28	0.29	98	102	60-140	4	20	
1-Chloro-2-bromopropane (S)	%						112	115	60-140			

SAMPLE DUPLICATE: 1186330

Parameter	Units	92198799017 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	116	117	1		

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QUALITY CONTROL DATA

Project: Corner Stop 28
Pace Project No.: 92198799

QC Batch: OEXT/27293 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 92198799001, 92198799002, 92198799003, 92198799004, 92198799005, 92198799006, 92198799007, 92198799008, 92198799009, 92198799010, 92198799012, 92198799013, 92198799014, 92198799015

METHOD BLANK: 1186331 Matrix: Water
Associated Lab Samples: 92198799001, 92198799002, 92198799003, 92198799004, 92198799005, 92198799006, 92198799007, 92198799008, 92198799009, 92198799010, 92198799012, 92198799013, 92198799014, 92198799015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	04/27/14 03:40	
1-Chloro-2-bromopropane (S)	%	114	60-140	04/27/14 03:40	

LABORATORY CONTROL SAMPLE & LCSD: 1186332 1186333

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.28	0.27	0.28	96	98	60-140	2	20	
1-Chloro-2-bromopropane (S)	%				112	113	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1186334 1186335

Parameter	Units	92198799001 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	2.5	.28	.28	18.6	18.6	5748	5732	60-140	0	20	P6
1-Chloro-2-bromopropane (S)	%						125	126	60-140			

SAMPLE DUPLICATE: 1186336

Parameter	Units	92198799002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	1.2	1.2	3	20	
1-Chloro-2-bromopropane (S)	%	118	128	9		

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QUALITY CONTROL DATA

Project: Corner Stop 28
Pace Project No.: 92198799

QC Batch: OEXT/27294 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 92198799036, 92198799037, 92198799038, 92198799039, 92198799040, 92198799041, 92198799042, 92198799043, 92198799044, 92198799045, 92198799046, 92198799047, 92198799048, 92198799049, 92198799050, 92198799051, 92198799052, 92198799053, 92198799054, 92198799055

METHOD BLANK: 1186337 Matrix: Water
Associated Lab Samples: 92198799036, 92198799037, 92198799038, 92198799039, 92198799040, 92198799041, 92198799042, 92198799043, 92198799044, 92198799045, 92198799046, 92198799047, 92198799048, 92198799049, 92198799050, 92198799051, 92198799052, 92198799053, 92198799054, 92198799055

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	04/27/14 16:14	
1-Chloro-2-bromopropane (S)	%	113	60-140	04/27/14 16:14	

LABORATORY CONTROL SAMPLE & LCSD: 1186338 1186339

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.28	0.28	0.28	98	100	60-140	3	20	
1-Chloro-2-bromopropane (S)	%				114	112	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1186340 1186341

Parameter	Units	92198799036 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	.28	.28	0.28	0.28	98	98	60-140	0	20	
1-Chloro-2-bromopropane (S)	%						109	112	60-140			

SAMPLE DUPLICATE: 1186342

Parameter	Units	92198799037 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	117	116	4		

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QUALITY CONTROL DATA

Project: Corner Stop 28
Pace Project No.: 92198799

QC Batch: OEXT/27297
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 92198799056

METHOD BLANK: 1186411
Matrix: Water
Associated Lab Samples: 92198799056

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	04/28/14 01:20	
1-Chloro-2-bromopropane (S)	%	111	60-140	04/28/14 01:20	

LABORATORY CONTROL SAMPLE & LCSD: 1186412 1186413

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.29	0.28	0.28	96	100	60-140	4	20	
1-Chloro-2-bromopropane (S)	%				110	114	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1186414 1186415

Parameter	Units	92198774003 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	.29	.29	0.29	0.29	100	100	60-140	0	20	
1-Chloro-2-bromopropane (S)	%						114	112	60-140			

SAMPLE DUPLICATE: 1186416

Parameter	Units	92198774004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	111	107	8		

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QUALITY CONTROL DATA

Project: Corner Stop 28
Pace Project No.: 92198799

QC Batch: OEXT/27345 | Analysis Method: EPA 8011
QC Batch Method: EPA 8011 | Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 92198799057, 92198799058

METHOD BLANK: 1188140 | Matrix: Water
Associated Lab Samples: 92198799057, 92198799058

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	04/29/14 19:55	
1-Chloro-2-bromopropane (S)	%	92	60-140	04/29/14 19:55	

LABORATORY CONTROL SAMPLE & LCSD: 1188141 1188142

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.28	0.26	0.26	90	92	60-140	1	20	
1-Chloro-2-bromopropane (S)	%				103	104	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1188143 1188144

Parameter	Units	92198074024 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	.28	.28	0.33	0.30	116	106	60-140	9	20	
1-Chloro-2-bromopropane (S)	%						105	103	60-140			

SAMPLE DUPLICATE: 1188145

Parameter	Units	92198074025 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	105	106	2		

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QUALIFIERS

Project: Corner Stop 28
Pace Project No.: 92198799

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

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

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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TNI - The NELAC Institute.

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

C2	Relative percent difference between results from each column was greater than 40%. The lower of the two results was reported.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Corner Stop 28
Pace Project No.: 92198799

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92198799001	05659 MW-2	EPA 8011	OEXT/27293	EPA 8011	GCSV/17393
92198799002	05659 MW-3	EPA 8011	OEXT/27293	EPA 8011	GCSV/17393
92198799003	05659 MW-5	EPA 8011	OEXT/27293	EPA 8011	GCSV/17393
92198799004	05659 MW-6R	EPA 8011	OEXT/27293	EPA 8011	GCSV/17393
92198799005	05659 MW-9	EPA 8011	OEXT/27293	EPA 8011	GCSV/17393
92198799006	05659 MW-12R	EPA 8011	OEXT/27293	EPA 8011	GCSV/17393
92198799007	05659 MW-13	EPA 8011	OEXT/27293	EPA 8011	GCSV/17393
92198799008	05659 MW-10	EPA 8011	OEXT/27293	EPA 8011	GCSV/17393
92198799009	05659 MW-14	EPA 8011	OEXT/27293	EPA 8011	GCSV/17393
92198799010	05659 MW-16	EPA 8011	OEXT/27293	EPA 8011	GCSV/17393
92198799012	05659 MW-18	EPA 8011	OEXT/27293	EPA 8011	GCSV/17393
92198799013	05659 MW-19R	EPA 8011	OEXT/27293	EPA 8011	GCSV/17393
92198799014	05659 MW-20	EPA 8011	OEXT/27293	EPA 8011	GCSV/17393
92198799015	05659 MW-21	EPA 8011	OEXT/27293	EPA 8011	GCSV/17393
92198799016	05659 MW-23	EPA 8011	OEXT/27292	EPA 8011	GCSV/17392
92198799017	05659 MW-24	EPA 8011	OEXT/27292	EPA 8011	GCSV/17392
92198799018	05659 MW-25	EPA 8011	OEXT/27292	EPA 8011	GCSV/17392
92198799019	05659 MW-26	EPA 8011	OEXT/27292	EPA 8011	GCSV/17392
92198799020	05659 MW-27	EPA 8011	OEXT/27292	EPA 8011	GCSV/17392
92198799021	05659 MW-28	EPA 8011	OEXT/27292	EPA 8011	GCSV/17392
92198799022	05659 MW-29	EPA 8011	OEXT/27292	EPA 8011	GCSV/17392
92198799023	05659 MW-30	EPA 8011	OEXT/27292	EPA 8011	GCSV/17392
92198799024	05659 MW-31	EPA 8011	OEXT/27292	EPA 8011	GCSV/17392
92198799025	05659 MW-32	EPA 8011	OEXT/27292	EPA 8011	GCSV/17392
92198799026	05659 MW-33	EPA 8011	OEXT/27292	EPA 8011	GCSV/17392
92198799027	05659 MW-34	EPA 8011	OEXT/27292	EPA 8011	GCSV/17392
92198799028	05659 MW-35	EPA 8011	OEXT/27292	EPA 8011	GCSV/17392
92198799029	05659 MW-36	EPA 8011	OEXT/27292	EPA 8011	GCSV/17392
92198799030	05659 MW-38	EPA 8011	OEXT/27292	EPA 8011	GCSV/17392
92198799031	05659 MW-39	EPA 8011	OEXT/27292	EPA 8011	GCSV/17392
92198799032	05659 MW-40	EPA 8011	OEXT/27292	EPA 8011	GCSV/17392
92198799033	05659 MW-41	EPA 8011	OEXT/27292	EPA 8011	GCSV/17392
92198799034	05659 MW-42	EPA 8011	OEXT/27292	EPA 8011	GCSV/17392
92198799035	05659 MW-43	EPA 8011	OEXT/27292	EPA 8011	GCSV/17392
92198799036	05659 MW-44	EPA 8011	OEXT/27294	EPA 8011	GCSV/17394
92198799037	05659 MW-45	EPA 8011	OEXT/27294	EPA 8011	GCSV/17394
92198799038	05659 MW-46	EPA 8011	OEXT/27294	EPA 8011	GCSV/17394
92198799039	05659 MW-47	EPA 8011	OEXT/27294	EPA 8011	GCSV/17394
92198799040	05659 MW-48	EPA 8011	OEXT/27294	EPA 8011	GCSV/17394
92198799041	05659 MW-49	EPA 8011	OEXT/27294	EPA 8011	GCSV/17394
92198799042	05659 MW-50	EPA 8011	OEXT/27294	EPA 8011	GCSV/17394
92198799043	05659 MW-51	EPA 8011	OEXT/27294	EPA 8011	GCSV/17394
92198799044	05659 MW-52	EPA 8011	OEXT/27294	EPA 8011	GCSV/17394
92198799045	05659 MW-54	EPA 8011	OEXT/27294	EPA 8011	GCSV/17394
92198799046	05659 MW-55	EPA 8011	OEXT/27294	EPA 8011	GCSV/17394
92198799047	05659 MW-56	EPA 8011	OEXT/27294	EPA 8011	GCSV/17394
92198799048	05659 TW-1	EPA 8011	OEXT/27294	EPA 8011	GCSV/17394
92198799049	05659 T-2	EPA 8011	OEXT/27294	EPA 8011	GCSV/17394

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(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Corner Stop 28
Pace Project No.: 92198799

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92198799050	05659 T-3	EPA 8011	OEXT/27294	EPA 8011	GCSV/17394
92198799051	05659 T-4	EPA 8011	OEXT/27294	EPA 8011	GCSV/17394
92198799052	05659 T-5	EPA 8011	OEXT/27294	EPA 8011	GCSV/17394
92198799053	05659 Creek	EPA 8011	OEXT/27294	EPA 8011	GCSV/17394
92198799054	05659 Duplicate 1	EPA 8011	OEXT/27294	EPA 8011	GCSV/17394
92198799055	05659 Duplicate 2	EPA 8011	OEXT/27294	EPA 8011	GCSV/17394
92198799056	05659 Duplicate 3	EPA 8011	OEXT/27297	EPA 8011	GCSV/17395
92198799057	05659 Field Blank 1	EPA 8011	OEXT/27345	EPA 8011	GCSV/17424
92198799058	05659 Field Blank 2	EPA 8011	OEXT/27345	EPA 8011	GCSV/17424
92198799001	05659 MW-2	EPA 8260	MSV/26602		
92198799002	05659 MW-3	EPA 8260	MSV/26602		
92198799003	05659 MW-5	EPA 8260	MSV/26602		
92198799004	05659 MW-6R	EPA 8260	MSV/26602		
92198799005	05659 MW-9	EPA 8260	MSV/26602		
92198799006	05659 MW-12R	EPA 8260	MSV/26602		
92198799007	05659 MW-13	EPA 8260	MSV/26602		
92198799008	05659 MW-10	EPA 8260	MSV/26602		
92198799009	05659 MW-14	EPA 8260	MSV/26602		
92198799010	05659 MW-16	EPA 8260	MSV/26602		
92198799012	05659 MW-18	EPA 8260	MSV/26602		
92198799013	05659 MW-19R	EPA 8260	MSV/26605		
92198799014	05659 MW-20	EPA 8260	MSV/26605		
92198799015	05659 MW-21	EPA 8260	MSV/26605		
92198799016	05659 MW-23	EPA 8260	MSV/26605		
92198799017	05659 MW-24	EPA 8260	MSV/26605		
92198799018	05659 MW-25	EPA 8260	MSV/26605		
92198799019	05659 MW-26	EPA 8260	MSV/26605		
92198799020	05659 MW-27	EPA 8260	MSV/26605		
92198799021	05659 MW-28	EPA 8260	MSV/26605		
92198799022	05659 MW-29	EPA 8260	MSV/26605		
92198799023	05659 MW-30	EPA 8260	MSV/26605		
92198799024	05659 MW-31	EPA 8260	MSV/26605		
92198799025	05659 MW-32	EPA 8260	MSV/26605		
92198799026	05659 MW-33	EPA 8260	MSV/26631		
92198799027	05659 MW-34	EPA 8260	MSV/26633		
92198799028	05659 MW-35	EPA 8260	MSV/26631		
92198799029	05659 MW-36	EPA 8260	MSV/26631		
92198799030	05659 MW-38	EPA 8260	MSV/26631		
92198799031	05659 MW-39	EPA 8260	MSV/26631		
92198799032	05659 MW-40	EPA 8260	MSV/26631		
92198799033	05659 MW-41	EPA 8260	MSV/26631		
92198799034	05659 MW-42	EPA 8260	MSV/26631		
92198799035	05659 MW-43	EPA 8260	MSV/26631		
92198799036	05659 MW-44	EPA 8260	MSV/26631		
92198799037	05659 MW-45	EPA 8260	MSV/26631		

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Corner Stop 28
Pace Project No.: 92198799

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92198799038	**05659 MW-46**	EPA 8260	MSV/26631		
92198799039	**05659 MW-47**	EPA 8260	MSV/26631		
92198799040	**05659 MW-48**	EPA 8260	MSV/26631		
92198799041	**05659 MW-49**	EPA 8260	MSV/26631		
92198799042	**05659 MW-50**	EPA 8260	MSV/26631		
92198799043	**05659 MW-51**	EPA 8260	MSV/26631		
92198799044	**05659 MW-52**	EPA 8260	MSV/26631		
92198799045	**05659 MW-54**	EPA 8260	MSV/26631		
92198799046	**05659 MW-55**	EPA 8260	MSV/26632		
92198799047	**05659 MW-56**	EPA 8260	MSV/26632		
92198799048	**05659 TW-1**	EPA 8260	MSV/26632		
92198799049	**05659 T-2**	EPA 8260	MSV/26632		
92198799050	**05659 T-3**	EPA 8260	MSV/26632		
92198799051	**05659 T-4**	EPA 8260	MSV/26632		
92198799052	**05659 T-5**	EPA 8260	MSV/26632		
92198799053	**05659 Creek**	EPA 8260	MSV/26632		
92198799054	**05659 Duplicate 1**	EPA 8260	MSV/26632		
92198799055	**05659 Duplicate 2**	EPA 8260	MSV/26632		
92198799056	**05659 Duplicate 3**	EPA 8260	MSV/26633		
92198799057	**05659 Field Blank 1**	EPA 8260	MSV/26633		
92198799058	**05659 Field Blank 2**	EPA 8260	MSV/26633		
92198799059	**05659 Trip Blank 1**	EPA 8260	MSV/26633		
92198799060	**05659 Trip Blank 2**	EPA 8260	MSV/26633		
92198799061	**05659 Trip Blank**	EPA 8260	MSV/26633		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 6

Section A Required Client Information:

Company:	KLM Environmental
Address:	PO Box 2704
	Goose Creek SC 29445
Email To:	mkeller131@comcast.net
Phone: 843 870 4285	Fax: 843 797 1893
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	Mark Keller
Copy To:	
Purchase Order No.:	
Project Name:	Corner Stop 28
Project Number:	

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	824-3

REGULATORY AGENCY

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

Site Location STATE: SC

Section D Required Client Information

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

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start Date	COLLECTED Composite Start Time	COLLECTED Composite End/GRAB Date	COLLECTED Composite End/GRAB Time	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): BTEX, Nap., MTBE	1,2, DCA	EDB	LEAD	Nitrate	Sulfate	Ferrous Iron	Methane	8 Oxygenates	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92190799
1	05659 mw-2	WT	G	4/23/14			1030						X					X	X	X						X		001
2	mw-3						1100																					002
3	mw-5						1145																					003
4	mw-6R						1200																					004
5	mw-9						1015																					005
6	mw 10						930																					006
7	mw-12R						900																					007
8	mw-13						915																					008
9	mw-14			4/22/14			1000																					009
10	mw-16			4/23/14			1330																					010
11	mw-17						1045																					011
12	mw-18						1415																					012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Mark Keller	4/24/14	1700	[illegible]	4/25/14	9:15	2.1	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

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CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 2 of 6

Section A Required Client Information:

Company:	KLM Environmental
Address:	PO Box 2704
	Goose Creek SC 29445
Email To:	mkeller131@comcast.net
Phone: 843 870 4285	Fax: 843 797 1893
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	Mark Keller
Copy To:	
Purchase Order No.:	
Project Name:	Convenstop 28
Project Number:	

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: SC

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE (COMPOSITE START)	COLLECTED TIME (COMPOSITE START)	COLLECTED DATE (COMPOSITE END/GRAB)	COLLECTED TIME (COMPOSITE END/GRAB)	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	BTEX, Nap., MTBE	1,2, DCA	EDB	LEAD	Nitrate	Sulfate	Ferrous Iron	Methane	8 Oxygenates	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92198799
1	05659 MW-19R	WT	G	4/23/14			1230						X						X	X	X						X	
2	MW-20			4/22/14			1645																					
3	MW-21			4/23/14			1245																					
4	MW-23						1215																					
5	MW-24						1400																					
6	MW-25						945																					
7	MW-26			4/22/14			1015																					
8	MW-27						1815																					
9	MW-28						1730																					
10	MW-29			4/23/14			1000																					
11	MW-30						1345																					
12	MW-31						1315																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Mark Keller	4/24/14	1700	[illegible] / pace	4/25/14	9:15	2.1	Y	N	Y

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

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CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 3 of 6

Section A Required Client Information:

Company:	KLM Environmental
Address:	PO Box 2704
	Goose Creek SC 29445
Email To:	mkeller131@comcast.net
Phone: 843 870 4285	Fax: 843 797 1893
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	Mark Keller
Copy To:	
Purchase Order No.:	
Project Name:	Cornerstop 28
Project Number:	

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: SC

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): BTEX, Nap., MTBE	1,2, DCA	EDB	LEAD	Nitrate	Sulfate	Ferrous Iron	Methane	8 Oxygenates	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	05659 Mw-32	WT	G	4/22/14			1600						X					X	X	X						X		025
2	Mw-33						1615																					026
3	Mw-34						1630																					027
4	Mw-35						1530																					028
5	Mw-36						1200																					029
6	Mw-38						1100																					030
7	Mw-39						1215																					031
8	Mw-40						1230																					032
9	Mw-41						1245																					033
10	Mw 42						1030																					034
11	Mw-43						1045																					035
12	Mw-44						1545																					036

92198799

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Mk Keller	4/24/14	1700	[illegible] Pace	4/25/14	9:15	2.1	Y	N	Y

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:					
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):				

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 6

Section A Required Client Information:

Company:	KLM Environmental
Address:	PO Box 2704
	Goose Creek SC 29445
Email To:	mkeller131@comcast.net
Phone: 843 870 4285	Fax: 843 797 1893
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	Mark Keller
Copy To:	
Purchase Order No.:	
Project Name:	Corner Stop 28
Project Number:	

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: SC

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	BTEX, Nap., MTBE	1,2, DCA	EDB	LEAD	Nitrate	Sulfate	Ferrous Iron	Methane	8 Oxygenates	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92198799
1	05659 MW-45	WT	G	4/22/14			1115						X						X	X	X						X		037
2	MW 46						1145																						038
3	MW-47						1130																						039
4	MW-48						1400																						040
5	MW-49						1415																						041
6	MW-50						1430																						042
7	MW-51						1445																						043
8	MW-52						1500																						044
9	MW-54						1345																						045
10	MW-55						1330																						046
11	MW-56			4/23/14			1445																						047
12	TW-1			4/23/14			1130																						048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Mark Keller	4/24/14	1700	pace	4/25/14	9:15	2.1	Y	N	Y

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:					
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):				

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CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 5 of 6

Section A Required Client Information:

Company:	KLM Environmental
Address:	PO Box 2704
	Goose Creek SC 29445
Email To:	mkeller131@comcast.net
Phone: 843 870 4285	Fax: 843 797 1893
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	Mark Keller
Copy To:	
Purchase Order No.:	
Project Name:	Corner Stop 28
Project Number:	

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: SC

Section D Required Client Information

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

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	BTEX, Nap., MTBE	1,2, DCA	EDB	LEAD	Nitrate	Sulfate	Ferrous Iron	Methane	8 Oxygenates	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92198799
1	05659 T-2	WT	G	4/22/14			1115						X						X	X	X					X		049
2	T-3						1800																					050
3	T-4						1230																					051
4	T-5						1300																					052
5	Creek						1520																					053
6	Duplicate 1			8			1645																					054
7	Duplicate 2			4/23/14			955																					055
8	Duplicate 3			4/23/14			1045																					056
9	Field Blank 1			4/22/14			1005																					057
10	Field Blank 2			4/23/14			1405																					058
11	Trip Blank 1																											No EDB059
12	Trip Blank 2																											No EDB060

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	mk Keller	4/24/14	1700	[illegible]	4/25/14	9:15	2.1	Y	N	Y

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:					
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):				

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 6 of 6

Section A
Required Client Information:

Company:	KLM Environmental
Address:	PO Box 2704
	Goose Creek SC 29445
Email To:	mkeller131@comcast.net
Phone: 843 870 4285	Fax: 843 797 1893
Requested Due Date/TAT:	

Section B
Required Project Information:

Report To:	Mark Keller
Copy To:	
Purchase Order No.:	
Project Name:	Corner Stop 28
Project Number:	

Section C
Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: SC

Section D
Required Client Information

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

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): BTEX, Nap., MTBE	1,2, DCA	EDB	LEAD	Nitrate	Sulfate	Ferrous Iron	Methane	8 Oxygenates	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	05659 Trip Blank	WT	G	4/22/14									X					X	X	X						X		92198799
2																												No EDB 0061
3																												062
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Mark Keller	4/24/14	1700	pace	4/25/14	9:15	2.1	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Water Quality Meter Calibration Sheet

Project: Corner Stop 28

Personnel : J. Boots

Calibration Date : 4/22/14

Time : 600

Meter Horiba U-52

Serial # W22MV13L

pH= 4.00 (100-4 Standard Solution)

Spec. Cond. = 4.52 mS/cm (100-4 Standard Solution)

Turb. = 1 NTU(100-4 Standard Solution)

D.O. = 9.61 mg/L (Air)

Signature [illegible]

Water Quality Meter Calibration Sheet

Project: Cornerstop 28

Personnel : J Boots

Calibration Date : 4/23/14

Time : 730

Meter Horiba U-52

Serial # W22MV13L

pH= 4.01 (100-4 Standard Solution)

Spec. Cond. = 4.48 mS/cm (100-4 Standard Solution)

Turb. = 0 NTU(100-4 Standard Solution)

D.O. = 9.16 mg/L (Air)

Signature [illegible]

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/23/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 1

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft. 44.16 44.38
Depth to GW (DWG) _____ ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
Water Temp (°F)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								
Salinity								
OVA								

Sample Time:

FP. NS

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/23/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 2

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 55 ft.
Depth to GW (DWG) 39.93 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	2	6	8.0					
Time (military)	1020	1025	1030					
Water Temp (°F)	68.7	69.5	69.7					
pH (s.u.)	6.11	6.20	6.25					
Specific Cond. (mS/cm)	.180	.186	.186					
Turbidity (NTU)	220	224	227					
Dissolved Oxygen (mg/L)	1.86	1.80	2.14					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1030

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/23/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW-3

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 55 ft.
Depth to GW (DWG) 44.49 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	1.5	3	5.5					
Time (military)	1050	1055	1100					
Water Temp (°F)	68.9	69.7	69.8					
pH (s.u.)	6.15	6.21	6.20					
Specific Cond. (mS/cm)	.240	.250	.257					
Turbidity (NTU)	132	130	134					
Dissolved Oxygen (mg/L)	3.10	2.22	2.74					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1100

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/23/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 4

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) _____ ft. DM

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
Water Temp (°F)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								
Salinity								
OVA								

Sample Time:

Dry when NS

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/23/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Well # MW- 5

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 44.67 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	3	5	8					
Time (military)	1135	1140	1145					
Water Temp (°F)	68.6	69.1	69.4					
pH (s.u.)	6.35	6.37	6.30					
Specific Cond. (mS/cm)	174	.180	182					
Turbidity (NTU)	85.1	87.~~285~~	88.6					
Dissolved Oxygen (mg/L)	2.36	2.10	2.14					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1145

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/23/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # **MW-** 6R

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 65 ft.
Depth to GW (DWG) 53.24 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	2	4	6					
Time (military)	1150	1150	1200					
Water Temp (°F)	68.0	69.7	69.6					
pH (s.u.)	5.74	5.72	5.70					
Specific Cond. (mS/cm)	.157	.150	.149					
Turbidity (NTU)	147	152	158					
Dissolved Oxygen (mg/L)	3.59	2.61	2.47					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1120

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/23/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:

Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # **MW-** 7

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 53.27-53.28 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
Water Temp (°F)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								
Salinity								
OVA								

Sample Time:

FP NS

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/23/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 9

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 36.63 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	4	8	12					
Time (military)	1005	1010	1015					
Water Temp (°F)	68.2	69.1	69.4					
pH (s.u.)	5.59	5.71	5.83					
Specific Cond. (mS/cm)	.176	.181	.189					
Turbidity (NTU)	99.3	96.1	89.2					
Dissolved Oxygen (mg/L)	4.93	3.19	3.14					
Salinity	0.1	0.1	0.1					
OVA	-	-	-					

Sample Time: 1015

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/23/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 10 - Dup 2

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 34.69 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	4	8	12.5					
Time (military)	920	925	930					
Water Temp (°F)	71.5	71.0	71.7					
pH (s.u.)	5.84	5.60	5.51					
Specific Cond. (mS/cm)	.216	.210	.207					
Turbidity (NTU)	116	119	123					
Dissolved Oxygen (mg/L)	7.41	4.10	3.23					
Salinity	0.1	0.1	0.1					
OVA	-	-						

Sample Time: 930 Dup 2 935

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/23/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:

Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 11

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 49.97 ft. 50.60

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
Water Temp (°F)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								
Salinity								
OVA								

Sample Time:

NS FP

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/23/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 12R

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 39.41 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5	10	15					
Time (military)	840	850	900					
Water Temp (°F)	68.1	69.7	72.2					
pH (s.u.)	6.12	6.23	6.29					
Specific Cond. (mS/cm)	.138	.144	.143					
Turbidity (NTU)	214	210	207					
Dissolved Oxygen (mg/L)	4.40	1.80	1.78					
Salinity	0.1	0.1	0.1					
OVA	—	—	—					

Sample Time: 900

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/23/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Well # MW- 13

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 40.53 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	3	6	10					
Time (military)	905	910	915					
Water Temp (°F)	68.0	69.7	69.9					
pH (s.u.)	6.08	6.20	6.34					
Specific Cond. (mS/cm)	.124	.137	.143					
Turbidity (NTU)	349	340	348					
Dissolved Oxygen (mg/L)	4.81	3.79	3.86					
Salinity	0.1	0.1	0.1					
OVA	—	—	—					

Sample Time: 915

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 14

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 50.10 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	1.5	3	5					
Time (military)	950	955	1000					
Water Temp (°F)	69.1	70.1	70.3					
pH (s.u.)	5.73	5.83	5.89					
Specific Cond. (mS/cm)	.113	.115	.113					
Turbidity (NTU)	465	457	453					
Dissolved Oxygen (mg/L)	6.87	7.11	6.51					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1000

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/23/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 15R

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) _____ ft. 53.68 - 55.49

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
Water Temp (°F)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								
Salinity								
OVA								

Sample Time:

FP NS

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/23/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Well # MW- 16

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 40.91 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	2	4	6					
Time (military)	1320	1325	1330					
Water Temp (°F)	65.8	66.7	67.9					
pH (s.u.)	5.97	5.80	5.95					
Specific Cond. (mS/cm)	.143	.145	.152					
Turbidity (NTU)	251	240	247					
Dissolved Oxygen (mg/L)	4.09	4.12	3.24					
Salinity	0.1	0.1	0.1					
OVA								

Sample Time: 1330

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/23/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:

Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 17 = Dup. 3

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 38.44 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	4	8	11					
Time (military)	1035	1040	1045					
Water Temp (°F)	69.0	70.1	71.4					
pH (s.u.)	6.23	6.27	6.32					
Specific Cond. (mS/cm)	.170	.181	.178					
Turbidity (NTU)	162	157	155					
Dissolved Oxygen (mg/L)	1.94	1.41	2.19					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1045 Dup 3 1045

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/23/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:

Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 18 ~ Dup. 4

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 53.99 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	1	2	3.5					
Time (military)	1405	1410	1415					
Water Temp (°F)	65.8	67.1	68.4					
pH (s.u.)	5.89	5.70	5.73					
Specific Cond. (mS/cm)	.098	.094	.092					
Turbidity (NTU)	4.29 ~~[illegible]~~	4.19 ~~[illegible]~~	4.10					
Dissolved Oxygen (mg/L)	1.96	1.86	1.80					
Salinity	0.0	0.0	0					
OVA	–	–	–					

Sample Time: 1415

Dup. 4 ~1420

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/23/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 19R

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 54.83 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	2	5	8					
Time (military)	1220	1225	1230					
Water Temp (°F)	68.7	69.7	70.3					
pH (s.u.)	6.21	6.24	6.20					
Specific Cond. (mS/cm)	.231	.237	.280					
Turbidity (NTU)	210	207	203					
Dissolved Oxygen (mg/L)	1.78	1.89	1.56					
Salinity	0.1	0	0					
OVA	-	-	-					

Sample Time: 1230

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW-20 = Dup.1

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 48.21 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	2	4	6					
Time (military)	1640	1645	1645					
Water Temp (°F)	68.9	70.2	70.4					
pH (s.u.)	5.84	5.90	5.97					
Specific Cond. (mS/cm)	.089	.090	.090					
Turbidity (NTU)	530	519	522					
Dissolved Oxygen (mg/L)	4.49	4.10	4.23					
Salinity	0.0	0.0	0.0					
OVA	–	–	–					

Sample Time: 1645

Dup.1 1645

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/23/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 21

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 65 ft.
Depth to GW (DWG) 54.32 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	1.5	3	5.5					
Time (military)	1235	1240	1245					
Water Temp (°F)	66.6	67.9	68.6					
pH (s.u.)	5.66	5.70	5.80					
Specific Cond. (mS/cm)	.089	.086	.083					
Turbidity (NTU)	415	410	407					
Dissolved Oxygen (mg/L)	2.12	2.10	2.37					
Salinity	0.0	0.0	0					
OVA	–	–	–					

Sample Time: 1246

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/23/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 22

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 53.54 ft. 53.55

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
Water Temp (°F)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								
Salinity								
OVA								

Sample Time:

FP NS

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/23/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 23

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 65 ft.
Depth to GW (DWG) 53.49 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	1.5	3	4					
Time (military)	1205	1210	1215					
Water Temp (°F)	67.3	68.9	70.1					
pH (s.u.)	5.41	5.60	5.68					
Specific Cond. (mS/cm)	.091	.091	.088					
Turbidity (NTU)	124	115	119					
Dissolved Oxygen (mg/L)	4.10	4.00	3.78					
Salinity	0.0	0.0	0.1					
OVA	–	–	–					

Sample Time: 1215

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/23/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 24

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 65 ft.
Depth to GW (DWG) 48.59 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	3	5	8.5					
Time (military)	1350	1355	1400					
Water Temp (°F)	65.7	66.9	68.2					
pH (s.u.)	5.65	5.74	5.84					
Specific Cond. (mS/cm)	.090	.090	.081					
Turbidity (NTU)	116	119	110					
Dissolved Oxygen (mg/L)	2.49	2.54	2.60					
Salinity	0.0	0.0	0.0					
OVA	-	-	-					

Sample Time: 1400

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/23/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 25

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 65 ft.
Depth to GW (DWG) 34.27 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5	10	15					
Time (military)	935	940	945					
Water Temp (°F)	70.2	70.8	71.1					
pH (s.u.)	5.80	5.87	5.91					
Specific Cond. (mS/cm)	.182	.187	.184					
Turbidity (NTU)	39.2	37.1	33.2					
Dissolved Oxygen (mg/L)	4.09	4.27	3.81					
Salinity	0.1	0.0	0.0					
OVA		-						

Sample Time: 945

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Well # MW- 26

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 65 ft.
Depth to GW (DWG) 47.65 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	3	6	9					
Time (military)	1005	1010	1015					
Water Temp (°F)	68.4	69.5	69.9					
pH (s.u.)	5.19	5.37	5.42					
Specific Cond. (mS/cm)	.174	.180	.188					
Turbidity (NTU)	390	386	376					
Dissolved Oxygen (mg/L)	2.19	2.71	3.01					
Salinity	0.1	0.1	0.1					
OVA			–					

Sample Time: 1015

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 27

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 65 ft.
Depth to GW (DWG) 41.32 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	3	6	9					
Time (military)	1805	1810	1815					
Water Temp (°F)	66.6	67.4	68.8					
pH (s.u.)	6.63	6.71	6.67					
Specific Cond. (mS/cm)	.121	.127	.132					
Turbidity (NTU)	124	130	136					
Dissolved Oxygen (mg/L)	4.19	4.10	3.90					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1815

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 28

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 65 ft.
Depth to GW (DWG) 43.57 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	4	8	11					
Time (military)	1720	1725	1730					
Water Temp (°F)	68.1	70.1	71.3					
pH (s.u.)	6.32	6.46	6.49					
Specific Cond. (mS/cm)	.286	.293	.297					
Turbidity (NTU)	107	101	99.7					
Dissolved Oxygen (mg/L)	1.88	1.45	1.37					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1730

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/23/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 29

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 32.81 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	6	13	19					
Time (military)	940	950	1000					
Water Temp (°F)	68.9	69.3	70.0					
pH (s.u.)	6.04	6.07	6.11					
Specific Cond. (mS/cm)	.136	.141	.147					
Turbidity (NTU)	250	270	262					
Dissolved Oxygen (mg/L)	5.31	4.22	3.61					
Salinity	0.1	0.1	0.1					
OVA	-	-	-					

Sample Time: 1000

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/23/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 30

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 50.09 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	3	7	10					
Time (military)	1335	1340	1345					
Water Temp (°F)	65.5	66.7	68.6					
pH (s.u.)	5.84	5.94	5.97					
Specific Cond. (mS/cm)	.092	.090	.084					
Turbidity (NTU)	140	142	147					
Dissolved Oxygen (mg/L)	3.70	2.80	2.84					
Salinity	00	0	0					
OVA	-	-	-					

Sample Time: 1345

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/23/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 31

Well Diameter(D) 2 inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 38.30 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5	10	16					
Time (military)	1305	1310	1315					
Water Temp (°F)	68.9	70.0	70.1					
pH (s.u.)	6.18	6.20	6.10					
Specific Cond. (mS/cm)	.250	.254	.257					
Turbidity (NTU)	111	107	100					
Dissolved Oxygen (mg/L)	2.12	2.33	2.64					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1315

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Well # MW- 32

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 41.75 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5	10	14.5					
Time (military)	1550	1550	1600					
Water Temp (°F)	67.2	68.1	68.3					
pH (s.u.)	6.17	6.22	6.25					
Specific Cond. (mS/cm)	.134	.134	.132					
Turbidity (NTU)	51.4	50.3	46.2					
Dissolved Oxygen (mg/L)	5.10	4.22	3.63					
Salinity	0.1	0.1	0					
OVA	–	–	–					

Sample Time: 1600

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 33

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 45.93 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	4	8	13					
Time (military)	1605	1610	1615					
Water Temp (°F)	68.7	69.4	70.2					
pH (s.u.)	6.05	6.10	6.17					
Specific Cond. (mS/cm)	.137	.130	.125					
Turbidity (NTU)	28.0	29.7	33.4					
Dissolved Oxygen (mg/L)	4.51	3.60	3.24					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1615

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 34

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 47.39 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	3	6	11.5					
Time (military)	1620	1625	1630					
Water Temp (°F)	69.4	70.0	70.4					
pH (s.u.)	5.66	5.79	5.86					
Specific Cond. (mS/cm)	.057	.053	.051					
Turbidity (NTU)	40.1	48.6	50.4					
Dissolved Oxygen (mg/L)	2.40	2.10	2.34					
Salinity	0.0	0.0	0.0					
OVA	—	—	—					

Sample Time: 1630

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # **MW-** 35

Well Diameter(D) 2 inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 37.100 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5	10	16					
Time (military)	1520	1525	1530					
Water Temp (°F)	68.3	69.7	70.2					
pH (s.u.)	6.31	6.30	6.25					
Specific Cond. (mS/cm)	.202	.207	.212					
Turbidity (NTU)	33.5	35.2	38.6					
Dissolved Oxygen (mg/L)	4.19	4.01	3.86					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1530

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Well # MW- 36

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 42.93 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5	10	14					
Time (military)	1150	1155	1200					
Water Temp (°F)	65.4	66.1	67.2					
pH (s.u.)	6.05	6.22	6.27					
Specific Cond. (mS/cm)	.089	.090	.094					
Turbidity (NTU)	42.3	47.3	49.0					
Dissolved Oxygen (mg/L)	7.13	3.71	3.52					
Salinity	0.0	0.1	0.1					
OVA	–	–	–					

Sample Time: 1200

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/23/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 37

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ft.
Depth to GW (DWG) _____ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
Water Temp (°F)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								
Salinity								
OVA								

Sample Time:

CML

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW-38

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 35.59 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5	10	17					
Time (military)	1050	1055	1100					
Water Temp (°F)	67.5	68.7	69.8					
pH (s.u.)	5.66	5.60	5.71					
Specific Cond. (mS/cm)	.084	.080	.081					
Turbidity (NTU)	20.4	20.7	24.3					
Dissolved Oxygen (mg/L)	3.41	2.10	2.57					
Salinity	0.0	0.1	0.1					
OVA	–	–	–					

Sample Time: 1100

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 39

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 43.07 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5	9	13					
Time (military)	1205	1210	1215					
Water Temp (°F)	66.8	67.7	68.6					
pH (s.u.)	6.09	6.21	6.32					
Specific Cond. (mS/cm)	.178	.186	.191					
Turbidity (NTU)	37.6	38.2	39.2					
Dissolved Oxygen (mg/L)	5.86	4.18	3.74					
Salinity	0.1	0.1	0.0					
OVA	–	–	–					

Sample Time: 1215

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # **MW-** 40

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 48.77 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	3	6	11					
Time (military)	1220	1225	1230					
Water Temp (°F)	67.6	68.1	68.6					
pH (s.u.)	6.26	6.29	6.33					
Specific Cond. (mS/cm)	.118	.118	.120					
Turbidity (NTU)	99.0	96.2	91.3					
Dissolved Oxygen (mg/L)	4.42	4.12	3.90					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1230

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 41

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 41.82 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5	10	15					
Time (military)	1235	1240	1245					
Water Temp (°F)	67.7	68.1	68.0					
pH (s.u.)	6.23	6.23	6.27					
Specific Cond. (mS/cm)	.200	.207	.214					
Turbidity (NTU)	28.3	30.2	33.6					
Dissolved Oxygen (mg/L)	3.94	3.41	3.12					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1245

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 42

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 5.33 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	3	6	10					
Time (military)	1020	1025	1030					
Water Temp (°F)	68.4	69.4	69.7					
pH (s.u.)	5.55	5.50	5.48					
Specific Cond. (mS/cm)	.192	.186	.191					
Turbidity (NTU)	59.6	70.1	63.2					
Dissolved Oxygen (mg/L)	4.80	2.18	2.77					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1030

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 43

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 70 ft.
Depth to GW (DWG) 40.99 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5	10	15					
Time (military)	1035	1040	1045					
Water Temp (°F)	67.5	68.1	69.2					
pH (s.u.)	5.61	5.74	5.86					
Specific Cond. (mS/cm)	020	.020	023					
Turbidity (NTU)	30.9	33.4	37.2					
Dissolved Oxygen (mg/L)	5.52	4.15	3.28					
Salinity	0.0	0.	0					
OVA	–	–	–					

Sample Time: 1045

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Well # MW- 49

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 50 ft.
Depth to GW (DWG) 46.27 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	.5	1	2					
Time (military)	1535	1540	1545					
Water Temp (°F)	67.9	68.2	69.1					
pH (s.u.)	6.41	6.43	6.48					
Specific Cond. (mS/cm)	.117	.115	.113					
Turbidity (NTU)	234	250	245					
Dissolved Oxygen (mg/L)	4.33	4.10	3.89					
Salinity	0.1	0.1	0.1					
OVA	–		–					

Sample Time: 1545

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # **MW-** 45

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 50 ft.
Depth to GW (DWG) 29.96 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	3	6	10.5					
Time (military)	1105	1110	1115					
Water Temp (°F)	66.5	68.1	68.9					
pH (s.u.)	5.60	5.55	5.50					
Specific Cond. (mS/cm)	.066	.071	.075					
Turbidity (NTU)	101	112	108					
Dissolved Oxygen (mg/L)	5.39	3.13	3.40					
Salinity	0.0	0.0	0.0					
OVA	–	–	–					

Sample Time: 1115

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 46

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 50 ft.
Depth to GW (DWG) 26.30 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	4	8	12					
Time (military)	1135	1140	1145					
Water Temp (°F)	6.50	6.71	6.82					
pH (s.u.)	5.49	5.62	5.60					
Specific Cond. (mS/cm)	.196	.187	.182					
Turbidity (NTU)	240	251	247					
Dissolved Oxygen (mg/L)	4.57	4.19	3.81					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1145

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # **MW-** 47

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 50 ft.
Depth to GW (DWG) 29.92 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	3	6	10					
Time (military)	1120	1125	1130					
Water Temp (°F)	65.2	66.8	66.8					
pH (s.u.)	5.57	5.67	5.62					
Specific Cond. (mS/cm)	.193	.210	.206					
Turbidity (NTU)	566	560	555					
Dissolved Oxygen (mg/L)	5.52	5.51	5.17					
Salinity	0.1	0.2	0.1					
OVA	-		-					

Sample Time: 1130

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # **MW-** 48

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 45 ft.
Depth to GW (DWG) 36.71 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	1.5	3	4.5					
Time (military)	1350	1355	1400					
Water Temp (°F)	66.2	67.4	68.2					
pH (s.u.)	6.35	6.30	6.21					
Specific Cond. (mS/cm)	.124	.129	.133					
Turbidity (NTU)	612	427	438					
Dissolved Oxygen (mg/L)	4.58	3.50	3.59					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1400

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 49

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 40 ft.
Depth to GW (DWG) 30.21 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	1.5	3	5					
Time (military)	1405	1410	1415					
Water Temp (°F)	66.4	67.4	68.6					
pH (s.u.)	6.08	6.12	6.30					
Specific Cond. (mS/cm)	.126	.127	.132					
Turbidity (NTU)	446	440	437					
Dissolved Oxygen (mg/L)	3.56	2.50	2.78					
Salinity	0.1	0.1	0.1					
OVA	–		–					

Sample Time: 1415

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 50

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 30 ft.
Depth to GW (DWG) 21.63 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	1.5	3	4.5					
Time (military)	1420	1425	1430					
Water Temp (°F)	67.9	68.6	68.5					
pH (s.u.)	6.21	6.30	6.36					
Specific Cond. (mS/cm)	.097	.101	.106					
Turbidity (NTU)	229	230	234					
Dissolved Oxygen (mg/L)	1.70	1.86	1.97					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1430

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 51

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 40 ft.
Depth to GW (DWG) 30.70 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	1.5	3	5					
Time (military)	1435	1440	1445					
Water Temp (°F)	68.1	69.7	72					
pH (s.u.)	6.51	6.74	6.86					
Specific Cond. (mS/cm)	.207	.220	.224					
Turbidity (NTU)	141	173	156					
Dissolved Oxygen (mg/L)	2.10	2.34	2.47					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1445

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 52

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 48 ft.
Depth to GW (DWG) 32.21 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	3	6	8					
Time (military)	1450	1455	1500					
Water Temp (°F)	67.1	68.9	68.7					
pH (s.u.)	6.67	6.80	6.87					
Specific Cond. (mS/cm)	.120	.139	.143					
Turbidity (NTU)	101	96.3	95.4					
Dissolved Oxygen (mg/L)	3.14	2.19	2.11					
Salinity	0.1	0.1	0.1					
OVA	–	–						

Sample Time: 1500

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/~~23~~ 22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:

Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 53

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 31.69 - 31.89 31.69 - 31.89

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
Water Temp (°F)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								
Salinity								
OVA								

Sample Time: FP N5

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:

Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- 54

Well Diameter(D) 2 Inches or _____ feet

conversion factor(C): $3.143*(D/2)^2$

for a 2 inch well C=0.163

4 inch well C=0.652

Total Well Depth (TWD) 50 ft.

Depth to GW (DWG) 40.17 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.

3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	1.5	3	5					
Time (military)	1335	1340	1345					
Water Temp (°F)	65.6	66.7	66.9					
pH (s.u.)	6.67	6.80	6.77					
Specific Cond. (mS/cm)	.116	.117	.110					
Turbidity (NTU)	165	150	156					
Dissolved Oxygen (mg/L)	5.90	4.20	4.19					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1345

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW-55

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 50 ft.
Depth to GW (DWG) 47.89 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	0.5	1	1.5					
Time (military)	1300	1325	1330					
Water Temp (°F)	70.6	71.1	71.4					
pH (s.u.)	6.66	6.69	6.70					
Specific Cond. (mS/cm)	.152	.150	.155					
Turbidity (NTU)	107	109	101					
Dissolved Oxygen (mg/L)	6.77	6.14	5.70					
Salinity	0.1	0.1	0.1					
OVA	-	-	-					

Sample Time: 1330

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/23/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Well # MW-C 56

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 42 ft.
Depth to GW (DWG) 29.42 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	2	4	6.5					
Time (military)	1435	1440	1445					
Water Temp (°F)	63.9	64.7	65.2					
pH (s.u.)	5.90	5.90	5.93					
Specific Cond. (mS/cm)	115	112	110					
Turbidity (NTU)	84.3	80.2	78.6					
Dissolved Oxygen (mg/L)	4.55	2.60	2.81					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1445

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/23/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- TW-1

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 81 ft.
Depth to GW (DWG) 45.58 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	6	12	18					
Time (military)	1110	1120	1130					
Water Temp (°F)	69.0	70.4	72.1					
pH (s.u.)	6.36	6.27	6.20					
Specific Cond. (mS/cm)	.108	.110	.107					
Turbidity (NTU)	97.1	96.2	94.3					
Dissolved Oxygen (mg/L)	3.40	2.10	2.70					
Salinity	0.1	0.1	0.1					
OVA	–	–	–					

Sample Time: 1130

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- TW-2

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 81 ft.
Depth to GW (DWG) 48.62 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5	10	16.5					
Time (military)	1705	1710	1718					
Water Temp (°F)	67.7	68.6	69.3					
pH (s.u.)	5.98	5.90	5.86					
Specific Cond. (mS/cm)	.263	.274	.286					
Turbidity (NTU)	116	124	125					
Dissolved Oxygen (mg/L)	3.09	3.17	3.30					
Salinity	0.1	0.1	0.0					
OVA	–	–	–					

Sample Time: 1715

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- TW-3

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 90 ft.
Depth to GW (DWG) 47.59 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	7	14	21					
Time (military)	1740	1750	1800					
Water Temp (°F)	67.6	68.8	67.9					
pH (s.u.)	6.75	6.71	6.68					
Specific Cond. (mS/cm)	.388	.390	.394					
Turbidity (NTU)	37.1	39.9	40.7					
Dissolved Oxygen (mg/L)	3.82	2.86	2.77					
Salinity	0.2	0.1	0.1					
OVA	-	-	-					

Sample Time: 1800

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # MW- TW-4

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 31 ft.
Depth to GW (DWG) 43.53 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	6	12	19					
Time (military)	1210	1220	1230					
Water Temp (°F)	66.0	67.7	69.1					
pH (s.u.)	6.76	6.81	6.80					
Specific Cond. (mS/cm)	.348	.362	.360					
Turbidity (NTU)	22.5	24.1	20.3					
Dissolved Oxygen (mg/L)	3.38	3.16	2.66					
Salinity	0.2	0.1	0.1					
OVA	–	–	–					

Sample Time: 1230

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # **MW-** TW-5

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 90 ft.
Depth to GW (DWG) 52.59 ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	6	13	19					
Time (military)	1240	1250	1300					
Water Temp (°F)	66.1	67.7	66.8					
pH (s.u.)	6.51	6.27	6.39					
Specific Cond. (mS/cm)	.458	.450	.452					
Turbidity (NTU)	24.8	26.3	28.7					
Dissolved Oxygen (mg/L)	2.76	2.16	2.30					
Salinity	0.2	0.2	0.3					
OVA	-	-	-					

Sample Time: 1300

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 4/22/14
Field Personnel Jason Boots and Mark Keller
General Weather Condition Sunny
Ambient Air Temperature 70
Facility Name Corner Stop 28
Site ID# 05659

Quality Assurance:
Please see Water Quality Meter Calibration Sheet attached in front of the sampling sheets.

Well # **MW-** Creek

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ft.
Depth to GW (DWG) _____ft.

Length of Water Column (LWC=TWD-DGW) _____ft.

1 Csg. Volume (LWC*C)= _____ x .163 = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
Water Temp (°F)								
pH (s.u.)								
Specific Cond. (mS/cm)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								
Salinity								
OVA								

Sample Time: 1800

odor

APPENDIX C

Regional Geology

APPENDIX D

Field Screening Logs

APPENDIX E

Well Logs

APPENDIX F

Aquifer Calculations / Historical Water Levels

TABLE 1 Historical Groundwater Data (feet) Corner Stop #28 Ware Shoals, SC						
Monitoring Well	**Date**	**TOC Elevation**	**Screened Interval**	**TOC to FP**	**TOC to GW**	**GW Elevation**
MW-1	5/30/07	99.42	34-54	46.11	48.03	51.39
	10/23/07			46.53	48.20	51.22
	2/27/08			47.32	48.94	--
	12/4/08			49.26	49.57	FP
	6/1/09			48.11	48.57	--
	9/28/10			44.72	48.75	FP
	2/28/11			46.40	48.53	FP
	9/28/11			47.39	48.44	FP
	4/23/14			44.16	44.38	FP
MW-2	5/30/07	98.19	45-55	-	43.38	54.81
	10/23/07			-	43.41	54.78
	2/27/08			--	43.29	54.90
	12/4/08			--	44.33	53.86
	6/1/09			--	41.06	57.13
	9/28/10			--	42.31	55.88
	2/28/11			--	44.59	53.6
	9/28/11			--	45.03	53.16
	4/23/14			--	39.93	58.26
MW-3	5/30/07	99.02	45-55	45.41	45.45	53.57
	10/23/07			45.62	45.64	53.38
	2/27/08			46.17	46.29	--
	12/4/08			47.53	47.55	FP
	6/1/09			--	46.60	52.42
	9/28/10			--	44.65	54.37
	2/28/11			--	46.71	52.31
	9/28/11			--	46.52	52.50
	4/23/14			--	44.49	54.53
MW-4	5/30/07	102.70	45-60	-	DRY	-
	10/23/07			-	Dry	Dry
	2/27/08			--	Dry	Dry
	12/4/08			DRY	DRY	DRY
	6/1/09			--	DRY	--
	9/28/10			--	48.60	54.10
	2/28/11			--	51.02	51.68
	9/28/11			--	Dry	--
	4/23/14			--	Dry	--
MW-5	5/30/07	99.90	35-60	-	45.74	54.16
	10/23/07			-	46.40	53.50
	2/27/08			--	47.26	52.64
	12/4/08			--	49.00	50.90
	6/1/09			--	47.92	51.98
	9/28/10			--	45.22	54.68
	2/28/11			--	47.60	52.3
	9/28/11			--	47.37	52.53
	4/23/14			--	44.67	55.23

MW-6	5/30/07	101.45	33-48	-	47.53	53.92
	10/23/07			-	Dry	Dry
	2/28/11			-	Dry	Dry
MW-6R	2/27/08	101.94	45-65	--	56.98	44.96
	12/4/08			--	59.27	42.67
	6/1/09			--	58.77	43.17
	9/28/10			--	53.69	48.25
	2/28/11			--	55.80	46.14
	9/28/11			--	56.82	45.12
	4/23/14			--	53.24	48.70
MW-7	5/30/07	101.61	35-60	53.39	54.15	47.46
	10/23/07			55.27	57.11	44.50
	2/27/08			57.52	57.63	--
	12/4/08			59.29	59.32	FP
	6/1/09			58.98	59.02	--
	9/28/10			53.83	53.84	FP
	2/28/11			56.30	56.32	FP
	9/28/11			57.45	57.55	FP
	4/23/14			53.27	53.28	FP
MW-9	5/30/07	96.71	35-60	-	37.16	59.55
	10/23/07			-	41.84	54.87
	2/27/08			--	41.92	54.79
	12/4/08			--	42.21	54.50
	6/1/09			--	36.70	60.01
	9/28/10			--	39.25	57.46
	2/28/11			--	41.90	54.81
	9/28/11			--	41.79	54.92
	4/23/14			--	36.63	60.08
MW-10	5/30/07	98.24	35-60	-	34.78	63.46
	10/23/07			-	34.95	63.29
	2/27/08			--	35.03	63.21
	12/4/08			--	35.00	63.24
	6/1/09			--	35.85	62.39
	9/28/10			--	34.76	63.48
	2/28/11			--	57.12	41.12
	9/28/11			--	35.06	63.18
	4/23/14			--	34.69	63.55
MW-11	5/30/07	100.53	30-55	49.79	53.11	47.42
	10/23/07			51.60	54.21	46.32
	2/27/08			53.41	54.45	--
	12/4/08			54.73	54.89	FP
	6/1/09			54.73	54.85	--
	9/28/10			--	50.78	49.75
	2/28/11			--	53.20	47.33
	9/28/11			53.77	54.46	FP
	4/23/14			49.97	50.60	FP

MW-12	5/30/07	97.96	33-48	-	CNL	-
	10/23/07			-	CNL	CNL
	2/27/08			--	CNL	CNL
	12/4/08			DRY	DRY	DRY
	2/28/11			DRY	DRY	DRY
MW-12R	6/1/09	99.58	50-70	--	40.62	58.96
	9/28/10			--	40.20	59.38
	2/28/11			--	42.71	56.87
	9/28/11			--	41.72	57.86
	4/23/14			--	39.41	60.17
MW-13	5/30/07	99.96	40-60	-	41.39	58.57
	10/23/07			-	41.28	58.68
	2/27/08			--	41.52	58.44
	12/4/08			--	43.27	56.69
	6/1/09			--	41.75	58.21
	9/28/10			--	40.15	59.81
	2/28/11			--	42.69	57.27
	9/28/11			--	42.79	57.17
	4/23/14			--	40.53	59.43
MW-14	5/30/07	102.92	40-60	-	50.84	52.08
	10/23/07			-	52.62	50.30
	2/27/08			--	54.30	48.62
	12/4/08			--	56.78	46.14
	6/1/09			--	56.31	46.61
	9/28/10			--	51.18	51.74
	2/28/11			--	53.48	49.44
	9/28/11			--	54.28	48.64
	4/22/14			--	50.10	52.82
MW-15	5/30/07	101.50	40-60	-	54.04	47.46
	10/23/07			55.84	55.85	45.65
	2/27/08			57.44	58.19	--
	12/4/08			DRY	DRY	DRY
	6/1/09			--	DRY	--
	9/28/10			54.40	54.42	FP
	2/28/11			56.60	56.62	FP
	9/28/11			57.10	57.11	FP
MW-15R	6/1/09	101.29	50-70	59.86	59.87	--
	9/28/10			54.12	56.80	FP
	2/28/11			56.33	56.46	FP
	9/28/11			57.42	60.59	FP
	4/23/14			53.68	55.49	FP
MW-16	5/30/07	98.68	40-60	-	50.71	47.97
	10/23/07			-	52.35	46.33
	2/27/08			--	52.65	46.03
	12/4/08			--	52.59	46.09
	6/1/09			--	50.33	48.35
	9/28/10			--	50.30	48.38
	2/28/11			--	52.96	45.72
	9/28/11			--	51.68	47
	4/23/14			--	48.91	49.77

MW-17	10/23/07	99.05	40-60	-	41.72	57.33
	2/27/08			--	41.33	57.72
	12/4/08			--	42.20	56.85
	6/1/09			--	38.80	60.25
	9/28/10			--	38.72	60.33
	2/28/11			--	41.11	57.94
	9/28/11			--	40.14	58.91
	4/23/14			--	38.44	60.61
MW-18	10/23/07	101.23	40-60	-	55.38	45.85
	2/27/08			55.76	55.84	--
	12/4/08			55.87	55.93	FP
	6/1/09			55.77	55.97	--
	9/28/10			54.25	54.26	FP
	2/28/11			56.29	56.30	FP
	9/28/11			55.84	55.90	45.33
	4/23/14			--	53.49	47.74
MW-19	10/23/07	102.19	40-60	-	56.62	45.57
	2/27/08			58.95	58.97	--
	12/4/08			DRY	DRY	DRY
	6/1/09			--	DRY	--
	9/28/10			--	55.08	47.11
	2/28/11			--	57.21	44.98
MW-19R	6/1/09	102.03	50-70	--	60.48	41.55
	9/28/10			--	55.59	46.44
	2/28/11			--	57.97	44.06
	9/28/11			--	58.01	44.02
	4/23/14			--	54.83	47.20
MW-20	10/23/07	91.47	40-60	-	50.56	40.91
	2/27/08			--	52.52	38.95
	12/4/08			--	55.01	36.46
	6/1/09			--	54.50	36.97
	9/28/10			--	48.98	42.49
	2/28/11			--	51.32	40.15
	9/28/11			--	52.48	38.99
	4/22/14			--	48.21	43.26
MW-21	2/27/08	100.39	45-65	--	58.70	41.69
	12/4/08			--	61.25	39.14
	6/1/09			--	60.60	39.79
	9/28/10			--	54.90	45.49
	2/28/11			--	56.99	43.4
	9/28/11			--	58.54	41.85
	4/23/14			--	54.32	46.07
MW-22	2/27/08	100.39	45-65	--	58.37	42.02
	12/4/08			60.57	61.25	FP
	6/1/09			59.55	60.01	--
	9/28/10			55.35	55.65	FP
	2/28/11			57.81	57.92	FP
	9/28/11			58.02	58.51	FP
	4/23/14			53.54	53.55	FP

MW-23	12/4/08	101.62	45-65	--	59.52	42.10
	6/1/09			--	59.87	41.75
	9/28/10			--	53.93	47.69
	2/28/11			--	55.90	45.72
	9/28/11			--	57.27	44.35
	4/23/14			--	54.49	47.13
MW-24	12/4/08	101.71	45-65	--	61.91	39.80
	6/1/09			--	58.71	43.00
	9/28/10			--	48.75	52.96
	2/28/11			--	51.01	50.7
	9/28/11			--	48.66	53.05
	4/23/14			--	48.59	53.12
MW-25	12/4/08	97.73	45-65	DRY	DRY	DRY
	6/1/09			--	33.76	63.97
	9/28/10			--	32.95	64.78
	2/28/11			--	35.11	62.62
	9/28/11			--	37.74	59.99
	4/23/14			--	34.27	63.46
MW-26	12/4/08	100.01	45-65	--	52.96	47.05
	6/1/09			--	52.14	47.87
	9/28/10			--	58.01	42.00
	2/28/11			--	60.25	39.76
	9/28/11			--	50.62	49.39
	4/22/14			--	47.65	52.36
MW-27	12/4/08	94.30	45-65	--	54.22	40.08
	6/1/09			--	53.42	40.88
	9/28/10			--	48.25	46.05
	2/28/11			--	50.50	43.80
	9/28/11			--	51.65	42.65
	4/22/14			--	47.32	46.98
MW-28	12/4/08	87.21	45-65	--	50.32	36.89
	6/1/09			--	48.57	38.64
	9/28/10			--	44.38	42.83
	2/28/11			--	46.70	40.51
	9/28/11			--	47.83	39.38
	4/22/14			--	43.57	43.64
MW-29	6/1/09	96.72	50-70	--	33.10	63.62
	9/28/10			--	33.00	63.72
	2/28/11			--	35.17	61.55
	9/28/11			--	32.78	63.94
	4/23/14			--	32.81	63.91
MW-30	6/1/09	102.10	50-70	--	50.21	51.89
	9/28/10			--	50.22	51.88
	2/28/11			--	52.68	49.42
	9/28/11			--	50.22	51.88
	4/23/14			--	50.09	52.01
MW-31	6/1/09	94.97	50-70	--	37.01	57.96
	9/28/10			--	38.19	56.78
	2/28/11			--	40.15	54.82
	9/28/11			--	38.42	56.55
	4/23/14			--	38.30	56.67

MW-32	6/1/09	86.78	50-70	--	44.40	42.38
	9/28/10			--	43.40	43.38
	2/28/11			--	45.83	40.95
	9/28/11			--	46.33	40.45
	4/22/14			--	41.75	45.03
MW-33	6/1/09	88.98	50-70	52.06	52.37	--
	9/28/10			46.72	47.00	FP
	2/28/11			48.79	49.08	FP
	9/28/11			50.36	50.78	FP
	4/22/14			--	45.93	43.05
MW-34	6/1/09	90.20	50-70	--	53.79	36.41
	9/28/10			--	48.14	42.06
	2/28/11			--	50.19	40.01
	9/28/11			--	51.79	38.41
	4/22/14			--	47.39	42.81
MW-35	6/1/09	71.30	50-70	--	39.12	32.18
	9/28/10			--	37.70	33.60
	2/28/11			--	39.87	31.43
	9/28/11			--	38.22	33.08
	4/22/14			--	37.18	34.12
MW-36	6/1/09	81.34	50-70	--	50.30	31.04
	9/28/10			--	53.40	27.94
	2/28/11			--	55.62	25.72
	9/28/11			--	46.42	34.92
	4/22/14			--	42.93	38.41
MW-37	6/1/09	67.13	50-70	--	37.96	29.17
	9/28/10			--	43.25	23.88
	2/28/11			--	45.74	21.39
	9/28/11			--	37.78	29.35
	4/22/14			--	CNL	--
MW-38	6/1/09	72.76	50-70	--	41.90	30.86
	9/28/10			--	46.58	26.18
	2/28/11			--	48.90	23.86
	9/28/11			--	40.51	32.25
	4/22/14			--	35.59	37.17
MW-39	6/1/09	89.53	50-70	--	47.40	42.13
	9/28/10			--	49.61	39.92
	2/28/11			--	44.25	45.28
	9/28/11			--	50.04	39.49
	4/22/14			--	43.07	46.46
MW-40	6/1/09	91.41	50-70	--	53.87	37.54
	9/28/10			--	57.57	33.84
	2/28/11			--	59.81	31.60
	9/28/11			--	50.98	40.43
	4/22/14			--	48.77	42.64
MW-41	6/1/09	94.23	50-70	--	DRY	--
	9/28/10			--	51.58	42.65
	2/28/11			--	53.86	40.37
	9/28/11			--	41.50	52.73
	4/22/14			--	41.82	52.41

MW-42	6/1/09	100.92	50-70	--	55.38	45.54
	9/28/10			--	60.29	40.63
	2/28/11			--	62.37	38.55
	9/28/11			--	52.89	48.03
	4/22/14			--	50.33	50.59
MW-43	6/1/09	95.52	50-70	--	45.78	49.74
	9/28/10			--	51.51	44.01
	2/28/11			--	53.80	41.72
	9/28/11			--	43.85	51.67
	4/22/14			--	40.44	55.08
MW-44	9/28/10	63.92	30-50	--	43.93	19.99
	2/28/11			--	45.82	18.10
	9/28/11			--	47.85	16.07
	4/22/14			--	46.27	17.65
MW-45	9/28/10	64.00	30-50	--	40.42	23.58
	2/28/11			--	42.51	21.49
	9/28/11			--	33.77	30.23
	4/22/14			--	29.46	34.54
MW-46	9/28/10	55.65	30-50	--	37.76	17.89
	2/28/11			--	40.15	15.50
	9/28/11			--	30.74	24.91
	4/22/14			--	26.30	29.35
MW-47	9/28/10	68.64	30-50	--	41.13	27.51
	2/28/11			--	43.63	25.01
	9/28/11			--	35.00	33.64
	4/22/14			--	29.92	38.72
MW-48	2/28/11	68.77	35-45	--	35.90	32.87
	9/28/11			--	37.54	31.23
	4/22/14			--	36.71	32.06
MW-49	2/28/11	58.36	30-40	--	32.20	26.16
	9/28/11			--	34.29	24.07
	4/22/14			--	30.21	28.15
MW-50	2/28/11	58.69	20-30	--	24.58	34.11
	9/28/11			--	27.03	31.66
	4/22/14			--	21.63	37.06
MW-51	2/28/11	62.92	30-40	--	31.00	31.92
	9/28/11			--	32.52	30.40
	4/22/14			--	30.70	32.22
MW-52	3/22/11	60.02	38-48	--	47.62	12.40
	9/28/11			--	34.77	25.25
	4/22/14			--	32.21	27.81
MW-53	2/28/11	51.61	25-35	26.65	26.79	FP
	9/28/11			24.97	25.81	FP
	4/22/14			31.64	31.89	FP
MW-54	9/28/11	59.23	40-50	--	41.60	17.63
	4/22/14			--	40.17	19.06
MW-55	9/28/11	39.76	40-50	--	Dry	--
	4/22/14			--	47.89	-8.13
MW-56	9/28/11	37.50	32-42	--	33.25	4.25
	4/23/14			--	45.58	-8.08

T-1**	5/30/07	100.32	71-81	-	51.91	48.41
	10/23/07			-	53.40	46.92
	2/27/08			--	55.67	44.65
	12/4/08			--	56.82	43.50
	6/1/09			--	57.46	42.86
	9/28/10			--	58.10	42.22
	2/28/11			--	60.41	39.91
	9/28/11			--	54.68	45.64
	4/23/14			--	29.42	70.9
T-2**	10/23/07	91.86	76-81	-	51.04	40.82
	2/27/08			--	52.98	38.88
	12/4/08			--	55.46	36.40
	6/1/09			--	54.93	36.93
	9/28/10			--	49.45	42.41
	2/28/11			--	51.90	39.96
	9/28/11			--	52.94	38.92
	4/22/14			--	48.52	43.34
T-3**	6/1/09	95.68	85-90	--	53.52	42.16
	9/28/10			--	47.19	48.49
	2/28/11			--	49.01	46.67
	9/28/11			--	51.65	44.03
	4/22/14			--	47.59	48.09
T-4**	9/28/10	89.32	76-81	--	43.01	46.31
	2/28/11			--	44.85	44.47
	9/28/11			--	45.72	43.60
	4/22/14			--	43.53	45.79
T-5**	9/28/10	89.31	85-90	--	61.24	28.07
	2/28/11			--	63.11	26.20
	9/28/11			--	54.25	35.06
	4/22/14			--	52.59	36.72

APPENDIX G

Disposal Manifest

US Water Recovery

Non-Hazardous Manifest: Waste Water or Drums

Number:

1. Generator's EPA ID# (if applicable):

Waste ID Number:

2. Generator's Name and Mailing Address:

Corner Stop #28

Phone ( )

P O #:

3. Agent of Generator and Mailing Address:

K.L.M ENV

Phone ( )

P O #:

4. Transporter Company Name:

Phone ( )

Truck & Trailer License Number: Vacuum Recovery Tech

5. Transporter U.S. EPA ID#:

6. Facility Name and Site Address:
US Water Recovery
511 Old Mt. Holly Rd.
Goose Creek, SC 29445

Phone: (843) 797-8674

Fax: (843) 797-2126

Mailing Address:
US Water Recovery
511 Old Mt. Holly Rd.
Goose Creek, SC 29445

Phone: (843) 797-3111

Fax: (843) 797-1884

7. Facility U.S. EPA ID#:

Start Level: End Level: Total Gallons: Tank Number

8. U.S. DOT Description	Container No.	Container Type	Unit	Quantity
a. Non-Hazardous, non-regulated waste water				541

9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.

Printed/Typed Name: Mark Keller Signature: Mark Keller Date: 5-9-14

10. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: Samuel Holmes Signature: Samuel Holmes Date: 5-9-14

11. Discrepancy Indication space:

12. Facility Owner or Operator: Certification of Receipt of Materials

Printed/Typed Name: Dan Ward Signature: Dan Ward Date 5-9-14

White - Facility Yellow - Office Pink - Transporter Blue - Generator

10471

APPENDIX H

Zoning Information

APPENDIX I

Fate and Transport Modeling

APPENDIX J

Access Agreements

APPENDIX K

Checklist

Contractor Checklist

For each report submitted to the UST Management Division, the contractor will be required to verify that all data elements for the required scope of work have been provided. For items not required for the scope of work, the N/A box should be checked. For items required and not completed or provided, the No box should be checked and a thorough description of the reason must be provided.

Item #	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	✓		
2	Is UST Owner/Operator name, address, & phone number provided?	✓		
3	Is name, address, & phone number of current property owner provided?	✓		
4	Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	✓		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?			✓
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?	✓		
7	Has the facility history been summarized?	✓		
8	Has the regional geology and hydrogeology been described?	✓		
9	Are the receptor survey results provided as required?			✓
10	Has current use of the site and adjacent land been described?	✓		
11	Has the site-specific geology and hydrogeology been described?			✓
12	Has the primary soil type been described?			✓
13	Have field screening results been described?			✓
14	Has a description of the soil sample collection and preservation been detailed?			✓
15	Has the field screening methodology and procedure been detailed?			✓
16	Has the monitoring well installation and development dates been provided?			✓
17	Has the method of well development been detailed?			✓
18	Has justification been provided for the locations of the monitoring wells?			✓
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?	✓		
20	Has the groundwater sampling methodology been detailed?	✓		
21	Have the groundwater sampling dates and groundwater measurements been provided?	✓		
22	Has the purging methodology been detailed?	✓		
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?	✓		
24	If free-product is present, has the thickness been provided?	✓		
25	Does the report include a brief discussion of the assessment done and the results?			✓
26	Does the report include a brief discussion of the aquifer evaluation and results?			✓
27	Does the report include a brief discussion of the fate & transport models used?			✓

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

Explanation for missing and incomplete information?

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MS MAUREEN JACKSON
WORSLEY COMPANIES INC
PO BOX 3227
WILMINGTON NC 28406-0227

DEC 04 2007

Re: Assessment Directive
Corner Stop 28 (Former Fast Point 17), 717 North Greenwood Ave., Ware Shoals, SC
UST Permit #05659; CA# 31192; MWA#UMW-21310
Release reported December 30, 1991
Assessment Report received November 16, 2007
Greenwood County

Dear Ms. Jackson:

The Underground Storage Tank (UST) Program of the South Carolina Department of Health and Environmental Control (SCDHEC) recognizes your commitment to continue work at this site utilizing KLM Environmental, LLC. The report shows that the horizontal extent of the contamination remains undefined. Therefore, the Program requests that two additional monitoring wells be installed. Install two monitoring wells southwest of monitoring wells MW-15 and MW-19. Please replace monitoring well MW-6 since the referenced report state that monitoring well MW-6 was dry. Please see the enclosed map for proposed well locations. Please have your contractor conduct one eight-hour Aggressive Fluid Vapor Recovery (AFVR) event on monitoring wells MW-11 and MW-7. **Please note that groundwater sampling is to take place at least 30 days after the AFVR event**. All monitoring wells should be sampled and analyzed for BTEX+naphthalene+MTBE, EDB and lead.

Cost Agreement # 31192 has been approved in the amount shown on the enclosed cost agreement form for the sampling, well installation, and the AFVR event. If the well screen does not bracket the water table or the well was newly installed, the monitoring well should be purged prior to obtaining samples. Please have your contractor submit the sampling results to the Program in a monitoring report containing the following:

- A narrative portion documenting current site conditions and noting the names of field personnel, date, time, ambient air temperature, and general weather conditions during the sampling event. The report shall also contain well purging data, pH, specific conductivity, water temperature, PID readings (where applicable) and turbidity comments.
- Groundwater elevations, depth to groundwater, measurable free product thickness (where applicable), total well depth and screened interval for all monitoring wells associated with the site, unless otherwise directed by the Program, shall be presented in tabular form. Groundwater laboratory analytical data for all monitoring wells for this and all previous sampling events shall be presented in tabular format.
- A groundwater elevation contour map of the site based on current groundwater potentiometric data.
- A CoC map based on current groundwater laboratory analytical data. The groundwater data should be adjacent to the relevant monitoring well.
- Manifests for any contaminated soil and/or groundwater removed from the site for treatment and/or disposal.
- Signature and seal by a professional geologist or engineer registered in the State of South Carolina.
- Boring logs and signed 1903 forms.
- A narrative portion documenting the AFVR event noting site conditions, the name of the AFVR contractor, field personnel, date, time the AFVR event started and ended, ambient air temperature, general weather conditions during the AFVR event, and the estimated amount in gallons of the petroleum products removed as a liquid or vapor for the event. **Wells containing free phase product should be gauged at the beginning and end of the AFVR event**. Disposal manifests for the AFVR event should be included as part of the final report.

UST PROGRAM
DOCKETING # 4

KLM Environmental, LLC. can submit an invoice for direct billing from the State Underground Petroleum Environmental Response Bank (SUPERB) Account. Please note that all applicable South Carolina certification requirements apply to the laboratory services, well installation, and report preparation. All site rehabilitation activities must be performed and submitted by a South Carolina Certified Underground Storage Tank Site Rehabilitation Contractor.

An Assessment Report and invoice are due within **90 days** from the date of this letter. An interim well drilling invoice may be submitted for this scope of work. If the invoice and completed report are 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 Program is obtained. If for any reason additional tasks will be completed, these additional tasks and the associated cost must be preapproved by the Program for the cost to be paid. 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. Further, SCDHEC reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

The Department 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 COC concentrations, based on laboratory analysis, are 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 concerning this site, please reference UST Permit #05659 and CA #31192. If there are any questions concerning this project, please contact me at (803) 896-6323. I can also be reached by email at brineysm@dhec.sc.gov or by fax at (803) 896-6245.

Sincerely,

Stephanie Briney

Stephanie Briney, Hydrogeologist
Assessment Section
Assessment and Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

enc: Approved Cost Agreement
Monitoring Well Approval
Site Map

cc: Technical File (w/enc)
KLM Environmental LLC., 137 Evergreen Magnolia Ave., Goose Creek, SC 29445 (w/enc)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

Monitoring Well Installation Approval Form

Approval is hereby granted to:	KLM Environmental, LLC.
(On behalf of):	Worsley Companies, Inc.
UST Permit #:	05659
Address:	717 N. Greenwood Ave., Ware Shoals, SC
County:	Greenwood

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

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

1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.

2. All monitoring wells shall be labeled as required by R.61-71.H.2.c.

3. A Water Well Record Form or other form provided or approved by the Department shall be completed and submitted to the Department within 30 days after well completion or abandonment unless another schedule has been approved by the Department. 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 Department within 30 days of receipt of laboratory results unless another schedule has been approved by the Department as required by R.61-71.H.1.d.

5. If any of the information provided to the Department changes, notification to Stephanie Briney the project manager (tel: (803) 896-6323 or e-mail: brineysm@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. Departmental approval is required prior to abandonment of all monitoring wells as required by R.61-71.H.1.a.

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

Date of Issuance: **November 27, 2007** **Approval #:** **UMW-21310**

Stephanie Briney

Stephanie Briney, Hydrogeologist
Assessment Section
Division of Assessment and Corrective Action
Underground Storage Tank Program
Bureau of Land and Waste Management

FIGURE 2
SITE MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

KLM Environmental, LLC
Phase I Phase II Underground Storage Tanks Soil & Water Sampling Well Installation

Approved Cost Agreement 31192

Facility: 05659 CORNER STOP 28
BRINEYSM
PO Number:

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
04 MOB/DEMOB						
		A	EQUIPMENT	1.0000	550.00	550.00
		B	PERSONNEL	5.0000	275.00	1,375.00
09 WELL INSTALLATION						
		D	ROCK DRILLING	180.0000	58.00	10,440.00
10 SAMPLE COLLECTION						
		A	GROUND WATER	5.0000	55.00	275.00
		D	GROUNDWATER NO-PURGE	11.0000	35.00	385.00
		E	GAUGE WELL ONLY	7.0000	20.00	140.00
11 ANALYSES						
	GW GROUNDWATER	A	BTEX+NAPTH+MTBE	16.0000	100.00	1,600.00
		BB	1,2-DCA	16.0000	10.75	172.00
		E	LEAD	16.0000	20.00	320.00
		F	EDB	16.0000	55.00	880.00
16 SUBSEQUENT SURVEY						
			SUBSEQUENT SURVEY	1.0000	260.00	260.00
17 DISPOSAL						
		A1	WASTEWATER - PURGING/SAMPLING	5.0000	90.00	450.00
		A2	WASTEWATER - PUMPING TEST	1,000.0000	0.60	600.00
		C	SOIL (TREATMENT/DISPOSAL)	8.0000	50.00	400.00
19 RPT/PROJECT MNGT & COORDINATIO						
		PCT	PERCENT	0.1500	20,847.00	3,127.05
23 EFR						
		A	8 HOUR EVENT	1.0000	3,000.00	3,000.00
					Total Amount	23,974.05

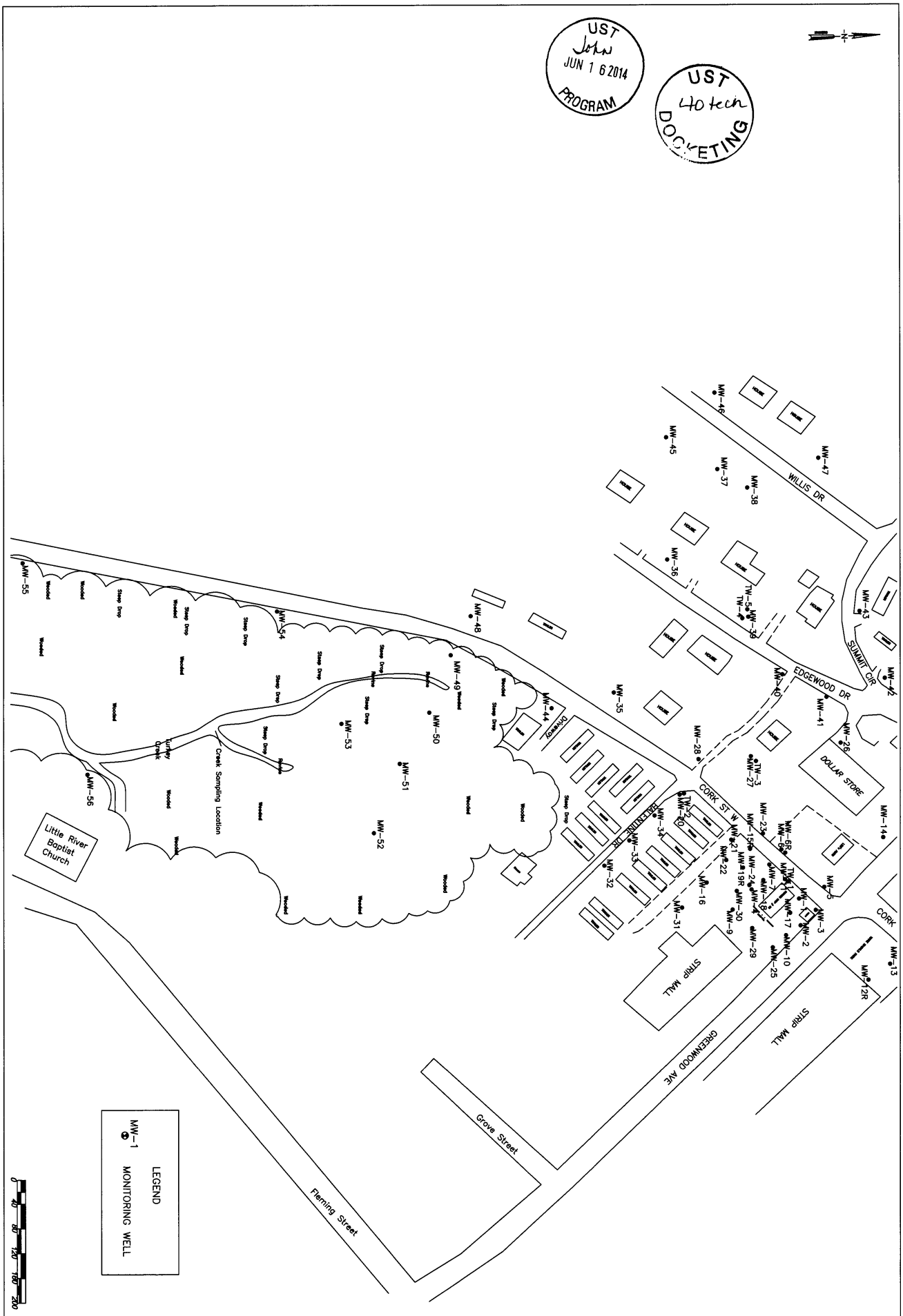


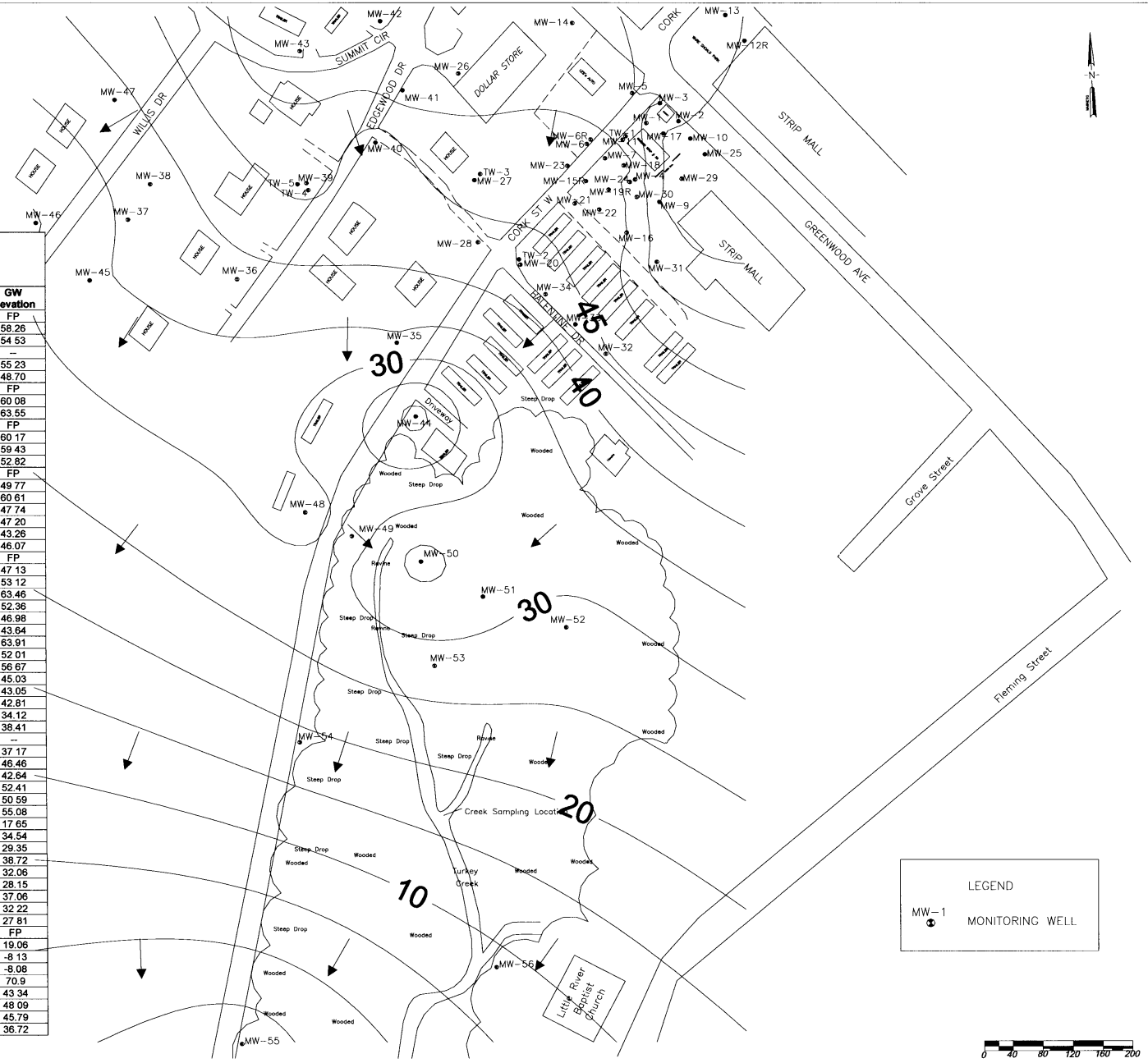
FIGURE 2
SITE MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

KLM Environmental, LLC
Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

UST John JUN 16 2014 PROGRAM
UST 40 tech DOCKETING

TABLE 1
Groundwater Data (feet)
Corner Stop #28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	GW Elevation
MW-1*	4/23/14	99 42	34-54	44 16	44.38	FP
MW-2	4/23/14	98 19	45-55	--	39.93	58.26
MW-3	4/23/14	99.02	45-55	--	44.49	54 53
MW-4*	4/23/14	102 70	45-60	--	Dry	--
MW-5	4/23/14	99.90	35-60	--	44.67	55 23
MW-6R	4/23/14	101 94	45-65	--	53.24	48.70
MW-7*	4/23/14	101 61	35-60	53.27	53.28	FP
MW-9	4/23/14	96.71	35-60	--	36.63	60 08
MW-10	4/23/14	98.24	35-60	--	34.69	63.55
MW-11*	4/23/14	100 53	30-55	49.97	50.60	FP
MW-12R	4/23/14	99.58	50-70	--	39.41	60 17
MW-13	4/23/14	99.96	40-60	--	40.53	59 43
MW-14	4/22/14	102 92	40-60	--	50.10	52.82
MW-15R*	4/23/14	101.29	50-70	53.68	55.49	FP
MW-16	4/23/14	98.68	40-60	--	48.91	49 77
MW-17	4/23/14	99.05	40-60	--	38.44	60 61
MW-18	4/23/14	101.23	40-60	--	53.49	47 74
MW-19R	4/23/14	102.03	50-70	--	54 83	47 20
MW-20	4/22/14	91 47	40-60	--	48.21	43.26
MW-21	4/23/14	100.39	45-65	--	54 32	46.07
MW-22*	4/23/14	100 39	45-65	53.54	53.55	FP
MW-23	4/23/14	101.62	45-65	--	54.49	47 13
MW-24	4/23/14	101.71	45-65	--	48.59	53 12
MW-25	4/23/14	97 73	45-65	--	34.27	63.46
MW-26	4/22/14	100.01	45-65	--	47 65	52.36
MW-27	4/22/14	94.30	45-65	--	47 32	46.98
MW-28	4/22/14	87.21	45-65	--	43 57	43.64
MW-29	4/23/14	96.72	50-70	--	32.81	63.91
MW-30	4/23/14	102.10	50-70	--	50.09	52 01
MW-31	4/23/14	94.97	50-70	--	38.30	56 67
MW-32	4/22/14	86 78	50-70	--	41.75	45.03
MW-33	4/22/14	88.98	50-70	--	45 93	43.05
MW-34	4/22/14	90.20	50-70	--	47.39	42.81
MW-35	4/22/14	71.30	50-70	--	37 18	34.12
MW-36	4/22/14	81 34	50-70	--	42.93	38.41
MW-37*	4/22/14	67 13	50-70	--	CNL	--
MW-38	4/22/14	72.76	50-70	--	35.59	37 17
MW-39	4/22/14	89.53	50-70	--	43.07	46.46
MW-40	4/22/14	91 41	50-70	--	48.77	42.64
MW-41	4/22/14	94 23	50-70	--	41 82	52.41
MW-42	4/22/14	100.92	50-70	--	50.33	50 59
MW-43	4/22/14	95.52	50-70	--	40.44	55.08
MW-44	4/22/14	63.92	30-50	--	46.27	17 65
MW-45	4/22/14	64 00	30-50	--	29.46	34.54
MW-46	4/22/14	55 65	30-50	--	26 30	29.35
MW-47	4/22/14	68 64	30-50	--	29.92	38.72
MW-48	4/22/14	68 77	35-45	--	36 71	32.06
MW-49	4/22/14	58.36	30-40	--	30 21	28.15
MW-50	4/22/14	58.69	20-30	--	21.63	37.06
MW-51	4/22/14	62 92	30-40	--	30.70	32 22
MW-52	4/22/14	60 02	38-48	--	32.21	27 81
MW-53*	4/22/14	51.61	25-35	31 64	31 89	FP
MW-54	4/22/14	59.23	40-50	--	40.17	19.06
MW-55	4/22/14	39 76	40-50	--	47 89	-8 13
MW-56	4/23/14	37.50	32-42	--	45.58	-8.08
T-1*	4/23/14	100.32	71-81	--	29.42	70.9
T-2*	4/22/14	91 86	76-81	--	48.52	43 34
T-3*	4/22/14	95.68	85-90	--	47 59	48 09
T-4*	4/22/14	89.32	76-81	--	43.53	45.79
T-5*	4/22/14	89 31	85-90	--	52 59	36.72



KLM Environmental, LLC

Phase I · Phase II · Underground Storage Tanks · Soil & Water Sampling · Well Installation

FIGURE 3
PIEZOMETRIC MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

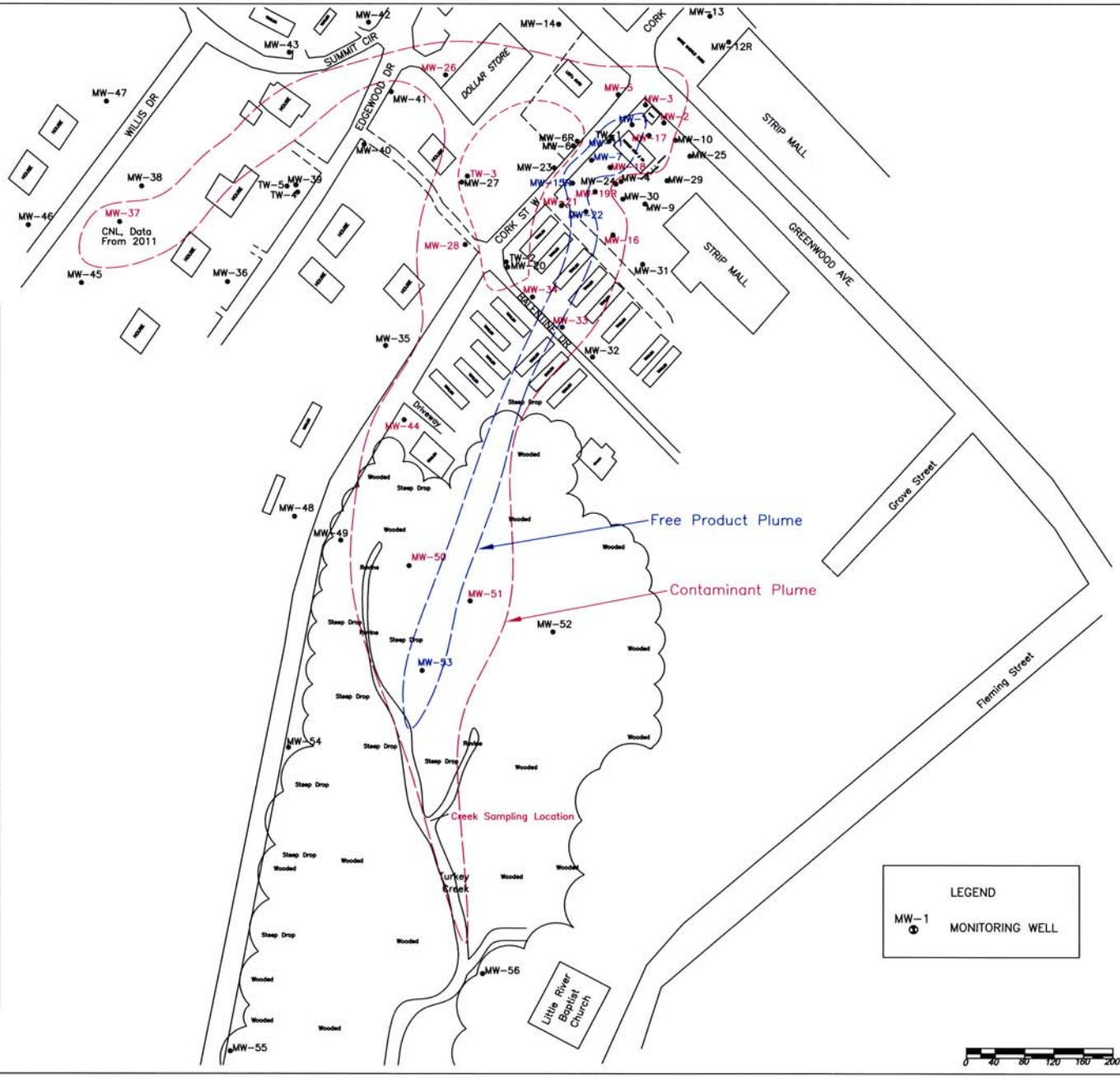


TABLE 2
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naph-thalene	1,2 DCA	EDB
RBSL	--	**5**	**1000**	**700**	**10000**	**40**	**25**	**5**	**0.05**
MW-1	4/23/14	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-2	4/23/14	**230**	**3520**	**1100**	7770	**468**	**491**	<50.0	**2.5**
MW-3	4/23/14	**795**	**5250**	613	**12200**	**1810**	**695**	<50.0	**1.2**
MW-4	4/23/14	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
MW-5	4/23/14	**30.0**	271	184	1570	**285**	**498**	<50.0	**0.13**
MW-6R	4/23/14	<5.0	12.9	8.7	71.9	<5.0	15.3	<5.0	<0.020
MW-7	4/23/14	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-9	4/23/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-10	4/23/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-11	4/23/14	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-12R	4/23/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-13	4/23/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-14	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-15	4/23/14	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-15R	4/23/14	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-16	4/23/14	<5.0	112	90.5	620	<5.0	**150**	<5.0	<0.020
Dup 3 (MW-17)	4/23/14	**666**	**5460**	**1360**	7800	**1310**	**684**	<250	**2.7**
MW-18	4/23/14	**202**	**7580**	**4280**	**19300**	**126**	**797**	<50.0	<0.019
MW-19R	4/23/14	**2800**	**26700**	**3110**	**17200**	**7760**	**562**	<25.0	**6.0**
MW-20	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	2.4	<5.0	<0.020
MW-21	4/23/14	3.3	122	88.1	579	23.3	**80.7**	<5.0	<0.020
MW-22	4/23/14	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-23	4/23/14	<5.0	2.9	<5.0	<10.0	<5.0	3.8	<5.0	<0.020
MW-24	4/23/14	4.2	<5.0	<5.0	111	7.8	13.2	<5.0	<0.020
MW-25	4/23/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-26	4/22/14	**121**	<5.0	<5.0	25.7	5.5	7.3	**6.4**	<0.020
MW-27	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
MW-28	4/22/14	**66.0**	1.8	<5.0	<10.0	**428**	<5.0	**26.1**	<0.020
MW-29	4/23/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-30	4/23/14	<5.0	3.3	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-31	4/23/14	<5.0	20.3	9.3	59.9	<5.0	14.8	<5.0	<0.020
MW-32	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-33	4/22/14	**41.9**	591	188	1020	**218**	**45.7**	<25.0	<0.020
MW-34	4/22/14	<100	729	598	5650	<100	**232**	<100	<0.019
MW-35	4/22/14	<5.0	5.7	5.9	41.1	<5.0	14.6	<5.0	<0.020
MW-36	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
MW-37*	9/28/11	<10.0	<10.0	<10.0	<20.0	**185**	<10.0	<10.0	<0.020
MW-38	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
MW-39	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
MW-40	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-41	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-42	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
MW-43	4/22/14	<5.0	<5.0	<5.0	<10.0	**83.9**	<5.0	<5.0	<0.020
MW-44	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-45	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-46	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-47	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-48	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
MW-49	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-50	4/22/14	**16.4**	<5.0	5.3	<10.0	**122**	15.7	<5.0	<0.020
MW-51	4/22/14	**2900**	**5290**	**3100**	8450	**361**	**502**	<250	**0.14**
MW-52	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-53	4/22/14	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
MW-54	4/22/14	<5.0	<5.0	<5.0	<10.0	6.5	<5.0	<5.0	<0.020
MW-55	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
MW-56	4/23/14	<5.0	8.8	2.9	18.5	<5.0	2.1	<5.0	<0.020
T-1	4/23/14	<5.0	7.8	4.7	31.6	<5.0	17.2	<5.0	<0.020
T-2	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019
T-3	4/22/14	<5.0	<5.0	<5.0	<10.0	**197**	<5.0	<5.0	<0.020
T-4	4/22/14	<5.0	<5.0	<5.0	<10.0	6.3	<5.0	<5.0	<0.020
T-5	4/22/14	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020
Creek	4/22/14	**313**	185	120	142	**589**	**40.0**	<25.0	<0.019

KLM Environmental, LLC

Phase I· Phase II· Underground Storage Tanks· Soil & Water Sampling· Well Installation

FIGURE 4
COC MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

Domenico Model

UST # 05659
Site Name: Corner Stop 28
Modeler: John Bryant
Date: 6/17/2014

Groundwater Flow Parameters

K		ft/yr
dh/dx		
θ	0.25	dec. %
v_x	40	ft/yr

Transport Parameters

x_{max}	1025	ft
y_{max}	0	ft
z	0	ft
Source Width	30	ft
Source Thickness	15	ft
Plume Length	1025	ft
α_x	24.741	ft
α_y	2.4741	ft
α_z	1.00E-99	ft

Simulation Time

t_{sim}	23	yrs

Aquifer Characteristics

ρ_d	1.6	kg/L
f_{oc}	0.0002	

Source Area CoC Data

CoC	C_{source} (mg/L)	K_{oc} (L/kg)
Benzene	2.8	81
Toluene	26.7	133
Ethylbenzene	3.11	176
Xylenes	17.2	639
Naphthalene	0.562	1543
MtBE	7.76	11
EDB	0.006	28
1,2-DCA		17.5

Retarded Velocity (ft/yr)

CoC	R	v_R
Benzene	1.104	36.24
Toluene	1.170	34.18
Ethylbenzene	1.225	32.65
Xylenes	1.818	22.00
Naphthalene	2.975	13.45
MtBE	1.014	39.44
EDB	1.036	38.62
1,2-DCA	1.022	39.12

Simulation Points for Breakthrough Curves

x	0	ft
y	0	ft
z	0	ft

x	0	ft
y	0	ft
z	0	ft

$$C(x,y,z,t)=\left(\frac{C_0}{8}\right)\exp\left[\left(\frac{x}{2\alpha_x}\right)\left(1-\sqrt{1+\frac{4\lambda\alpha_x}{v}}\right)\right]erfc\left[\frac{x-vt\sqrt{1+\frac{4\lambda\alpha_x}{v}}}{2\sqrt{\alpha_x vt}}\right]\left\{erf\left[\frac{y+\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]-erf\left[\frac{y-\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]\right\}\left\{erf\left[\frac{z+Z}{2\sqrt{\alpha_z x}}\right]-erf\left[\frac{z-Z}{2\sqrt{\alpha_z x}}\right]\right\}$$

UST DOCKETING
4/1/2014

Benzene Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	2.8	2.8
102.5		0.966
205		0.493
307.5		0.284
410		0.172
512.5		0.107
615		0.066
717.5		0.040
820		0.023
922.5		0.012
1025	0.005	0.005

Temporal Calibration Data

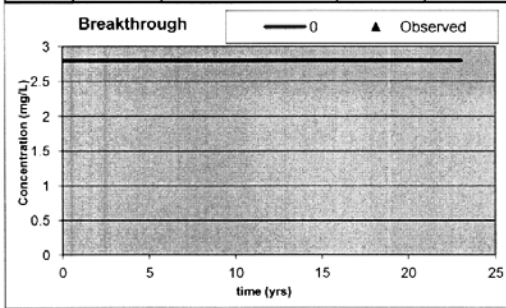
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		2.8		2.8
2.3		2.800		2.800
4.6		2.800		2.800
6.9		2.800		2.800
9.2		2.800		2.800
11.5		2.800		2.800
13.8		2.800		2.800
16.1		2.800		2.800
18.4		2.800		2.800
20.7		2.800		2.800
23		2.800		2.800

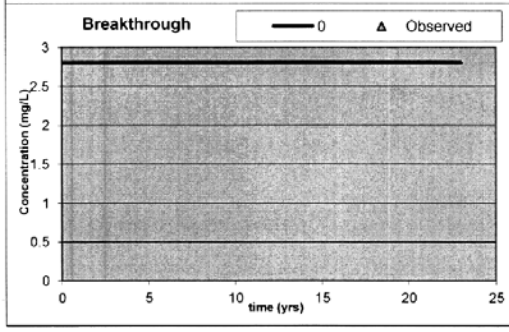
Site ID 05659

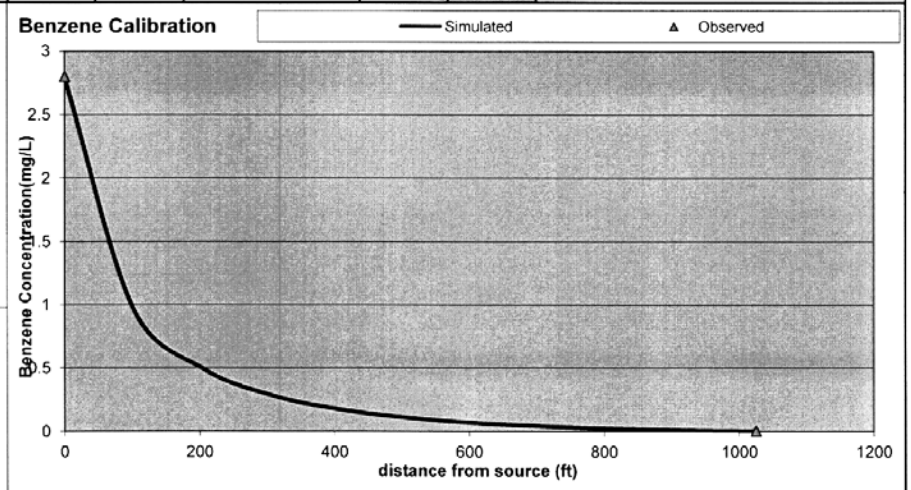
Site Name Corner Stop 28

Model Calibration Parameters

$t_{1/2}$	5	yrs	λ	0.1386	yr^{-1}
v_x	40	ft/yr			
R	1.104				
v_R	36.242	ft/yr	C_{source}	2.8	mg/L
L_p	1025	ft			
α_x	24.741	ft	t_{sim}	23	yrs
α_y	2.4741	ft			
α_z	1E-99	ft			







Source	102.5	205	307.5	410	512.5	615	717.5	820	922.5	1025
0	0.96565003	0.49320403	0.28406619	0.17221446	0.10689648	0.0664264	0.040166	0.022793	0.01167	0.005199
0	0.96565003	0.49320403	0.28406619	0.17221446	0.10689648	0.0664264	0.040166	0.022793	0.01167	0.005199
0	0.96565003	0.49320403	0.28406619	0.17221446	0.10689648	0.0664264	0.040166	0.022793	0.01167	0.005199
0	0.96565003	0.49320403	0.28406619	0.17221446	0.10689648	0.0664264	0.040166	0.022793	0.01167	0.005199
0	0.96565003	0.49320403	0.28406619	0.17221446	0.10689648	0.0664264	0.040166	0.022793	0.01167	0.005199

Toluene Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	26.7	26.7
102.5		7.215
205		2.888
307.5		1.304
410		0.620
512.5		0.303
615		0.149
717.5		0.072
820		0.033
922.5		0.014
1025	0.005	0.005

Temporal Calibration Data

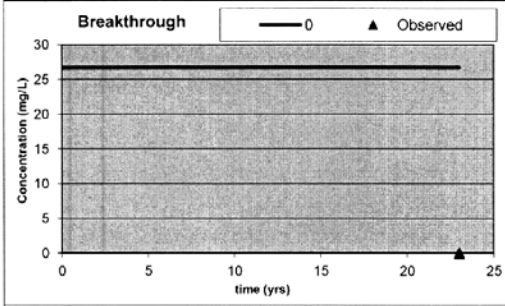
t (yrs)	0 C_{obs} (mg/L)	0 C_{sim} (mg/L)	0 C_{obs} (mg/L)	0 C_{sim} (mg/L)
0		26.7		26.7
2.3		26.700		26.700
4.6		26.700		26.700
6.9		26.700		26.700
9.2		26.700		26.700
11.5		26.700		26.700
13.8		26.700		26.700
16.1		26.700		26.700
18.4		26.700		26.700
20.7		26.700		26.700
23	0.005	26.700		26.700

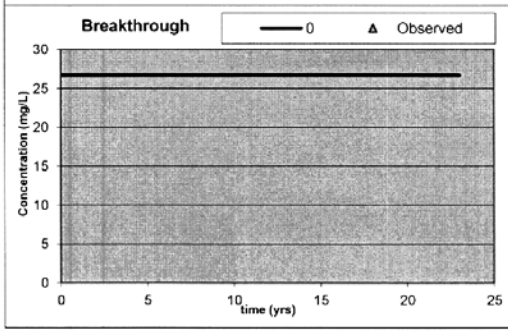
Site ID 05659

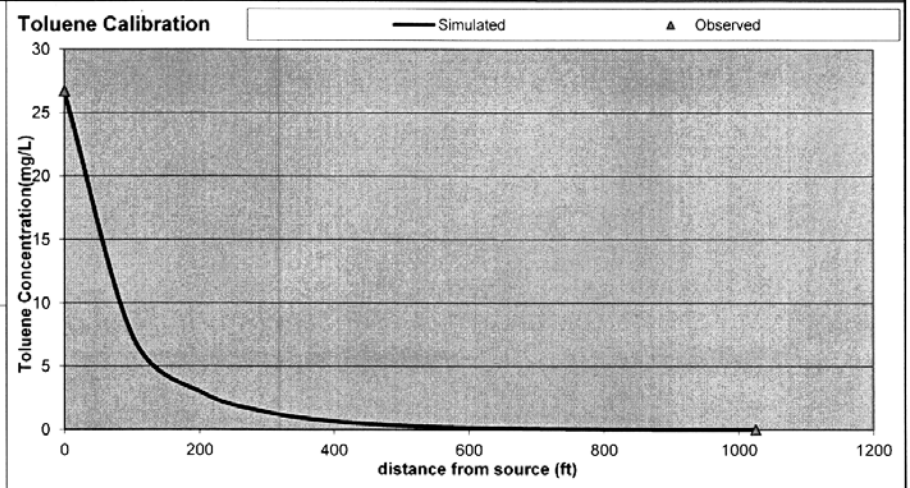
Site Name Corner Stop 28

Model Calibration Parameters

$t_{1/2}$	3	yrs	λ	0.231	yr^{-1}
v_x	40	ft/yr			
R	1.170				
v_R	34.181	ft/yr	C_{source}	26.7	mg/L
L_p	1025	ft			
α_x	24.741	ft	t_{sim}	23	yrs
α_y	2.4741	ft			
α_z	1E-99	ft			







Source	102.5	205	307.5	410	512.5	615	717.5	820	922.5	1025
0	7.21521204	2.88767521	1.30355005	0.61995881	0.30274921	0.1489655	0.072071	0.033119	0.013866	0.005076
0	7.21521204	2.88767521	1.30355005	0.61995881	0.30274921	0.1489655	0.072071	0.033119	0.013866	0.005076
0	7.21521204	2.88767521	1.30355005	0.61995881	0.30274921	0.1489655	0.072071	0.033119	0.013866	0.005076
0	7.21521204	2.88767521	1.30355005	0.61995881	0.30274921	0.1489655	0.072071	0.033119	0.013866	0.005076
0	7.21521204	2.88767521	1.30355005	0.61995881	0.30274921	0.1489655	0.072071	0.033119	0.013866	0.005076

Ethylbenzene Calibration

Spatial Calibration Data

(centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	3.11	3.11
102.5		1.127
205		0.604
307.5		0.365
410		0.231
512.5		0.148
615		0.093
717.5		0.054
820		0.028
922.5		0.013
1025	0.005	0.005

Temporal Calibration Data

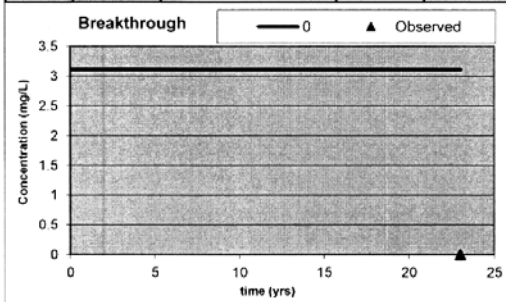
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		3.11		3.11
2.3		3.110		3.110
4.6		3.110		3.110
6.9		3.110		3.110
9.2		3.110		3.110
11.5		3.110		3.110
13.8		3.110		3.110
16.1		3.110		3.110
18.4		3.110		3.110
20.7		3.110		3.110
23	0.0011	3.110		3.110

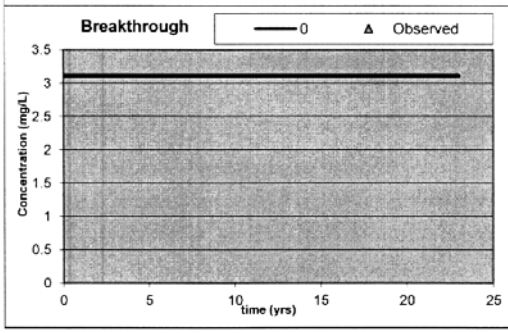
Site ID 05659

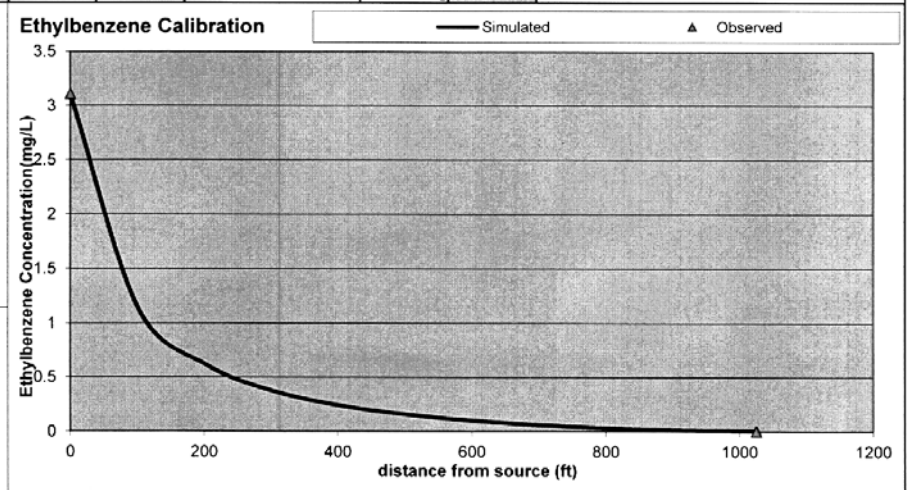
Site Name Corner Stop 28

Model Calibration Parameters

$t_{1/2}$	6.5	yrs	λ	0.10662	yr^{-1}
v_x	40	ft/yr			
R	1.225				
v_R	32.646	ft/yr	C_{source}	3.11	mg/L
L_p	1025	ft			
α_x	24.741	ft	t_{sim}	23	yrs
α_y	2.4741	ft			
α_z	1E-99	ft			







Source	102.5	205	307.5	410	512.5	615	717.5	820	922.5	1025
0	1.12667113	0.60436471	0.36521194	0.23135736	0.14829458	0.0927847	0.054248	0.028284	0.012605	0.004643
0	1.12667113	0.60436471	0.36521194	0.23135736	0.14829458	0.0927847	0.054248	0.028284	0.012605	0.004643
0	1.12667113	0.60436471	0.36521194	0.23135736	0.14829458	0.0927847	0.054248	0.028284	0.012605	0.004643
0	1.12667113	0.60436471	0.36521194	0.23135736	0.14829458	0.0927847	0.054248	0.028284	0.012605	0.004643
0	1.12667113	0.60436471	0.36521194	0.23135736	0.14829458	0.0927847	0.054248	0.028284	0.012605	0.004643

Xylenes Calibration

Spatial Calibration Data

(centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	17.2	17.2
102.5		6.288
205		3.383
307.5		1.999
410		1.155
512.5		0.594
615		0.249
717.5		0.080
820		0.019
922.5		0.003
1025	0.005	0.000

Temporal Calibration Data

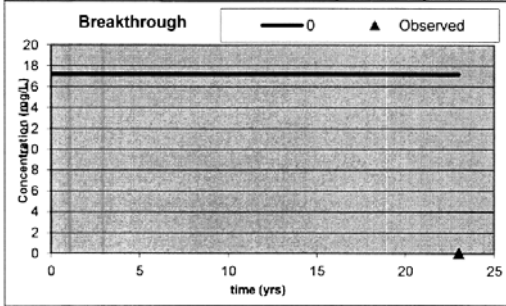
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		17.2		17.2
2.3		17.200		17.200
4.6		17.200		17.200
6.9		17.200		17.200
9.2		17.200		17.200
11.5		17.200		17.200
13.8		17.200		17.200
16.1		17.200		17.200
18.4		17.200		17.200
20.7		17.200		17.200
23	0.0188	17.200		17.200

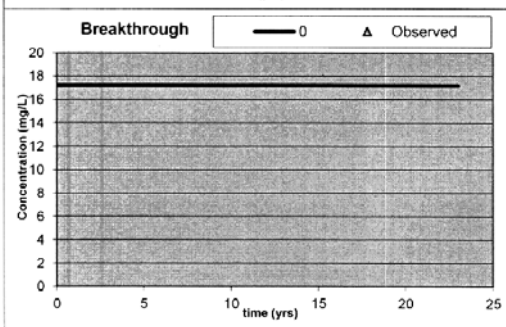
Site ID 05659

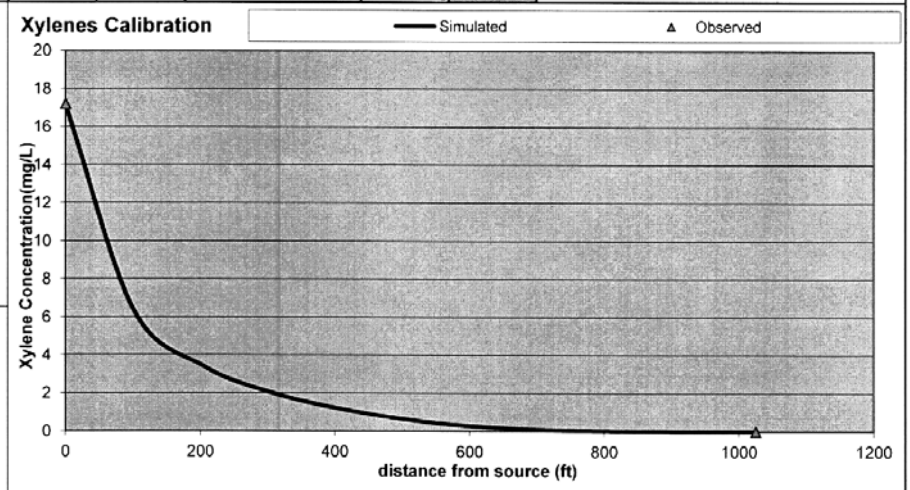
Site Name Corner Stop 28

Model Calibration Parameters

$t_{1/2}$	10	yrs	λ	0.0693	yr^{-1}
v_x	40	ft/yr			
R	1.818				
v_R	22.003	ft/yr	C_{source}	17.2	mg/L
L_p	1025	ft			
α_x	24.741	ft	t_{sim}	23	yrs
α_y	2.4741	ft			
α_z	1E-99	ft			







Source	102.5	205	307.5	410	512.5	615	717.5	820	922.5	1025
0	6.28831233	3.38310758	1.99853993	1.15525349	0.59413582	0.2492841	0.079738	0.018552	0.003045	0.000345
0	6.28831233	3.38310758	1.99853993	1.15525349	0.59413582	0.2492841	0.079738	0.018552	0.003045	0.000345
0	6.28831233	3.38310758	1.99853993	1.15525349	0.59413582	0.2492841	0.079738	0.018552	0.003045	0.000345
0	6.28831233	3.38310758	1.99853993	1.15525349	0.59413582	0.2492841	0.079738	0.018552	0.003045	0.000345
0	6.28831233	3.38310758	1.99853993	1.15525349	0.59413582	0.2492841	0.079738	0.018552	0.003045	0.000345

MtBE Calibration

Spatial Calibration Data

(centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	7.76	7.76
102.5		2.290
205		1.001
307.5		0.493
410		0.256
512.5		0.137
615		0.074
717.5		0.040
820		0.022
922.5		0.011
1025	0.005	0.005

Temporal Calibration Data

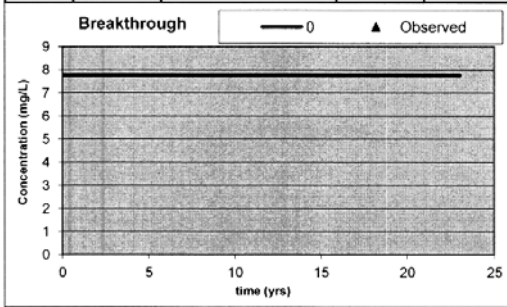
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		7.76		7.76
2.3		7.760		7.760
4.6		7.760		7.760
6.9		7.760		7.760
9.2		7.760		7.760
11.5		7.760		7.760
13.8		7.760		7.760
16.1		7.760		7.760
18.4		7.760		7.760
20.7		7.760		7.760
23		7.760		7.760

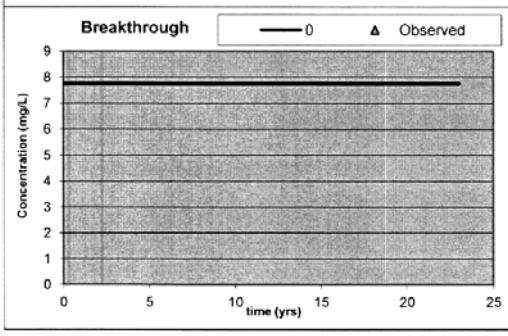
Site ID 05659

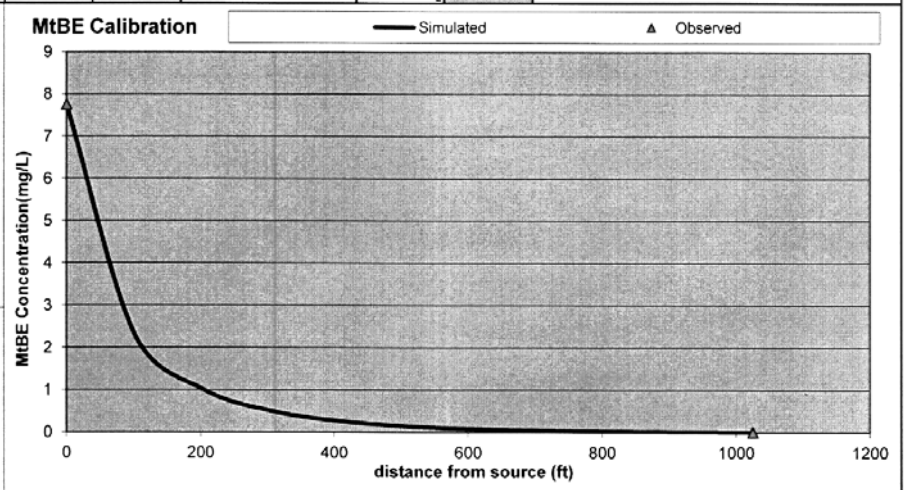
Site Name Corner Stop 28

Model Calibration Parameters

$t_{1/2}$	3.1	yrs	λ	0.22355	yr^{-1}
v_x	40	ft/yr			
R	1.014				
v_R	39.445	ft/yr	C_{source}	7.76	mg/L
L_p	1025	ft			
α_x	24.741	ft	t_{sim}	23	yrs
α_y	2.4741	ft			
α_z	1E-99	ft			







Source	102.5	205	307.5	410	512.5	615	717.5	820	922.5	1025
0	2.28988809	1.00076741	0.49336844	0.25638673	0.13712286	0.0744482	0.040462	0.021573	0.010969	0.005144
0	2.28988809	1.00076741	0.49336844	0.25638673	0.13712286	0.0744482	0.040462	0.021573	0.010969	0.005144
0	2.28988809	1.00076741	0.49336844	0.25638673	0.13712286	0.0744482	0.040462	0.021573	0.010969	0.005144
0	2.28988809	1.00076741	0.49336844	0.25638673	0.13712286	0.0744482	0.040462	0.021573	0.010969	0.005144
0	2.28988809	1.00076741	0.49336844	0.25638673	0.13712286	0.0744482	0.040462	0.021573	0.010969	0.005144

Naphthalene Calibration

Spatial Calibration Data

(centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	0.562	0.562
102.5		0.171
205		0.073
307.5		0.029
410		0.009
512.5		0.002
615		0.000
717.5		0.000
820		0.000
922.5		0.000
1025	0.005	0.000

Temporal Calibration Data

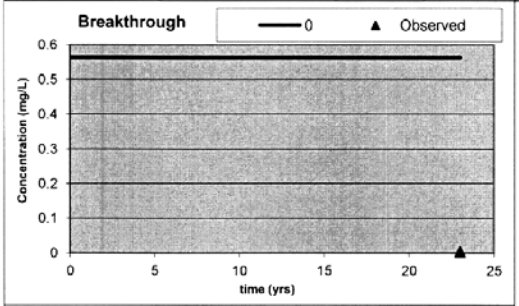
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		0.562		0.562
2.3		0.562		0.562
4.6		0.562		0.562
6.9		0.562		0.562
9.2		0.562		0.562
11.5		0.562		0.562
13.8		0.562		0.562
16.1		0.562		0.562
18.4		0.562		0.562
20.7		0.562		0.562
23	0.0033	0.562		0.562

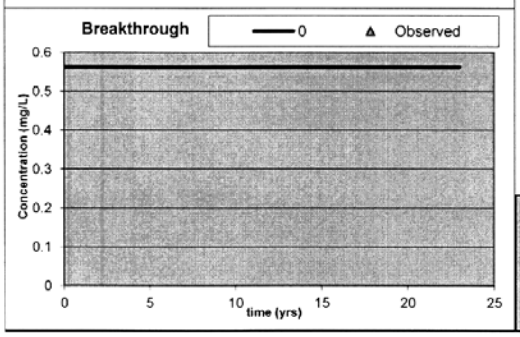
Site ID 05659

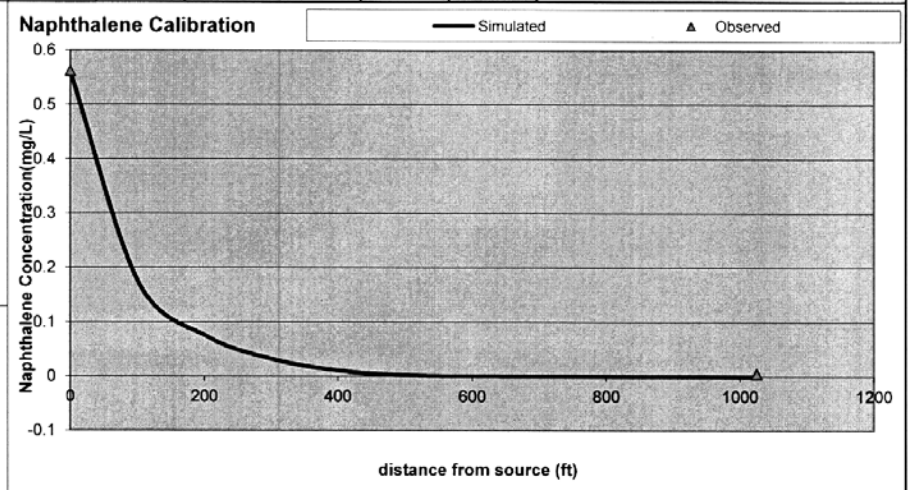
Site Name Corner Stop 28

Model Calibration Parameters

$t_{1/2}$	10	yrs	λ	0.0693	yr^{-1}
v_x	40	ft/yr			
R	2.975				
v_R	13.445	ft/yr	C_{source}	0.562	mg/L
L_p	1025	ft			
α_x	24.741	ft	t_{sim}	23	yrs
α_y	2.4741	ft			
α_z	1E-99	ft			







Source	102.5	205	307.5	410	512.5	615	717.5	820	922.5	1025
0	0.17087932	0.07270176	0.02926716	0.00889749	0.00174746	0.0002013	1.29E-05	4.42E-07	8.02E-09	7.56E-11
0	0.17087932	0.07270176	0.02926716	0.00889749	0.00174746	0.0002013	1.29E-05	4.42E-07	8.02E-09	7.56E-11
0	0.17087932	0.07270176	0.02926716	0.00889749	0.00174746	0.0002013	1.29E-05	4.42E-07	8.02E-09	7.56E-11
0	0.17087932	0.07270176	0.02926716	0.00889749	0.00174746	0.0002013	1.29E-05	4.42E-07	8.02E-09	7.56E-11
0	0.17087932	0.07270176	0.02926716	0.00889749	0.00174746	0.0002013	1.29E-05	4.42E-07	8.02E-09	7.56E-11

EDB Calibration

Site ID 05659

Site Name Corner Stop 28

Spatial Calibration Data

(centerline)

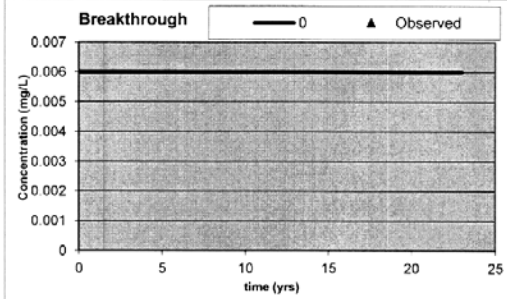
x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	0.006	0.00600
102.5		0.00211
205		0.00110
307.5		0.00065
410		0.00040
512.5		0.00026
615		0.00016
717.5		0.00010
820		0.00006
922.5		0.00003
1025	0.000019	0.00002

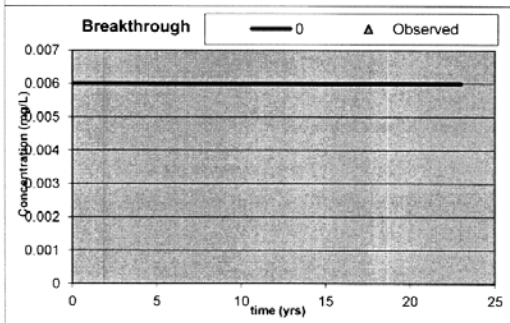
Temporal Calibration Data

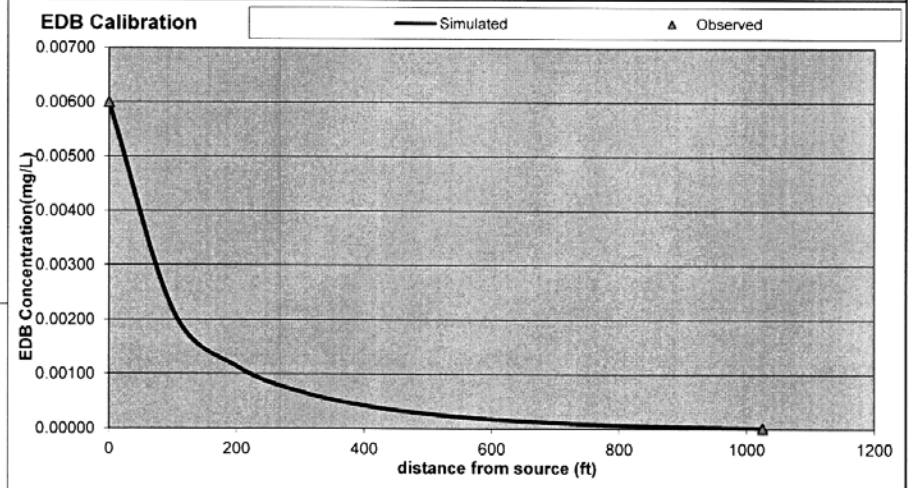
t (yrs)	0 C_{obs} (mg/L)	0 C_{sim} (mg/L)	0 C_{obs} (mg/L)	0 C_{sim} (mg/L)
0		0.00600		0.00600
2.3		0.00600		0.00600
4.6		0.00600		0.00600
6.9		0.00600		0.00600
9.2		0.00600		0.00600
11.5		0.00600		0.00600
13.8		0.00600		0.00600
16.1		0.00600		0.00600
18.4		0.00600		0.00600
20.7		0.00600		0.00600
23		0.00600		0.00600

Model Calibration Parameters

$t_{1/2}$	5	yrs	λ	0.1386	yr^{-1}
v_x	40	ft/yr			
R	1.036				
v_R	38.616	ft/yr	C_{source}	0.006	mg/L
L_p	1025	ft			
α_x	24.741	ft	t_{sim}	23	yrs
α_y	2.4741	ft			
α_z	1E-99	ft			







Source	102.5	205	307.5	410	512.5	615	717.5	820	922.5	1025
0	0.00211235	0.00110137	0.00064767	0.00040118	0.00025506	0.0001634	0.000103	6.23E-05	3.47E-05	1.73E-05
0	0.00211235	0.00110137	0.00064767	0.00040118	0.00025506	0.0001634	0.000103	6.23E-05	3.47E-05	1.73E-05
0	0.00211235	0.00110137	0.00064767	0.00040118	0.00025506	0.0001634	0.000103	6.23E-05	3.47E-05	1.73E-05
0	0.00211235	0.00110137	0.00064767	0.00040118	0.00025506	0.0001634	0.000103	6.23E-05	3.47E-05	1.73E-05
0	0.00211235	0.00110137	0.00064767	0.00040118	0.00025506	0.0001634	0.000103	6.23E-05	3.47E-05	1.73E-05

SSTLs t 1000 yrs

UST Permit # 05659
Site Name: Corner Stop 28

SSTLs in mg/L			RBSLs (mg/L):	0.005	1.000	0.700	10.000	0.040	0.025	0.00005	
MW #	x (ft)	y (ft)	z (ft)	Benzene SSTL	Toluene SSTL	Ethylbenzene SSTL	Xylenes SSTL	MtBE SSTL	Naphthalene SSTL	EDB SSTL	
MW-1	932	0	0	0.759	1394.916	67.922	882.878	25.069	10.651	0.00629	
MW-2	964	0	0	0.864	1712.867	76.109	986.100	29.949	12.557	0.00712	
MW-3	966	0	0	0.871	1734.959	76.651	992.920	30.283	12.687	0.00717	
MW-5	965	0	0	0.867	1723.878	76.380	989.504	30.116	12.622	0.00714	
MW-7	860	0	0	0.566	876.940	52.464	686.944	16.765	7.339	0.00477	
MW-11	858	0	0	0.562	865.666	52.087	682.141	16.578	7.263	0.00473	
MW-15R	825	0	0	0.491	698.978	46.220	607.336	13.770	6.116	0.00416	
MW-16	800	0	0	0.443	594.118	42.198	555.892	11.958	5.366	0.00377	
MW-17	932	0	0	0.759	1394.916	67.922	882.878	25.069	10.651	0.00629	
MW-18	860	0	0	0.566	876.940	52.464	686.944	16.765	7.339	0.00477	
MW-19R	830	0	0	0.501	722.034	47.067	618.149	14.164	6.277	0.00424	
MW-21	810	0	0	0.461	634.063	43.765	575.957	12.653	5.655	0.00392	
MW-22	805	0	0	0.452	613.771	42.975	565.841	12.301	5.509	0.00384	
MW-26	965	0	0	0.867	1723.878	76.380	989.504	30.116	12.622	0.00714	
MW-28	742	0	0	0.348	406.718	34.100	451.862	8.604	3.955	0.00300	
MW-33	680	0	0	0.268	270.363	27.066	360.908	6.032	2.845	0.00234	
MW-34	699	0	0	0.290	306.524	29.063	386.794	6.729	3.148	0.00252	
MW-44	532	0	0	0.141	100.210	15.318	207.349	2.539	1.273	0.00127	
MW-50	332	0	0	0.056	24.543	6.647	91.822	0.738	0.402	0.00052	
MW-51	275	0	0	0.042	16.034	5.112	71.019	0.507	0.282	0.00039	
			λ (yr^{-1}):	0.139	0.231	0.107	0.069	0.224	0.069	0.139	
			R:	1.104	1.170	1.225	1.818	1.014	2.975	1.036	
			Pure Substance Solubility:	1750	526	169	175	5110	31	4321	
			Effective Solubility:	44.39	26.54	3.7	21.68	173	6.7	1.9	

Domenico Model

UST # 05659
Site Name: Corner Stop 28
Modeler: John Bryant
Date: 6/17/2014

Groundwater Flow Parameters

K		ft/yr
dh/dx		
θ	0.25	dec. %
v_x	40	ft/yr

Transport Parameters

x_{max}	1025	ft
y_{max}	0	ft
z	0	ft
Source Width	30	ft
Source Thickness	15	ft
Plume Length	1025	ft
α_x	24.741	ft
α_y	2.4741	ft
α_z	1.00E-99	ft

Simulation Time

t_{sim}	23	yrs

Aquifer Characteristics

ρ_d	1.6	kg/L
f_{oc}	0.0002	

Source Area CoC Data

CoC	C_{source} (mg/L)	K_{oc} (L/kg)
Benzene	2.8	81
Toluene	26.7	133
Ethylbenzene	3.11	176
Xylenes	17.2	639
Naphthalene	0.562	1543
MtBE	7.76	11
EDB	0.006	28
1,2-DCA		17.5

Retarded Velocity (ft/yr)

CoC	R	v_R
Benzene	1.104	36.24
Toluene	1.170	34.18
Ethylbenzene	1.225	32.65
Xylenes	1.818	22.00
Naphthalene	2.975	13.45
MtBE	1.014	39.44
EDB	1.036	38.62
1,2-DCA	1.022	39.12

Simulation Points for Breakthrough Curves

x	0	ft
y	0	ft
z	0	ft

x	0	ft
y	0	ft
z	0	ft

$$C(x,y,z,t)=\left(\frac{C_0}{8}\right)\exp\left[\left(\frac{x}{2\alpha_x}\right)\left(1-\sqrt{1+\frac{4\lambda\alpha_x}{v}}\right)\right]erfc\left[\frac{x-vt\sqrt{1+\frac{4\lambda\alpha_x}{v}}}{2\sqrt{\alpha_x vt}}\right]\left\{erf\left[\frac{y+\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]-erf\left[\frac{y-\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]\right\}\left\{erf\left[\frac{z+Z}{2\sqrt{\alpha_z x}}\right]-erf\left[\frac{z-Z}{2\sqrt{\alpha_z x}}\right]\right\}$$

Benzene Calibration

Spatial Calibration Data

(centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	2.8	2.8
102.5		0.966
205		0.493
307.5		0.284
410		0.172
512.5		0.107
615		0.066
717.5		0.040
820		0.023
922.5		0.012
1025	0.005	0.005

Temporal Calibration Data

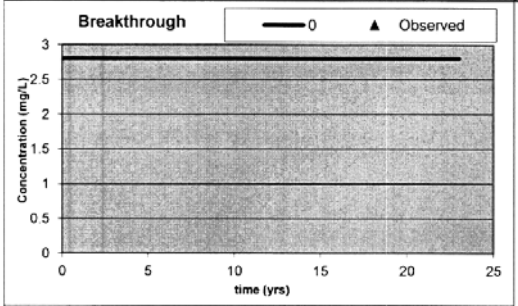
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		2.8		2.8
2.3		2.800		2.800
4.6		2.800		2.800
6.9		2.800		2.800
9.2		2.800		2.800
11.5		2.800		2.800
13.8		2.800		2.800
16.1		2.800		2.800
18.4		2.800		2.800
20.7		2.800		2.800
23		2.800		2.800

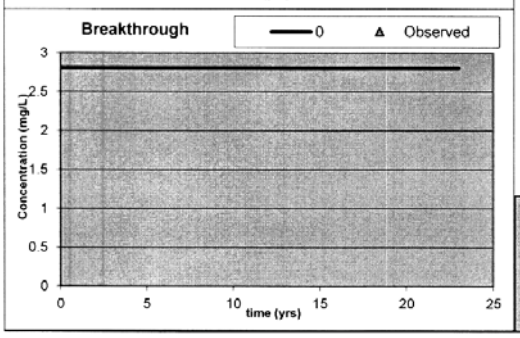
Site ID 05659

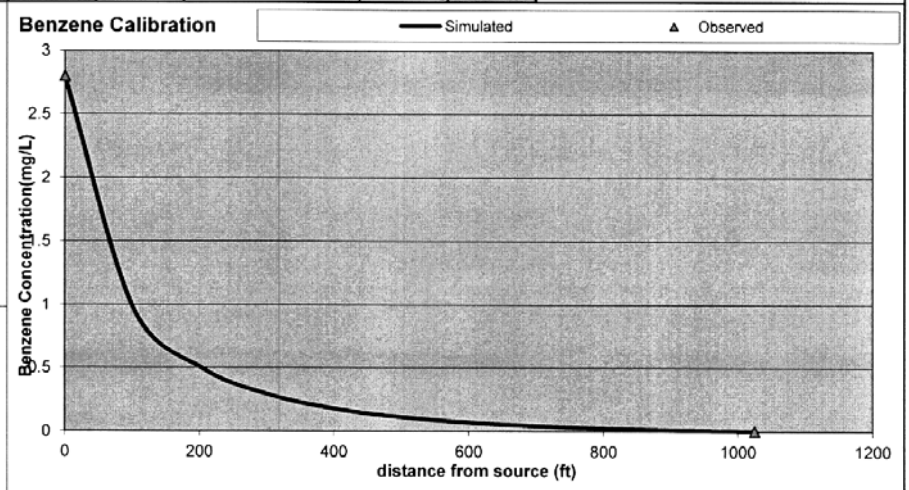
Site Name Corner Stop 28

Model Calibration Parameters

$t_{1/2}$	5	yrs	λ	0.1386	yr^{-1}
v_x	40	ft/yr			
R	1.104				
v_R	36.242	ft/yr	C_{source}	2.8	mg/L
L_p	1025	ft			
α_x	24.741	ft	t_{sim}	23	yrs
α_y	2.4741	ft			
α_z	1E-99	ft			







Source	102.5	205	307.5	410	512.5	615	717.5	820	922.5	1025
0	0.96565003	0.49320403	0.28406619	0.17221446	0.10689648	0.0664264	0.040166	0.022793	0.01167	0.005199
0	0.96565003	0.49320403	0.28406619	0.17221446	0.10689648	0.0664264	0.040166	0.022793	0.01167	0.005199
0	0.96565003	0.49320403	0.28406619	0.17221446	0.10689648	0.0664264	0.040166	0.022793	0.01167	0.005199
0	0.96565003	0.49320403	0.28406619	0.17221446	0.10689648	0.0664264	0.040166	0.022793	0.01167	0.005199
0	0.96565003	0.49320403	0.28406619	0.17221446	0.10689648	0.0664264	0.040166	0.022793	0.01167	0.005199

Toluene Calibration

Spatial Calibration Data

(centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	26.7	26.7
102.5		7.215
205		2.888
307.5		1.304
410		0.620
512.5		0.303
615		0.149
717.5		0.072
820		0.033
922.5		0.014
1025	0.005	0.005

Temporal Calibration Data

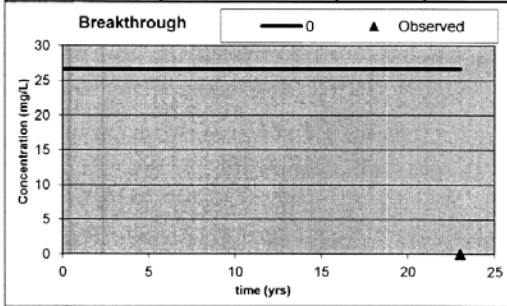
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		26.7		26.7
2.3		26.700		26.700
4.6		26.700		26.700
6.9		26.700		26.700
9.2		26.700		26.700
11.5		26.700		26.700
13.8		26.700		26.700
16.1		26.700		26.700
18.4		26.700		26.700
20.7		26.700		26.700
23	0.005	26.700		26.700

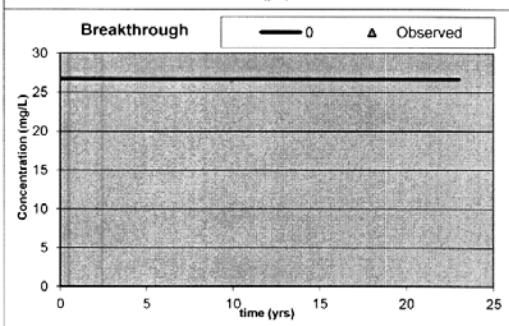
Site ID 05659

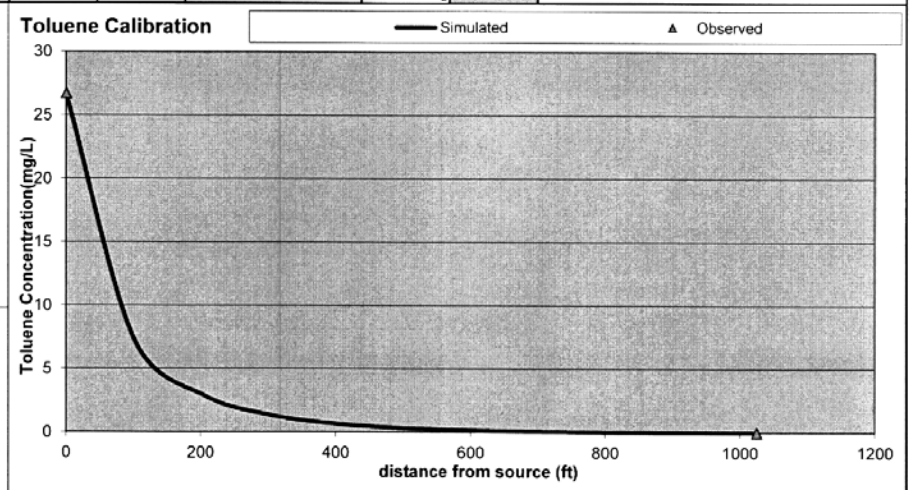
Site Name Corner Stop 28

Model Calibration Parameters

$t_{1/2}$	3	yrs	λ	0.231	yr^{-1}
v_x	40	ft/yr			
R	1.170				
v_R	34.181	ft/yr	C_{source}	26.7	mg/L
L_p	1025	ft			
α_x	24.741	ft	t_{sim}	23	yrs
α_y	2.4741	ft			
α_z	1E-99	ft			







Source	102.5	205	307.5	410	512.5	615	717.5	820	922.5	1025
0	7.21521204	2.88767521	1.30355005	0.61995881	0.30274921	0.1489655	0.072071	0.033119	0.013866	0.005076
0	7.21521204	2.88767521	1.30355005	0.61995881	0.30274921	0.1489655	0.072071	0.033119	0.013866	0.005076
0	7.21521204	2.88767521	1.30355005	0.61995881	0.30274921	0.1489655	0.072071	0.033119	0.013866	0.005076
0	7.21521204	2.88767521	1.30355005	0.61995881	0.30274921	0.1489655	0.072071	0.033119	0.013866	0.005076
0	7.21521204	2.88767521	1.30355005	0.61995881	0.30274921	0.1489655	0.072071	0.033119	0.013866	0.005076

Ethylbenzene Calibration

Spatial Calibration Data

(centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	3.11	3.11
102.5		1.127
205		0.604
307.5		0.365
410		0.231
512.5		0.148
615		0.093
717.5		0.054
820		0.028
922.5		0.013
1025	0.005	0.005

Temporal Calibration Data

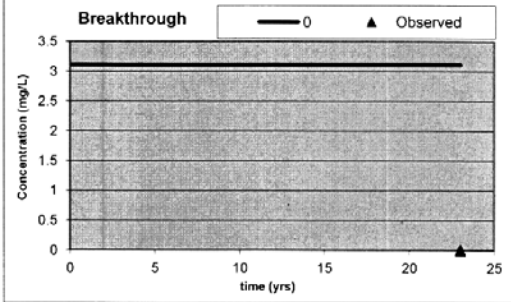
	0		0		
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		3.11		3.11
2.3		3.110		3.110
4.6		3.110		3.110
6.9		3.110		3.110
9.2		3.110		3.110
11.5		3.110		3.110
13.8		3.110		3.110
16.1		3.110		3.110
18.4		3.110		3.110
20.7		3.110		3.110
23	0.0011	3.110		3.110

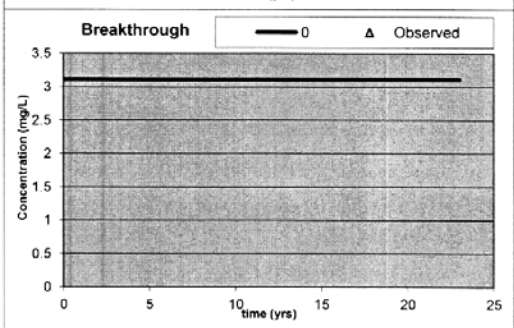
Site ID 05659

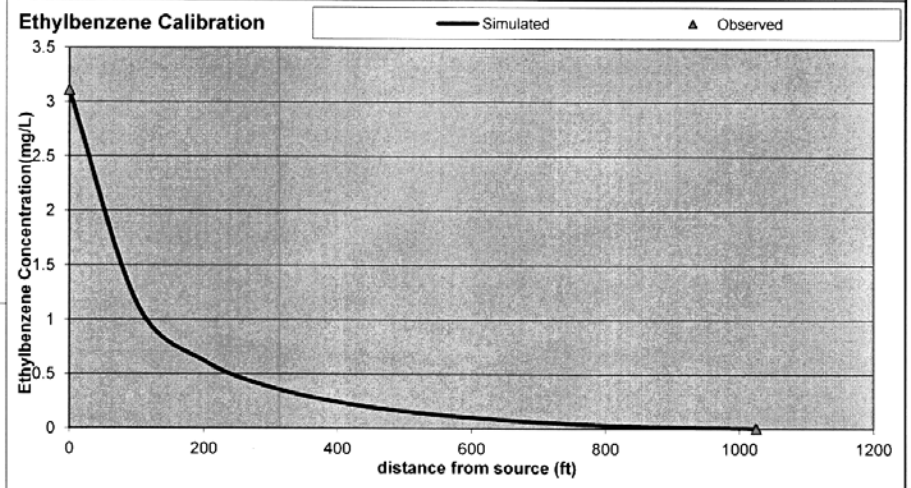
Site Name Corner Stop 28

Model Calibration Parameters

$t_{1/2}$	6.5	yrs	λ	0.10662	yr^{-1}
v_x	40	ft/yr			
R	1.225				
v_R	32.646	ft/yr	C_{source}	3.11	mg/L
L_p	1025	ft			
α_x	24.741	ft	t_{sim}	23	yrs
α_y	2.4741	ft			
α_z	1E-99	ft			







Source	102.5	205	307.5	410	512.5	615	717.5	820	922.5	1025
0	1.12667113	0.60436471	0.36521194	0.23135736	0.14829458	0.0927847	0.054248	0.028284	0.012605	0.004643
0	1.12667113	0.60436471	0.36521194	0.23135736	0.14829458	0.0927847	0.054248	0.028284	0.012605	0.004643
0	1.12667113	0.60436471	0.36521194	0.23135736	0.14829458	0.0927847	0.054248	0.028284	0.012605	0.004643
0	1.12667113	0.60436471	0.36521194	0.23135736	0.14829458	0.0927847	0.054248	0.028284	0.012605	0.004643
0	1.12667113	0.60436471	0.36521194	0.23135736	0.14829458	0.0927847	0.054248	0.028284	0.012605	0.004643

Xylenes Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	17.2	17.2
102.5		6.288
205		3.383
307.5		1.999
410		1.155
512.5		0.594
615		0.249
717.5		0.080
820		0.019
922.5		0.003
1025	0.005	0.000

Temporal Calibration Data

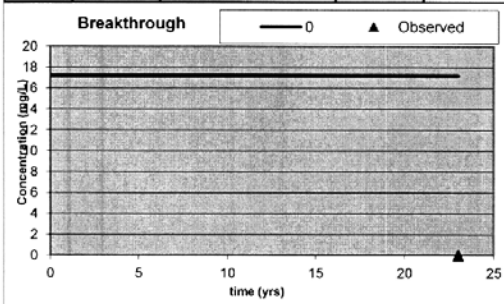
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		17.2		17.2
2.3		17.200		17.200
4.6		17.200		17.200
6.9		17.200		17.200
9.2		17.200		17.200
11.5		17.200		17.200
13.8		17.200		17.200
16.1		17.200		17.200
18.4		17.200		17.200
20.7		17.200		17.200
23	0.0188	17.200		17.200

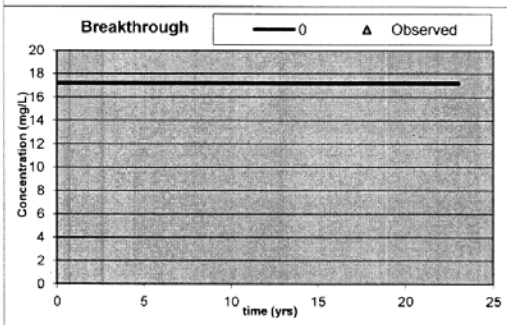
Site ID 05659

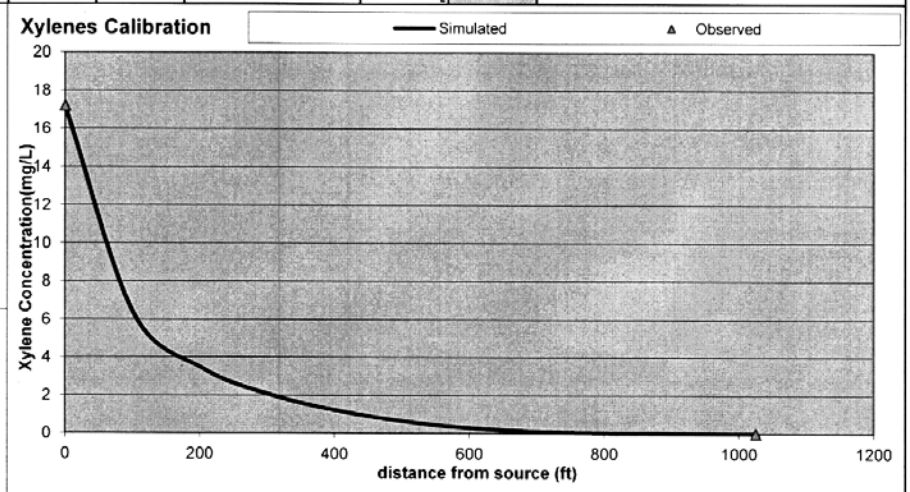
Site Name Corner Stop 28

Model Calibration Parameters

$t_{1/2}$	10	yrs	λ	0.0693	yr^{-1}
v_x	40	ft/yr			
R	1.818				
v_R	22.003	ft/yr	C_{source}	17.2	mg/L
L_p	1025	ft			
α_x	24.741	ft	t_{sim}	23	yrs
α_y	2.4741	ft			
α_z	1E-99	ft			







Source	102.5	205	307.5	410	512.5	615	717.5	820	922.5	1025
0	6.28831233	3.38310758	1.99853993	1.15525349	0.59413582	0.2492841	0.079738	0.018552	0.003045	0.000345
0	6.28831233	3.38310758	1.99853993	1.15525349	0.59413582	0.2492841	0.079738	0.018552	0.003045	0.000345
0	6.28831233	3.38310758	1.99853993	1.15525349	0.59413582	0.2492841	0.079738	0.018552	0.003045	0.000345
0	6.28831233	3.38310758	1.99853993	1.15525349	0.59413582	0.2492841	0.079738	0.018552	0.003045	0.000345
0	6.28831233	3.38310758	1.99853993	1.15525349	0.59413582	0.2492841	0.079738	0.018552	0.003045	0.000345

MtBE Calibration

Spatial Calibration Data

(centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	7.76	7.76
102.5		2.290
205		1.001
307.5		0.493
410		0.256
512.5		0.137
615		0.074
717.5		0.040
820		0.022
922.5		0.011
1025	0.005	0.005

Temporal Calibration Data

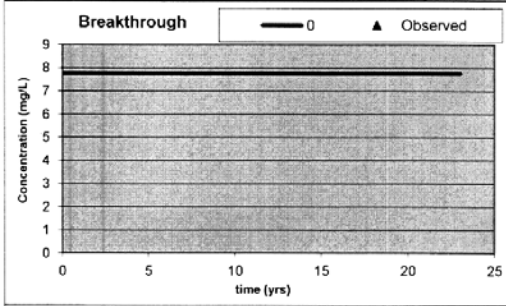
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
	0		0	
0		7.76		7.76
2.3		7.760		7.760
4.6		7.760		7.760
6.9		7.760		7.760
9.2		7.760		7.760
11.5		7.760		7.760
13.8		7.760		7.760
16.1		7.760		7.760
18.4		7.760		7.760
20.7		7.760		7.760
23		7.760		7.760

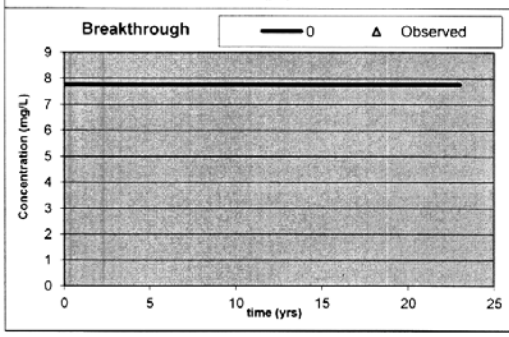
Site ID 05659

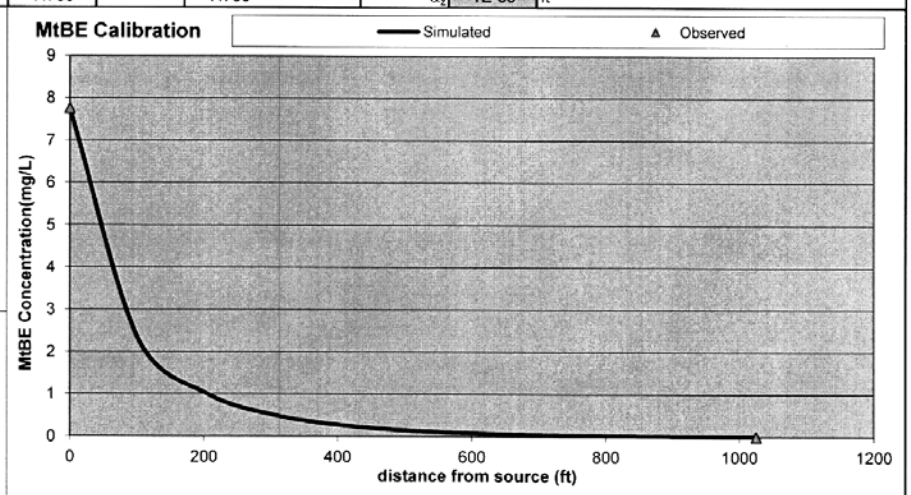
Site Name Corner Stop 28

Model Calibration Parameters

$t_{1/2}$	3.1	yrs	λ	0.22355	yr^{-1}
v_x	40	ft/yr			
R	1.014				
v_R	39.445	ft/yr	C_{source}	7.76	mg/L
L_p	1025	ft			
α_x	24.741	ft	t_{sim}	23	yrs
α_y	2.4741	ft			
α_z	1E-99	ft			







Source	102.5	205	307.5	410	512.5	615	717.5	820	922.5	1025
0	2.28988809	1.00076741	0.49336844	0.25638673	0.13712286	0.0744482	0.040462	0.021573	0.010969	0.005144
0	2.28988809	1.00076741	0.49336844	0.25638673	0.13712286	0.0744482	0.040462	0.021573	0.010969	0.005144
0	2.28988809	1.00076741	0.49336844	0.25638673	0.13712286	0.0744482	0.040462	0.021573	0.010969	0.005144
0	2.28988809	1.00076741	0.49336844	0.25638673	0.13712286	0.0744482	0.040462	0.021573	0.010969	0.005144
0	2.28988809	1.00076741	0.49336844	0.25638673	0.13712286	0.0744482	0.040462	0.021573	0.010969	0.005144

Naphthalene Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	0.562	0.562
102.5		0.171
205		0.073
307.5		0.029
410		0.009
512.5		0.002
615		0.000
717.5		0.000
820		0.000
922.5		0.000
1025	0.005	0.000

Temporal Calibration Data

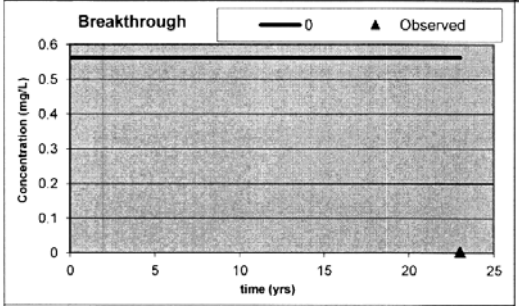
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		0.562		0.562
2.3		0.562		0.562
4.6		0.562		0.562
6.9		0.562		0.562
9.2		0.562		0.562
11.5		0.562		0.562
13.8		0.562		0.562
16.1		0.562		0.562
18.4		0.562		0.562
20.7		0.562		0.562
23	0.0033	0.562		0.562

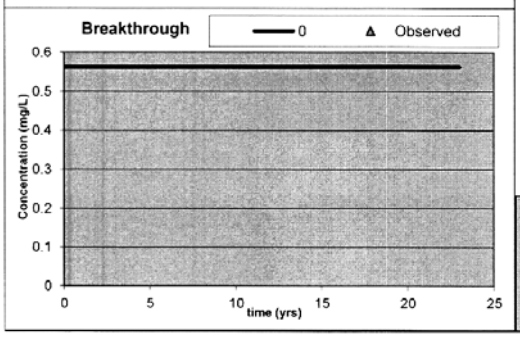
Site ID 05659

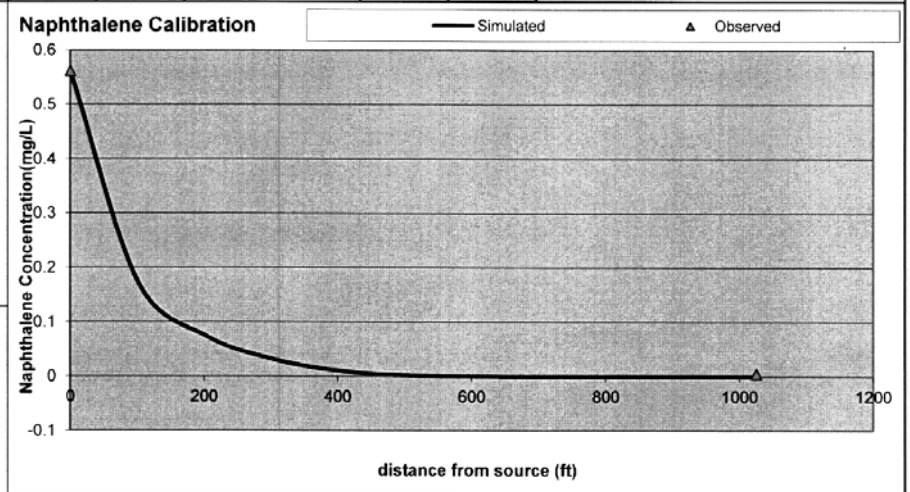
Site Name Corner Stop 28

Model Calibration Parameters

$t_{1/2}$	10	yrs	λ	0.0693	yr^{-1}
v_x	40	ft/yr			
R	2.975				
v_R	13.445	ft/yr	C_{source}	0.562	mg/L
L_p	1025	ft			
α_x	24.741	ft	t_{sim}	23	yrs
α_y	2.4741	ft			
α_z	1E-99	ft			







Source	102.5	205	307.5	410	512.5	615	717.5	820	922.5	1025
0	0.17087932	0.07270176	0.02926716	0.00889749	0.00174746	0.0002013	1.29E-05	4.42E-07	8.02E-09	7.56E-11
0	0.17087932	0.07270176	0.02926716	0.00889749	0.00174746	0.0002013	1.29E-05	4.42E-07	8.02E-09	7.56E-11
0	0.17087932	0.07270176	0.02926716	0.00889749	0.00174746	0.0002013	1.29E-05	4.42E-07	8.02E-09	7.56E-11
0	0.17087932	0.07270176	0.02926716	0.00889749	0.00174746	0.0002013	1.29E-05	4.42E-07	8.02E-09	7.56E-11
0	0.17087932	0.07270176	0.02926716	0.00889749	0.00174746	0.0002013	1.29E-05	4.42E-07	8.02E-09	7.56E-11

EDB Calibration

Site ID 05659

Site Name Corner Stop 28

Spatial Calibration Data

(centerline)

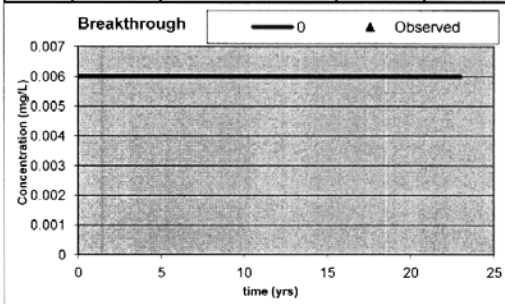
x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	0.006	0.00600
102.5		0.00211
205		0.00110
307.5		0.00065
410		0.00040
512.5		0.00026
615		0.00016
717.5		0.00010
820		0.00006
922.5		0.00003
1025	0.000019	0.00002

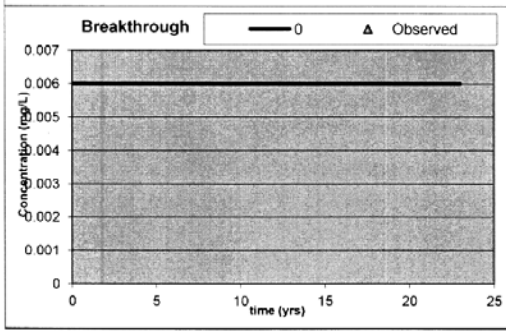
Temporal Calibration Data

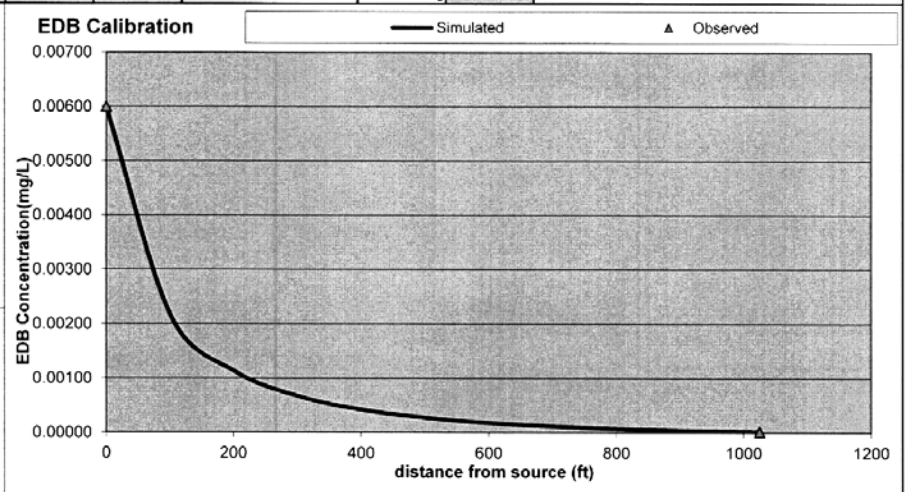
t (yrs)	0 C_{obs} (mg/L)	0 C_{sim} (mg/L)	0 C_{obs} (mg/L)	0 C_{sim} (mg/L)
0		0.00600		0.00600
2.3		0.00600		0.00600
4.6		0.00600		0.00600
6.9		0.00600		0.00600
9.2		0.00600		0.00600
11.5		0.00600		0.00600
13.8		0.00600		0.00600
16.1		0.00600		0.00600
18.4		0.00600		0.00600
20.7		0.00600		0.00600
23		0.00600		0.00600

Model Calibration Parameters

$t_{1/2}$	5	yrs	λ	0.1386	yr^{-1}
v_x	40	ft/yr			
R	1.036				
v_R	38.616	ft/yr	C_{source}	0.006	mg/L
L_p	1025	ft			
α_x	24.741	ft	t_{sim}	23	yrs
α_y	2.4741	ft			
α_z	1E-99	ft			







Source	102.5	205	307.5	410	512.5	615	717.5	820	922.5	1025
0	0.00211235	0.00110137	0.00064767	0.00040118	0.00025506	0.0001634	0.000103	6.23E-05	3.47E-05	1.73E-05
0	0.00211235	0.00110137	0.00064767	0.00040118	0.00025506	0.0001634	0.000103	6.23E-05	3.47E-05	1.73E-05
0	0.00211235	0.00110137	0.00064767	0.00040118	0.00025506	0.0001634	0.000103	6.23E-05	3.47E-05	1.73E-05
0	0.00211235	0.00110137	0.00064767	0.00040118	0.00025506	0.0001634	0.000103	6.23E-05	3.47E-05	1.73E-05
0	0.00211235	0.00110137	0.00064767	0.00040118	0.00025506	0.0001634	0.000103	6.23E-05	3.47E-05	1.73E-05

SSTLs t 1000 yrs

UST Permit # 05659
Site Name: Corner Stop 28

SSTLs in mg/L			RBSLs (mg/L):	0.005	1.000	0.700	10.000	0.040	0.025	0.00005	
MW #	x (ft)	y (ft)	z (ft)	Benzene SSTL	Toluene SSTL	Ethylbenzene SSTL	Xylenes SSTL	MtBE SSTL	Naphthalene SSTL	EDB SSTL	
MW-53	200	0	0	0.028	8.875	3.506	49.086	0.299	0.172	0.00026	
TW-3	825	0	0	0.491	698.978	46.220	607.336	13.770	6.116	0.00416	
			λ (yr^{-1}):	0.139	0.231	0.107	0.069	0.224	0.069	0.139	
			R:	1.104	1.170	1.225	1.818	1.014	2.975	1.036	
			Pure Substance Solubility:	1750	526	169	175	5110	31	4321	
			Effective Solubility:	44.39	26.54	3.7	21.68	173	6.7	1.9	

Domenico Model (Oxygenates)

UST # 05659
Site Name: Corner Stop 28
Modeler: John Bryant
Date: 6/17/2014

Groundwater Flow Parameters

K		ft/yr
dh/dx		
θ	0.25	dec. %
v_x	40	ft/yr

Transport Parameters

x_{max}	1025	ft
y_{max}	0	ft
z	0	ft
Source Width	30	ft
Source Thickness	15	ft
Plume Length	1025	ft
α_x	24.741	ft
α_y	2.4741	ft
α_z	1.00E-99	ft

Simulation Time

t_{sim}	23	yrs

Aquifer Characteristics

ρ_d	1.6	kg/L
f_{oc}	0.0002	

Source Area CoC Data

CoC	C_{source} (mg/L)	K_{oc} (L/kg)
tBA	2.28	1
tAA	2.3	1
DIPE	0.404	1.5
tAME	0.287	1.5
EtBE		1.5
Ethanol		0.5

Retarded Velocity (ft/yr)

CoC	R	v_R
tBA	1.001	39.95
tAA	1.001	39.95
DIPE	1.002	39.92
tAME	1.002	39.92
EtBE	1.002	39.92
Ethanol	1.001	39.97

Simulation Points for Breakthrough Curves

x	0	ft
y	0	ft
z	0	ft

x	0	ft
y	0	ft
z	0	ft

$$C(x,y,z,t)=\left(\frac{C_0}{8}\right)\exp\left[\left(\frac{x}{2\alpha_x}\right)\left(1-\sqrt{1+\frac{4\lambda\alpha_x}{v}}\right)\right]erfc\left[\frac{x-vt\sqrt{1+\frac{4\lambda\alpha_x}{v}}}{2\sqrt{\alpha_x vt}}\right]\left\{erf\left[\frac{y+\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]-erf\left[\frac{y-\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]\right\}\left\{erf\left[\frac{z+Z}{2\sqrt{\alpha_z x}}\right]-erf\left[\frac{z-Z}{2\sqrt{\alpha_z x}}\right]\right\}$$

tBA Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	2.28	2.28
102.5		0.834
205		0.452
307.5		0.276
410		0.178
512.5		0.118
615		0.079
717.5		0.052
820		0.033
922.5		0.019
1025	0.01	0.010

Temporal Calibration Data

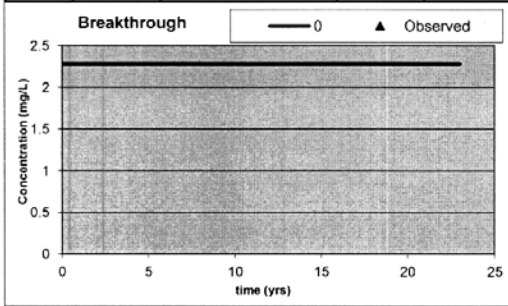
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		2.28		2.28
2.3		2.280		2.280
4.6		2.280		2.280
6.9		2.280		2.280
9.2		2.280		2.280
11.5		2.280		2.280
13.8		2.280		2.280
16.1		2.280		2.280
18.4		2.280		2.280
20.7		2.280		2.280
23		2.280		2.280

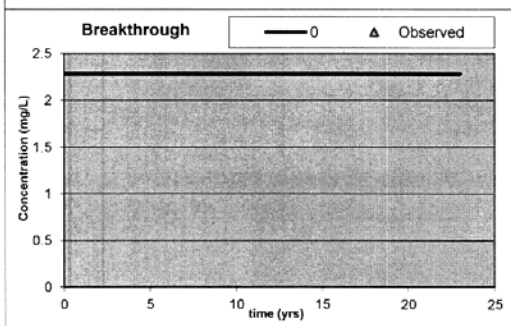
Site ID 05659

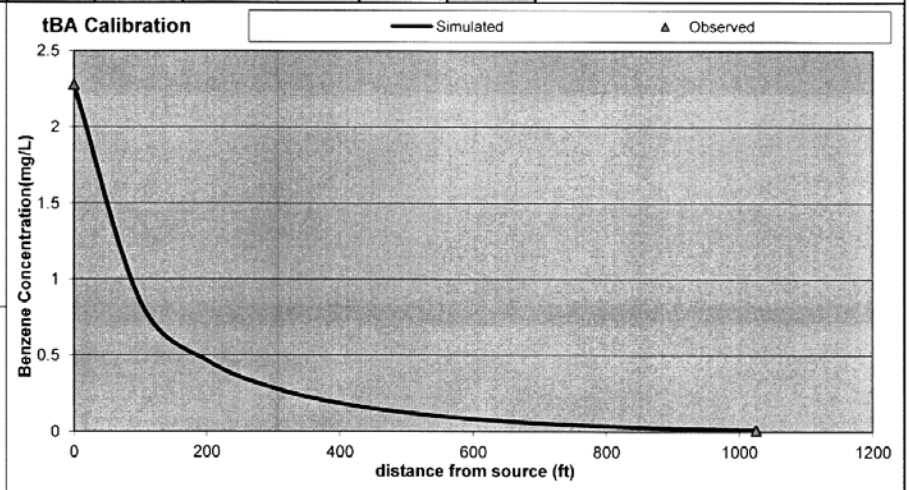
Site Name Corner Stop 28

Model Calibration Parameters

$t_{1/2}$	5.5	yrs	λ	0.126	yr^{-1}
v_x	40	ft/yr			
R	1.001				
v_R	39.949	ft/yr	C_{source}	2.28	mg/L
L_p	1025	ft			
α_x	24.741	ft	t_{sim}	23	yrs
α_y	2.4741	ft			
α_z	1E-99	ft			







Source	102.5	205	307.5	410	512.5	615	717.5	820	922.5	1025
0	0.83430113	0.45213441	0.27635875	0.17794832	0.11766222	0.0785008	0.051773	0.03284	0.019385	0.010298
0	0.83430113	0.45213441	0.27635875	0.17794832	0.11766222	0.0785008	0.051773	0.03284	0.019385	0.010298
0	0.83430113	0.45213441	0.27635875	0.17794832	0.11766222	0.0785008	0.051773	0.03284	0.019385	0.010298
0	0.83430113	0.45213441	0.27635875	0.17794832	0.11766222	0.0785008	0.051773	0.03284	0.019385	0.010298
0	0.83430113	0.45213441	0.27635875	0.17794832	0.11766222	0.0785008	0.051773	0.03284	0.019385	0.010298

tAA Calibration

Spatial Calibration Data

(centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	2.3	2.3
102.5		0.842
205		0.456
307.5		0.279
410		0.180
512.5		0.119
615		0.079
717.5		0.052
820		0.033
922.5		0.020
1025	0.1	0.010

Temporal Calibration Data

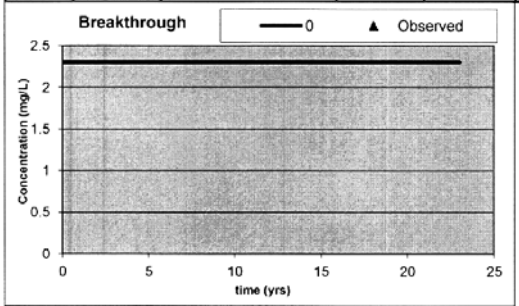
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		2.3		2.3
2.3		2.300		2.300
4.6		2.300		2.300
6.9		2.300		2.300
9.2		2.300		2.300
11.5		2.300		2.300
13.8		2.300		2.300
16.1		2.300		2.300
18.4		2.300		2.300
20.7		2.300		2.300
23		2.300		2.300

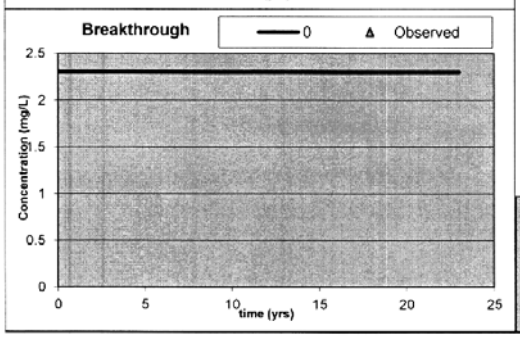
Site ID 05659

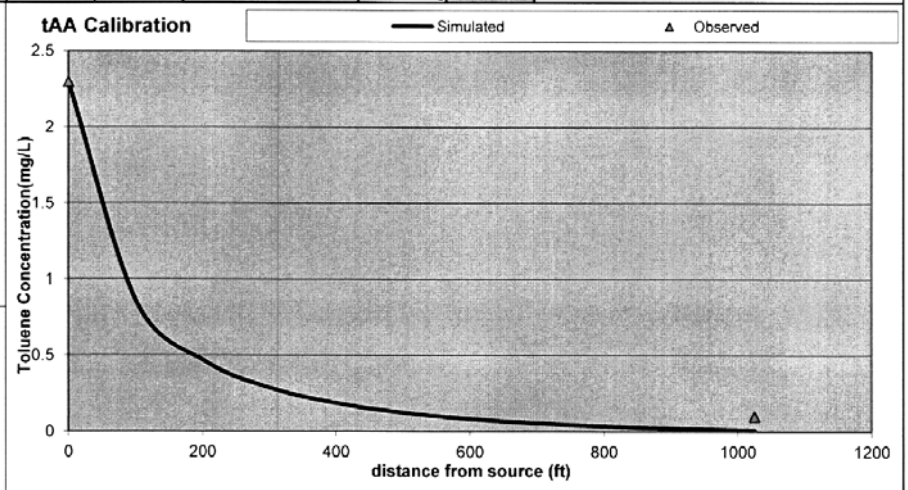
Site Name Corner Stop 28

Model Calibration Parameters

$t_{1/2}$	5.5	yrs	λ	0.126	yr^{-1}
v_x	40	ft/yr			
R	1.001				
v_R	39.949	ft/yr	C_{source}	2.3	mg/L
L_p	1025	ft			
α_x	24.741	ft	t_{sim}	23	yrs
α_y	2.4741	ft			
α_z	1E-99	ft			







Source	102.5	205	307.5	410	512.5	615	717.5	820	922.5	1025
0	0.84161956	0.4561005	0.27878295	0.17950927	0.11869434	0.0791894	0.052227	0.033128	0.019555	0.010388
0	0.84161956	0.4561005	0.27878295	0.17950927	0.11869434	0.0791894	0.052227	0.033128	0.019555	0.010388
0	0.84161956	0.4561005	0.27878295	0.17950927	0.11869434	0.0791894	0.052227	0.033128	0.019555	0.010388
0	0.84161956	0.4561005	0.27878295	0.17950927	0.11869434	0.0791894	0.052227	0.033128	0.019555	0.010388
0	0.84161956	0.4561005	0.27878295	0.17950927	0.11869434	0.0791894	0.052227	0.033128	0.019555	0.010388

DIPE Calibration

Spatial Calibration Data

(centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	0.404	0.404
102.5		0.165
205		0.100
307.5		0.069
410		0.049
512.5		0.036
615		0.027
717.5		0.019
820		0.013
922.5		0.008
1025	0.005	0.005

Temporal Calibration Data

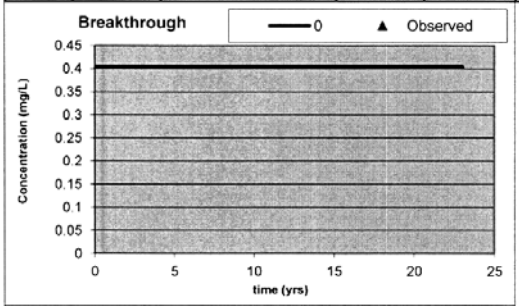
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		0.404		0.404
2.3		0.404		0.404
4.6		0.404		0.404
6.9		0.404		0.404
9.2		0.404		0.404
11.5		0.404		0.404
13.8		0.404		0.404
16.1		0.404		0.404
18.4		0.404		0.404
20.7		0.404		0.404
23		0.404		0.404

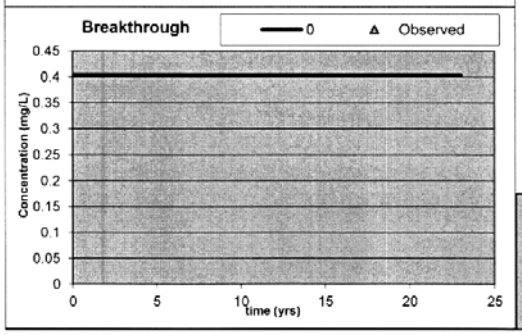
Site ID 05659

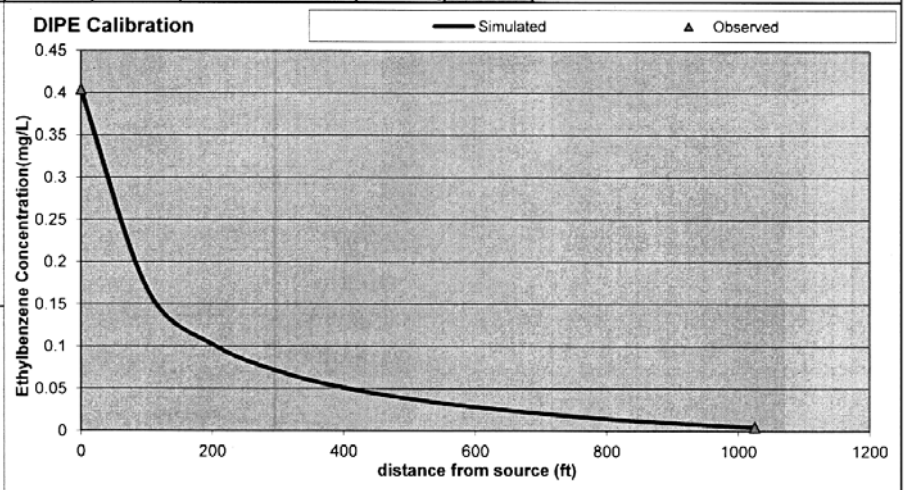
Site Name Corner Stop 28

Model Calibration Parameters

$t_{1/2}$	9	yrs	λ	0.077	yr^{-1}
v_x	40	ft/yr			
R	1.002				
v_R	39.923	ft/yr	C_{source}	0.404	mg/L
L_p	1025	ft			
α_x	24.741	ft	t_{sim}	23	yrs
α_y	2.4741	ft			
α_z	1E-99	ft			







Source	102.5	205	307.5	410	512.5	615	717.5	820	922.5	1025
0	0.16540108	0.1002846	0.06856416	0.04934019	0.03636532	0.0268802	0.019433	0.013316	0.008357	0.004651
0	0.16540108	0.1002846	0.06856416	0.04934019	0.03636532	0.0268802	0.019433	0.013316	0.008357	0.004651
0	0.16540108	0.1002846	0.06856416	0.04934019	0.03636532	0.0268802	0.019433	0.013316	0.008357	0.004651
0	0.16540108	0.1002846	0.06856416	0.04934019	0.03636532	0.0268802	0.019433	0.013316	0.008357	0.004651
0	0.16540108	0.1002846	0.06856416	0.04934019	0.03636532	0.0268802	0.019433	0.013316	0.008357	0.004651

tAME Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	0.287	0.287
102.5		0.135
205		0.094
307.5		0.074
410		0.061
512.5		0.051
615		0.043
717.5		0.034
820		0.026
922.5		0.017
1025	0.01	0.010

Temporal Calibration Data

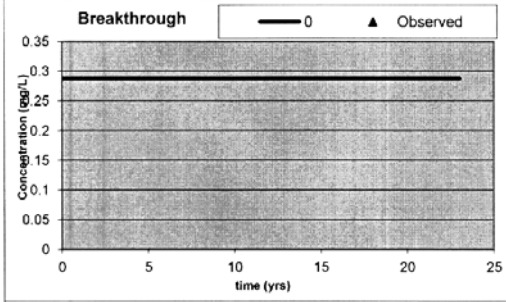
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		0.287		0.287
2.3		0.287		0.287
4.6		0.287		0.287
6.9		0.287		0.287
9.2		0.287		0.287
11.5		0.287		0.287
13.8		0.287		0.287
16.1		0.287		0.287
18.4		0.287		0.287
20.7		0.287		0.287
23		0.287		0.287

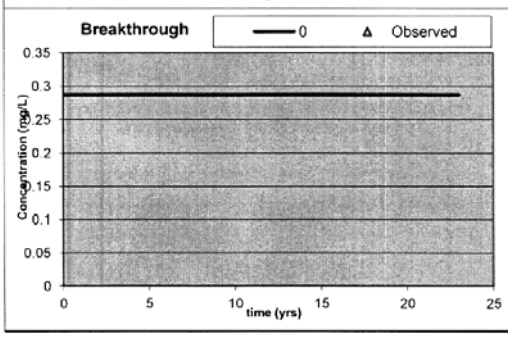
Site ID 05659

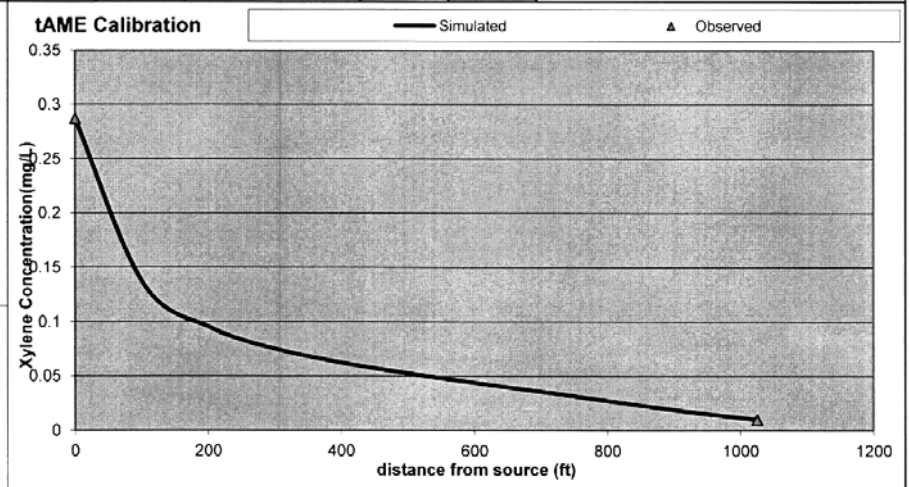
Site Name Corner Stop 28

Model Calibration Parameters

$t_{1/2}$	35	yrs	λ	0.0198	yr^{-1}
v_x	40	ft/yr			
R	1.002				
v_R	39.923	ft/yr	C_{source}	0.287	mg/L
L_p	1025	ft			
α_x	24.741	ft	t_{sim}	23	yrs
α_y	2.4741	ft			
α_z	1E-99	ft			







Source	102.5	205	307.5	410	512.5	615	717.5	820	922.5	1025
0	0.13499639	0.09402557	0.07380437	0.06085346	0.05111966	0.0426202	0.034205	0.025528	0.017123	0.010022
0	0.13499639	0.09402557	0.07380437	0.06085346	0.05111966	0.0426202	0.034205	0.025528	0.017123	0.010022
0	0.13499639	0.09402557	0.07380437	0.06085346	0.05111966	0.0426202	0.034205	0.025528	0.017123	0.010022
0	0.13499639	0.09402557	0.07380437	0.06085346	0.05111966	0.0426202	0.034205	0.025528	0.017123	0.010022
0	0.13499639	0.09402557	0.07380437	0.06085346	0.05111966	0.0426202	0.034205	0.025528	0.017123	0.010022

SSTLs t 1000 yrs

UST Permit # 05659
Site Name: Corner Stop 2

SSTLs in mg/L			RBSLs (mg/L):	1.400	0.240	0.150	0.128		
MW #	x (ft)	y (ft)	z (ft)	tBA SSTL	tAA SSTL	DIPE SSTL	tAME SSTL		
MW-1	932	0	0	124.055	21.267	4.787	1.156		
MW-3	966	0	0	139.536	23.920	5.188	1.196		
MW-7	860	0	0	96.497	16.542	4.030	1.073		
MW-11	858	0	0	95.821	16.426	4.010	1.070		
MW-15R	825	0	0	85.302	14.623	3.701	1.033		
MW-19R	830	0	0	86.823	14.884	3.747	1.039		
MW-22	805	0	0	79.468	13.623	3.525	1.011		
MW-26	965	0	0	139.055	23.838	5.176	1.195		
MW-28	742	0	0	63.445	10.876	3.015	0.942		
MW-53	200	0	0	6.877	1.179	0.592	0.385		
			λ (yr^{-1}):	0.126	0.126	0.077	0.020		
			R:	1.001	1.001	1.002	1.002		

$V_x = 40$ ft/yr

$X_{max} = 1{,}025'$

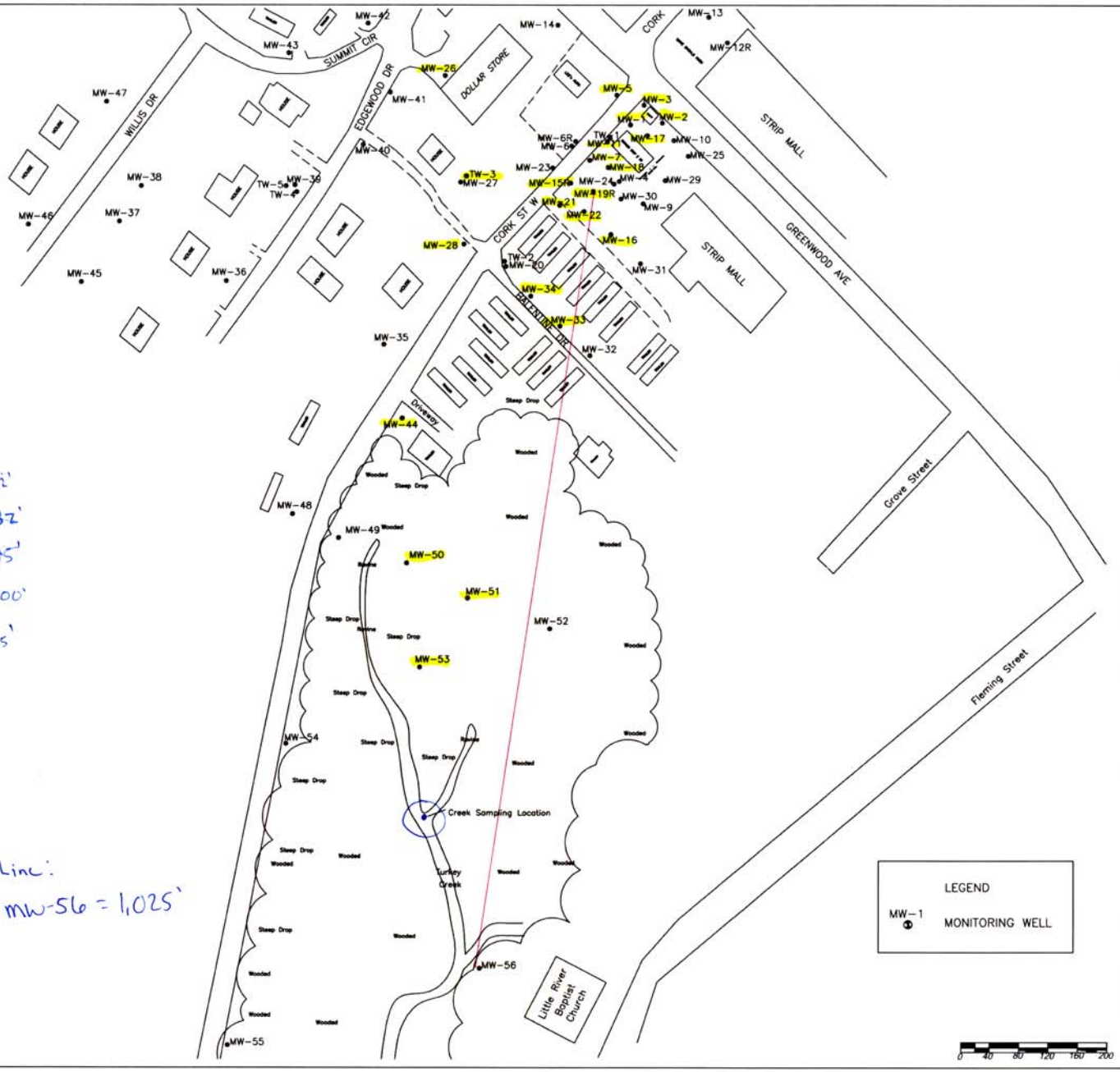
$t_{sim} = 23$ yrs

Distance to Creek Sampling Location

mw-1 = 932'
mw-2 = 964'
mw-3 = 966'
mw-5 = 965'
mw-7 = 960'
mw-11 = 858'
mw-15R = 825'
mw-16 = 800'
mw-17 = 932'
mw-18 = 860'
mw-19R = 830'
mw-21 = 810'
mw-22 = 805'
mw-26 = 965'
mw-28 = 742'
mw-33 = 680'
mw-34 = 699'

mw-44 = 532'
mw-50 = 332'
mw-51 = 275'
mw-53 = 200'
TW-3 = 825'

Calibration Line:
mw-19R → mw-56 = 1,025'



KLM Environmental, LLC

Phase I-Phase II-Underground Storage Tanks-Soil & Water Sampling-Well Installation

FIGURE 2
SITE MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

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MAR 26 2008

UNDERGROUND STORAGE
TANK PROGRAM

MARCH 2008 MONITORING REPORT
Corner Stop 28 (Former Fast Point 17)
Ware Shoals, South Carolina
Site ID# 05659

KLM Environmental, LLC
Phase I Phase II Underground Storage Tanks Soil & Water Sampling Well Installation
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March 14, 2008

UST PROGRAM
DOCKETING # ST

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This report entitled "**MARCH 2008 MONITORING REPORT" for Corner Stop 28** has been prepared at the request of and for the exclusive use of the South Carolina Department of Health and Environmental Control. It has been prepared and reviewed by the undersigned.

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TABLE OF CONTENTS

SECTION	DESCRIPTION	PAGE
1.0	INTRODUCTION	1
2.0	AFVR	2
3.0	SITE DESCRIPTION	3
4.0	GROUNDWATER QUALITY	5
5.0	CONCLUSIONS	10
6.0	REFERENCES	11

LIST OF FIGURES

DESCRIPTION	FIGURE
GENERAL SITE LOCATION	1
SITE MAP	2
PIEZOMETRIC MAP	3
COC MAP	4

LIST OF APPENDICES

DESCRIPTION	APPENDIX
FIGURES	A
AFVR EMISSIONS DATA	B
WELL CONSTRUCTION LOGS	C
LABORATORY DATA	D
DISPOSAL MANIFEST	E

LIST OF TABLES

DESCRIPTION	TABLE
GROUNDWATER ELEVATION DATA	1
SUMMARY OF ANALYTICAL DATA	2
SUMMARY OF ADDITIONAL DATA	3

1.0 INTRODUCTION

The Corner Stop 28 site is located at 717 North Greenwood Ave. in Ware Shoals, South Carolina. A general site location map is provided as Figure 1 in Appendix A. Numerous assessment and sampling events have occurred at the site since the release was reported on December 31, 1991. As a result of the last assessment event conducted in October, 2007 a directive was sent out requesting Aggressive Fluid Vapor Recovery (AFVR) to be performed at the site along with additional wells to be installed and the well network be sampled. This report serves to present the results of the AFVR event and the current assessment investigation.

2.0 AGGRESSIVE FLUID VAPOR RECOVERY

The AFVR event was performed on January 22, 2008. Free product measured 0.53 feet at MW-11 and measured 1.96 feet at MW-7 before the AFVR event began. A total of 112 gallons of water and product were recovered during this event, with 31 gallons of that being free product. There was no measurable free product in the well at the completion of the eight AFVR event. Vacuum truck emissions monitoring data are included in Appendix B along with the manifest for the AFVR Event.

3.0 SITE DESCRIPTION

Currently, there are twenty two shallow wells and two telescoping wells located at the site. Figure 2 serves as a site map showing well locations. On January 22nd 2007 Cypress Bay Geological, Inc. installed MW-6R, MW-21, and MW-22. Well construction logs are presented in Appendix C. The piezometric data is provided in the following table and in Appendix A, Figure 3.

TABLE 1
Groundwater Data (feet)
Corner Stop #28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	FP Thickness	GW Elevation
MW-1**	2/27/08	99.42	34-54	47.32	48.94	1.62	--
MW-2	2/27/08	98.19	45-55	--	43.29	--	54.90
MW-3**	2/27/08	99.02	45-55	46.17	46.29	0.12	--
MW-4	2/27/08	102.70	45-60	--	Dry	--	Dry
MW-5	2/27/08	99.90	35-60	--	47.26	--	52.64
MW-6R	2/27/08	101.94	45-65	--	56.98	--	44.96
MW-7**	2/27/08	101.61	35-60	57.52	57.63	0.11	--
MW-9	2/27/08	96.71	35-60	--	41.92	--	54.79
MW-10	2/27/08	98.24	35-60	--	35.03	--	63.21
MW-11**	2/27/08	100.53	30-55	53.41	54.45	1.04	--
MW-12	2/27/08	97.96	33-48	--	CNL	--	CNL
MW-13	2/27/08	99.96	40-60		41.52	--	58.44
MW-14	2/27/08	102.92	40-60	--	54.30	--	48.62
MW-15**	2/27/08	101.50	40-60	57.44	58.19	0.75	--
MW-16	2/27/08	98.68	40-60	--	52.65	--	46.03
MW-17	2/27/08	99.05	40-60	--	41.33	--	57.72
MW-18**	2/27/08	101.23	40-60	55.76	55.84	0.08	--
MW-19**	2/27/08	102.19	40-60	58.95	58.97	0.02	--
MW-20	2/27/08	91.47	40-60	--	52.52	--	38.95
MW-21	2/27/08	100.39	45-65	--	58.70	--	41.69
MW-22	2/27/08	100.39	45-65	--	58.37	--	42.02
T-1**	2/27/08	100.32	71-81	--	55.67	--	44.65
T-2**	2/27/08	91.86	76-81	--	52.98	--	38.88

**Piezometric data from wells with free product and telescoping well not used to construct the piezometric map.
CNL = Could Not Locate

Depths to fluid measurements were collected relative to the top of casing for each well using a hydrocarbon interface probe capable of detecting and measuring a hydrocarbon product thickness of 0.01 foot or 1/8 inch. Groundwater elevations were then determined by subtracting depth to fluid measurements from the top of casing elevations and a piezometric contour map of the uppermost aquifer surface was developed (Appendix A, Figure 3). Free phase petroleum product was detected in monitoring wells MW-1, MW-3, MW-7, MW-11, MW-15, MW-18, and MW-19 on the day sampling was performed. These wells along with the telescoping wells are not included in the piezometric map in Appendix A. Monitoring wells MW-4 and MW-6 were dry. Monitoring well MW-12 could not be located due to recent construction of a flower bed and sitting area constructed with brick sidewalks and patios, which may have destroyed or covered the well. The city of Ware Shoals performed this construction.

4.0 GROUNDWATER QUALITY

KLM personnel performed the groundwater-sampling event on February 27th, 2008. Results from the most recent sampling event are included in the table for comparison.

TABLE 2
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethylbenzene	Total Xylenes
RBSL	--	**5**	**1000**	**700**	**10000**
MW-1	2/28/06	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**
MW-2	2/28/06	**3800**	**41000**	**4100**	**22500**
	5/30/07	**1300**	**20000**	**1900**	**12300**
	10/23/07	**2410**	**25900**	**3340**	**18350**
	2/27/08	**2770**	**28600**	3670	**20000**
MW-3	2/28/06	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**
MW-4	2/28/06	NS	NS	NS	NS
	5/30/07	DRY	DRY	DRY	DRY
	10/23/07	DRY	DRY	DRY	DRY
MW-5	2/28/06	**410**	150	19	270
	5/30/07	**900**	820	150	640
	10/23/07	**592**	334	70.1	444
	2/27/08	482	614	25.4	1110
MW-6	2/28/06	**450**	350	650	1450
	5/30/07	<5.0	14	6.4	40
	10/23/07	DRY	DRY	DRY	DRY
MW-6R	2/27/08	4470	**19500**	**2300**	9800
MW-7	2/28/06	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**
MW-9	2/28/06	<1	<1	<1	<3
	5/30/07	<5.0	<5.0	<5.0	<10
	10/23/07	<5.0	5.2	<5.0	<10.0
	2/27/08	1.3	29.0	8.4	45.4

TABLE 2 CONTINUED
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethylbenzene	Total Xylenes
RBSL	--	**5**	**1000**	**700**	**10000**
MW-10	2/28/06	<1	<1	<1	<3
	5/30/07	<5.0	9.5	<5.0	21.4
	10/23/07	<5.0	19.4	6.7	43.3
	2/27/08	3.7	106	34.3	215
MW-11	2/28/06	**12000**	**60000**	**10000**	**55000**
	5/30/07	**FP**	**FP**	**FP**	**FP**
	10/23/07	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**
MW-12	2/28/06	**130**	7	1	94
	5/30/07	CNL	CNL	CNL	CNL
	10/23/07	CNL	CNL	CNL	CNL
MW-13	5/30/07	<5.0	<5.0	<5.0	<10
	10/23/07	<5.0	7.4	<5.0	<10
	2/27/08	**6.4**	<5.0	<5.0	4.6
MW-14	5/30/07	<5.0	<5.0	<5.0	<10
	10/23/07	<5.0	<5.0	<5.0	<10.0
	2/27/08	<5.0	<5.0	<5.0	<10.0
MW-15	5/30/07	**10000**	**42000**	**3400**	**29000**
	10/23/07	**FP**	**FP**	**FP**	**FP**
	2/27/08	**FP**	**FP**	**FP**	**FP**
MW-16	5/30/07	<5.0	<5.0	<5.0	<10.0
	10/23/07	<5.0	9.3	<5.0	20.2
	2/27/08	1.7	30.1	8.5	44.9
MW-17	10/23/07	**2610**	**7400**	**912**	6330
	2/27/08	**4810**	**15900**	**2450**	**14200**
MW-18	10/23/07	**2180**	**20000**	**3410**	**19880**
	2/27/08	**FP**	**FP**	**FP**	**FP**
MW-19	10/23/07	**9840**	**47600**	**5260**	**27800**
	2/27/08	**FP**	**FP**	**FP**	**FP**
MW-20	10/23/07	<5.0	<5.0	<5.0	<10.0
	2/27/08	<5.0	<5.0	<5.0	<10.0
MW-21	2/27/08	**123**	23.0	15.3	569
MW-22	2/27/08	**9410**	**45300**	**4050**	**21000**
T-1	2/28/06	NS	NS	NS	NS
	5/30/07	**41**	240	120	790
	10/23/07	**<25**	44.7	<25	<50
	2/27/08	**5.4**	28.0	3.9	21.4
T-2	10/23/07	<5.0	33.2	9.9	52.5
	2/27/08	<5.0	7.1	<5.0	5.3

All results presented in the table are in ug/l unless otherwise stated. FP = Free product, NA = Not Analyzed

TABLE 3
Additional Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	MTBE	Naphthalene	Lead	EDB	1,2 - Dichloroethane
RBSL	--	**40**	**25**	**15**	**0.05**	**5**
MW-1	2/28/06	NS	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**	NS
	10/23/07	**FP**	**FP**	**FP**	**FP**	NS
	2/27/08	**FP**	**FP**	**FP**	**FP**	NS
MW-2	2/28/06	**1100**	**<400**	NS	**10**	NS
	5/30/07	**1900**	**400**	<5.0	**15**	NS
	10/23/07	**7510**	**1940**	<5.0	**16.8**	NS
	2/27/08	**4040**	**991**	<5.0	**12.6**	<1000
MW-3	2/28/06	NS	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**	NS
	10/23/07	**FP**	**FP**	**FP**	**FP**	NS
	2/27/08	**FP**	**FP**	**FP**	**FP**	NS
MW-4	2/28/06	NS	NS	NS	NS	NS
	5/30/07	DRY	DRY	DRY	DRY	NS
	10/23/07	DRY	DRY	DRY	DRY	NS
MW-5	2/28/06	**140**	3	NS	<0.02	NS
	5/30/07	**860**	13	<5	**0.20**	NS
	10/23/07	**425**	**45.4**	<5.0	0.031	NS
	2/27/08	**557**	**34.8**	<5.0	<0.02	<25.0
MW-6	2/28/06	19	<1	NS	<0.02	NS
	5/30/07	<5.0	12	NS	NS	NS
	10/23/07	DRY	DRY	DRY	DRY	NS
MW-6R	2/27/08	**85.9**	**351**	**340**	<0.02	<50.0
MW-7	2/28/06	NS	NS	NS	NS	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**	NS
	10/23/07	**FP**	**FP**	**FP**	**FP**	NS
	2/27/08	**FP**	**FP**	**FP**	**FP**	NS
MW-9	2/28/06	<1	<1	NS	<0.02	NS
	5/30/07	<5.0	<5.0	<5.0	<0.02	NS
	10/23/07	<5.0	<5.0	<5.0	<0.02	NS
	2/27/08	<5.0	8.6	<5.0	<0.02	<5.0
MW-10	2/28/06	<1	<1	NS	<0.02	NS
	5/30/07	<5.0	6.7	<5.0	<0.02	NS
	10/23/07	<5.0	11.7	<5.0	<0.02	NS
	2/27/08	2.1	**43.2**	<5.0	<0.02	<5.0
MW-11	2/28/06	**37000**	**3400**	NS	**19**	NS
	5/30/07	**FP**	**FP**	**FP**	**FP**	NS
	10/23/07	**FP**	**FP**	**FP**	**FP**	NS
	2/27/08	**FP**	**FP**	**FP**	**FP**	NS

TABLE 3 CONTINUED
Additional Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	MTBE	Naphthalene	Lead	EDB	1,2 - Dichloroethane
RBSL	--	**40**	**25**	**15**	**0.05**	**5**
MW-12	2/28/06	22	1	NS	<0.02	NS
	5/30/07	CNL	CNL	CNL	CNL	NS
	10/23/07	CNL	CNL	CNL	CNL	NS
MW-13	5/30/07	<5.0	<5.0	**54**	<0.02	NS
	10/23/07	<5.0	6.3	<5.0	<0.02	NS
	2/27/08	<5.0	3.1	<5.0	<0.02	<5.0
MW-14	5/30/07	<5.0	<5.0	**180**	<0.02	NS
	10/23/07	<5.0	<5.0	**22.5**	<0.02	NS
	2/27/08	<5.0	<5.0	**55.6**	<0.02	<5.0
MW-15	5/30/07	**980**	**830**	**94**	**23**	NS
	10/23/07	**FP**	**FP**	**FP**	**FP**	NS
	2/27/08	**FP**	**FP**	**FP**	**FP**	NS
MW-16	5/30/07	<5.0	<5.0	**27**	<0.02	NS
	10/23/07	<5.0	5.7	10.2	<0.02	NS
	2/27/08	<5.0	4.1	12.0	<0.02	<5.0
MW-17	10/23/07	**9380**	**<500**	**55.6**	**24.6**	NS
	2/27/08	**12200**	**764**	8.2	**37.1**	<250
MW-18	10/23/07	**1030**	**830**	**36.1**	**0.88**	NS
	2/27/08	**FP**	**FP**	**FP**	**FP**	NS
MW-19	10/23/07	**18500**	**1660**	**35.5**	**16.4**	NS
	2/27/08	**FP**	**FP**	**FP**	**FP**	NS
MW-20	10/23/07	<5.0	<5.0	**22.2**	<0.02	NS
	2/27/08	<5.0	<5.0	**74.6**	<0.02	<5.0
MW-21	2/27/08	8.3	**53.4**	**218**	<0.02	<5.0
MW-22	2/27/08	**12300**	<2500	**128**	4.0	**12.7**
T-1	2/28/06	NS	NS	NS	NS	NS
	5/30/07	**1500**	**260**	<5.0	**0.71**	NS
	10/23/07	**655**	<25	**34.5**	**0.10**	NS
	2/27/08	**232**	21.8	5.8	<0.02	<5.0
T-2	10/23/07	<5.0	6.9	<5.0	<0.02	NS
	2/27/08	<5.0	3.5	<5.0	<0.02	<5.0

All results presented in the table are in ug/l unless otherwise stated. FP = Free product, NA = Not Analyzed
CNL = Could Not Locate

A minimum of three well volumes were purged from each monitoring well newly installed or not effectively bracketing the water table. Immediately after well purging was completed, groundwater samples were collected using disposable bottom entry sampling bailers, decanted into sterile glass sample containers provided by the analytical laboratory, and preserved in accordance with United

States Environmental Protection Agency (USEPA) sampling protocol. Standard field parameters (pH, specific conductivity, temperature, dissolved oxygen, salinity, and turbidity) were measured and recorded for each sample during well purging and at the time of collection. Following collection in the field, the groundwater samples were submitted to the analytical laboratory and analyzed for Benzene, Toluene, Ethylbenzene, total Xylenes (BTEX), Methyl-tert Butyl Ether (MTBE), Naphthalene, EDB, 1,2 DCA and Lead. A copy of the laboratory data and the chain-of-custody for the well sampling event is provided in Appendix D. A map with concentration levels for each well is provided as Figure 4 in Appendix A. A disposal manifest for the contaminated purge water and drill cuttings is provided in Appendix E.

5.0 CONCLUSIONS

This sampling event performed on February 27th, 2008 shows the presence of free phase petroleum at the site in monitoring wells MW-1, MW-3, MW-7, MW-11, MW-15, MW-18, and MW-19. Before the AFVR event began on January 22nd, 2008, monitoring wells MW-7 and MW-11 were gauged for free product. Free product measured 1.96 feet in MW-7 and 0.53 feet in MW-11 before the AFVR began. Monitoring well MW-7 measured 0.11 feet while MW-11 measured 1.04 feet a month later during the sampling event. The dissolved phase levels reported by the analytical laboratory show elevated contaminant levels well above RBSL's at monitoring wells MW-2, MW-5, MW-6R, MW-10, MW-13, MW-17, MW-21, and MW-22. Telescoping well TW-1 is reported as having Benzene and MTBE above their respective RBSL. Because of the proven success of the past AFVR events at the Corner Stop site KLM recommends a series of AFVR events to be performed on all wells exhibiting free product (MW-1, MW-3, MW-7, MW-11, MW-15, MW-18, and MW-19). KLM also recommends a comprehensive sampling event following the AFVR events to monitor product levels and track contaminant concentrations.

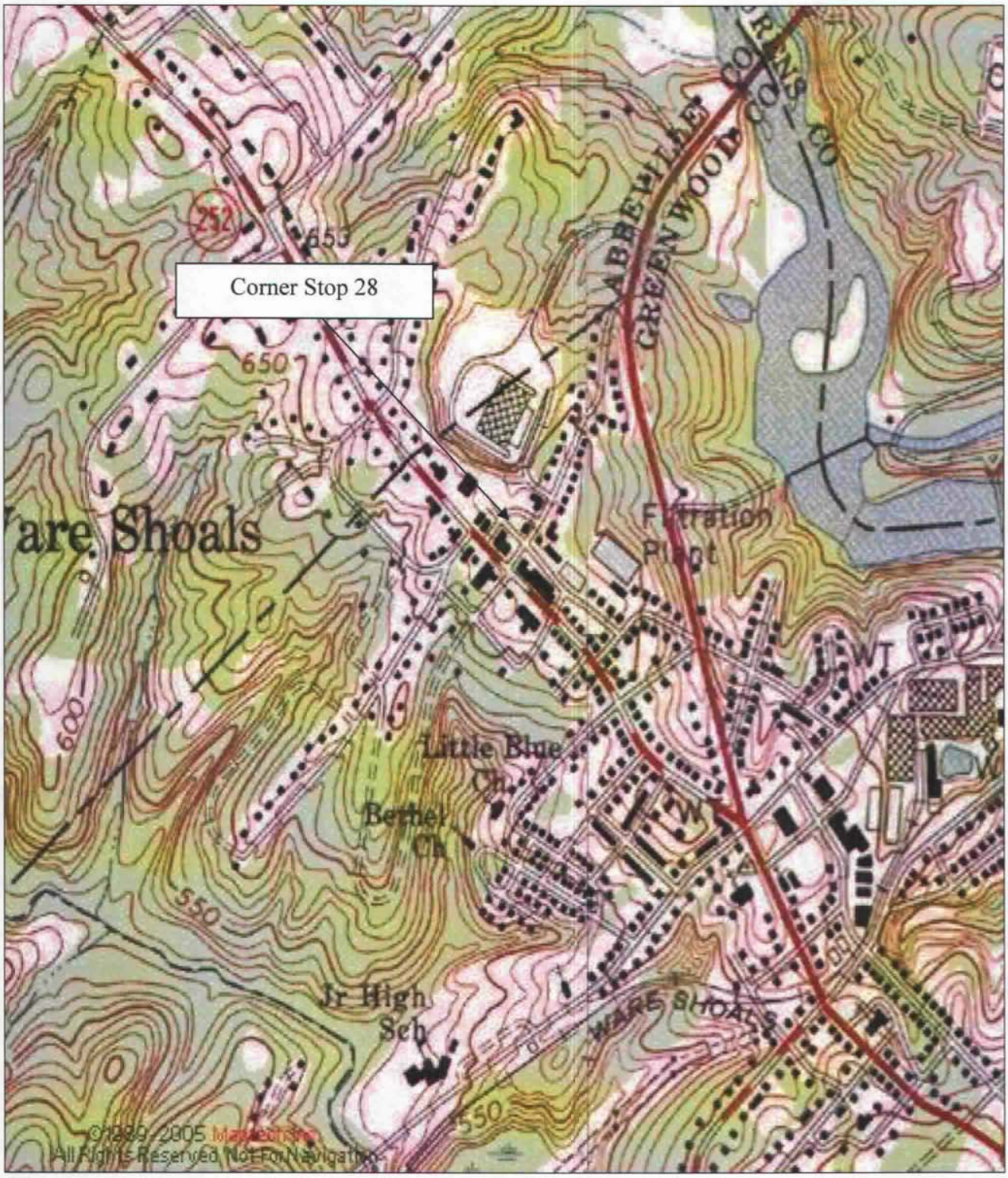
6.0 REFERENCES

KLM Environmental, LLC, *Assessment Report*, November, 2007.

KLM Environmental, LLC, *Assessment Report*, June, 2007.

Delta Environmental, Inc., *Monitoring Report*, February 2006.

South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management Underground Storage Tank Program, *South Carolina Risk-Based Corrective Action for Petroleum Releases*, May 15, 2001.



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Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

Figure 1
USGS Map
Corner Stop 28
Ware Shoals, SC
Project # 05094.2

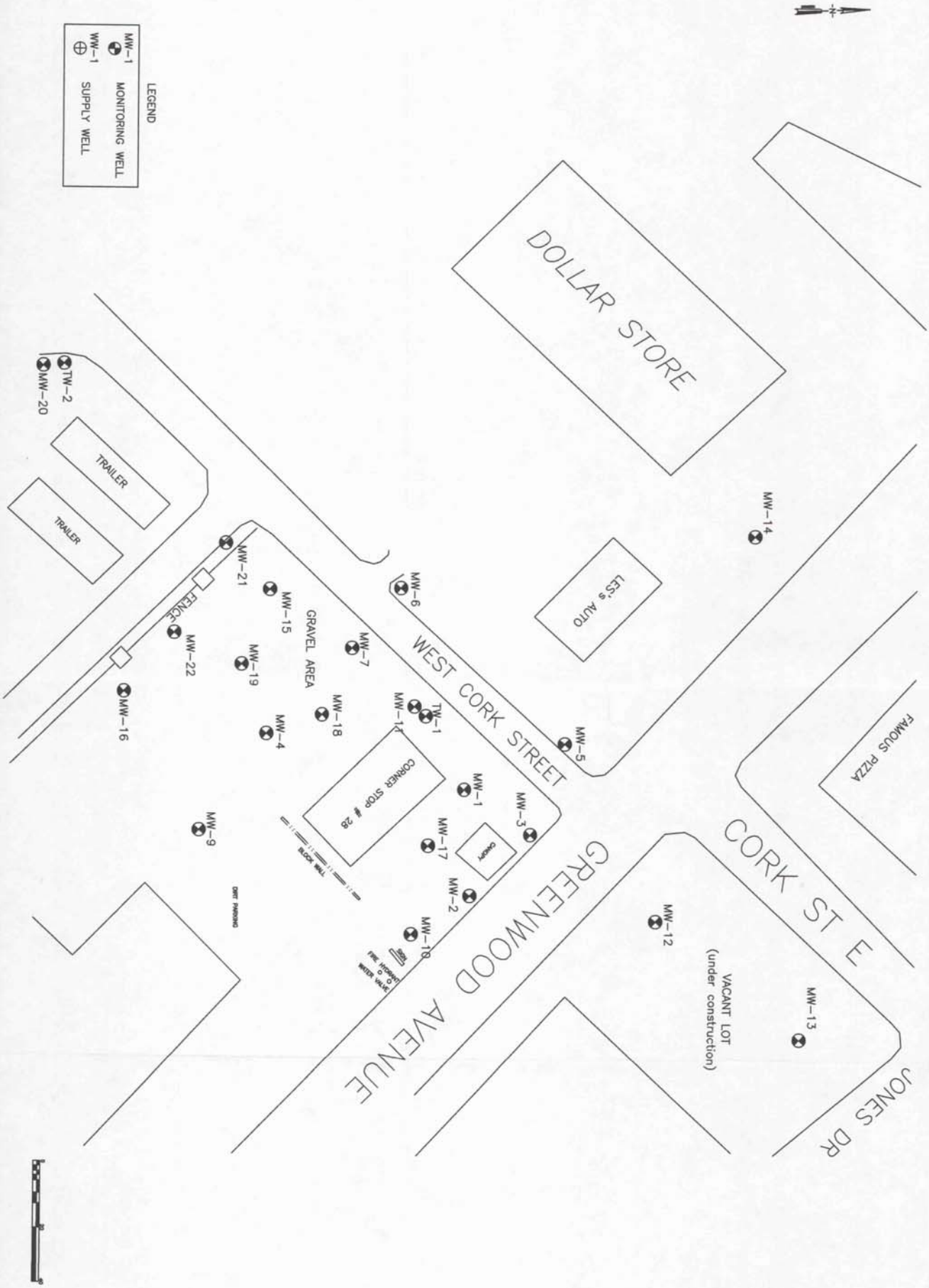
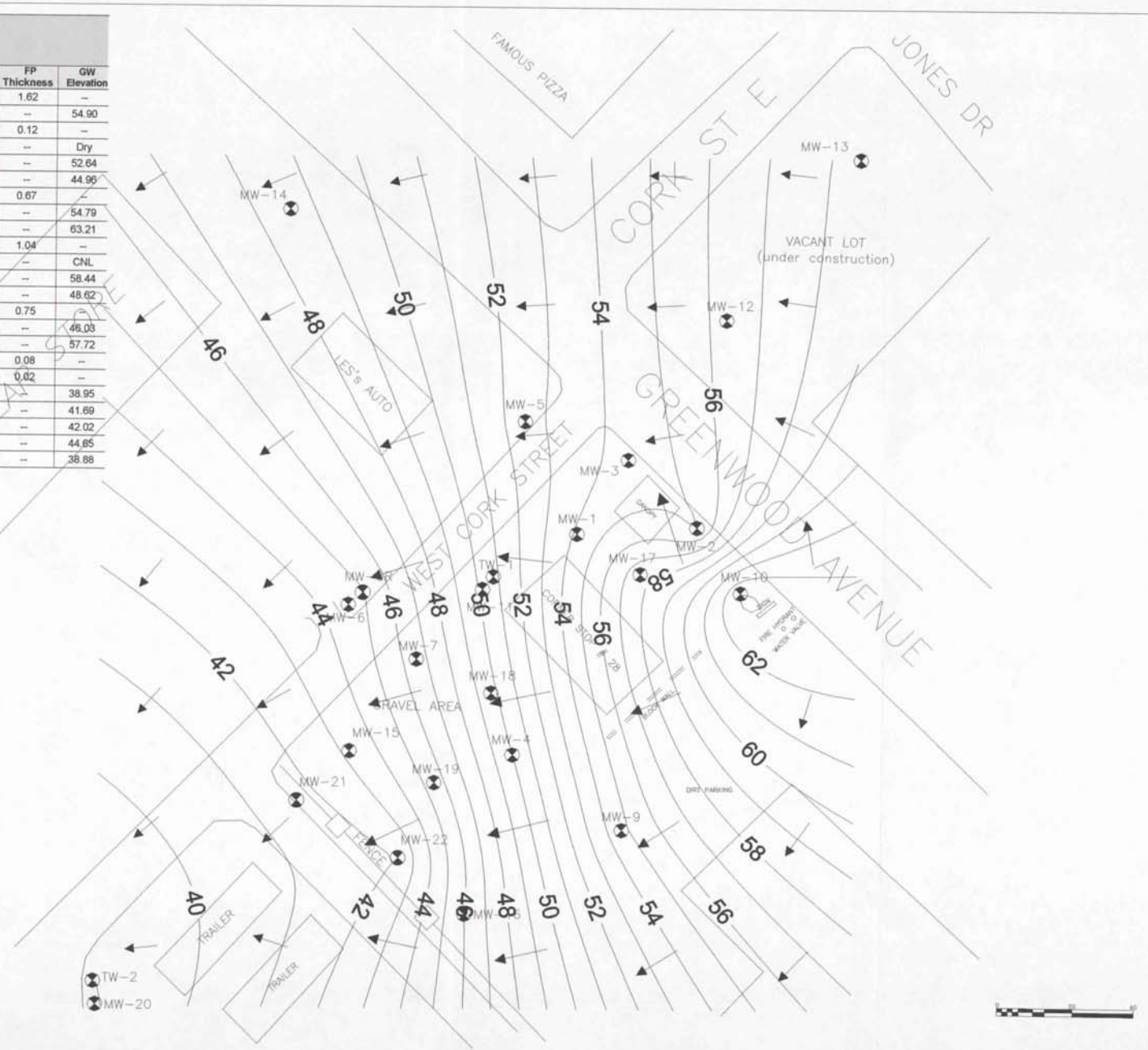


FIGURE 2
SITE MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

KLM Environmental, LLC
Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

TABLE 1
Groundwater Data (feet)
Corner Stop #28
Ware Shoals, SC

Monitoring Well	Date	TOC Elevation	Screened Interval	TOC to FP	TOC to GW	FP Thickness	GW Elevation
MW-1**	2/27/08	99.42	34-54	47.32	48.94	1.62	--
MW-3	2/27/08	98.19	45-55	--	43.29	--	54.90
MW-3**	2/27/08	99.02	45-55	46.17	46.29	0.12	--
MW-4	2/27/08	102.70	45-60	--	Dry	--	Dry
MW-5	2/27/08	99.90	35-60	--	47.26	--	52.64
MW-6R	2/27/08	101.94	45-65	--	56.98	--	44.96
MW-7**	2/27/08	101.61	35-60	57.52	58.19	0.67	--
MW-9	2/27/08	96.71	35-60	--	41.92	--	54.79
MW-10	2/27/08	98.24	35-60	--	35.03	--	63.21
MW-11**	2/27/08	100.53	30-55	53.41	54.45	1.04	--
MW-12	2/27/08	97.96	33-48	--	CNL	--	CNL
MW-13	2/27/08	99.96	40-60		41.52	--	58.44
MW-14	2/27/08	102.92	40-60	--	54.30	--	48.62
MW-15**	2/27/08	101.50	40-60	57.44	58.19	0.75	--
MW-16	2/27/08	98.68	40-60	--	52.65	--	46.03
MW-17	2/27/08	99.05	40-60	--	41.33	--	57.72
MW-18	2/27/08	101.23	40-60	55.76	55.84	0.08	--
MW-19	2/27/08	102.19	40-60	58.95	58.97	0.02	--
MW-20	2/27/08	91.47	40-60	--	52.52	--	38.95
MW-21	2/27/08	100.39	45-65	--	58.70	--	41.69
MW-22	2/27/08	100.39	45-65	--	58.37	--	42.02
T-1**	2/27/08	100.32	71-81	--	55.67	--	44.65
T-2**	2/27/08	91.86	76-81	--	52.98	--	38.88



LEGEND

MW-1 MONITORING WELL

WW-1 SUPPLY WELL

KLM Environmental, LLC

Phase I Phase II Underground Storage Tanks Soil & Water Sampling Well Installation

FIGURE 3
PIEZOMETRIC MAP
CORNER STOP # 28
WARE SHOALS SC SITE # 05659

TABLE 2
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethylbenzene	Total Xylenes
RBSL	–	5	1000	700	10000
MW-1	2/28/06	NS	NS	NS	NS
	5/30/07	FP	FP	FP	FP
	10/23/07	FP	FP	FP	FP
	2/27/08	FP	FP	FP	FP
MW-2	2/28/06	3800	41000	4100	22500
	5/30/07	1300	20000	1800	12300
	10/23/07	2410	25000	3340	18350
	2/27/08	2770	28000	3670	20000
MW-3	2/28/06	NS	NS	NS	NS
	5/30/07	FP	FP	FP	FP
	10/23/07	FP	FP	FP	FP
	2/27/08	FP	FP	FP	FP
MW-4	2/28/06	NS	NS	NS	NS
	5/30/07	DRY	DRY	DRY	DRY
	10/23/07	DRY	DRY	DRY	DRY
MW-5	2/28/06	410	150	19	270
	5/30/07	900	630	150	640
	10/23/07	592	334	70.1	444
	2/27/08	482	614	25.4	1110
MW-6	2/28/06	490	350	850	1450
	5/30/07	<5.0	14	5.4	40
	10/23/07	DRY	DRY	DRY	DRY
MW-6R	2/27/08	4470	19500	2300	5600
MW-7	2/28/06	NS	NS	NS	NS
	5/30/07	FP	FP	FP	FP
	10/23/07	FP	FP	FP	FP
	2/27/08	FP	FP	FP	FP
MW-9	2/28/06	<1	<1	<1	<3
	5/30/07	<5.0	<5.0	<5.0	<10
	10/23/07	<5.0	5.2	<5.0	<10.0
	2/27/08	1.3	29.0	5.4	40.4

TABLE 2 CONTINUED
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

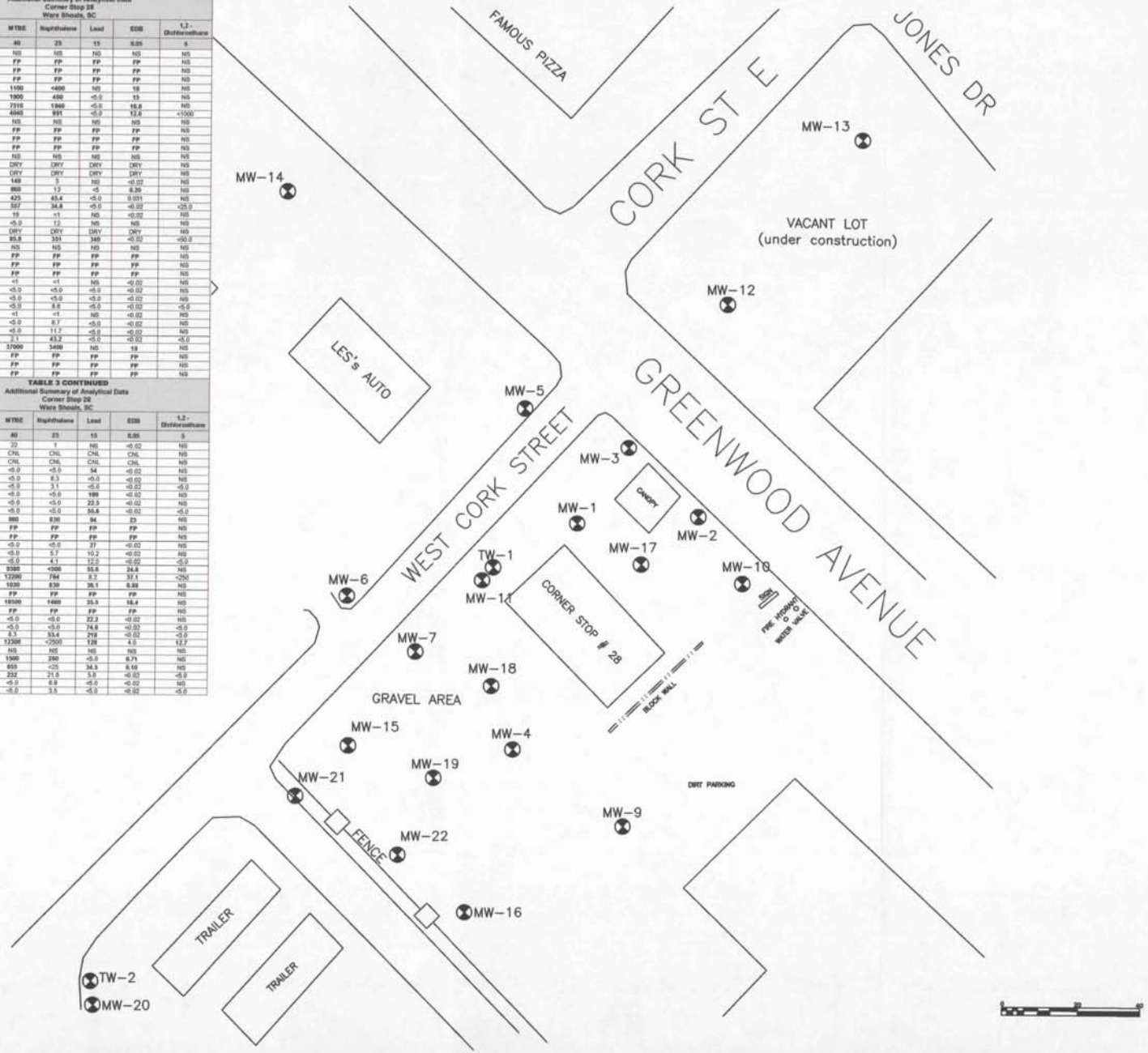
Well #	Date Sampled	Benzene	Toluene	Ethylbenzene	Total Xylenes
RBSL	–	5	1000	700	10000
MW-10	2/28/06	<1	<1	<1	<3
	5/30/07	<5.0	9.5	<5.0	21.4
	10/23/07	<5.0	19.4	6.7	43.3
	2/27/08	3.7	106	34.3	215
MW-11	2/28/06	12000	60000	10000	55000
	5/30/07	FP	FP	FP	FP
	10/23/07	FP	FP	FP	FP
	2/27/08	FP	FP	FP	FP
MW-12	2/28/06	130	7	1	94
	5/30/07	CNL	CNL	CNL	CNL
	10/23/07	CNL	CNL	CNL	CNL
MW-13	5/30/07	<5.0	<5.0	<5.0	<10
	10/23/07	<5.0	7.4	<5.0	<10
	2/27/08	5.4	<5.0	<5.0	4.6
MW-14	5/30/07	<5.0	<5.0	<5.0	<10
	10/23/07	<5.0	<5.0	<5.0	<10.0
	2/27/08	<5.0	<5.0	<5.0	<10.0
MW-15	5/30/07	10000	42000	3400	29000
	10/23/07	FP	FP	FP	FP
	2/27/08	FP	FP	FP	FP
MW-16	5/30/07	<5.0	<5.0	<5.0	<10.0
	10/23/07	<5.0	9.3	<5.0	20.2
	2/27/08	1.7	30.1	8.5	44.9
MW-17	10/23/07	2010	7400	912	6330
	2/27/08	4910	13000	3450	14200
MW-18	10/23/07	3190	20000	3410	18800
	2/27/08	FP	FP	FP	FP
MW-19	10/23/07	5840	47000	5250	27000
	2/27/08	FP	FP	FP	FP
MW-20	10/23/07	<5.0	<5.0	<5.0	<10.0
	2/27/08	<5.0	<5.0	<5.0	<10.0
MW-21	2/27/08	123	23.0	15.3	169
MW-22	2/27/08	9410	45300	4050	21000
T-1	2/28/06	NS	NS	NS	NS
	5/30/07	41	240	120	790
	10/23/07	<25	44.7	<25	<50
	2/27/08	5.4	28.0	3.9	21.4
T-2	10/23/07	<5.0	33.2	9.9	52.5
	2/27/08	<5.0	7.1	<5.0	5.3

TABLE 3
Additional Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	MTBE	Naphthalene	Lead	EDB	1,2 - Dichloroethane
RBSL	–	40	25	15	0.05	5
MW-1	2/28/06	NS	NS	NS	NS	NS
	5/30/07	FP	FP	FP	FP	NS
	10/23/07	FP	FP	FP	FP	NS
	2/27/08	FP	FP	FP	FP	NS
MW-2	2/28/06	1100	<400	NS	15	NS
	5/30/07	1900	400	<5.0	15	NS
	10/23/07	7310	1940	<5.0	15.0	NS
	2/27/08	4040	951	<5.0	12.6	<1000
MW-3	2/28/06	NS	NS	NS	NS	NS
	5/30/07	FP	FP	FP	FP	NS
	10/23/07	FP	FP	FP	FP	NS
	2/27/08	FP	FP	FP	FP	NS
MW-4	2/28/06	NS	NS	NS	NS	NS
	5/30/07	DRY	DRY	DRY	DRY	NS
	10/23/07	DRY	DRY	DRY	DRY	NS
MW-5	2/28/06	140	3	NS	<0.02	NS
	5/30/07	860	13	<5	0.20	NS
	10/23/07	425	43.4	<5.0	0.031	NS
	2/27/08	557	34.8	<5.0	<0.02	<25.0
MW-6	2/28/06	19	<1	NS	<0.02	NS
	5/30/07	<5.0	12	NS	NS	NS
	10/23/07	DRY	DRY	DRY	DRY	NS
MW-6R	2/27/08	85.8	351	349	<0.02	<50.0
MW-7	2/28/06	NS	NS	NS	NS	NS
	5/30/07	FP	FP	FP	FP	NS
	10/23/07	FP	FP	FP	FP	NS
	2/27/08	FP	FP	FP	FP	NS
MW-9	2/28/06	<1	<1	NS	<0.02	NS
	5/30/07	<5.0	<5.0	<5.0	<0.02	NS
	10/23/07	<5.0	<5.0	<5.0	<0.02	NS
	2/27/08	<5.0	8.8	<5.0	<0.02	<5.0
MW-10	2/28/06	<1	<1	NS	<0.02	NS
	5/30/07	<5.0	8.7	<5.0	<0.02	NS
	10/23/07	<5.0	11.7	<5.0	<0.02	NS
	2/27/08	2.1	43.2	<5.0	<0.02	<5.0
MW-11	2/28/06	37000	3400	NS	19	NS
	5/30/07	FP	FP	FP	FP	NS
	10/23/07	FP	FP	FP	FP	NS
	2/27/08	FP	FP	FP	FP	NS

TABLE 3 CONTINUED
Additional Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	MTBE	Naphthalene	Lead	EDB	1,2 - Dichloroethane
RBSL	–	40	25	15	0.05	5
MW-12	2/28/06	22	1	NS	<0.02	NS
	5/30/07	CNL	CNL	CNL	CNL	NS
	10/23/07	CNL	CNL	CNL	CNL	NS
MW-13	5/30/07	<5.0	<5.0	54	<0.02	NS
	10/23/07	<5.0	6.3	<5.0	<0.02	NS
	2/27/08	<5.0	3.1	<5.0	<0.02	<5.0
MW-14	5/30/07	<5.0	<5.0	189	<0.02	NS
	10/23/07	<5.0	<5.0	22.5	<0.02	NS
	2/27/08	<5.0	<5.0	55.6	<0.02	<5.0
MW-15	5/30/07	980	830	94	23	NS
	10/23/07	FP	FP	FP	FP	NS
	2/27/08	FP	FP	FP	FP	NS
MW-16	5/30/07	<5.0	<5.0	37	<0.02	NS
	10/23/07	<5.0	5.7	10.2	<0.02	NS
	2/27/08	<5.0	4.1	12.0	<0.02	<5.0
MW-17	10/23/07	5380	<500	55.6	24.8	NS
	2/27/08	12200	784	8.7	37.1	<250
MW-18	10/23/07	1030	830	36.1	8.88	NS
	2/27/08	FP	FP	FP	FP	NS
MW-19	10/23/07	18500	1460	35.5	18.4	NS
	2/27/08	FP	FP	FP	FP	NS
MW-20	10/23/07	<5.0	<5.0	22.2	<0.02	NS
	2/27/08	<5.0	<5.0	74.8	<0.02	<5.0
MW-21	2/27/08	5.3	53.4	218	<0.02	<5.0
MW-22	2/27/08	12300	<2500	126	4.0	12.7
T-1	2/28/06	NS	NS	NS	NS	NS
	5/30/07	1500	280	<5.0	0.71	NS
	10/23/07	855	<25	34.3	0.10	NS
	2/27/08	232	21.8	5.8	<0.02	<5.0
T-2	10/23/07	<5.0	6.9	<5.0	<0.02	NS
	2/27/08	<5.0	3.5	<5.0	<0.02	<5.0



LEGEND

MW-1 MONITORING WELL

WW-1 SUPPLY WELL

KLM Environmental, LLC

Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

FIGURE 4
COC MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

Site Location: Corner Stop 28, 717 North Greenwood Ave., Ware Shoals, SC		Date: 1/22/08
Site Conditions: The site was found in good condition, with all areas around the tank basin clean and free of debris. The monitoring wells located on site were in excellent condition as well, with no damage to the pads or wells.		
AFVR Contractor: EFR Technologies, LLC	Field Personnel: KLM Environmental; Micah Bennett EFR Technologies, LLC	General Weather Conditions: Cloudy / Rain
Ambient Air Temperature: 44 F	Estimated Gallons of Product Removed: 7	Initial Product Thickness: MW-7 1.96 MW-11 0.53
Final Product Thickness: MW-7 : 0.00 feet of product MW-11 : 0.00 feet of product	AFVR Start Time: 9:00	AFVR End Time: 17:00

Time (Readings Every 30 Minutes)	Recovery Rate In Hg Vacuum	Stack Velocity MPH	Air Emission Conc. Measurements (ppm) (Carbon Filter on Exhaust Gas)*
900	-22	.8	892
930	-21	1.0	834
1000	-19	.9	856
1030	-19	.7	821
1100	-22	.9	864
1130	-19	.8	1032
1200	-19	.9	864
1230	-18	1.0	927
1300	-19	1.0	884
1330	-18	.9	882
1400	-18	1.1	951
1430	-18	1.0	755
1500	-18	.9	635
1530	-18	1.0	776
1600	-18	1.0	823
1630	-18	.9	841
1700	-18	1.0	796

	Start	End
MW-7	52.65 - 54.61	55.00
MW-11	57.71 - 58.24	59.71

31 gallons of product recovered; and 112 gallons of water and product

KLM Environmental, LLC
Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

AFVR Table
Corner Stop 28
717 N. Greenwood Ave.
Ware Shoals, SC
Site ID # 05659 1/22/08

US Water Recovery

05094

4593

Non-Hazardous Wastewater Manifest

Number:

1. Generator's EPA ID# (if applicable):

Waste ID Number:

2. Generator's Name and Mailing Address:
Corner stop 28
717 North Greenwood Ave
Ware shoals SC

Phone ( )

P O #:

3. Agent of Generator and Mailing Address:
KIM Environmental
P.O. Box 2704
Goose Creek SC

Phone (843) ~~906-8759~~ 820-4285

P O #:

4. Transporter Company Name:
EFR Technologies
118 spring hall dr suite E
Goose Creek SC

Phone (843) 906 8759

Truck & Trailer License Number:

5. Transporter U.S. EPA ID#:

6. Facility Name and Site Address:
U S Water Recovery
435 Old Mt. Holly Rd.
Mt. Holly, SC 29445

Phone: (843) 797-8674

Fax: (843) 797-2126

Mailing Address:
U S Water Recovery
511 Old Mt. Holly Rd.
Goose Creek, SC 29445

Phone: (843) 797-3111

Fax: (843) 797-0710

7. Facility U.S. EPA ID#:

Start Level:

End Level:

Total Gallons:
318 gallons of product

Tank Number

8. U.S. DOT Desciption	Container No.	Container Type	Unit	Quantity
a. Non-Hazardous, non-regulated waste water				~~[illegible]~~
				112

9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.

Printed/Typed Name: Mark Kellar

Signature: Mark Kellar

Date: 1-30-08

10. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: Jason Baetr

Signature: Jason Baetr

Date: 1-30-08

11. Discrepancy indication space:

12. Facility Owner or Operator: Certification of Receipt of Materials

Printed/Typed Name: D. Saville

Signature: D. Saville

Date: 2/4/8

White - Facility Yellow - Transporter Pink - Generator

3688

D H E C

PROMOTE PROTECT PROSPER

South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: 10 South Cardinal Drive
City: Wilmington State: NC Zip: 28406-3227
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop #28
Street Address: 717 North Greenwood Avenue
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-6R

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

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
See attached for detailed lithology	65	65
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW--21310

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

9. WELL DEPTH (completed) 65 ft. Date Started: 1/22/2008 Date Completed: 1/22/2008

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2" in. to 45 ft. depth
_____ in. to _____ ft. depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20.0
Set Between: 45 ft. and 65 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL 50.0 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 43.0 ft. to 65.0 lt.
Effective size #2 Uniformity Coefficient _____

16. **WELL GROUTED?** ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0.0 ft. to 40.0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 1/22/2008
Well Driller

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

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: 10 South Cardinal Drive
City: Wilmington State: NC Zip: 28406-3227
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop #28
Street Address: 717 North Greenwood Avenue
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-21

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

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
See attached for detailed lithology	65	65
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW--21310

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

9. WELL DEPTH (completed) 65 ft. Date Started: 1/22/2008 Date Completed: 1/22/2008

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2" in. to 45 ft. depth
_____ in. to _____ ft. depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20.0
Set Between: 45 ft. and 65 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL 50.0 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 43.0 ft. to 65.0 lt.
Effective size #2 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0.0 ft. to 40.0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A ☒ B ☐ C ☐ D ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 1/22/2008
Well Driller

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

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

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health and Environmental Control

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

1. WELL OWNER INFORMATION:
Name: Worsley Companies, Inc. (last) _____ (first)
Address: 10 South Cardinal Drive
City: Wilmington State: NC Zip: 28406-3227
Telephone. Work: _____ Home: _____

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Corner Stop #28
Street Address: 717 North Greenwood Avenue
City: Ware Shoals State: SC Zip: _____
Latitude: _____ Longitude: _____

3. PUBLIC SYSTEM NAME: _____ PUBLIC SYSTEM NUMBER: MW-22

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

Formation Description	• Thickness of Stratum	Depth to Bottom of Stratum
See attached for detailed lithology	65	65
• Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

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

7. PERMIT NUMBER: UMW--21310

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

9. WELL DEPTH (completed) 65 ft. Date Started: 1/22/2008 Date Completed: 1/22/2008

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
2" in. to 45 ft. depth
_____ in. to _____ ft. depth
Height Above ☐ Below ☐ Surface _____ ft
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 20.0
Set Between: 45 ft. and 65 ft
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL 50.0 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 43.0 ft. to 65.0 lt.
Effective size #2 Uniformity Coefficient _____

16. **WELL GROUTED?** ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0.0 ft. to 40.0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes 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: Jim A. Peurifoy CERT. NO.: 835
Address: (Print)
Cypress Bay Geological
262 Geology Lane
Walterboro, South Carolina 29488
Level A B C D ☒ ☐ ☐ ☐
Telephone No.: 843.908.5050 Fax No.: 843.538.4017

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

Signed: _____ Date: 1/22/2008
Well Driller

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

CYPRESS BAY℠ GEOLOGICAL
262 Geology Lane
Walterboro, South Carolina 29488
email: jpeurifoy@cypressbay.com
www.cypressbay.com
Office: 843.538.4017
Fax: 866.466.5658
Mobile: 843.908.5050
Pager: 843.908.5050

FIELD BORING LOG

Site:	Corner Stop 28			Boring Number:	MW-6R
Client:	Worsley Companies			Date:	1/22/08
Rig:	Drill	Drill Method:	Air Hammer	Driller/Crew:	Jim Peorifoy
Drill Start:		Drill End:		GW Level/Time:	

Depth	Description	SPT Blows	Comments
0 - 8 ft	Orange silty clay		
8 - 65 ft	Orangish grey rock with silt and clay		Terminated at 65 ft.

Form BL-1v1/2006

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www.cypressbay.com
Office: 843.538.4017
Fax: 866.466.5658
Mobile: 843.908.5050
Pager: 843.908.5050

FIELD BORING LOG

Site:	Corner Stop 28			Boring Number:	MW-21
Client:	Worsley Companies			Date:	1/22/08
Rig:	Drill	Drill Method:	Air Hammer	Driller/Crew:	Jim Peorifoy
Drill Start:		Drill End:		GW Level/Time:	

Depth	Description	SPT Blows	Comments
0 - 8 ft	Orange silty clay		
8 - 65 ft	Orangish grey rock with silt and clay		Terminated at 65 ft.

Form BL-1v1/2006

CYPRESS BAY℠ GEOLOGICAL
262 Geology Lane
Walterboro, South Carolina 29488
email: jpeurifoy@cypressbay.com
www.cypressbay.com
Office: 843.538.4017
Fax: 866.466.5658
Mobile: 843.908.5050
Pager: 843.908.5050

FIELD BORING LOG

Site:	Corner Stop 28			Boring Number:	MW-22
Client:	Worsley Companies			Date:	1/22/08
Rig:	Drill	Drill Method:	Air Hammer	Driller/Crew:	Jim Peorifoy
Drill Start:		Drill End:		GW Level/Time:	

Depth	Description	SPT Blows	Comments
0 - 8 ft	Orange silty clay		
8 - 65 ft	Orangish grey rock with silt and clay		Terminated at 65 ft.

Form BL-1v1/2006

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(704)875-9092

March 13, 2008

Mr. Mark Keller
KLM Environmental
PO Box 2704
Goose Creek, SC 29445

RE: Project: CORNER STOP 28
Pace Project No.: 9214513

Dear Mr. Keller:

Enclosed are the analytical results for sample(s) received by the laboratory on February 29, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

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

Sincerely,

Kevin Herring

Kevin Herring

kevin.herring@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: CORNER STOP 28
Pace Project No.: 9214513

Charlotte Certification IDs

Florida/NELAP Certification Number: E87627
Kansas Certification Number: E-10364
Louisiana/LELAP Certification Number: 04034
North Carolina Drinking Water Certification Number: 37706
North Carolina Wastewater Certification Number: 12
North Carolina Field Services Certification Number: 5342
South Carolina Certification Number: 990060001
South Carolina Bioassay Certification Number: 990060003
Tennessee Certification Number: 04010
Virginia Certification Number: 00213

Asheville Certification IDs

Florida/NELAP Certification Number: E87648
Louisiana/LELAP Certification Number: 03095
New Jersey Certification Number: NC011
North Carolina Drinking Water Certification Number: 37712
North Carolina Wastewater Certification Number: 40
North Carolina Bioassay Certification Number: 9
Pennsylvania Certification Number: 68-03578
South Carolina Certification Number: 99030001
South Carolina Bioassay Certification Number: 99030002
Tennessee Certification Number: 2980
Virginia Certification Number: 00072

Eden Certification IDs

North Carolina Drinking Water Certification Number: 37738
Virginia Drinking Water Certification Number: 00424
North Carolina Wastewater Certification Number: 633

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SAMPLE SUMMARY

Project: CORNER STOP 28
Pace Project No.: 9214513

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9214513001	**MW-2**	Water	02/27/08 11:00	02/29/08 10:00
9214513002	**MW-5**	Water	02/27/08 11:10	02/29/08 10:00
9214513003	**MW-6R**	Water	02/27/08 11:20	02/29/08 10:00
9214513004	**MW-9**	Water	02/27/08 11:30	02/29/08 10:00
9214513005	**MW-10**	Water	02/27/08 11:40	02/29/08 10:00
9214513006	**MW-13**	Water	02/27/08 11:50	02/29/08 10:00
9214513007	**MW-14**	Water	02/27/08 12:00	02/29/08 10:00
9214513008	**MW-16**	Water	02/27/08 12:10	02/29/08 10:00
9214513009	**MW-17**	Water	02/27/08 12:20	02/29/08 10:00
9214513010	**MW-20**	Water	02/27/08 12:30	02/29/08 10:00
9214513011	**MW-21**	Water	02/27/08 12:40	02/29/08 10:00
9214513012	**MW-22**	Water	02/27/08 12:50	02/29/08 10:00
9214513013	**TW-1**	Water	02/27/08 13:20	02/29/08 10:00
9214513014	**TW-2**	Water	02/27/08 13:50	02/29/08 10:00

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SAMPLE ANALYTE COUNT

Project: CORNER STOP 28
Pace Project No.: 9214513

Lab ID	Sample ID	Method	Analysts	Analytes Reported
9214513001	MW-2	EPA 6010	SHB	1
		EPA 8011	CAH	2
		EPA 8260	DLK	13
9214513002	MW-5	EPA 6010	SHB	1
		EPA 8011	CAH	2
		EPA 8260	DLK, MCK	13
9214513003	MW-6R	EPA 6010	SHB	1
		EPA 8011	CAH	2
		EPA 8260	DLK	13
9214513004	MW-9	EPA 6010	SHB	1
		EPA 8011	CAH	2
		EPA 8260	DLK	13
9214513005	MW-10	EPA 6010	SHB	1
		EPA 8011	CAH	2
		EPA 8260	DLK	13
9214513006	MW-13	EPA 6010	SHB	1
		EPA 8011	CAH	2
		EPA 8260	DLK	13
9214513007	MW-14	EPA 6010	SHB	1
		EPA 8011	CAH	2
		EPA 8260	DLK	13
9214513008	MW-16	EPA 6010	SHB	1
		EPA 8011	CAH	2
		EPA 8260	DLK	13
9214513009	MW-17	EPA 6010	SHB	1
		EPA 8011	CAH	2
		EPA 8260	DJM, MCK	13
9214513010	MW-20	EPA 6010	SHB	1
		EPA 8011	CAH	2
		EPA 8260	MCK	13
9214513011	MW-21	EPA 6010	SHB	1
		EPA 8011	CAH	2
		EPA 8260	MCK	13
9214513012	MW-22	EPA 6010	SHB	1
		EPA 8011	CAH	2
		EPA 8260	MCK	13
9214513013	TW-1	EPA 6010	SHB	1

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SAMPLE ANALYTE COUNT

Project: CORNER STOP 28
Pace Project No.: 9214513

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 8011	CAH	2
		EPA 8260	MCK	13
9214513014	**TW-2**	EPA 6010	SHB	1
		EPA 8011	CAH	2
		EPA 8260	MCK	13

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9214513

Sample: MW-2 **Lab ID: 9214513001** Collected: 02/27/08 11:00 Received: 02/29/08 10:00 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)	**12.6**	ug/L	4.0	4.0	200	03/05/08 00:00	03/12/08 00:55	106-93-4	
1-Chloro-2-bromopropane (S)	0	%	60-140		200	03/05/08 00:00	03/12/08 00:55	301-79-56	S4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	03/03/08 12:18	03/03/08 19:37	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**2770**	ug/L	1000	240	200		03/07/08 06:14	71-43-2	
1,2-Dichloroethane	ND	ug/L	1000	260	200		03/07/08 06:14	107-06-2	
Ethylbenzene	**3670**	ug/L	1000	220	200		03/07/08 06:14	100-41-4	
Methyl-tert-butyl ether	**4040**	ug/L	1000	400	200		03/07/08 06:14	1634-04-4	
Naphthalene	**991J**	ug/L	1000	580	200		03/07/08 06:14	91-20-3	
Toluene	**28600**	ug/L	1000	360	200		03/07/08 06:14	108-88-3	
Xylene (Total)	**20000**	ug/L	2000	540	200		03/07/08 06:14	1330-20-7	
m&p-Xylene	**13500**	ug/L	2000	540	200		03/07/08 06:14	1330-20-7	
o-Xylene	**6770**	ug/L	1000	340	200		03/07/08 06:14	95-47-6	
4-Bromofluorobenzene (S)	103	%	87-109		200		03/07/08 06:14	460-00-4	
Dibromofluoromethane (S)	98	%	85-115		200		03/07/08 06:14	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120		200		03/07/08 06:14	17060-07-0	
Toluene-d8 (S)	100	%	70-120		200		03/07/08 06:14	2037-26-5	

Sample: MW-5 **Lab ID: 9214513002** Collected: 02/27/08 11:10 Received: 02/29/08 10:00 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	03/05/08 00:00	03/12/08 01:08	106-93-4	
1-Chloro-2-bromopropane (S)	106	%	60-140		1	03/05/08 00:00	03/12/08 01:08	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	03/03/08 12:18	03/03/08 19:41	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**482**	ug/L	125	30.0	25		03/09/08 13:13	71-43-2	
1,2-Dichloroethane	ND	ug/L	25.0	6.5	5		03/06/08 07:40	107-06-2	
Ethylbenzene	**25.4**	ug/L	25.0	5.5	5		03/06/08 07:40	100-41-4	
Methyl-tert-butyl ether	**557**	ug/L	125	50.0	25		03/09/08 13:13	1634-04-4	
Naphthalene	**34.8**	ug/L	25.0	14.5	5		03/06/08 07:40	91-20-3	
Toluene	**614**	ug/L	25.0	9.0	5		03/06/08 07:40	108-88-3	
Xylene (Total)	**1110**	ug/L	50.0	13.5	5		03/06/08 07:40	1330-20-7	
m&p-Xylene	**768**	ug/L	50.0	13.5	5		03/06/08 07:40	1330-20-7	
o-Xylene	**372**	ug/L	25.0	8.5	5		03/06/08 07:40	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109		5		03/06/08 07:40	460-00-4	
Dibromofluoromethane (S)	96	%	85-115		5		03/06/08 07:40	1868-53-7	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9214513

Sample: MW-5 **Lab ID: 9214513002** Collected: 02/27/08 11:10 Received: 02/29/08 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2-Dichloroethane-d4 (S)	97	%	79-120		5		03/06/08 07:40	17060-07-0	
Toluene-d8 (S)	100	%	70-120		5		03/06/08 07:40	2037-26-5	

Sample: MW-6R **Lab ID: 9214513003** Collected: 02/27/08 11:20 Received: 02/29/08 10:00 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	03/05/08 00:00	03/10/08 08:26	106-93-4	
1-Chloro-2-bromopropane (S)	110	%	60-140		1	03/05/08 00:00	03/10/08 08:26	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**340**	ug/L	5.0	4.0	1	03/03/08 12:18	03/03/08 19:45	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**4470**	ug/L	1000	240	200		03/07/08 07:27	71-43-2	
1,2-Dichloroethane	ND	ug/L	50.0	13.0	10		03/06/08 09:03	107-06-2	
Ethylbenzene	**2300**	ug/L	1000	220	200		03/07/08 07:27	100-41-4	
Methyl-tert-butyl ether	**85.9**	ug/L	50.0	20.0	10		03/06/08 09:03	1634-04-4	
Naphthalene	**351**	ug/L	50.0	29.0	10		03/06/08 09:03	91-20-3	
Toluene	**19500**	ug/L	1000	360	200		03/07/08 07:27	108-88-3	
Xylene (Total)	**9800**	ug/L	2000	540	200		03/07/08 07:27	1330-20-7	
m&p-Xylene	**6570**	ug/L	2000	540	200		03/07/08 07:27	1330-20-7	
o-Xylene	**3670**	ug/L	1000	340	200		03/07/08 07:27	95-47-6	
4-Bromofluorobenzene (S)	101	%	87-109		10		03/06/08 09:03	460-00-4	
Dibromofluoromethane (S)	98	%	85-115		10		03/06/08 09:03	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	79-120		10		03/06/08 09:03	17060-07-0	
Toluene-d8 (S)	100	%	70-120		10		03/06/08 09:03	2037-26-5	

Sample: MW-9 **Lab ID: 9214513004** Collected: 02/27/08 11:30 Received: 02/29/08 10:00 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	03/05/08 00:00	03/10/08 08:40	106-93-4	
1-Chloro-2-bromopropane (S)	90	%	60-140		1	03/05/08 00:00	03/10/08 08:40	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	03/03/08 12:18	03/03/08 19:49	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**1.3J**	ug/L	5.0	1.2	1		03/06/08 06:03	71-43-2	

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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9214513

Sample: MW-9 **Lab ID: 9214513004** Collected: 02/27/08 11:30 Received: 02/29/08 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		03/06/08 06:03	107-06-2	
Ethylbenzene	**8.4**	ug/L	5.0	1.1	1		03/06/08 06:03	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.0	1		03/06/08 06:03	1634-04-4	
Naphthalene	**8.6**	ug/L	5.0	2.9	1		03/06/08 06:03	91-20-3	
Toluene	**29.0**	ug/L	5.0	1.8	1		03/06/08 06:03	108-88-3	
Xylene (Total)	**45.4**	ug/L	10.0	2.7	1		03/06/08 06:03	1330-20-7	
m&p-Xylene	**30.9**	ug/L	10.0	2.7	1		03/06/08 06:03	1330-20-7	
o-Xylene	**14.4**	ug/L	5.0	1.7	1		03/06/08 06:03	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109		1		03/06/08 06:03	460-00-4	
Dibromofluoromethane (S)	99	%	85-115		1		03/06/08 06:03	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	79-120		1		03/06/08 06:03	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		03/06/08 06:03	2037-26-5	

Sample: MW-10 **Lab ID: 9214513005** Collected: 02/27/08 11:40 Received: 02/29/08 10:00 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	03/05/08 00:00	03/10/08 08:53	106-93-4	
1-Chloro-2-bromopropane (S)	91	%	60-140		1	03/05/08 00:00	03/10/08 08:53	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	03/03/08 12:18	03/03/08 19:53	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**3.7J**	ug/L	5.0	1.2	1		03/06/08 06:21	71-43-2	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		03/06/08 06:21	107-06-2	
Ethylbenzene	**34.3**	ug/L	5.0	1.1	1		03/06/08 06:21	100-41-4	
Methyl-tert-butyl ether	**2.1J**	ug/L	5.0	2.0	1		03/06/08 06:21	1634-04-4	
Naphthalene	**43.2**	ug/L	5.0	2.9	1		03/06/08 06:21	91-20-3	
Toluene	**106**	ug/L	5.0	1.8	1		03/06/08 06:21	108-88-3	
Xylene (Total)	**215**	ug/L	10.0	2.7	1		03/06/08 06:21	1330-20-7	
m&p-Xylene	**146**	ug/L	10.0	2.7	1		03/06/08 06:21	1330-20-7	
o-Xylene	**69.4**	ug/L	5.0	1.7	1		03/06/08 06:21	95-47-6	
4-Bromofluorobenzene (S)	100	%	87-109		1		03/06/08 06:21	460-00-4	
Dibromofluoromethane (S)	98	%	85-115		1		03/06/08 06:21	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	79-120		1		03/06/08 06:21	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		03/06/08 06:21	2037-26-5	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9214513

Sample: MW-13 **Lab ID: 9214513006** Collected: 02/27/08 11:50 Received: 02/29/08 10:00 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	03/05/08 00:00	03/10/08 09:06	106-93-4	
1-Chloro-2-bromopropane (S)	90	%	60-140		1	03/05/08 00:00	03/10/08 09:06	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	03/03/08 12:18	03/03/08 19:56	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**6.4**	ug/L	5.0	1.2	1		03/06/08 06:40	71-43-2	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		03/06/08 06:40	107-06-2	
Ethylbenzene	ND	ug/L	5.0	1.1	1		03/06/08 06:40	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.0	1		03/06/08 06:40	1634-04-4	
Naphthalene	**3.1J**	ug/L	5.0	2.9	1		03/06/08 06:40	91-20-3	
Toluene	ND	ug/L	5.0	1.8	1		03/06/08 06:40	108-88-3	
Xylene (Total)	**4.6J**	ug/L	10.0	2.7	1		03/06/08 06:40	1330-20-7	
m&p-Xylene	**2.7J**	ug/L	10.0	2.7	1		03/06/08 06:40	1330-20-7	
o-Xylene	**1.9J**	ug/L	5.0	1.7	1		03/06/08 06:40	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109		1		03/06/08 06:40	460-00-4	
Dibromofluoromethane (S)	98	%	85-115		1		03/06/08 06:40	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	79-120		1		03/06/08 06:40	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		03/06/08 06:40	2037-26-5	

Sample: MW-14 **Lab ID: 9214513007** Collected: 02/27/08 12:00 Received: 02/29/08 10:00 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	03/06/08 00:00	03/09/08 14:58	106-93-4	
1-Chloro-2-bromopropane (S)	74	%	60-140		1	03/06/08 00:00	03/09/08 14:58	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**55.6**	ug/L	5.0	4.0	1	03/03/08 12:18	03/03/08 20:00	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	ND	ug/L	5.0	1.2	1		03/06/08 06:58	71-43-2	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		03/06/08 06:58	107-06-2	
Ethylbenzene	ND	ug/L	5.0	1.1	1		03/06/08 06:58	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.0	1		03/06/08 06:58	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.9	1		03/06/08 06:58	91-20-3	
Toluene	ND	ug/L	5.0	1.8	1		03/06/08 06:58	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		03/06/08 06:58	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	2.7	1		03/06/08 06:58	1330-20-7	
o-Xylene	ND	ug/L	5.0	1.7	1		03/06/08 06:58	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109		1		03/06/08 06:58	460-00-4	
Dibromofluoromethane (S)	98	%	85-115		1		03/06/08 06:58	1868-53-7	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9214513

Sample: MW-14 **Lab ID: 9214513007** Collected: 02/27/08 12:00 Received: 02/29/08 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2-Dichloroethane-d4 (S)	98	%	79-120		1		03/06/08 06:58	17060-07-0	
Toluene-d8 (S)	98	%	70-120		1		03/06/08 06:58	2037-26-5	

Sample: MW-16 **Lab ID: 9214513008** Collected: 02/27/08 12:10 Received: 02/29/08 10:00 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	03/06/08 00:00	03/09/08 15:37	106-93-4	
1-Chloro-2-bromopropane (S)	98	%	60-140		1	03/06/08 00:00	03/09/08 15:37	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**12.0**	ug/L	5.0	4.0	1	03/03/08 12:18	03/03/08 20:04	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**1.7J**	ug/L	5.0	1.2	1		03/07/08 06:32	71-43-2	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		03/07/08 06:32	107-06-2	
Ethylbenzene	**8.5**	ug/L	5.0	1.1	1		03/07/08 06:32	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.0	1		03/07/08 06:32	1634-04-4	
Naphthalene	**4.1J**	ug/L	5.0	2.9	1		03/07/08 06:32	91-20-3	
Toluene	**30.1**	ug/L	5.0	1.8	1		03/07/08 06:32	108-88-3	
Xylene (Total)	**44.9**	ug/L	10.0	2.7	1		03/07/08 06:32	1330-20-7	
m&p-Xylene	**32.0**	ug/L	10.0	2.7	1		03/07/08 06:32	1330-20-7	
o-Xylene	**14.9**	ug/L	5.0	1.7	1		03/07/08 06:32	95-47-6	
4-Bromofluorobenzene (S)	100	%	87-109		1		03/07/08 06:32	460-00-4	
Dibromofluoromethane (S)	95	%	85-115		1		03/07/08 06:32	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	79-120		1		03/07/08 06:32	17060-07-0	
Toluene-d8 (S)	98	%	70-120		1		03/07/08 06:32	2037-26-5	

Sample: MW-17 **Lab ID: 9214513009** Collected: 02/27/08 12:20 Received: 02/29/08 10:00 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)	**37.1**	ug/L	10.0	10.0	500	03/06/08 00:00	03/12/08 01:21	106-93-4	
1-Chloro-2-bromopropane (S)	0	%	60-140		500	03/06/08 00:00	03/12/08 01:21	301-79-56	S4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**8.2**	ug/L	5.0	4.0	1	03/03/08 12:18	03/03/08 20:07	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**4810**	ug/L	250	60.0	50		03/07/08 11:45	71-43-2	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9214513

Sample: MW-17 **Lab ID: 9214513009** Collected: 02/27/08 12:20 Received: 02/29/08 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2-Dichloroethane	ND	ug/L	250	65.0	50		03/07/08 11:45	107-06-2	
Ethylbenzene	**2450**	ug/L	250	55.0	50		03/07/08 11:45	100-41-4	
Methyl-tert-butyl ether	**12200**	ug/L	1000	400	200		03/09/08 14:02	1634-04-4	
Naphthalene	**764**	ug/L	250	145	50		03/07/08 11:45	91-20-3	
Toluene	**15900**	ug/L	1000	360	200		03/09/08 14:02	108-88-3	
Xylene (Total)	**14200**	ug/L	500	135	50		03/07/08 11:45	1330-20-7	
m&p-Xylene	**9900**	ug/L	500	135	50		03/07/08 11:45	1330-20-7	
o-Xylene	**3950**	ug/L	250	85.0	50		03/07/08 11:45	95-47-6	
4-Bromofluorobenzene (S)	101	%	87-109		50		03/07/08 11:45	460-00-4	
Dibromofluoromethane (S)	94	%	85-115		50		03/07/08 11:45	1868-53-7	
1,2-Dichloroethane-d4 (S)	93	%	79-120		50		03/07/08 11:45	17060-07-0	
Toluene-d8 (S)	100	%	70-120		50		03/07/08 11:45	2037-26-5	

Sample: MW-20 **Lab ID: 9214513010** Collected: 02/27/08 12:30 Received: 02/29/08 10:00 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	03/06/08 00:00	03/09/08 16:17	106-93-4	
1-Chloro-2-bromopropane (S)	85	%	60-140		1	03/06/08 00:00	03/09/08 16:17	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**74.6**	ug/L	5.0	4.0	1	03/03/08 12:18	03/03/08 20:18	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	ND	ug/L	5.0	1.2	1		03/05/08 19:32	71-43-2	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		03/05/08 19:32	107-06-2	
Ethylbenzene	ND	ug/L	5.0	1.1	1		03/05/08 19:32	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.0	1		03/05/08 19:32	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.9	1		03/05/08 19:32	91-20-3	
Toluene	ND	ug/L	5.0	1.8	1		03/05/08 19:32	108-88-3	
Xylene (Total)	ND	ug/L	10.0	2.7	1		03/05/08 19:32	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	2.7	1		03/05/08 19:32	1330-20-7	
o-Xylene	ND	ug/L	5.0	1.7	1		03/05/08 19:32	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109		1		03/05/08 19:32	460-00-4	
Dibromofluoromethane (S)	97	%	85-115		1		03/05/08 19:32	1868-53-7	
1,2-Dichloroethane-d4 (S)	95	%	79-120		1		03/05/08 19:32	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		03/05/08 19:32	2037-26-5	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9214513

Sample: MW-21 **Lab ID: 9214513011** Collected: 02/27/08 12:40 Received: 02/29/08 10:00 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	03/06/08 00:00	03/09/08 16:30	106-93-4	
1-Chloro-2-bromopropane (S)	82	%	60-140		1	03/06/08 00:00	03/09/08 16:30	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**218**	ug/L	5.0	4.0	1	03/03/08 12:18	03/03/08 20:22	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**123**	ug/L	5.0	1.2	1		03/05/08 19:56	71-43-2	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		03/05/08 19:56	107-06-2	
Ethylbenzene	**15.3**	ug/L	5.0	1.1	1		03/05/08 19:56	100-41-4	
Methyl-tert-butyl ether	**8.3**	ug/L	5.0	2.0	1		03/05/08 19:56	1634-04-4	
Naphthalene	**53.4**	ug/L	5.0	2.9	1		03/05/08 19:56	91-20-3	
Toluene	**23.0**	ug/L	5.0	1.8	1		03/05/08 19:56	108-88-3	
Xylene (Total)	**569**	ug/L	10.0	2.7	1		03/05/08 19:56	1330-20-7	
m&p-Xylene	**334**	ug/L	10.0	2.7	1		03/05/08 19:56	1330-20-7	
o-Xylene	**274**	ug/L	25.0	8.5	5		03/08/08 03:31	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109		1		03/05/08 19:56	460-00-4	
Dibromofluoromethane (S)	98	%	85-115		1		03/05/08 19:56	1868-53-7	
1,2-Dichloroethane-d4 (S)	96	%	79-120		1		03/05/08 19:56	17060-07-0	
Toluene-d8 (S)	101	%	70-120		1		03/05/08 19:56	2037-26-5	

Sample: MW-22 **Lab ID: 9214513012** Collected: 02/27/08 12:50 Received: 02/29/08 10:00 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)	**4.0**	ug/L	1.0	1.0	50	03/06/08 00:00	03/12/08 01:34	106-93-4	
1-Chloro-2-bromopropane (S)	0	%	60-140		50	03/06/08 00:00	03/12/08 01:34	301-79-56	S4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**128**	ug/L	5.0	4.0	1	03/03/08 12:18	03/03/08 20:26	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**9410**	ug/L	2500	600	500		03/08/08 12:08	71-43-2	
1,2-Dichloroethane	**12.7**	ug/L	5.0	1.3	1		03/05/08 20:20	107-06-2	
Ethylbenzene	**4050**	ug/L	2500	550	500		03/08/08 12:08	100-41-4	
Methyl-tert-butyl ether	**12300**	ug/L	2500	1000	500		03/08/08 12:08	1634-04-4	
Naphthalene	ND	ug/L	2500	1450	500		03/08/08 12:08	91-20-3	
Toluene	**45300**	ug/L	2500	900	500		03/08/08 12:08	108-88-3	
Xylene (Total)	**21000**	ug/L	5000	1350	500		03/08/08 12:08	1330-20-7	
m&p-Xylene	**14800**	ug/L	5000	1350	500		03/08/08 12:08	1330-20-7	
o-Xylene	**7030**	ug/L	2500	850	500		03/08/08 12:08	95-47-6	
4-Bromofluorobenzene (S)	118	%	87-109		1		03/05/08 20:20	460-00-4	S2
Dibromofluoromethane (S)	94	%	85-115		1		03/05/08 20:20	1868-53-7	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9214513

Sample: MW-22 **Lab ID: 9214513012** Collected: 02/27/08 12:50 Received: 02/29/08 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2-Dichloroethane-d4 (S)	103	%	79-120		1		03/05/08 20:20	17060-07-0	
Toluene-d8 (S)	36	%	70-120		1		03/05/08 20:20	2037-26-5	S2

Sample: TW-1 **Lab ID: 9214513013** Collected: 02/27/08 13:20 Received: 02/29/08 10:00 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	03/06/08 00:00	03/09/08 16:56	106-93-4	
1-Chloro-2-bromopropane (S)	49	%	60-140		1	03/06/08 00:00	03/09/08 16:56	301-79-56	1g
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**5.8**	ug/L	5.0	4.0	1	03/03/08 12:18	03/03/08 20:30	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**5.4**	ug/L	5.0	1.2	1		03/05/08 20:43	71-43-2	
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		03/05/08 20:43	107-06-2	
Ethylbenzene	**3.9J**	ug/L	5.0	1.1	1		03/05/08 20:43	100-41-4	
Methyl-tert-butyl ether	**232**	ug/L	10.0	4.0	2		03/08/08 02:38	1634-04-4	
Naphthalene	**21.8**	ug/L	5.0	2.9	1		03/05/08 20:43	91-20-3	
Toluene	**28.0**	ug/L	5.0	1.8	1		03/05/08 20:43	108-88-3	
Xylene (Total)	**21.4**	ug/L	10.0	2.7	1		03/05/08 20:43	1330-20-7	
m&p-Xylene	**14.9**	ug/L	10.0	2.7	1		03/05/08 20:43	1330-20-7	
o-Xylene	**7.4**	ug/L	5.0	1.7	1		03/05/08 20:43	95-47-6	
4-Bromofluorobenzene (S)	100	%	87-109		1		03/05/08 20:43	460-00-4	
Dibromofluoromethane (S)	92	%	85-115		1		03/05/08 20:43	1868-53-7	
1,2-Dichloroethane-d4 (S)	90	%	79-120		1		03/05/08 20:43	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		03/05/08 20:43	2037-26-5	

Sample: TW-2 **Lab ID: 9214513014** Collected: 02/27/08 13:50 Received: 02/29/08 10:00 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	03/06/08 00:00	03/09/08 17:09	106-93-4	
1-Chloro-2-bromopropane (S)	82	%	60-140		1	03/06/08 00:00	03/09/08 17:09	301-79-56	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	4.0	1	03/03/08 12:18	03/03/08 20:34	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	ND	ug/L	5.0	1.2	1		03/05/08 21:07	71-43-2	

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ANALYTICAL RESULTS

Project: CORNER STOP 28
Pace Project No.: 9214513

Sample: TW-2 **Lab ID: 9214513014** Collected: 02/27/08 13:50 Received: 02/29/08 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2-Dichloroethane	ND	ug/L	5.0	1.3	1		03/05/08 21:07	107-06-2	
Ethylbenzene	ND	ug/L	5.0	1.1	1		03/05/08 21:07	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.0	1		03/05/08 21:07	1634-04-4	
Naphthalene	**3.5J**	ug/L	5.0	2.9	1		03/05/08 21:07	91-20-3	
Toluene	**7.1**	ug/L	5.0	1.8	1		03/05/08 21:07	108-88-3	
Xylene (Total)	**5.3J**	ug/L	10.0	2.7	1		03/05/08 21:07	1330-20-7	
m&p-Xylene	**4.0J**	ug/L	10.0	2.7	1		03/05/08 21:07	1330-20-7	
o-Xylene	ND	ug/L	5.0	1.7	1		03/05/08 21:07	95-47-6	
4-Bromofluorobenzene (S)	101	%	87-109		1		03/05/08 21:07	460-00-4	
Dibromofluoromethane (S)	93	%	85-115		1		03/05/08 21:07	1868-53-7	
1,2-Dichloroethane-d4 (S)	91	%	79-120		1		03/05/08 21:07	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		03/05/08 21:07	2037-26-5	

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9214513

QC Batch: MPRP/1950 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 9214513001, 9214513002, 9214513003, 9214513004, 9214513005, 9214513006, 9214513007, 9214513008, 9214513009, 9214513010, 9214513011, 9214513012, 9214513013, 9214513014

METHOD BLANK: 83579
Associated Lab Samples: 9214513001, 9214513002, 9214513003, 9214513004, 9214513005, 9214513006, 9214513007, 9214513008, 9214513009, 9214513010, 9214513011, 9214513012, 9214513013, 9214513014

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Lead	ug/L	ND	5.0	

LABORATORY CONTROL SAMPLE: 83580

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	545	109	80-120	

MATRIX SPIKE SAMPLE: 83581

Parameter	Units	9214532027 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	ND	500	534	106	75-125	

SAMPLE DUPLICATE: 83582

Parameter	Units	9214532028 Result	Dup Result	RPD	Max RPD	Qualifiers
Lead	ug/L	ND	ND	0	20	

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9214513

QC Batch: OEXT/2568 — Analysis Method: EPA 8011
QC Batch Method: EPA 8011 — Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 9214513001, 9214513002, 9214513003, 9214513004, 9214513005, 9214513006

METHOD BLANK: 84485
Associated Lab Samples: 9214513001, 9214513002, 9214513003, 9214513004, 9214513005, 9214513006

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	
1-Chloro-2-bromopropane (S)	%	85	60-140	

LABORATORY CONTROL SAMPLE & LCSD: 84486 84487

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.29	0.28	0.29	98	100	60-140	2	20	
1-Chloro-2-bromopropane (S)	%				93	94	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 84488 84489

Parameter	Units	9214499009 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	.29	.29	0.26	0.26	92	92	60-140	0	20	
1-Chloro-2-bromopropane (S)	%						97	98	60-140			

SAMPLE DUPLICATE: 84490

Parameter	Units	9214499010 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND	0	20	
1-Chloro-2-bromopropane (S)	%		94	10		

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9214513

QC Batch: MSV/2716 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 9214513010, 9214513011, 9214513012, 9214513013, 9214513014

METHOD BLANK: 84550

Associated Lab Samples: 9214513010, 9214513011, 9214513012, 9214513013, 9214513014

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	
Benzene	ug/L	ND	5.0	
Ethylbenzene	ug/L	ND	5.0	
m&p-Xylene	ug/L	ND	10.0	
Methyl-tert-butyl ether	ug/L	ND	5.0	
Naphthalene	ug/L	ND	5.0	
o-Xylene	ug/L	ND	5.0	
Toluene	ug/L	ND	5.0	
Xylene (Total)	ug/L	ND	10.0	
1,2-Dichloroethane-d4 (S)	%	95	79-120	
4-Bromofluorobenzene (S)	%	98	87-109	
Dibromofluoromethane (S)	%	96	85-115	
Toluene-d8 (S)	%	99	70-120	

LABORATORY CONTROL SAMPLE: 84551

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	48.2	96	72-126	
Benzene	ug/L	50	53.2	106	78-128	
Ethylbenzene	ug/L	50	52.6	105	80-127	
m&p-Xylene	ug/L	100	106	106	82-127	
Methyl-tert-butyl ether	ug/L	50	51.7	103	71-130	
Naphthalene	ug/L	50	59.0	118	52-136	
o-Xylene	ug/L	50	51.3	103	83-124	
Toluene	ug/L	50	52.5	105	76-126	
Xylene (Total)	ug/L	150	156	104	83-125	
1,2-Dichloroethane-d4 (S)	%			101	79-120	
4-Bromofluorobenzene (S)	%			98	87-109	
Dibromofluoromethane (S)	%			98	85-115	
Toluene-d8 (S)	%			101	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 84776 84777

Parameter	Units	9214513014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	50	50	47.5	60.2	93	119	74-136	24	30	
Toluene	ug/L	7.1	50	50	48.8	60.0	83	106	73-131	21	30	
1,2-Dichloroethane-d4 (S)	%						89	90	79-120			
4-Bromofluorobenzene (S)	%						101	101	87-109			
Dibromofluoromethane (S)	%						91	91	85-115			

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9214513

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 84776 84777

Parameter	Units	9214513014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Toluene-d8 (S)	%						100	100	70-120			

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9214513

QC Batch: MSV/2719
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Associated Lab Samples: 9214513001, 9214513004

METHOD BLANK: 84631
Associated Lab Samples: 9214513001, 9214513004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	
Benzene	ug/L	ND	5.0	
Ethylbenzene	ug/L	ND	5.0	
m&p-Xylene	ug/L	ND	10.0	
Methyl-tert-butyl ether	ug/L	ND	5.0	
Naphthalene	ug/L	ND	5.0	
o-Xylene	ug/L	ND	5.0	
Toluene	ug/L	ND	5.0	
Xylene (Total)	ug/L	ND	10.0	
1,2-Dichloroethane-d4 (S)	%	98	79-120	
4-Bromofluorobenzene (S)	%	97	87-109	
Dibromofluoromethane (S)	%	99	85-115	
Toluene-d8 (S)	%	100	70-120	

LABORATORY CONTROL SAMPLE: 84632

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	46.2	92	72-126	
Benzene	ug/L	50	48.2	96	78-128	
Ethylbenzene	ug/L	50	48.7	97	80-127	
m&p-Xylene	ug/L	100	96.7	97	82-127	
Methyl-tert-butyl ether	ug/L	50	48.0	96	71-130	
Naphthalene	ug/L	50	56.4	113	52-136	
o-Xylene	ug/L	50	47.1	94	83-124	
Toluene	ug/L	50	48.5	97	76-126	
Xylene (Total)	ug/L	150	143	95	83-125	
1,2-Dichloroethane-d4 (S)	%			97	79-120	
4-Bromofluorobenzene (S)	%			100	87-109	
Dibromofluoromethane (S)	%			99	85-115	
Toluene-d8 (S)	%			100	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 84633 84634

Parameter	Units	9214513004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	1.3J	50	50	59.1	58.8	116	115	74-136	.6	30	
Toluene	ug/L	29.0	50	50	86.8	85.9	116	114	73-131	1	30	
1,2-Dichloroethane-d4 (S)	%						97	98	79-120			
4-Bromofluorobenzene (S)	%						98	99	87-109			
Dibromofluoromethane (S)	%						96	99	85-115			

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9214513

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 84633 84634

Parameter	Units	9214513004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Toluene-d8 (S)	%						99	100	70-120			

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9214513

QC Batch: MSV/2720 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 9214513002, 9214513003, 9214513005, 9214513006, 9214513007, 9214513008

METHOD BLANK: 84637

Associated Lab Samples: 9214513002, 9214513003, 9214513005, 9214513006, 9214513007, 9214513008

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	
Benzene	ug/L	ND	5.0	
Ethylbenzene	ug/L	ND	5.0	
m&p-Xylene	ug/L	ND	10.0	
Methyl-tert-butyl ether	ug/L	ND	5.0	
Naphthalene	ug/L	ND	5.0	
o-Xylene	ug/L	ND	5.0	
Toluene	ug/L	ND	5.0	
Xylene (Total)	ug/L	ND	10.0	
1,2-Dichloroethane-d4 (S)	%	98	79-120	
4-Bromofluorobenzene (S)	%	98	87-109	
Dibromofluoromethane (S)	%	98	85-115	
Toluene-d8 (S)	%	99	70-120	

LABORATORY CONTROL SAMPLE: 84638

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	52.3	105	72-126	
Benzene	ug/L	50	54.2	108	78-128	
Ethylbenzene	ug/L	50	55.4	111	80-127	
m&p-Xylene	ug/L	100	110	110	82-127	
Methyl-tert-butyl ether	ug/L	50	54.0	108	71-130	
Naphthalene	ug/L	50	64.6	129	52-136	
o-Xylene	ug/L	50	54.1	108	83-124	
Toluene	ug/L	50	54.7	109	76-126	
Xylene (Total)	ug/L	150	163	108	83-125	
1,2-Dichloroethane-d4 (S)	%			99	79-120	
4-Bromofluorobenzene (S)	%			99	87-109	
Dibromofluoromethane (S)	%			102	85-115	
Toluene-d8 (S)	%			99	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 85352 85353

Parameter	Units	9214513006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	6.4	50	50	45.5	53.8	78	95	74-136	17	30	
Toluene	ug/L	ND	50	50	39.0	46.7	78	93	73-131	18	30	
1,2-Dichloroethane-d4 (S)	%						96	98	79-120			
4-Bromofluorobenzene (S)	%						101	100	87-109			
Dibromofluoromethane (S)	%						96	96	85-115			

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9214513

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 85352 85353

Parameter	Units	9214513006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Toluene-d8 (S)	%						99	100	70-120			

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QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9214513

QC Batch: OEXT/2575 — Analysis Method: EPA 8011
QC Batch Method: EPA 8011 — Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 9214513007, 9214513008, 9214513009, 9214513010, 9214513011, 9214513012, 9214513013, 9214513014

METHOD BLANK: 85000
Associated Lab Samples: 9214513007, 9214513008, 9214513009, 9214513010, 9214513011, 9214513012, 9214513013, 9214513014

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	
1-Chloro-2-bromopropane (S)	%	100	60-140	

LABORATORY CONTROL SAMPLE & LCSD: 85001 85002

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.29	0.30	0.33	104	116	60-140	11	20	
1-Chloro-2-bromopropane (S)	%				97	104	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 85003 85004

Parameter	Units	9214513007 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	.29	.29	0.26	0.27	92	96	60-140	4	20	
1-Chloro-2-bromopropane (S)	%						84	86	60-140			

SAMPLE DUPLICATE: 85005

Parameter	Units	9214513008 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND	0	20	
1-Chloro-2-bromopropane (S)	%		99	2		

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ACCREDITED IN ACCORDANCE WITH nelac

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

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

QUALITY CONTROL DATA

Project: CORNER STOP 28
Pace Project No.: 9214513

QC Batch: MSV/2728
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Associated Lab Samples: 9214513009

METHOD BLANK: 85055
Associated Lab Samples: 9214513009

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	
Benzene	ug/L	ND	5.0	
Ethylbenzene	ug/L	ND	5.0	
m&p-Xylene	ug/L	ND	10.0	
Methyl-tert-butyl ether	ug/L	ND	5.0	
Naphthalene	ug/L	ND	5.0	
o-Xylene	ug/L	ND	5.0	
Toluene	ug/L	ND	5.0	
Xylene (Total)	ug/L	ND	10.0	
1,2-Dichloroethane-d4 (S)	%	90	79-120	
4-Bromofluorobenzene (S)	%	101	87-109	
Dibromofluoromethane (S)	%	92	85-115	
Toluene-d8 (S)	%	99	70-120	

LABORATORY CONTROL SAMPLE: 85056

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	43.5	87	72-126	
Benzene	ug/L	50	46.0	92	78-128	
Ethylbenzene	ug/L	50	44.8	90	80-127	
m&p-Xylene	ug/L	100	89.6	90	82-127	
Methyl-tert-butyl ether	ug/L	50	44.6	89	71-130	
Naphthalene	ug/L	50	51.0	102	52-136	
o-Xylene	ug/L	50	44.8	90	83-124	
Toluene	ug/L	50	46.0	92	76-126	
Xylene (Total)	ug/L	150	136	91	83-125	
1,2-Dichloroethane-d4 (S)	%			93	79-120	
4-Bromofluorobenzene (S)	%			99	87-109	
Dibromofluoromethane (S)	%			97	85-115	
Toluene-d8 (S)	%			99	70-120	

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

QUALIFIERS

Project: CORNER STOP 28
Pace Project No.: 9214513

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

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

ANALYTE QUALIFIERS

1g	Low surrogate recovery was confirmed as a matrix effect by a second extraction within hold time.
S2	Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 2

1156310

Section A Required Client Information:

Company: KLM Env.
Address: Po Box 2704
Goose Creek SC 29445
Email To: mkeller13l@comcast.net
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Mark Keller
Copy To:
Purchase Order No.:
Project Name: Cornerstop 28
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 824-1

REGULATORY AGENCY

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

Site Location STATE: SC

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): BTEX w/ M	1,2 DCA	LEAD	EDB	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-2	WT	G	2/27/08			1100											X	X	X	X		92145130 01
2	MW-5						1110																02
3	MW-6R						1120																03
4	MW-9						1130																04
5	MW-10						1140																05
6	MW-13						1150																06
7	MW-14						1200																07
8	MW-16						1210																08
9	MW-17						1220																09
10	MW-20						1230																10
11	MW-21						1240																11
12	MW-22						1250																12

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	[signature]	2/28/08	1700	[signature]	2/29/08	10:00	4.8	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Mick Bennett

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2/27/08

*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.

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CHAIN-OF-CUSTODY / Analytical Request Document

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

1156311

Section A Required Client Information:
Company: KLM Envi
Address: PO Box 2704
Grove Creek SC 29445
Email To: mkeller131@comcast.net
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:
Report To: Mark Keller
Copy To:
Purchase Order No.:
Project Name: Comet Stop 28
Project Number:

Section C Invoice Information:
Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☑ UST ☐ RCRA ☐ OTHER _____
Site Location STATE: SC

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): BTEX, NM, 12 DCA, EDB, Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	TW-1	WT	G	2/27/08			1320											X X X X		92145130 13
2	TW-2	X	X	b			1350											X X X X		92145130 14
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature]	2/28/08	1700	[signature]	2/29/08	10:00	4.8	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Micah Bennett
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2/27/08

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.

Pace Analytical

Sample Condition Upon Receipt

Client Name: KLM Project # 9214513

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☑ yes ☐ no

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

Thermometer Used T060 Type of Ice: Wet Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature 4.8 Biological Tissue is Frozen: Yes No N/A

Temp should be above freezing to 6°C

Optional	
Proj. Due Date:	N/A
Proj. Name:	N/A

Date and Initials of person examining contents: CW 2/28

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: WT	☑Yes ☐No ☐N/A	12.
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15. MW-16R & MW-21 + 22 have
Trip Blank Present:	☐Yes ☐No ☑N/A	16. Sand in Bottom of vials.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased): N/A		

Client Notification/ Resolution: Field Data Required? Y / N / N/A

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: PAH Date: 3/3/08

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)

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 2/27/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 60 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Well # MW- 2

Well Diameter(D) 2" Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 55 ft.
Depth to GW (DWG) 43.29 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	11:00							
pH (s.u.)	5.04							
Specific Cond. (mS/cm)	.204							
Water Temp (°C)	18.1							
Turbidity (*)	769							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	4.31							

Remarks: st 11:00
No purge

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 2/27/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 60 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 5

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 47.26 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1110							
pH (s.u.)	4.95							
Specific Cond. (mS/cm)	.198							
Water Temp (°C)	19.7							
Turbidity (*)	530							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	1.90							

Remarks: st 1110
No purge

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 2/27/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 60 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Well # MW- 5R

Well Diameter(D) 2" Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 65 ft.
Depth to GW (DWG) 56.98 ft.

Length of Water Column (LWC=TWD-DGW) 8.02 ft.

1 Csg. Volume (LWC*C)= 8.02 x 0.163 = 1.31 gals.
3 Csg. Volumes = 3 x 1.31 = 3.93 gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	2							
Time (military)	11:20							
pH (s.u.)	6.65							
Specific Cond. (mS/cm)	.295							
Water Temp (°C)	18.3							
Turbidity (*)	999							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	0.80							

Remarks: Dry at 2 at 11:20

South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 2/27/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 60 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 9

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 41.92 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	11:30							
pH (s.u.)	5.31							
Specific Cond. (mS/cm)	.192							
Water Temp (°C)	17.4							
Turbidity (*)	999							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	3.78							

Remarks: No purge st 11:30

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 2/27/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 60 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 10

Well Diameter(D) 2" Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 35.03 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	11:40							
pH (s.u.)	5.31							
Specific Cond. (mS/cm)	.205							
Water Temp (°C)	18.8							
Turbidity (*)	1881							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	3.76							

Remarks: ST 11:40
No purge

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 2/27/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 60 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 13

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 41.52 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1150							
pH (s.u.)	5.12							
Specific Cond. (mS/cm)	.156							
Water Temp (°C)	17.7							
Turbidity (*)	43							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	3.13							

Remarks: ST 1150
No purge

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 2/27/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 60 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 14

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 54.80 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1200							
pH (s.u.)	4.96							
Specific Cond. (mS/cm)	0.125							
Water Temp (°C)	18.5							
Turbidity (*)	999							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	6.84							

Remarks: at 12:00
No purge

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 2/27/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 60 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Well # MW- 16

Well Diameter(D) 2" Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 52.65 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	12:10							
pH (s.u.)	6.34							
Specific Cond. (mS/cm)	.147							
Water Temp (°C)	16.7							
Turbidity (*)	934							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	5.85							

Remarks: No purge at 1210

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 2/27/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 60 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 17

Well Diameter(D) _____ Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 41.33 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	12:20							
pH (s.u.)	5.14							
Specific Cond. (mS/cm)	.356							
Water Temp (°C)	18.4							
Turbidity (*)	999							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	1.95							

Remarks: No purge
st 12:20

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 2/27/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 60 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Well # MW- 20

Well Diameter(D) 2" Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 60 ft.
Depth to GW (DWG) 52.52 ft.

Length of Water Column (LWC=TWD-DGW) _____ ft.

1 Csg. Volume (LWC*C)= _____ x _____ = _____ gals.
3 Csg. Volumes = 3 x _____ = _____ gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	—							
Time (military)	1230							
pH (s.u.)	4.92							
Specific Cond. (mS/cm)	.112							
Water Temp (°C)	17.2							
Turbidity (*)	999							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	4.46							

Remarks: ST 1230
No purge

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 2/27/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 60 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- 21

Well Diameter(D) 2" Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 65 ft.
Depth to GW (DWG) 58.70 ft.

Length of Water Column (LWC=TWD-DGW) 6.3 ft.

1 Csg. Volume (LWC*C)= 6.3 x 0.163 = 1.03 gals.
3 Csg. Volumes = 3 x 1.03 = 3.09 gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	2							
Time (military)	12:40							
pH (s.u.)	5.29							
Specific Cond. (mS/cm)	.191							
Water Temp (°C)	17.7							
Turbidity (*)	999							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	2.41							

Remarks: Dry at 2
st 12:40

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 2/27/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 60 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Well # MW-22

Well Diameter(D) 2" Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 65 ft.
Depth to GW (DWG) 58.37 ft.

Length of Water Column (LWC=TWD-DGW) 6.63 ft.

1 Csg. Volume (LWC*C)= 6.63 x 0.163 = 1.1 gals.
3 Csg. Volumes = 3 x 1.1 = 3.3 gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	2							
Time (military)	12:50							
pH (s.u.)	5.82							
Specific Cond. (mS/cm)	.189							
Water Temp (°C)	17.6							
Turbidity (*)	999							
OVA Readings	—							
Salinity	0.00							
Dissolved Oxygen	1.93							

Remarks: Dry at 2 at 12:50

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 2/27/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 60 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter Horiba
serial no.
pH=4.0 Internal
pH=7.0 Internal
pH=10.0 Internal

Conductivity Meter: Horiba
serial no.
Standard Internal
Standard Internal
Standard Internal

Chain of Custody

Relinquished by Date/Time Received by Date/Time

Well # MW- TW-1

Well Diameter(D) 2 Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) 80 ft.
Depth to GW (DWG) 55.67 ft.

Length of Water Column (LWC=TWD-DGW) 24.33 ft.

1 Csg. Volume (LWC*C)= _____ x _____ = 3.97 gals.
3 Csg. Volumes = 3 x _____ = 11.89 gals. (Std. Purge Volume)

Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	4.0	7.0						
Time (military)	1303	13:14						
pH (s.u.)	5.53	6.62						
Specific Cond. (mS/cm)	.479	.459						
Water Temp (°C)	19.4	18.4						
Turbidity (*)	53	107						
OVA Readings	—	—						
Salinity	0.01	0.00						
Dissolved Oxygen	2.08	3.15						

Remarks: Dry at 7 gallons
ST 1320

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South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Field Data Information Sheet for Ground Water Sampling

Date (mm/dd/yy) 2/27/08
Field Personnel Micah Bennett and Jason Boots
General Weather Condition Sunny
Ambient Air Temperature 60 °F
Facility Name Corner Stop 28 Site ID# 05659

Quality Assurance:

pH Meter	Horiba	Conductivity Meter:	Horiba
serial no.		serial no.	
pH=4.0	Internal	Standard	Internal
pH=7.0	Internal	Standard	Internal
pH=10.0	Internal	Standard	Internal

Chain of Custody

Relinquished by	Date/Time	Received by	Date/Time

Well # ~~MW-~~ T2-

Well Diameter(D) 2" Inches or _____ feet
conversion factor(C): $3.143*(D/2)^2$
for a 2 inch well C=0.163
4 inch well C=0.652
Total Well Depth (TWD) _____ ft.
Depth to GW (DWG) 52.98 ft.
Length of Water Column (LWC=TWD-DGW) 32.02 ft.
1 Csg. Volume (LWC*C)= _____ x _____ = 5.2 gals.
3 Csg. Volumes = 3 x _____ = 15.6 gals. (Std. Purge Volume)
Total Volume of Water Purged Before Sampling _____ gals.

	Initial	1st vol.	2nd vol.	3rd vol.	4th vol.	5th vol.	Post	Sampling
Volume Purged (gallons)	5.2	10.4	15.6					
Time (military)	1300	1310	1320					
pH (s.u.)	5.03	5.19	5.06					
Specific Cond. (mS/cm)	.121	.103	.089					
Water Temp (°C)	17.1	17.5	18.0					
Turbidity (*)	67	59	49					
OVA Readings	—	—	—					
Salinity	0.00	0.00	0.00					
Dissolved Oxygen	5.66	6.57	7.31					

Remarks: ST 13:20

[signature]

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05094.2

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone 800-922-9175	4. Waste Tracking Number 27264

GENERATOR

5. Generator's Name and Mailing Address

Worsley Companies (various locations)
c/o KLM Env., PO Box 2704
Goose Creek, SC 29445
Generator's Phone: 843 870-4285

Generator's Site Address (if different than mailing address)

Cornerstop 28
717 N. Greenwood Ave.
Ware Shoals, SC .

6. Transporter 1 Company Name: NuWay Industrial Services, Inc.
U.S. EPA ID Number: SCD 987598331

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address

Vopak - Mauldin
305 South Main St.
Mauldin, SC 29662
Facility's Phone: 864-962-9953

U.S. EPA ID Number: SCR000762468

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non-Hazardous/Non-Regulated Material Soil cuttings Profile #	4	DM		
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information

Job # 2008-071 Contact at KLM: Micah Bennett 843-870-4285

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Micah Bennett
Signature:
Month 2 Day 4 Year 08

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month | Day | Year

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name | Signature | Month | Day | Year

KLM Environmental, LLC
Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation
PO Box 2704
Goose Creek, SC 29445
843-870-4285 Phone
843-797-1893 Fax

RECEIVED
MAR 3 1 2008
UNDERGROUND STORAGE TANK PROGRAM

March 27, 2008

Ms. Stephanie Briney
SCDHEC BUSTM
2600 Bull Street
Columbia, SC 29201

Dear Ms. Briney,

Please see the enclosed revised maps for Corner Stop 28 (Site # 05659), Figure 2 and Figure 4 for "March 2008 Monitoring Report." I apologize for any inconvenience that this may have caused.

If you have any questions, please call me directly at 843-797-7884.

Sincerely,

KLM Environmental, LLC

April Infinger
April Infinger
Office Manager

UST PROGRAM
DOCKETING # 6T

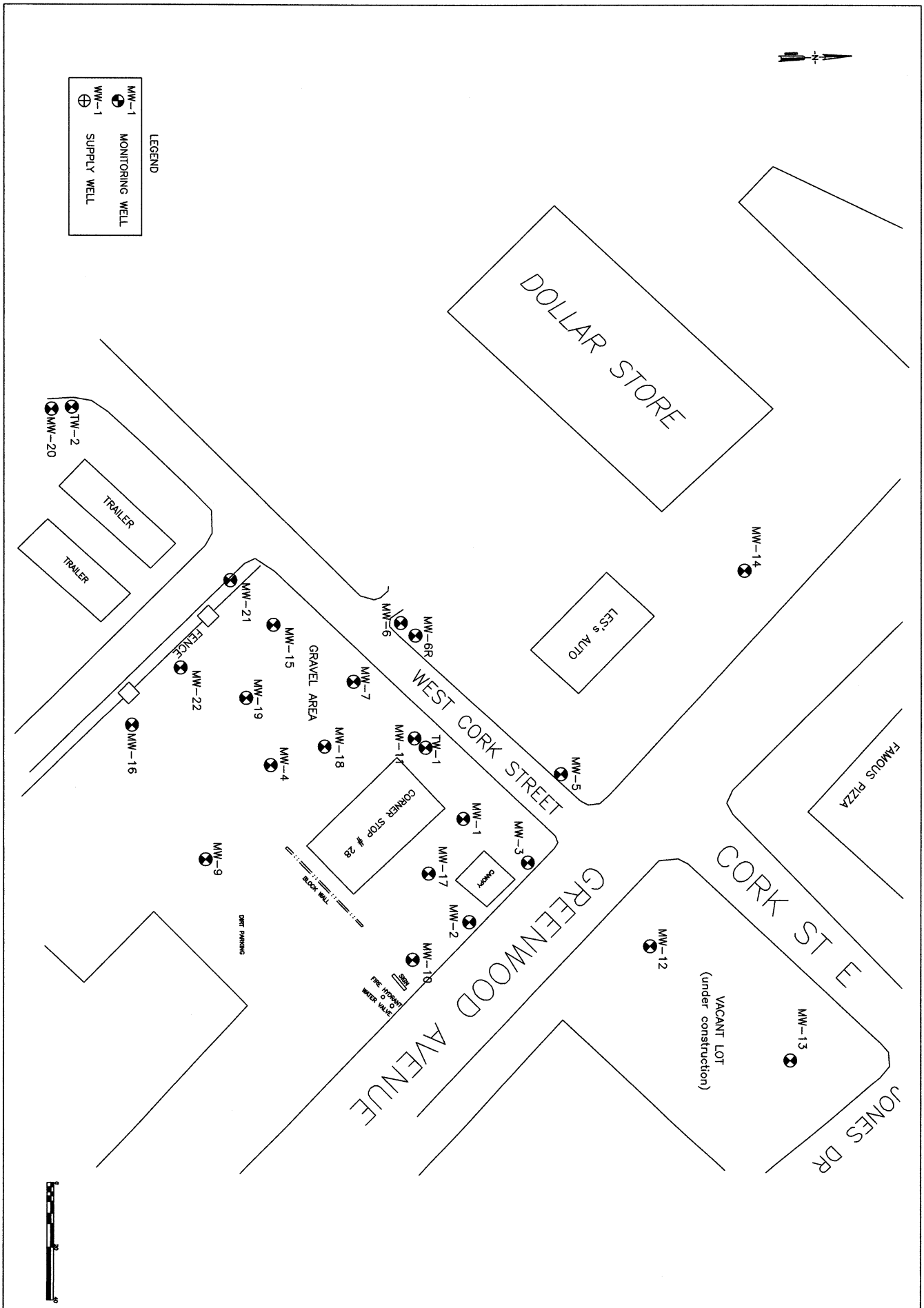


FIGURE 2
SITE MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

KLM Environmental, LLC
Phase I· Phase II· Underground Storage Tanks· Soil & Water Sampling· Well Installation

TABLE 2
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	Benzene	Toluene	Ethylbenzene	Total Xylenes
RBSL	--	5	1000	700	10000
MW-1	2/28/06	NS	NS	NS	NS
	5/30/07	FP	FP	FP	FP
	10/23/07	FP	FP	FP	FP
	2/27/08	FP	FP	FP	FP
MW-2	2/28/06	3800	41000	4100	22500
	5/30/07	1300	20000	1900	12300
	10/23/07	2410	25800	3340	18350
	2/27/08	2770	28600	3570	20000
MW-3	2/28/06	NS	NS	NS	NS
	5/30/07	FP	FP	FP	FP
	10/23/07	FP	FP	FP	FP
	2/27/08	FP	FP	FP	FP
MW-4	2/28/06	NS	NS	NS	NS
	5/30/07	DRY	DRY	DRY	DRY
	10/23/07	DRY	DRY	DRY	DRY
MW-5	2/28/06	410	150	19	270
	5/30/07	800	820	150	640
	10/23/07	592	334	70.1	444
	2/27/08	482	814	25.4	1110
MW-6	2/28/06	450	350	650	1450
	5/30/07	<5.0	14	6.4	40
	10/23/07	DRY	DRY	DRY	DRY
MW-6R	2/27/08	4470	19500	2300	9800
MW-7	2/28/06	NS	NS	NS	NS
	5/30/07	FP	FP	FP	FP
	10/23/07	FP	FP	FP	FP
	2/27/08	FP	FP	FP	FP
MW-9	2/28/06	<1	<1	<1	<3
	5/30/07	<5.0	<5.0	<5.0	<10
	10/23/07	<5.0	5.2	<5.0	<10.0
	2/27/08	1.3	29.9	8.4	45.4

TABLE 2 CONTINUED
Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

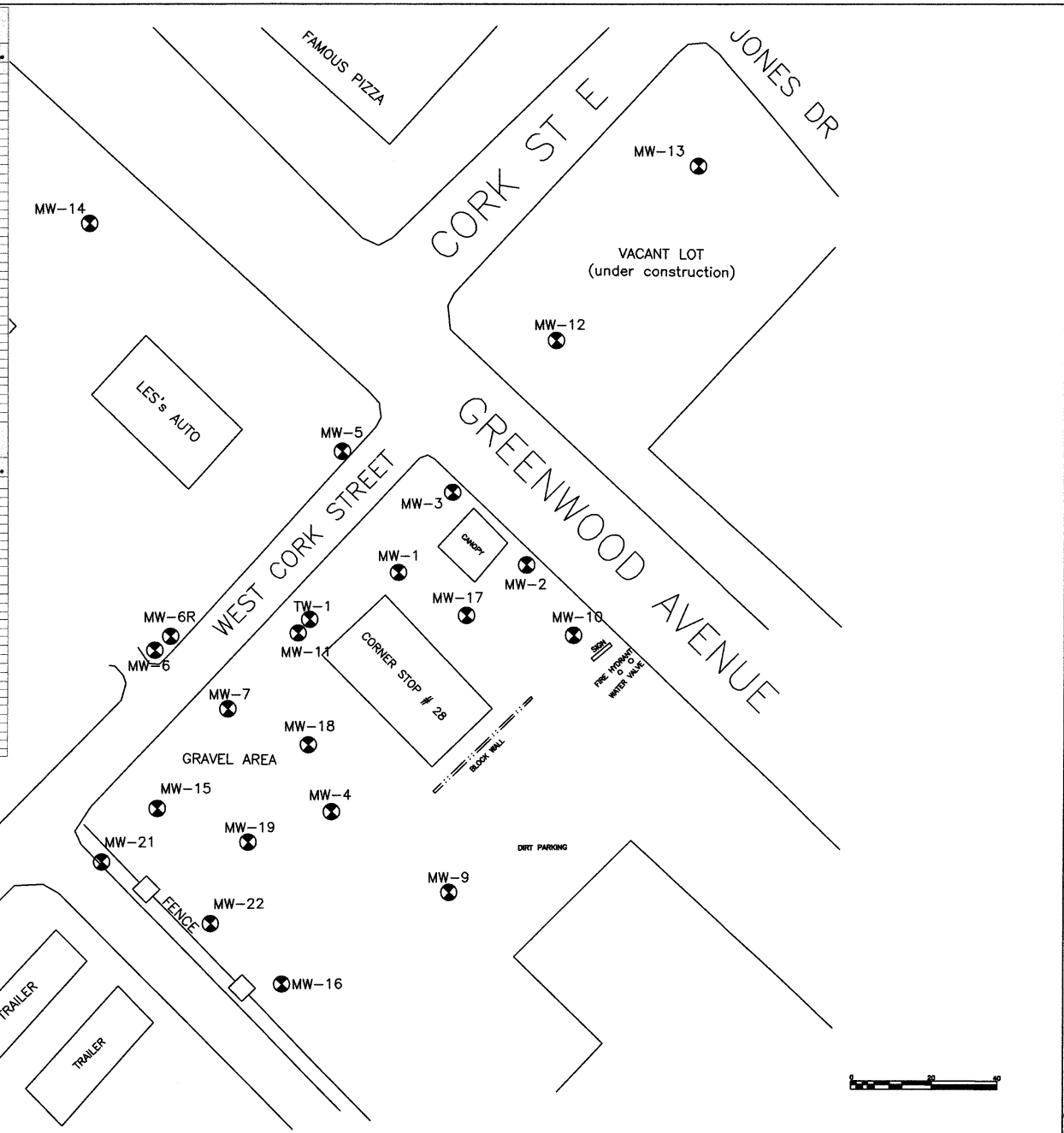
Well #	Date Sampled	Benzene	Toluene	Ethylbenzene	Total Xylenes
RBSL	--	5	1000	700	10000
MW-10	2/28/06	<1	<1	<1	<3
	5/30/07	<5.0	9.5	<5.0	21.4
	10/23/07	<5.0	19.4	8.7	43.3
	2/27/08	3.7	198	34.3	215
MW-11	2/28/06	12000	60000	10000	55000
	5/30/07	FP	FP	FP	FP
	10/23/07	FP	FP	FP	FP
	2/27/08	FP	FP	FP	FP
MW-12	2/28/06	130	7	1	94
	5/30/07	CNL	CNL	CNL	CNL
	10/23/07	CNL	CNL	CNL	CNL
MW-13	5/30/07	<5.0	<5.0	<5.0	<10
	10/23/07	<5.0	7.4	<5.0	<10
	2/27/08	6.4	<5.0	<5.0	4.6
MW-14	5/30/07	<5.0	<5.0	<5.0	<10
	10/23/07	<5.0	<5.0	<5.0	<10.0
	2/27/08	<5.0	<5.0	<5.0	<10.0
MW-15	5/30/07	10000	42000	3400	29000
	10/23/07	FP	FP	FP	FP
	2/27/08	FP	FP	FP	FP
MW-16	5/30/07	<5.0	<5.0	<5.0	<10.0
	10/23/07	<5.0	9.3	<5.0	20.2
	2/27/08	1.7	30.1	8.5	44.9
MW-17	10/23/07	2610	7400	912	6330
	2/27/08	4810	15900	2450	14200
MW-18	10/23/07	2180	20000	3410	19886
	2/27/08	FP	FP	FP	FP
MW-19	10/23/07	9840	47600	5260	27800
	2/27/08	FP	FP	FP	FP
MW-20	10/23/07	<5.0	<5.0	<5.0	<10.0
	2/27/08	<5.0	<5.0	<5.0	<10.0
MW-21	2/27/08	123	23.0	15.3	589
MW-22	2/27/08	9410	45300	4050	21000
T-1	2/28/06	NS	NS	NS	NS
	5/30/07	41	240	120	790
	10/23/07	<25	44.7	<25	<50
	2/27/08	5.4	28.0	3.9	21.4
T-2	10/23/07	<5.0	33.2	9.9	52.5
	2/27/08	<5.0	7.1	<5.0	5.3

TABLE 3
Additional Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	MTBE	Naphthalene	Lead	EDB	1,2 - Dichloroethane
RBSL	--	40	25	15	0.05	5
MW-1	2/28/06	NS	NS	NS	NS	NS
	5/30/07	FP	FP	FP	FP	NS
	10/23/07	FP	FP	FP	FP	NS
	2/27/08	FP	FP	FP	FP	NS
MW-2	2/28/06	1100	<400	NS	10	NS
	5/30/07	1900	400	<5.0	15	NS
	10/23/07	7510	1940	<5.0	16.8	NS
	2/27/08	4040	991	<5.0	12.6	<1000
MW-3	2/28/06	NS	NS	NS	NS	NS
	5/30/07	FP	FP	FP	FP	NS
	10/23/07	FP	FP	FP	FP	NS
	2/27/08	FP	FP	FP	FP	NS
MW-4	2/28/06	NS	NS	NS	NS	NS
	5/30/07	DRY	DRY	DRY	DRY	NS
	10/23/07	DRY	DRY	DRY	DRY	NS
MW-5	2/28/06	140	3	NS	<0.02	NS
	5/30/07	880	13	<5	0.20	NS
	10/23/07	425	45.4	<5.0	0.031	NS
	2/27/08	557	34.8	<5.0	<0.02	<25.0
MW-6	2/28/06	19	<1	NS	<0.02	NS
	5/30/07	<5.0	12	NS	NS	NS
	10/23/07	DRY	DRY	DRY	DRY	NS
MW-6R	2/27/08	85.9	351	340	<0.02	<50.0
MW-7	2/28/06	NS	NS	NS	NS	NS
	5/30/07	FP	FP	FP	FP	NS
	10/23/07	FP	FP	FP	FP	NS
	2/27/08	FP	FP	FP	FP	NS
MW-9	2/28/06	<1	<1	NS	<0.02	NS
	5/30/07	<5.0	<5.0	<5.0	<0.02	NS
	10/23/07	<5.0	<5.0	<5.0	<0.02	NS
	2/27/08	<5.0	8.6	<5.0	<0.02	<5.0
MW-10	2/28/06	<1	<1	NS	<0.02	NS
	5/30/07	<5.0	6.7	<5.0	<0.02	NS
	10/23/07	<5.0	11.7	<5.0	<0.02	NS
	2/27/08	2.1	43.2	<5.0	<0.02	<5.0
MW-11	2/28/06	37000	3400	NS	19	NS
	5/30/07	FP	FP	FP	FP	NS
	10/23/07	FP	FP	FP	FP	NS
	2/27/08	FP	FP	FP	FP	NS

TABLE 3 CONTINUED
Additional Summary of Analytical Data
Corner Stop 28
Ware Shoals, SC

Well #	Date Sampled	MTBE	Naphthalene	Lead	EDB	1,2 - Dichloroethane
RBSL	--	40	25	15	0.05	5
MW-12	2/28/06	22	1	NS	<0.02	NS
	5/30/07	CNL	CNL	CNL	CNL	NS
	10/23/07	CNL	CNL	CNL	CNL	NS
MW-13	5/30/07	<5.0	<5.0	54	<0.02	NS
	10/23/07	<5.0	6.3	<5.0	<0.02	NS
	2/27/08	<5.0	3.1	<5.0	<0.02	<5.0
MW-14	5/30/07	<5.0	<5.0	180	<0.02	NS
	10/23/07	<5.0	<5.0	22.5	<0.02	NS
	2/27/08	<5.0	<5.0	55.8	<0.02	<5.0
MW-15	5/30/07	980	830	94	23	NS
	10/23/07	FP	FP	FP	FP	NS
	2/27/08	FP	FP	FP	FP	NS
MW-16	5/30/07	<5.0	<5.0	27	<0.02	NS
	10/23/07	<5.0	5.7	10.2	<0.02	NS
	2/27/08	<5.0	4.1	12.0	<0.02	<5.0
MW-17	10/23/07	9380	<500	55.6	24.6	NS
	2/27/08	12700	764	9.2	37.1	<250
MW-18	10/23/07	1030	830	36.1	0.88	NS
	2/27/08	FP	FP	FP	FP	NS
MW-19	10/23/07	18500	1660	35.5	16.4	NS
	2/27/08	FP	FP	FP	FP	NS
MW-20	10/23/07	<5.0	<5.0	22.2	<0.02	NS
	2/27/08	<5.0	<5.0	74.6	<0.02	<5.0
MW-21	2/27/08	8.3	53.4	218	<0.02	<5.0
MW-22	2/27/08	12300	<2500	128	4.0	12.7
T-1	2/28/06	NS	NS	NS	NS	NS
	5/30/07	1500	260	<5.0	0.71	NS
	10/23/07	555	<25	34.5	0.10	NS
	2/27/08	232	21.8	5.8	<0.02	<5.0
T-2	10/23/07	<5.0	6.9	<5.0	<0.02	NS
	2/27/08	<5.0	3.5	<5.0	<0.02	<5.0



LEGEND

MW-1 MONITORING WELL

WW-1 SUPPLY WELL

KLM Environmental, LLC
Phase I·Phase II·Underground Storage Tanks·Soil & Water Sampling·Well Installation

FIGURE 4
COC MAP
CORNER STOP 28
WARE SHOALS SC SITE # 05659

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

APR 10 2008

MS MAUREEN JACKSON
WORSLEY COMPANIES INC
PO BOX 3227
WILMINGTON NC 28406-0227

Re: Assessment Directive
Corner Stop 28 (Former Fast Point 17), 717 North Greenwood Ave., Ware Shoals, SC
UST Permit #05659; CA #32088; MWA#UMW-21631
Release reported December 30, 1991
Assessment Report received March 26, 2008
Greenwood County

Dear Ms. Jackson:

The Underground Storage Tank (UST) Program of the South Carolina Department of Health and Environmental Control (SCDHEC) recognizes your commitment to continue work at this site utilizing KLM Environmental, LLC. The report shows that the horizontal extent of the contamination remains undefined. Therefore, the Program requests that six additional monitoring wells be installed. Install one monitoring well southeast of monitoring well MW-10. Install four monitoring wells across west Cork Street. Please replace monitoring well MW-4 since the referenced report state that monitoring well MW-4 was dry. Please see the enclosed map for proposed well locations. Please have your contractor conduct two eight-hour Aggressive Fluid Vapor Recovery (AFVR) events. Please conduct one AFVR event on monitoring well MW-1 and one AFVR event on monitoring well MW-11. **Please note that groundwater sampling is to take place at least 30 days after the AFVR event**. All monitoring wells should be sampled and analyzed for BTEX+naphthalene+MTBE, EDB and lead.

Cost Agreement # 32088 has been approved in the amount shown on the enclosed cost agreement form for the sampling, well installation, and the AFVR event. If the well screen does not bracket the water table or the well was newly installed, the monitoring well should be purged prior to obtaining samples. Please have your contractor submit the sampling results to the Program in a report containing the following:

- A narrative portion documenting current site conditions and noting the names of field personnel, date, time, ambient air temperature, and general weather conditions during the sampling event. The report shall also contain well purging data, pH, specific conductivity, water temperature, PID readings (where applicable) and turbidity comments.
- Groundwater elevations, depth to groundwater, measurable free product thickness (where applicable), total well depth and screened interval for all monitoring wells associated with the site, unless otherwise directed by the Program, shall be presented in tabular form. Groundwater laboratory analytical data for all monitoring wells for this and all previous sampling events shall be presented in tabular format.
- A groundwater elevation contour map of the site based on current groundwater potentiometric data.
- A CoC map based on current groundwater laboratory analytical data. The groundwater data should be adjacent to the relevant monitoring well.
- Manifests for any contaminated soil and/or groundwater removed from the site for treatment and/or disposal.
- Signature and seal by a professional geologist or engineer registered in the State of South Carolina.
- Boring logs and signed 1903 forms.
- A narrative portion documenting each AFVR event noting site conditions, the name of the AFVR contractor, field personnel, date, time each AFVR event started and ended, ambient air temperature, general weather conditions during the AFVR event, and the estimated amount in gallons of the petroleum products removed as a liquid or vapor for the event. AFVR data reported must include product recovery rate, volatile air emission concentration, vacuum radius of influence measurements taken at 30-minute intervals during the event and gauging data from the

UST PROGRAM
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monitoring wells. Wells containing free phase product should be gauged at the beginning and end of each AFVR event. Disposal manifests for the AFVR event should be included as part of the final report.

KLM Environmental, LLC. can submit an invoice for direct billing from the State Underground Petroleum Environmental Response Bank (SUPERB) Account. Please note that all applicable South Carolina certification requirements apply to the laboratory services, well installation, and report preparation. All site rehabilitation activities must be performed and submitted by a South Carolina Certified Underground Storage Tank Site Rehabilitation Contractor.

An Assessment Report and invoice are due within **90 days** from the date of this letter. An interim well drilling invoice may be submitted for this scope of work. If the invoice and completed report are 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 Program is obtained. If for any reason additional tasks will be completed, these additional tasks and the associated cost must be preapproved by the Program for the cost to be paid. 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. Further, SCDHEC reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

The Department 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 COC concentrations, based on laboratory analysis, are 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 concerning this site, please reference UST Permit #05659 and CA #32088. If there are any questions concerning this project, please contact me at (803) 896-6323. I can also be reached by email at brineysm@dhec.sc.gov or by fax at (803) 896-6245.

Sincerely,

Stephanie Briney

Stephanie Briney, Hydrogeologist
Assessment Section
Assessment and Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

enc: Approved Cost Agreement
Monitoring Well Approval
Site Map

cc: Technical File (w/enc)
KLM Environmental LLC., 137 Evergreen Magnolia Ave., Goose Creek, SC 29445 (w/enc)

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

Monitoring Well Installation Approval Form

Approval is hereby granted to:	KLM Environmental, LLC.
(On behalf of):	Worsley Companies, Inc.
UST Permit #:	05659
Address:	717 N. Greenwood Ave., Ware Shoals, SC
County:	Greenwood

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

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

1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.

2. All monitoring wells shall be labeled as required by R.61-71.H.2.c.

3. A Water Well Record Form or other form provided or approved by the Department shall be completed and submitted to the Department within 30 days after well completion or abandonment unless another schedule has been approved by the Department. 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 Department within 30 days of receipt of laboratory results unless another schedule has been approved by the Department as required by R.61-71.H.1.d.

5. If any of the information provided to the Department changes, notification to Stephanie Briney the project manager (tel: (803) 896-6323 or e-mail: brineysm@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. Departmental approval is required prior to abandonment of all monitoring wells as required by R.61-71.H.1.a.

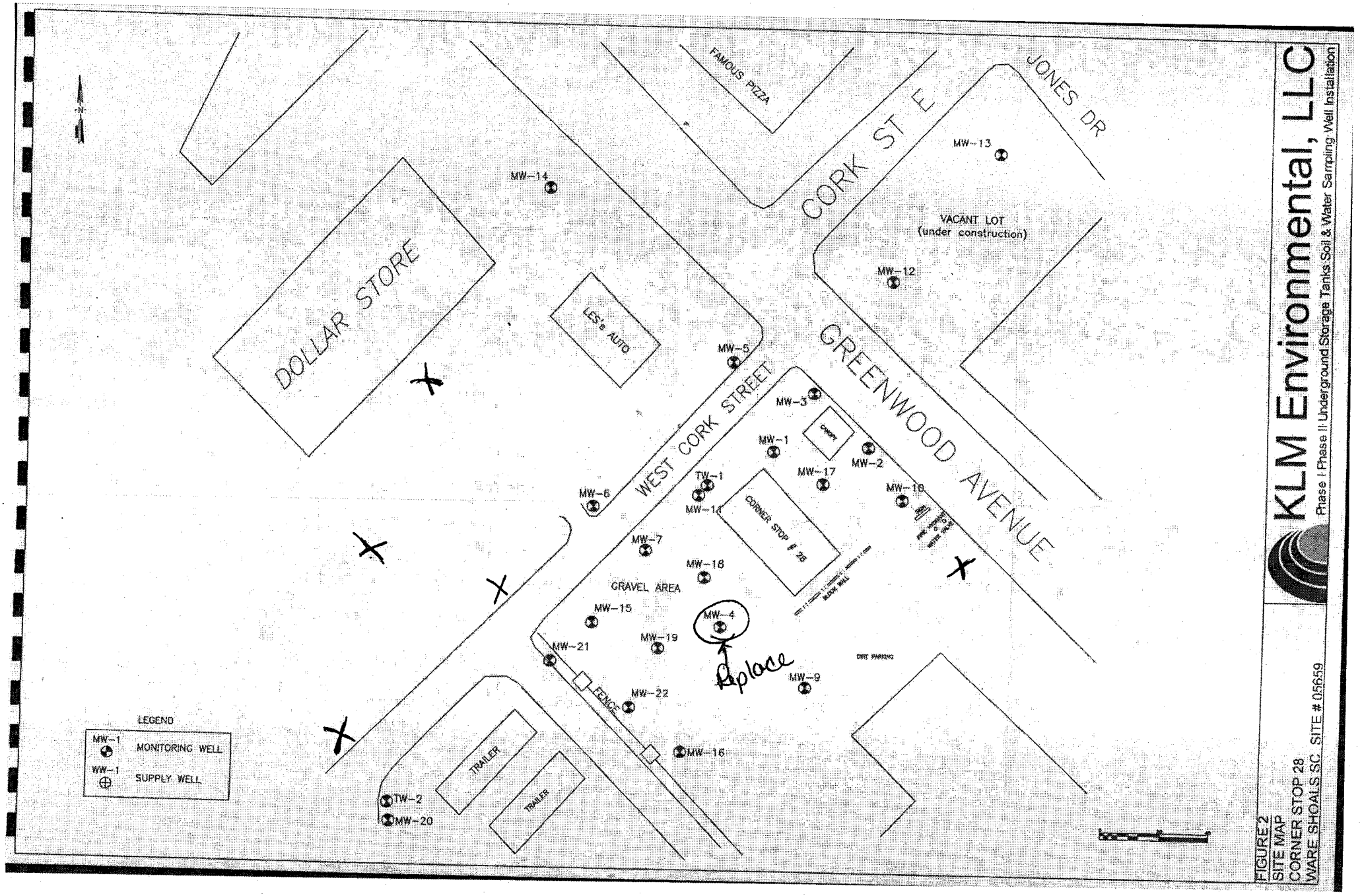
This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and R.61-71 of the South Carolina Well Standards and Regulations, dated April 26, 2002. A copy of this approval should be on the site during well installation.

Date of Issuance: **March 27, 2008** **Approval #:** **UMW-21631**

Stephanie Briney

Stephanie Briney, Hydrogeologist
Assessment Section
Division of Assessment and Corrective Action
Underground Storage Tank Program
Bureau of Land and Waste Management

X = proposed monitoring well locations



Approved Cost Agreement 32088

Facility: 05659 CORNER STOP 28
BRINEYSM
PO Number:

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
04 MOB/DEMOB						
		A	EQUIPMENT	1.0000	550.00	550.00
		B	PERSONNEL	5.0000	275.00	1,375.00
09 WELL INSTALLATION						
		D	ROCK DRILLING	360.0000	58.00	20,880.00
10 SAMPLE COLLECTION						
		A	GROUND WATER	8.0000	55.00	440.00
		D	GROUNDWATER NO-PURGE	12.0000	35.00	420.00
		E	GAUGE WELL ONLY	12.0000	20.00	240.00
11 ANALYSES						
	GW GROUNDWATER	A	BTEX+NAPTH+MTBE	20.0000	100.00	2,000.00
		E	LEAD	20.0000	20.00	400.00
		F	EDB	20.0000	55.00	1,100.00
16 SUBSEQUENT SURVEY						
			SUBSEQUENT SURVEY	1.0000	260.00	260.00
17 DISPOSAL						
		A1	WASTEWATER - PURGING/SAMPLING	5.0000	90.00	450.00
		A2	WASTEWATER - PUMPING TEST	1,000.0000	0.60	600.00
		C	SOIL (TREATMENT/DISPOSAL)	8.0000	50.00	400.00
19 RPT/PROJECT MNGT & COORDINATIO						
		PCT	PERCENT	0.1500	35,115.00	5,267.25
23 EFR						
		A	8 HOUR EVENT	2.0000	3,000.00	6,000.00
				Total Amount		40,382.25

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MR. ROBERT JENNINGS JR
16 KATHRYN WAY
WARE SHOALS SC 29692-1543

MAY 15 2008

Re: Request for Right of Entry
Corner Stop 28, 717 North Greenwood Ave., Ware Shoals, SC
UST Permit # 05659
Access to Adjacent Property tax map # 6923-232-696

Dear Mr. Jennings:

The Underground Storage Tank (UST) Program of the South Carolina Department of Health and Environmental Control has directed Worsley Companies, Inc., as the party responsible for the release at Corner Stop 24, to perform work to assess a reported petroleum release in Ware Shoals, SC. KLM Environmental, LLC. is currently conducting the environmental assessment for Worsley Companies, Inc. KLM Environmental LLC. requires access to your property in order to install four monitoring wells, so they can fully assess the effects of the petroleum release. Enclosed is a map of the referenced facility and your property showing the approximate locations where the proposed monitoring wells should be located. The proposed monitoring well locations can be adjusted to meet your approval. KLM Environmental, LLC. will immediately repair any damage to your property created by the installation or abandonment of these monitoring wells. There will be no cost to you for installation or abandonment of these groundwater monitoring wells.

The monitoring wells will be constructed in accordance with the South Carolina Well Standards and Regulations. They will be completed at grade and will have a small diameter manhole cover and 1 foot by 1 foot concrete pad. They will not interfere with normal usage of your property.

Please sign the enclosed right of entry form and return it to my attention within ten days of the date of this letter. If you have any questions, please contact me at (803) 896-6323 or (800) 826-5435 (within South Carolina only). Technical questions about well installation should be addressed to Mr. Micah Bennett of KLM Environmental LLC, Inc. at (843) 870-4285. Thank you for your assistance regarding this matter.

Sincerely,

Stephanie Briney

Stephanie Briney, Hydrogeologist
Assessment Section
Assessment and Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

enc: Right of Entry Form
Site Map

cc: Ms. Maureen Jackson, Worsely Companies, Inc., PO Box 3227, Wilmington, NC 28406 (w/o enc)
KLM Environmental LLC., 137 Evergreen Magnolia Ave., Goose Creek, SC 29445 (w/enc)
Technical File (w/enc)

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D H E C

PROMOTE PROTECT PROSPER

South Carolina Department of Health
and Environmental Control

BUREAU OF LAND AND WASTE MANAGEMENT
UNDERGROUND STORAGE TANK PROGRAM
2600 Bull Street
Columbia, SC 29201
Telephone (803) 896-6240

RIGHT OF ENTRY
Tax Map # 6923-243-698

I, _____ certify that I am the legal owner or the authorized representative for _____ (owner) of the property described below. I have witnessed the planned locations / have been provided a sketch map indicating the location(s) of the work to be performed. Permission is hereby granted to Worsely Companies, Inc. and/or the South Carolina Department of Health and Environmental Control (SCDHEC) or their agents to enter the referenced property for the following purposes:

Name of Facility (if appropriate): _____

Street Address: _____ _____

City, State, ZIP: _____

Installing four monitoring wells. I understand that these wells will remain with the property until cleanup is complete. Additionally, SCDHEC and Worsely Companies, Inc. or its agents will access the property at reasonable times for measurement and/or collection of samples. The monitoring wells will be properly abandoned upon completion of remediation activities.

NAME (Please print) : _____

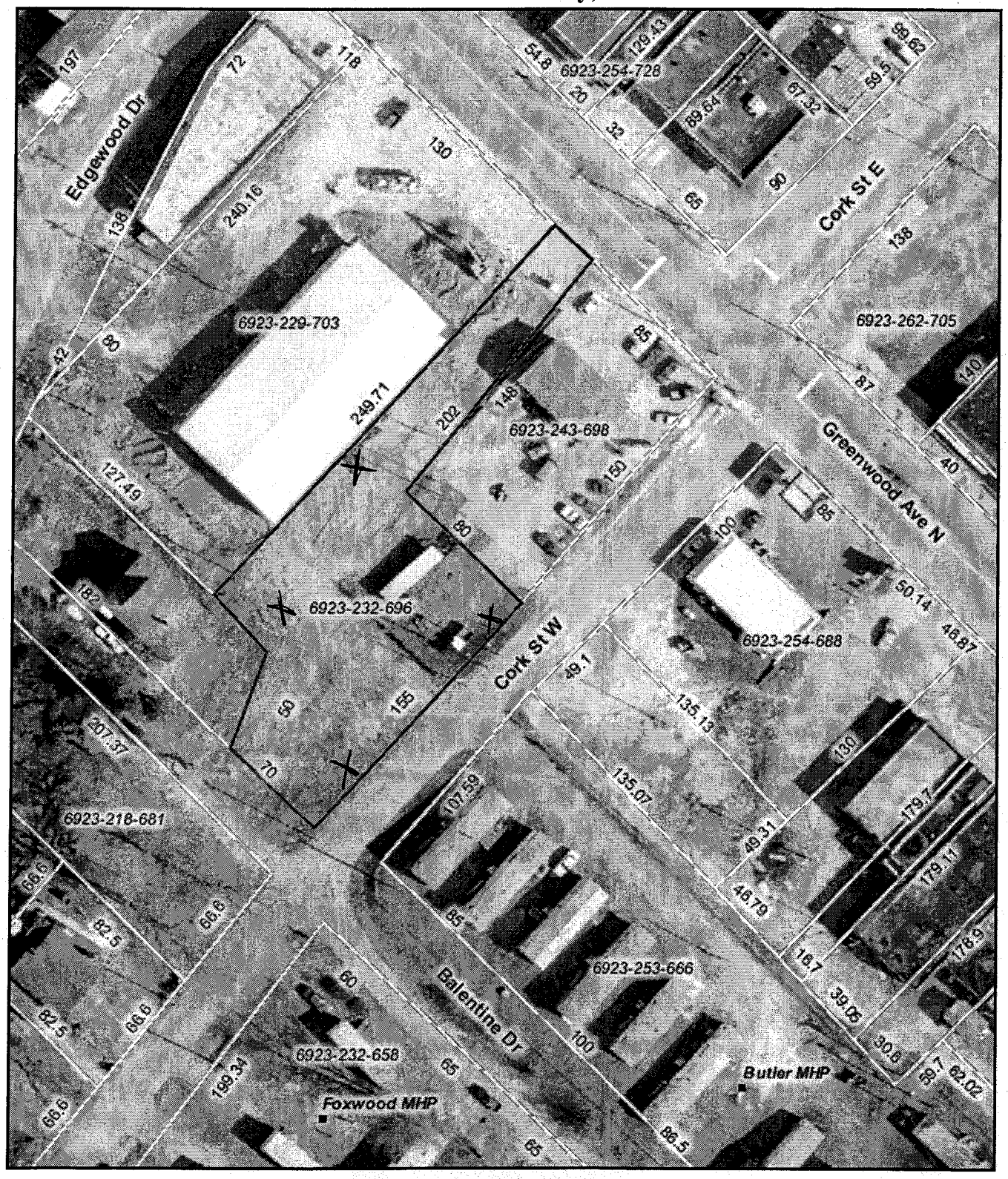
SIGNATURE : _____

WITNESS : _____

DATE : _____Mo _____Day _____Year

Please Return to the Attention of Stephanie Briney
Reference UST Permit # 05659

Greenwood County, SC



Disclaimer: Map and parcel data are believed to be accurate, but accuracy is not guaranteed. This is not a legal document and should not be substituted for a title search, appraisal, survey, or for zoning verification.

Map Scale
1 inch = 71 feet

X= proposed monitoring well locations

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

MR ROBERT JENNINGS JR
16 KATHRYN WAY
WARE SHOALS SC 29692-1543

JUN 02 2008

Re: Right of Entry 2nd letter
Corner Stop 28, 717 North Greenwood Ave., Ware Shoals, SC
UST Permit # 05659
Access to Adjacent Property tax map # 6923-232-696

Dear Mr. Jennings:

The Underground Storage Tank (UST) Program of the South Carolina Department of Health and Environmental Control has directed Worsley Companies, Inc., as the party responsible for the release at Corner Stop 24, to perform work to assess a reported petroleum release. As you are aware, KLM Environmental, LLC. is currently conducting an environmental assessment to determine the extent of petroleum Chemicals of Concern (CoC). In a letter dated May 15, 2008, Worsley Companies, Inc. requested access to your property at tax map # 6923-232-696 to assess the extent of the plume.

The Department believes it to be in your best interest to allow Worsley Companies, Inc. and its contractor, KLM Environmental, LLC, to address the problem as they, until now, have done. There will be no cost to you in allowing Worsley Companies, Inc. access to you properties for environmental activities. The UST Program requests that you allow the installation of these wells to proceed in a timely manner and return the required right of entry form. **Please sign the enclosed right of entry form and return it to my attention on or before June 20, 2008. If not, the Program may pursue a court order to gain access to the property.**

If you have any questions, please contact me at (803) 896-6323. I can also be reached by fax at (803) 896-6245 or by email at brineysm@dhec.sc.gov.

Sincerely,

Stephanie Briney

Stephanie Briney, Hydrogeologist
Southwestern SC Corrective Action Section
Assessment and Corrective Action Division
Underground Storage Tank Program
Bureau of Land and Waste Management

enc.: Right of Entry Form
Map with propose monitoring well locations

cc: Ms. Maureen Jackson, Worsely Companies, Inc., PO Box 3227, Wilmington, NC 28406(w/o enc)
KLM Environmental LLC., 137 Evergreen Magnolia Ave., Goose Creek, SC 29445 (w/enc)
Technical File (w/o enc.)

UST DOCKET
Gtec