

**NATURAL ATTENUATION MONITORING REPORT
KEETER FORD
1775 EAST DIXON BOULEVARD
SHELBY, CLEVELAND COUNTY, NORTH CAROLINA
GROUNDWATER INCIDENT No. 11356
SHIELD PROJECT #1950189
Period: October through December 2015**

Responsible Party:

Petroleum World, Inc.
681 NC 120 Highway
Mooresboro, NC 28114

Contact:

Debbie Potter
(828) 453-7351

Consultant:

Shield Engineering, Inc.
4301 Taggart Creek Road
Charlotte, NC 28208

Contact:

Flora D'Souza
(704) 394-6913

Property Owner(s):

Crossroads Ford
1775 East Dixon Boulevard
Shelby, NC

Contact:

Richard Mikels
(704) 482-6791

Site Risk Classification: High (H135D) **Release Discovered:** October 13, 1993

Land Use Category: Commercial

Quantity Released: Unknown amount of low boiling point petroleum hydrocarbons

Site Latitude: 35° 16' 25" N

Suspected Release Source(s): Former UST system consisting of one 6,000-gallon and one 4,000-gallon gasoline USTs.

Site Longitude: 81° 29' 51" W

Release Cause: Unknown.

Flora D'Souza
Project Manager



Michael D. Armour, M.S., L.G.
Principal
Registered, NC #1209

January 21, 2016

TABLE OF CONTENTS

	<u>Page No.</u>
1.0 DISCUSSION OF SAMPLING RESULTS	1
2.0 DISCUSSION OF REMEDIATION ACTIVITIES.....	4
3.0 CONCLUSIONS AND RECOMMENDATIONS	4
4.0 LIMITATIONS	6

FIGURES

Figure 1:	Site Location Map
Figure 2:	Site Map
Figure 3:	1500' Radius Map
Figure 4:	Groundwater Elevation Contour Map
Figure 5:	Benzene Isoconcentration Map
Figure 6:	Toluene Isoconcentration Map
Figure 7:	Ethylbenzene Isoconcentration Map
Figure 8:	Total Xylenes Isoconcentration Map
Figure 9:	MTBE Isoconcentration Map
Figure 10:	Isopropyl Ether (IPE) Isoconcentration Map
Figure 11:	Naphthalene Isoconcentration Map
Figure 12:	1,2-Dichloroethane (DCA) Isoconcentration Map

TABLES

Table 1:	Water Supply Well and Receptor Information
Table 2:	Summary of Well Construction and Historical Groundwater Elevation Data
Table 3:	Summary of Historical LPH Thickness & Recovery Data
Table 4:	Summary of Analytical Results – Groundwater Samples
Table 5:	Historical Analytical Results – Groundwater Samples

GRAPHS

Graphs of Concentration/Hydrographs vs. Time

APPENDICES

Appendix A:	Laboratory Report – Groundwater Samples
Appendix B:	Mobile Multi-Phase Extraction Report

1.0 DISCUSSION OF SAMPLING RESULTS

1.1 Site Monitoring Requirements:

Site Location Map: See Figure 1

Site Map: See Figure 2

Site Monitoring Requirements Based on CAP and/or NORR		
Sample Point Type	Total Quantity of Existing Sample Points and Their Identification	Required by NCDEQ to be Monitored and Sampled per CAP and/or NORR
Monitoring Wells	8 (MW-1A, MW-2, MW-3, MW-6, MW-7, MW-9, MW-10 and DMW-1)	8 (MW-1A, MW-2, MW-3, MW-6, MW-7, MW-9, MW-10, and DMW-1)
Water Supply Wells	5 (WSW-1 through WSW-4 and WSW-Putnam)	None
Recovery Wells	4 (RW-1 through RW-4)	4 (RW-1 through RW-4)

1.2 Summary of Analytical Results and Free Product Thickness(s):

1.2.1 **Date(s) of Sampling Event:** December 4, 2015

1.2.2 **Existing Area Receptors:**

A receptor survey update was conducted on August 3, 2007. No changes from the previous receptor survey were noted. Shield personnel walked the area within a 500' radius of the source area, talked to several homeowners and hand delivered Request for Water Supply Well Information letters. Shield also conducted a drive by reconnaissance of the 1500-foot radius from the source area. Only two well information letters were returned to Shield.

Refer to the following Table(s) and Figure(s) for information and locations of area receptors.

Refer to Table(s): Table 1
Refer to Figure(s): Figure 3

1.2.3 **Groundwater Flow Direction:**

- Current Groundwater Elevation Data is included in the following table(s) and figure(s):

Refer to Table(s): Table 2
Refer to Figure(s): Figure 4

- Current groundwater flow direction is generally toward the south.

1.2.4 Free Product:

- Free Product Detected during this Reporting Period?: Free product was measured in RW-1 at a thickness of 0.01 feet prior to the Mobile Multi Phase Extraction (MMPE) on October 26, 2015.
- Historical Free Product Thickness Data is included in the following table:

Refer to Table(s): Table 3

- Free Product Recovered during this Period: 1.68 gallons of volatile organic compounds (VOCs) were removed as vapor during the MMPE.
- Free Product Recovery Method: MMPE

1.2.5 Groundwater Analytical Results:

- Sampled Points and Analytical Methods: The following monitoring wells and other points were sampled during this reporting period.

Sampled Points and Analytical Methods for this Reporting Period Based on CAP and Pre-Approval Task Authorization Sampling Requirements		
Type	Points Sampled during this Reporting Period	Analytical Method(s)
Monitoring Wells	(8) Wells (MW-1A, MW-2, MW-3, MW-6, MW-7, MW-9, MW-10, and DMW-1)	• EPA Method 6200B
Water Supply Wells	None*	• EPA Method 6200B
Recovery Wells	4 (RW-1 through RW-4)	• EPA Method 6200B

*WSW-Putnam well that was formerly sampled was not required by NCDEQ to be sampled during this sampling event.

- Laboratory Used: Pace Analytical Services, Inc., Huntersville, NC

- Current Groundwater Analytical Data:

Refer to the following table(s) and Appendix for current groundwater analytical data.

Refer to Table(s): Table 4
Refer to Appendix: Appendix A

- Historical Groundwater Analytical Data:

Refer to the following table(s) and Graph(s) for historical groundwater analytical data.

Refer to Table(s): Table 5
Refer to Graph(s): Graphs of Concentrations/Hydrographs vs. Time

- Dissolved Phase Plume Size and Location:

The benzene dissolved phase plume is elliptical-irregular triangle in shape and has an approximate length of 75 feet and width of 60 feet for concentrations above the 2L Standard of 1 ug/L. The plume is located as shown on the following Figures.

Refer to Figure(s): Figures 5 through 12

- Proximity of Plume to Nearest Receptor(s):

The dissolved phase plume is approximately 200 feet from the nearest receptor (WSW-1). This well is operational and used for washing cars at the Ford dealership.

- Predictive Rate of Contaminant Transport:

Refer to the Comprehensive Site Assessment (CSA) and Corrective Action Plan (CAP). Contaminant transport is typically in the same direction as groundwater flow, but with a slower velocity. Refer to the following Table(s) and Figure(s):

Refer to Table(s): Table 2 through Table 5
Refer to Figure(s): Figures 4 through 12

1.2.6 Other Field Data Collected:

- No other field data was collected.

2.0 DISCUSSION OF REMEDIATION ACTIVITIES

2.1 Summary of Remediation Activities to Date:

- A 96-hour, mobile multi-phase extraction (MMPE) event was conducted at the Keeter site from October 26 through October 30, 2015 as approved by the NCDEQ in the Pre-Approval Task Authorization 11356-22. Advanced Environmental Services, Inc. of Greensboro, North Carolina conducted the MMPE event on DMW-1 and recovery well RW-1. The location of all site monitoring wells is illustrated on Figure 2. Based on 96.0 hours of operation approximately 4,427 gallons were recovered from DMW-1 and RW-1. During the event, the average groundwater recovery rate was calculated to be approximately 46.11 gallons per hour for DMW-1 and RW-1 combined. Based on mass-removal calculations (Advanced Environmental Services, Inc., 2002), 10.35 pounds or 1.68 gallons of product was removed as vapor from DMW-1 and RW-1. A copy of the MMPE Report submitted to Shield Engineering, Inc. by Advanced Environmental Services, Inc. has been included in Appendix B.
- To date as presented in Table 3, approximately 414.06 gallons of free product and 69,007.25 gallons of contaminated groundwater have been recovered using Aggressive Fluid Vapor Recovery (AFVR), MMPE, hand bailing, and absorbent sock techniques at the site.

3.0 CONCLUSIONS AND RECOMMENDATIONS

3.1 Progress of Clean-up/Plume Status:

- Free product was measured in RW-1 at a thickness of 0.01 feet prior to the Mobile Multi Phase Extraction (MMPE) on October 26, 2015.
- Dissolved phase petroleum constituent compounds were detected in concentrations above 15A NCAC 2L .0202 (2L Standards) in monitoring wells MW-1A, MW-3, MW-10, DMW-1, and recovery wells RW-1 through RW-4, during this period. Benzene was detected above the gross contaminant level (GCL) in DMW-1.
- Since the previous sampling event or previous time the wells were sampled, dissolved phase petroleum constituent compound concentrations have generally decreased in MW-1A, MW-2, RW-1, and RW-2 and increased in MW-3, MW-10, DMW-1, RW-3, and RW-4. Constituent concentrations continue to remain below the laboratory method detection limits in the groundwater samples collected from MW-6, MW-7, and MW-9 during this sampling event.
- Dissolved phase petroleum plume size has decreased slightly since the previous sampling event.

3.2 Interpretations of Submitted Data:

- The receptor survey update conducted on August 3, 2007 confirmed that one water supply well (WSW-1) is located within a 500-foot radius of the site and is used for non-potable activities. Two wells, WSW-Putman and WSW-2, were observed within 1000 ft radius of the site. According to the owner of WSW-Putnam, she can switch between city water and the water supply well for potable water. The tenant at 2221 South Kings Road (WSW-2) stated that they did not use the water supply well for potable purposes. These supply wells are all upgradient of the incident source area.
- Based on the results for the groundwater sampling event conducted on December 4, 2015, the groundwater contamination at the site is above the 2L Standards and the GCL for benzene. Shield recommends conducting additional MMPE events in conjunction with mobile air sparging in DMW-1 to further reduce contaminant concentrations to below the gross contaminate levels and allow obtaining no further action and/or closure from the NCDEQ via a Notice of Residual Petroleum.
- The next semi-annual sampling event is scheduled for June 2016 following an MMPE to be conducted in May 2016.

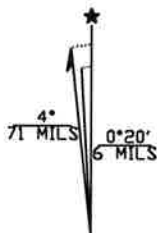
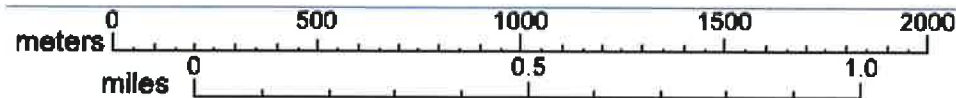
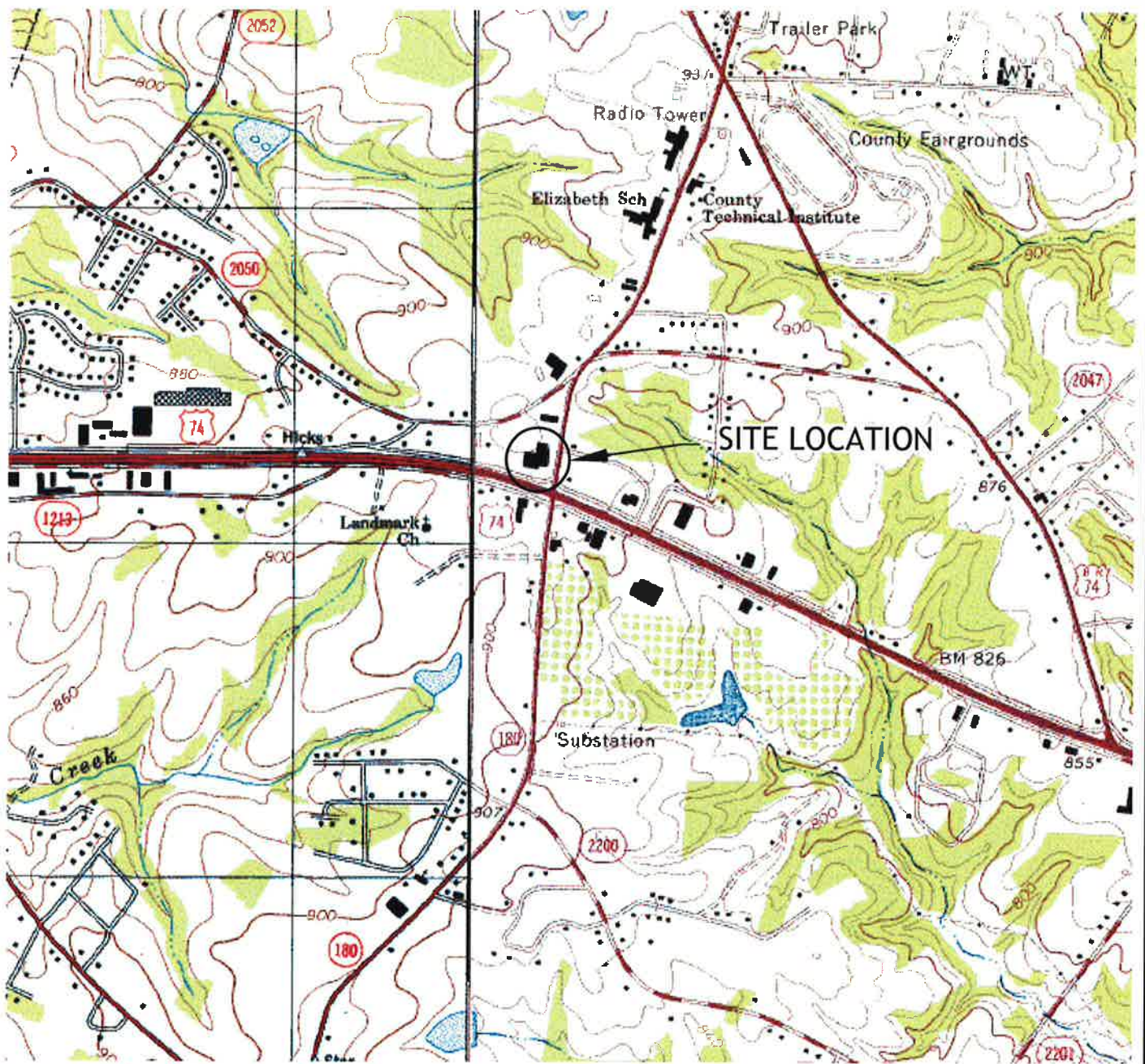
4.0 LIMITATIONS

Shield has performed environmental services at the subject site on behalf of Petroleum World, Inc. Shield has performed this scope of work as an independent contractor/consultant using reasonable care and skill in accordance and consistent with customary industry standards of engineering, geology, and hydrogeology practices. This standard of care is the sole and exclusive standard of care that can be applied to measure Shield's performance of the work. No other warranty, expressed or implied, is made or intended by Shield.

The report has been prepared for the exclusive use by Petroleum World, Inc. All recommendations, findings, and conclusions made by Shield have been made to the best of Shield's knowledge, opinion, and belief, based upon information obtained during this scope of work and is limited by the scope nature and type of services as agreed upon between Petroleum World, Inc. and Shield. Conclusions are provided with the understanding that Shield is presenting information and not rendering legal advice. If such advice is needed, legal counsel should be consulted. It is the responsibility of Petroleum World, Inc., under advice of its counsel, to notify the appropriate federal, state, or local public agencies as required by law; or otherwise to disclose in a timely manner, any information that may be necessary to prevent damage to human health, safety, or the environment.

Compliance with recommendations provided as part of this report in no way assures compliance with federal, state, and/or local laws, regulations, and/or requirements. Analytical data has been obtained from Pace Analytical Services, Inc. This information, to the extent that it was relied on to generate this report, is assumed to be correct and complete. The work performed in conjunction with this report and the data developed are intended as a description of available information at the dates and specific locations given. Shield is not responsible for inspecting, examining, or reporting findings or recommendations with respect to any conditions that were knowingly or unknowingly withheld, concealed, hidden, or in any way not disclosed or observable at the time of this scope of work.

FIGURES



SHELBY, NC



SHIELD
ENGINEERING, INC.

4301 TAGGART CREEK ROAD
CHARLOTTE, NC 28208
704-394-6913
704-394-6968 fax
www.shieldengineering.com

SITE LOCATION MAP

KEETER FORD
1775 EAST DIXON BLVD., SHELBY
CLEVELAND COUNTY, NORTH CAROLINA
SHIELD # 1950189

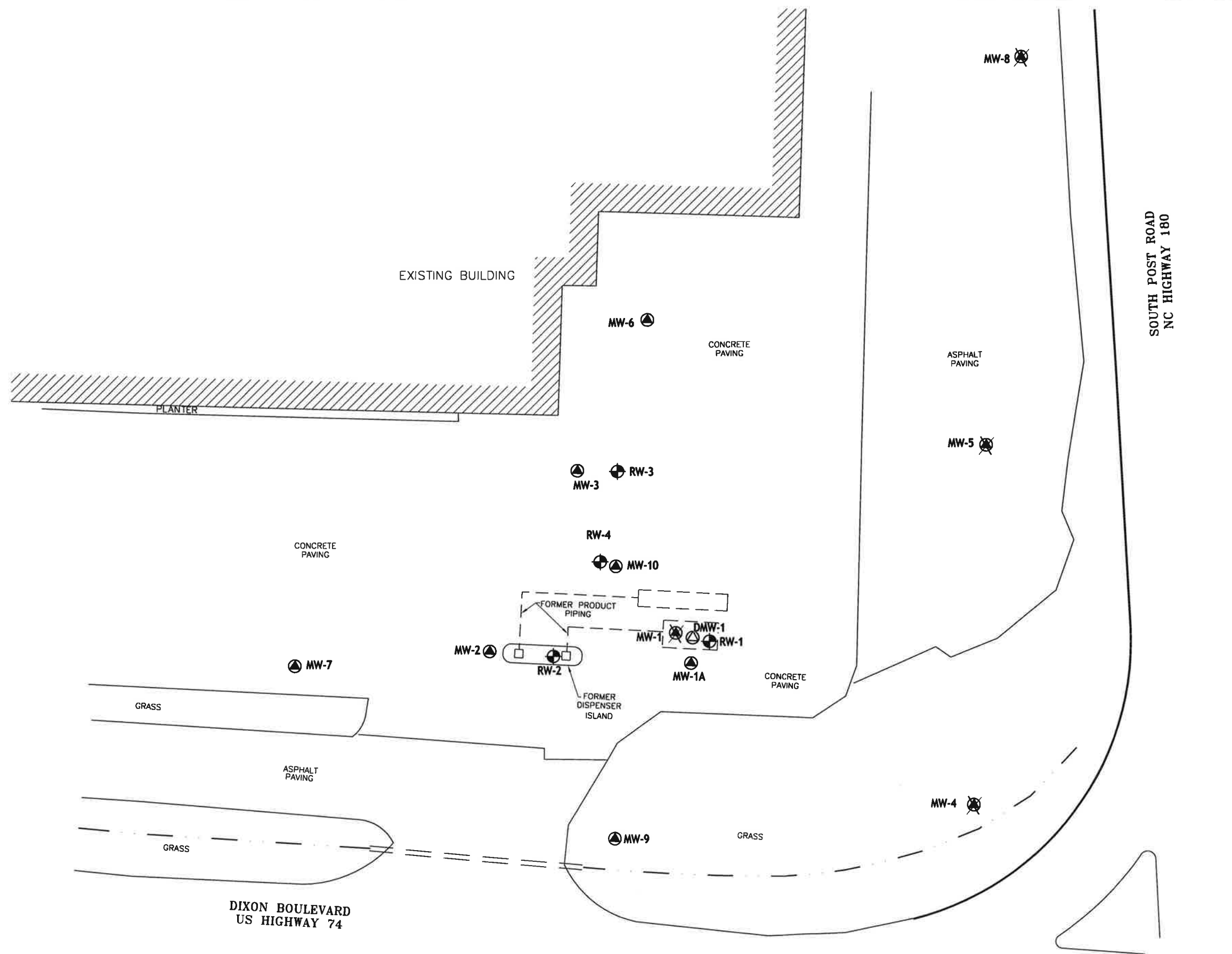
DATE : 03/11/04

DRAWN BY : DE

SCALE : AS SHOWN

FIGURE : 1

H:\Projects\1995\1950189 Keeter Ford\Figures\1950189 JAN 2016 MAPS.dwg



LEGEND:

- DRAINAGE DITCH
- UST (REMOVED)
- ⊙ TYPE II MONITORING WELL
- ⊙ TYPE III MONITORING WELL
- ⊗ WELL DESTROYED OR ABANDONED
- ⊕ 6" RECOVERY WELL

NOTES:

- 1- ALL LOCATIONS ARE APPROXIMATE.
- 2- CONTOUR INTERVAL = AS SHOWN
- 3- MW-1 WAS DESTROYED 06/18/97 AND REPLACED BY MW-1A ON 07/28/97. MW-4 WAS ABANDONED. MW-5 AND MW-8 WERE DESTROYED BY THE NCDOT.
- 4- SITE SURVEY PERFORMED MARCH 21, 1996 BY MURPHY, HOBSON SACKS REGISTERED LAND SURVEYORS L-3602

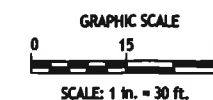


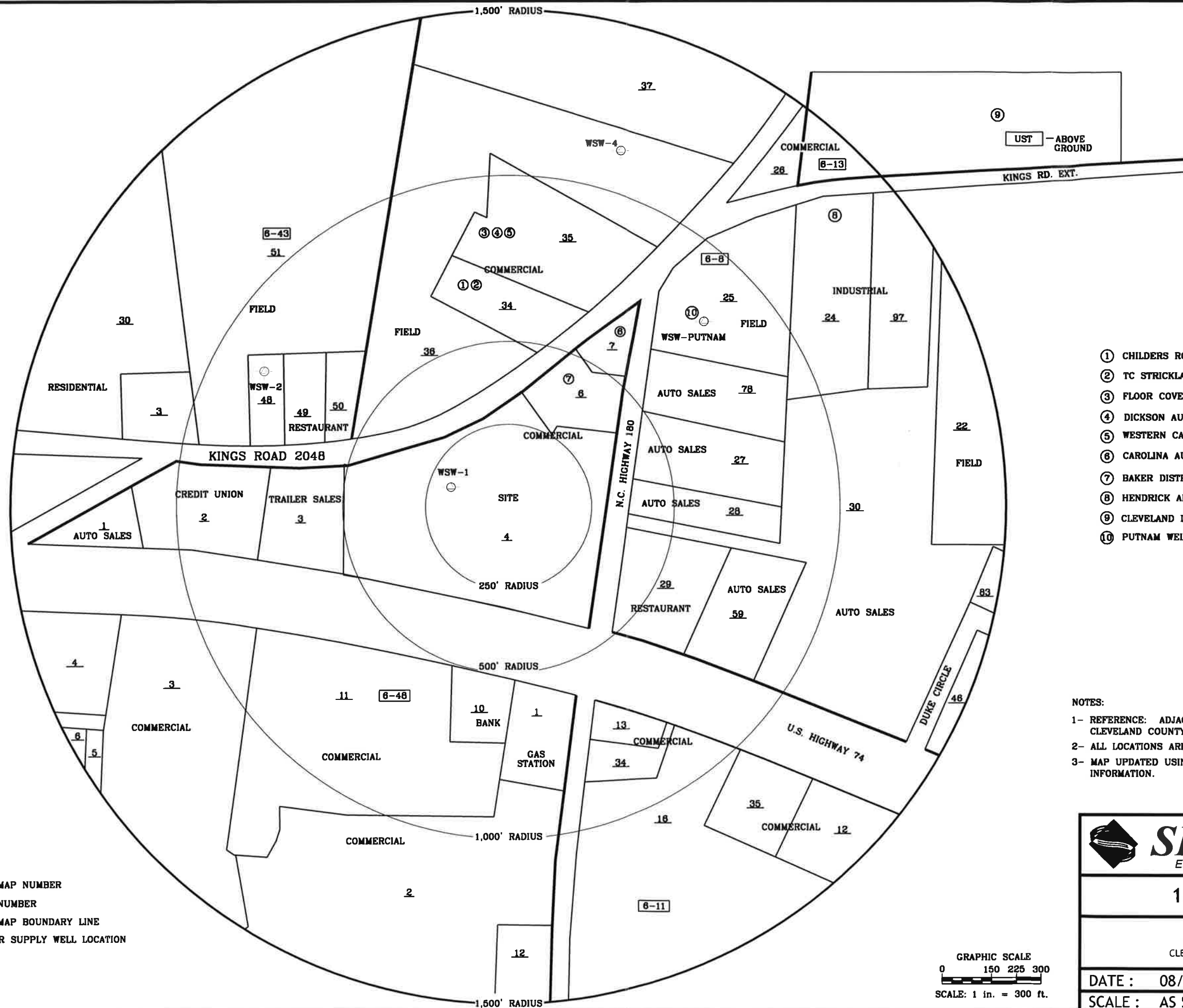
SITE MAP

KEETER FORD

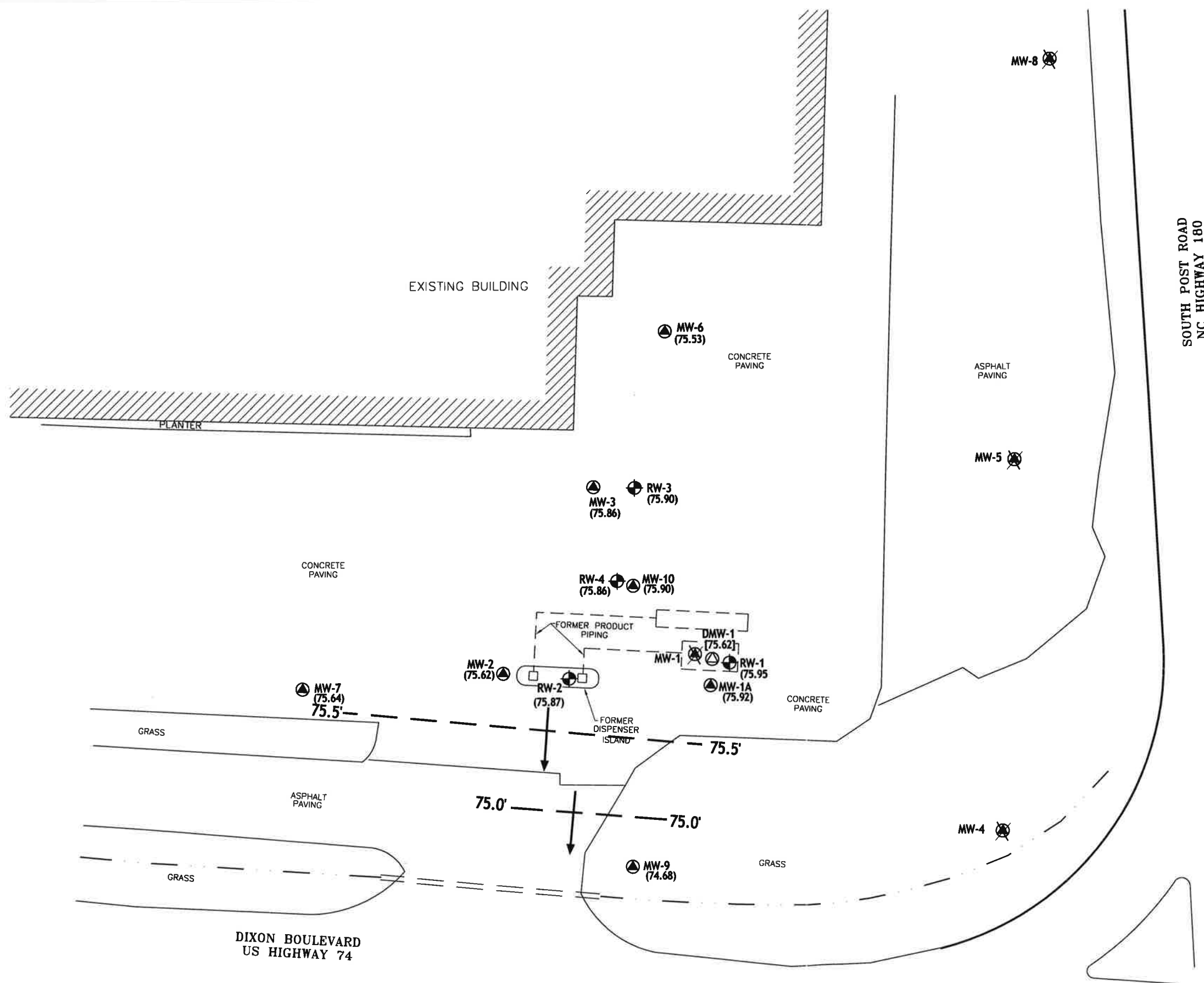
1775 EAST DIXON BLVD.
SHELBY, CLEVELAND COUNTY, NORTH CAROLINA
SHIELD # 1950189

DATE :	12/23/15	DRAWN BY :	RBS
SCALE :	AS SHOWN	FIGURE :	2





- ① CHILDERS ROOFING
- ② TC STRICKLAND CONSTRUCTION
- ③ FLOOR COVERING & CARPET OUTLET
- ④ DICKSON AUTO SUPPLY
- ⑤ WESTERN CAROLINA PLUMBING SUPPLIES
- ⑥ CAROLINA AUTO GLASS
- ⑦ BAKER DISTRIBUTION CO.
- ⑧ HENDRICK APPLIANCE & SERVICE
- ⑨ CLEVELAND INDUSTRIAL WIPERS
- ⑩ PUTNAM WELL



SOUTH POST ROAD
NC HIGHWAY 180

DIXON BOULEVARD
US HIGHWAY 74

LEGEND:

- | | |
|---|--|
|  | DRAINAGE DITCH |
|  | UST (REMOVED) |
|  | TYPE II MONITORING WELL |
|  | TYPE III MONITORING WELL |
|  | WELL DESTROYED OR ABANDONED |
|  | 6" RECOVERY WELL |
|  | RELATIVE GROUNDWATER ELEVATION CONTOUR LINE (ft) |
|  | RELATIVE GROUNDWATER ELEVATION (ft) |
|  | GROUNDWATER ELEVATION NOT USED IN CONTOURING (ft) |
|  | GENERALIZED GROUNDWATER FLOW DIRECTION |

NOTES

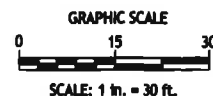
- 1- DEPTHS TO GROUNDWATER MEASURED ON 12/04/15.
- 2- CONTOUR INTERVAL = AS SHOWN
- 3- MW-1 WAS DESTROYED 06/18/97 AND REPLACED BY MW-1A ON 07/28/97. MW-4 WAS ABANDONED. MW-5 AND MW-8 WERE DESTROYED BY THE NCDOT.
- 4- SITE SURVEY PERFORMED MARCH 21, 1996 BY MURPHY, HOBSON SACKS REGISTERED LAND SURVEYORS L-3602
- 5- ALL LOCATIONS ARE APPROXIMATE



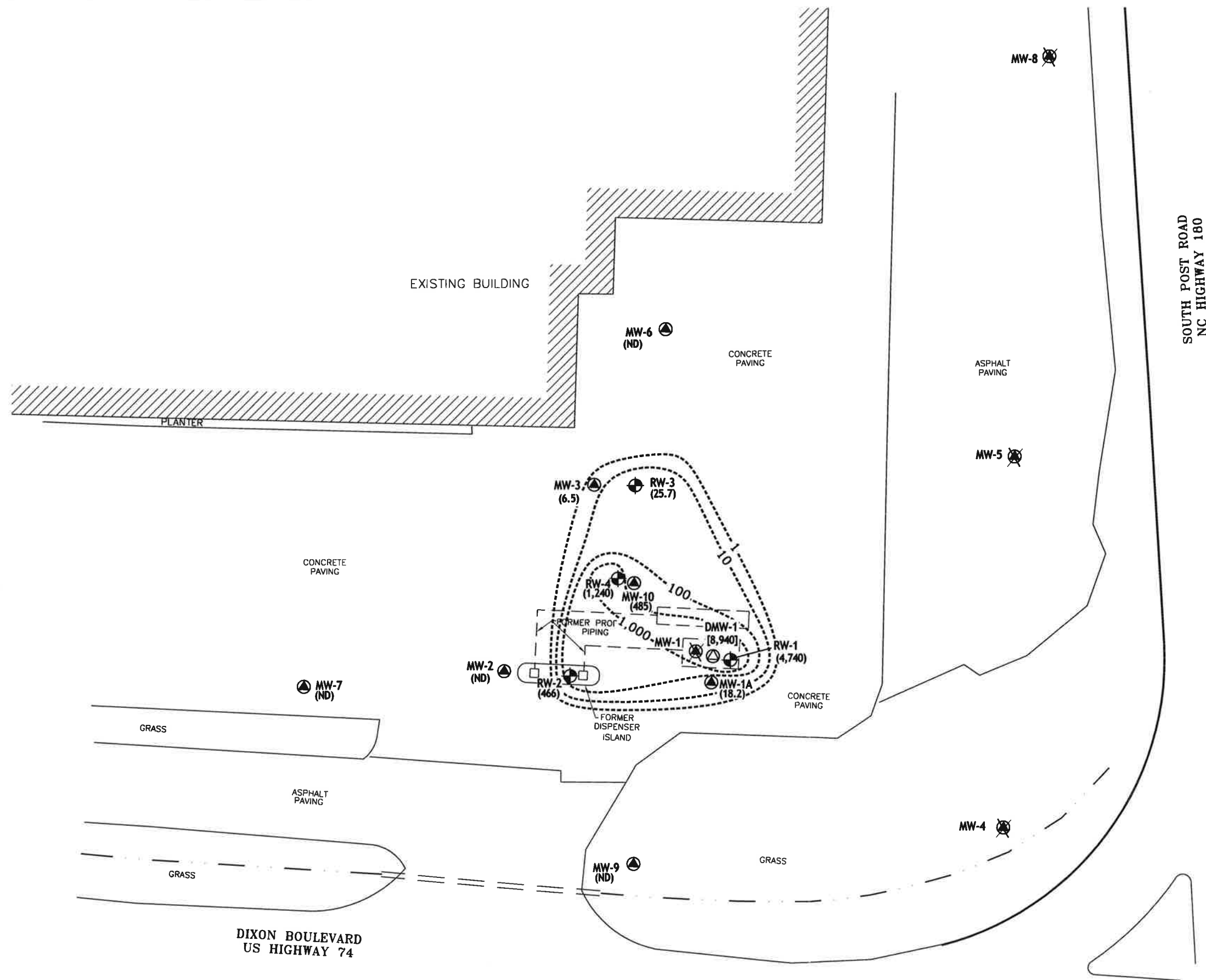
GROUNDWATER ELEVATION CONTOUR MAP

KEETER FORD
1775 EAST DIXON BLVD.
SHELBY, CLEVELAND COUNTY, NORTH CAROLINA
SHIELD # 1950189

DATE : 12/23/15	DRAWN BY : RBS
SCALE : AS SHOWN	FIGURE : 4



H:\Projects\1995\1950189 Keeter Ford\Figures\1950189 JAN 2016 MAPS.dwg



LEGEND:

- DRAINAGE DITCH
- [] UST (REMOVED)
- ⊙ TYPE II MONITORING WELL
- ⊙ TYPE III MONITORING WELL
- ⊗ WELL DESTROYED OR ABANDONED
- ⊕ 6" RECOVERY WELL
- (ug/L) MICROGRAMS PER LITER
- APPROXIMATE BENZENE ISOCONCENTRATION CONTOUR LINE (ug/L)
- APPROXIMATE BENZENE ISOCONCENTRATION CONTOUR LINE (ug/L) EXCEEDING GROSS CONTAMINATION LEVEL (GCL)
- (4,740) BENZENE CONCENTRATION (ug/L)
- [8,940] BENZENE CONCENTRATION NOT USED IN CONTOURING (ug/L)
- (ND) LESS THAN THE METHOD DETECTION LIMITS SPECIFIED IN THE LABORATORY REPORT

NOTES:

- 1- GROUNDWATER SAMPLES COLLECTED ON 12/04/15.
- 2- CONTOUR INTERVAL = AS SHOWN
- 3- MW-1 WAS DESTROYED 06/18/97 AND REPLACED BY MW-1A ON 07/28/97. MW-4 WAS ABANDONED. MW-5 AND MW-8 WERE DESTROYED BY THE NCDOT.
- 4- SITE SURVEY PERFORMED MARCH 21, 1996 BY MURPHY, HOBSON SACKS REGISTERED LAND SURVEYORS L-3602
- 5- ALL LOCATIONS ARE APPROXIMATE.



SHIELD
ENGINEERING, INC.

4301 TAGGART CREEK ROAD
CHARLOTTE, NC 28208
704-804-6913
704-804-6988 fax
www.shieldengineering.com

BENZENE ISOCONCENTRATION MAP

KEETER FORD

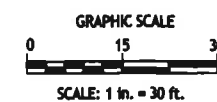
1775 EAST DIXON BLVD.
SHELBY, CLEVELAND COUNTY, NORTH CAROLINA
SHIELD # 1950189

DATE : 12/23/15

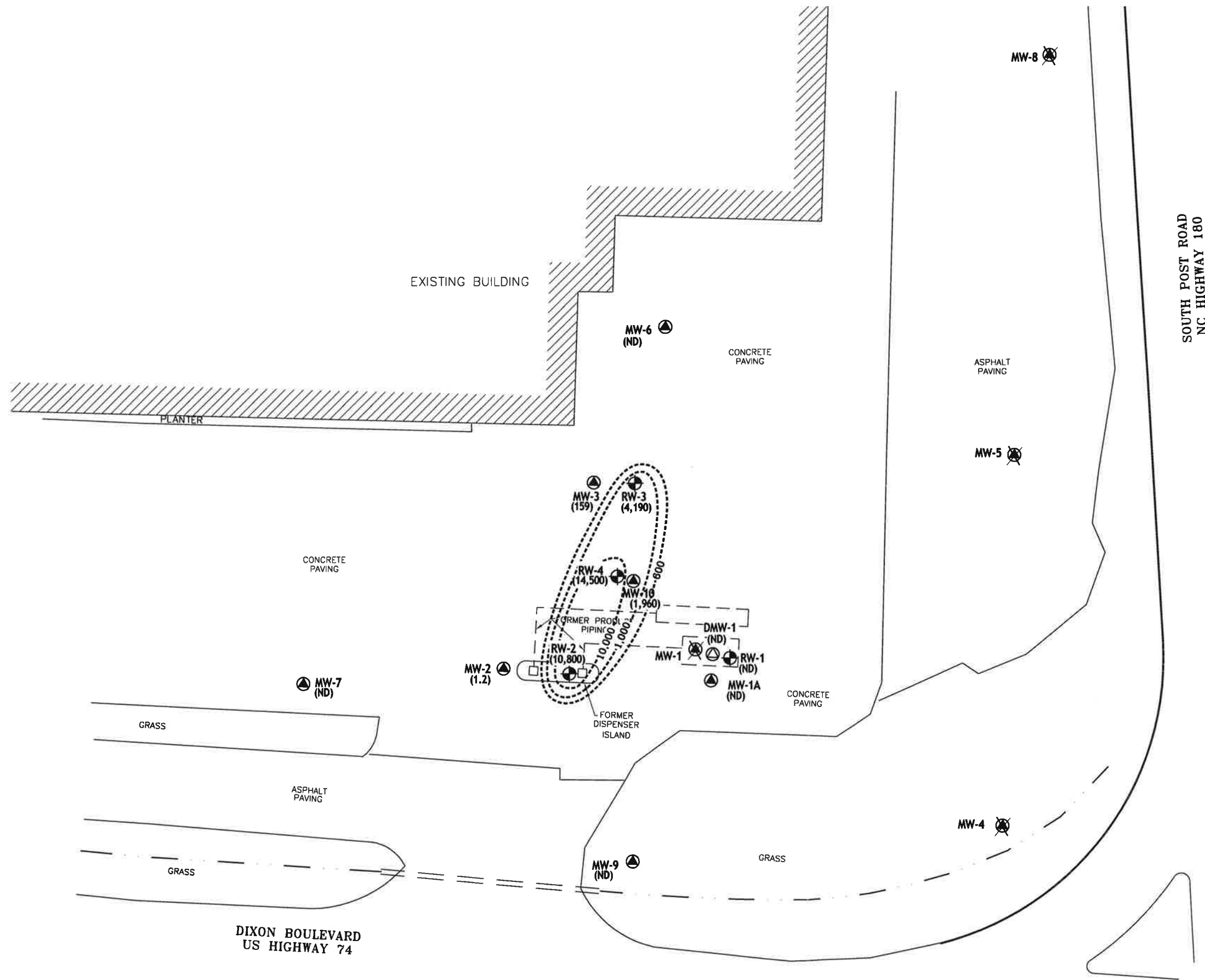
DRAWN BY : RBS

SCALE : AS SHOWN

FIGURE : 5



H:\Projects\1995\1950189 Keeter Ford\Figures\1950189 JAN 2016 MAPS.dwg



LEGEND:

---	DRAINAGE DITCH
[]	UST (REMOVED)
⊙	TYPE II MONITORING WELL
⊗	TYPE III MONITORING WELL
⊗	WELL DESTROYED OR ABANDONED
⊕	6" RECOVERY WELL
(ug/L)	MICROGRAMS PER LITER
---	APPROXIMATE TOLUENE ISOCONCENTRATION CONTOUR LINE (ug/L)
(14,500)	TOLUENE CONCENTRATION (ug/L)
(ND)	LESS THAN THE METHOD DETECTION LIMITS SPECIFIED IN THE LABORATORY REPORT

NOTES:

- 1- GROUNDWATER SAMPLES COLLECTED ON 12/04/15.
- 2- CONTOUR INTERVAL = AS SHOWN
- 3- MW-1 WAS DESTROYED 06/18/97 AND REPLACED BY MW-1A ON 07/28/97. MW-4 WAS ABANDONED. MW-5 AND MW-8 WERE DESTROYED BY THE NCDOT.
- 4- SITE SURVEY PERFORMED MARCH 21, 1996 BY MURPHY, HOBSON SACKS REGISTERED LAND SURVEYORS L-3602
- 5- ALL LOCATIONS ARE APPROXIMATE.

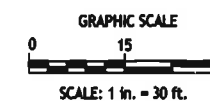


TOLUENE ISOCONCENTRATION MAP

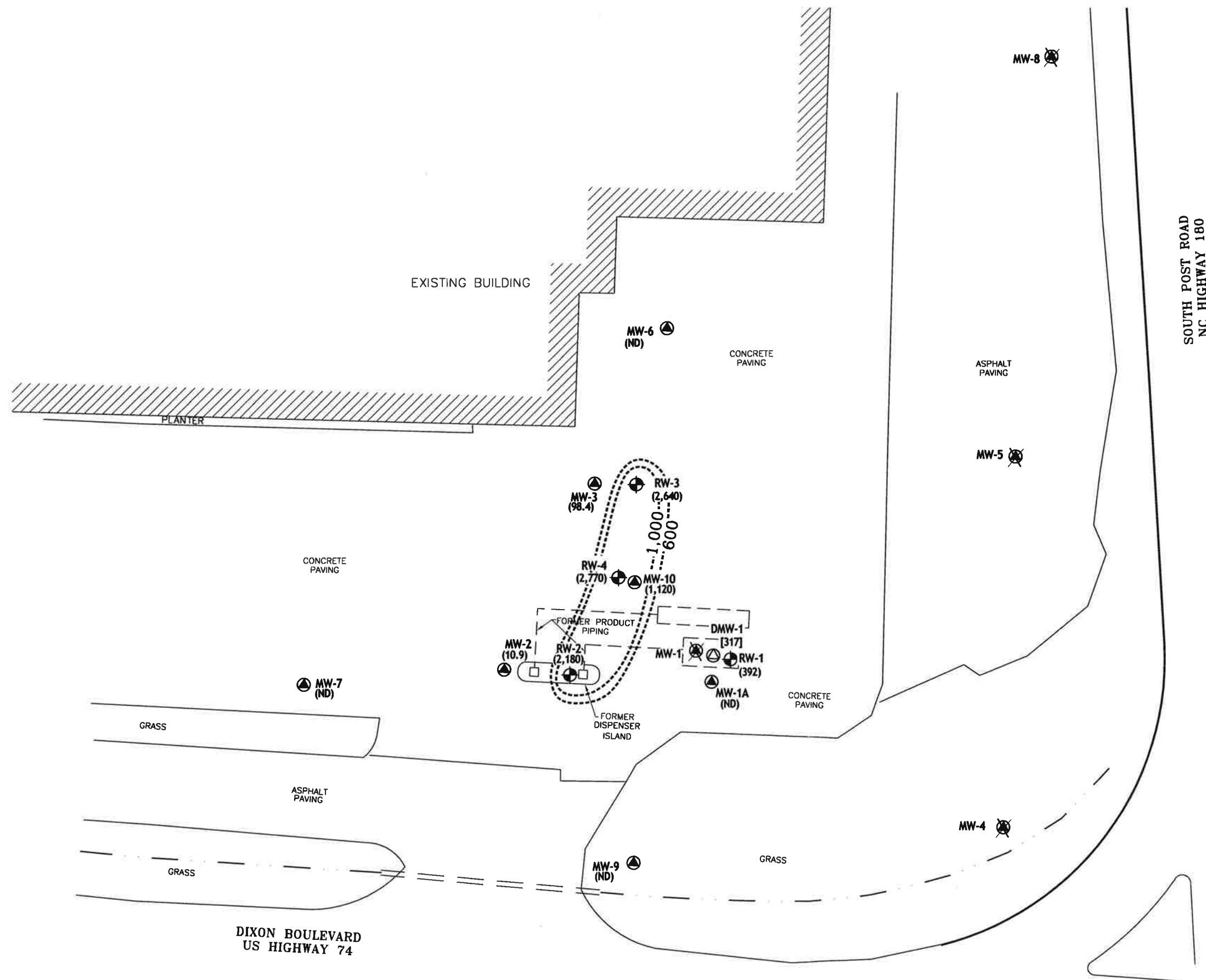
KEETER FORD

1775 EAST DIXON BLVD.
SHELBY, CLEVELAND COUNTY, NORTH CAROLINA
SHIELD # 1950189

DATE :	12/23/15	DRAWN BY :	RBS
SCALE :	AS SHOWN	FIGURE :	6



H:\Projects\1995\1950189 Keeter Ford\Figures\1950189 JAN 2016 MAPS.dwg



LEGEND:

- DRAINAGE DITCH
- [] UST (REMOVED)
- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- ⊗ WELL DESTROYED OR ABANDONED
- ⊕ 6" RECOVERY WELL
- (ug/L) MICROGRAMS PER LITER
- APPROXIMATE ETHYLBENZENE ISOCONCENTRATION CONTOUR LINE (ug/L)
- (2,770) ETHYLBENZENE CONCENTRATION (ug/L)
- [317] ETHYLBENZENE CONCENTRATION NOT USED IN CONTOURING (ug/L)
- (ND) LESS THAN THE METHOD DETECTION LIMITS SPECIFIED IN THE LABORATORY REPORT

NOTES:

- 1- GROUNDWATER SAMPLES COLLECTED ON 12/04/15.
- 2- CONTOUR INTERVAL = AS SHOWN
- 3- MW-1 WAS DESTROYED 06/18/97 AND REPLACED BY MW-1A ON 07/28/97. MW-4 WAS ABANDONED. MW-5 AND MW-8 WERE DESTROYED BY THE NCDOT.
- 4- SITE SURVEY PERFORMED MARCH 21, 1996 BY MURPHY, HOBSON SACKS REGISTERED LAND SURVEYORS L-3602
- 5- ALL LOCATIONS ARE APPROXIMATE.

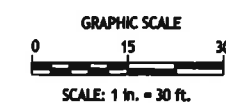


ETHYLBENZENE ISOCONCENTRATION MAP

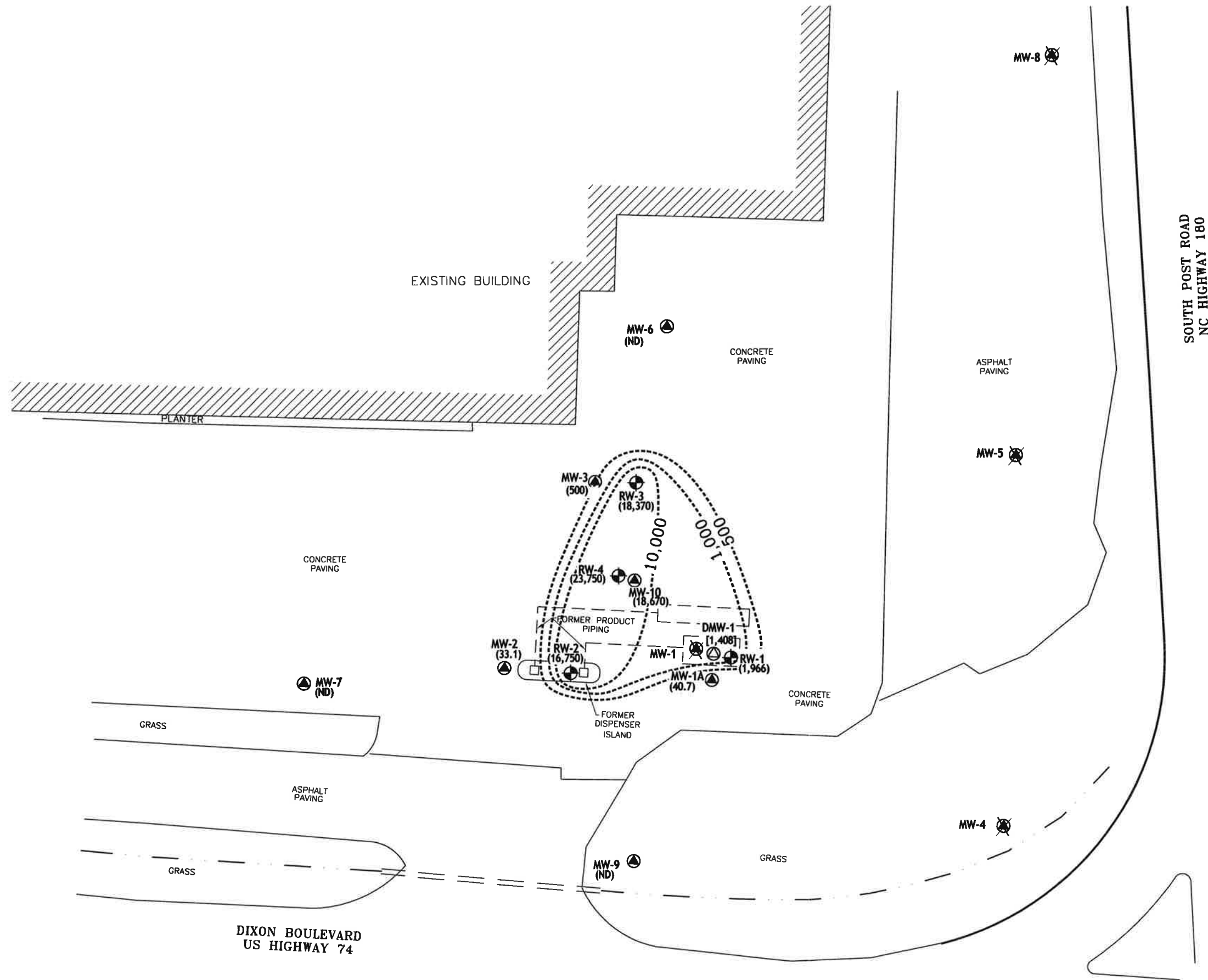
KEETER FORD

1775 EAST DIXON BLVD.
SHELBY, CLEVELAND COUNTY, NORTH CAROLINA
SHIELD # 1950189

DATE :	12/23/15	DRAWN BY :	RBS
SCALE :	AS SHOWN	FIGURE :	7



H:\Projects\1995\1950189 Keeter Ford\Figures\1950189 JAN 2016 MAPS.dwg



LEGEND:

- DRAINAGE DITCH
- [] UST (REMOVED)
- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- ⊗ WELL DESTROYED OR ABANDONED
- ⊕ 6" RECOVERY WELL
- (ug/L) MICROGRAMS PER LITER
- APPROXIMATE TOTAL XYLENES ISOCONCENTRATION CONTOUR LINE (ug/L)
- (18,670) TOTAL XYLENES CONCENTRATION (ug/L)
- [1,408] TOTAL XYLENES CONCENTRATION NOT USED IN CONTOURING (ug/L)
- (ND) LESS THAN THE METHOD DETECTION LIMITS SPECIFIED IN THE LABORATORY REPORT

NOTES:

- 1- GROUNDWATER SAMPLES COLLECTED ON 12/04/15.
- 2- CONTOUR INTERVAL - AS SHOWN
- 3- MW-1 WAS DESTROYED 06/18/97 AND REPLACED BY MW-1A ON 07/28/97. MW-4 WAS ABANDONED. MW-5 AND MW-8 WERE DESTROYED BY THE NCDOT.
- 4- SITE SURVEY PERFORMED MARCH 21, 1996 BY MURPHY, HOBSON SACKS REGISTERED LAND SURVEYORS L-3602
- 5- ALL LOCATIONS ARE APPROXIMATE.



SHIELD
ENGINEERING, INC.

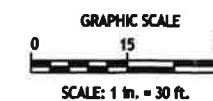
4301 TAGGART CREEK ROAD
CHARLOTTE, NC 28208
704-894-8913
704-894-8918 fax
www.shieldengineering.com

TOTAL XYLENES ISOCONCENTRATION MAP

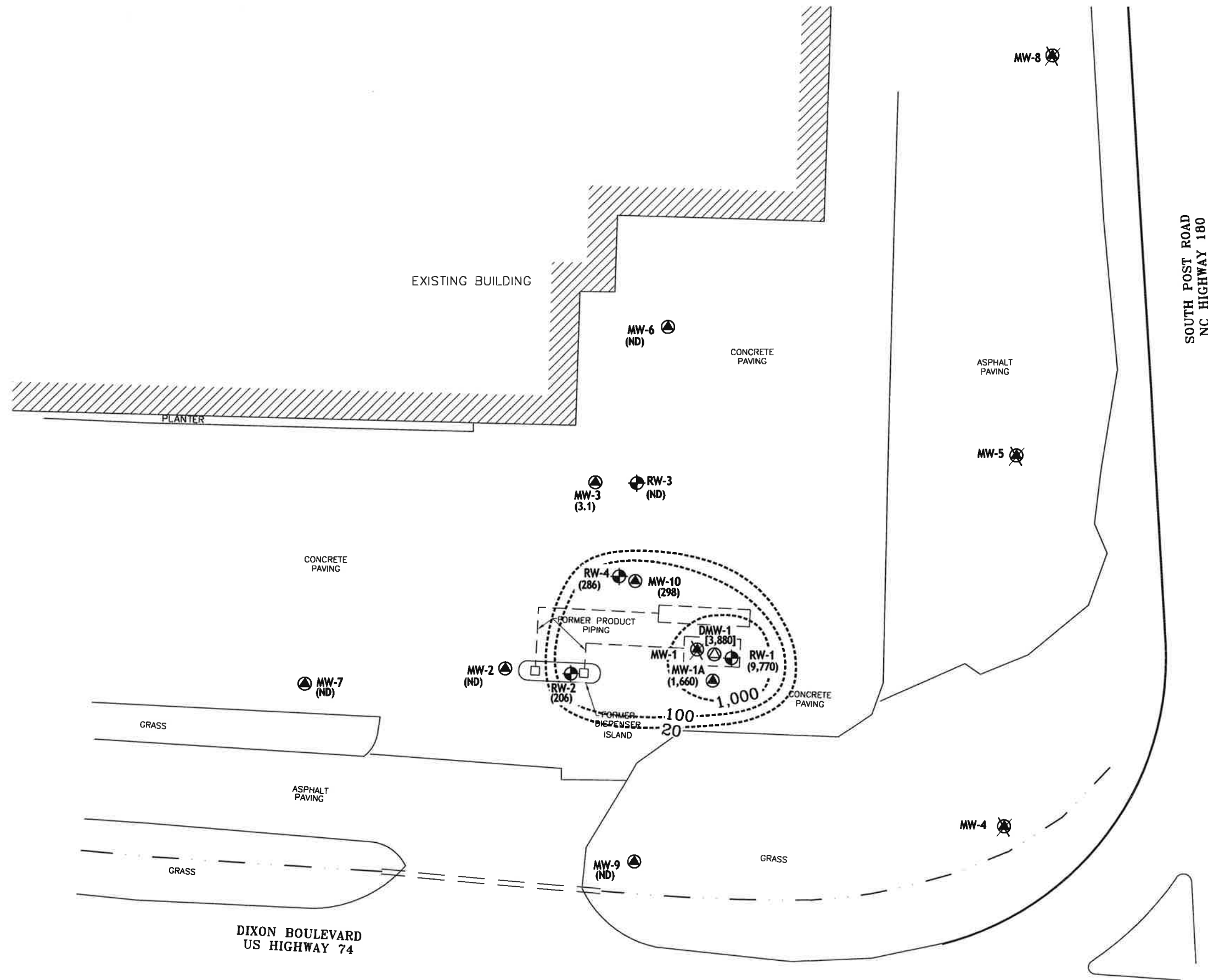
KEETER FORD

1775 EAST DIXON BLVD.
SHELBY, CLEVELAND COUNTY, NORTH CAROLINA
SHIELD # 1950189

DATE :	12/23/15	DRAWN BY :	RBS
SCALE :	AS SHOWN	FIGURE :	8



H:\Projects\1995\1950189 Keeter Ford\Figures\1950189 JAN 2016 MAPS.dwg



LEGEND:

- DRAINAGE DITCH
- UST (REMOVED)
- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- WELL DESTROYED OR ABANDONED
- 6" RECOVERY WELL
- (ug/L) MICROGRAMS PER LITER
- MTBE METHYL-TERTIARY-BUTYL-ETHER
- (9,770) MTBE CONCENTRATION (ug/L)
- APPROXIMATE MTBE ISOCONCENTRATION CONTOUR LINE (ug/L)
- [3,880] MTBE CONCENTRATION NOT USED IN CONTOURING (ug/L)
- (ND) LESS THAN THE METHOD DETECTION LIMITS SPECIFIED IN THE LABORATORY REPORT

NOTES:

- GROUNDWATER SAMPLES COLLECTED ON 12/04/15.
- CONTOUR INTERVAL = AS SHOWN
- MW-1 WAS DESTROYED 06/18/97 AND REPLACED BY MW-1A ON 07/28/97. MW-4 WAS ABANDONED. MW-5 AND MW-8 WERE DESTROYED BY THE NCDOT.
- SITE SURVEY PERFORMED MARCH 21, 1996 BY MURPHY, HOBSON SACKS REGISTERED LAND SURVEYORS L-3602
- ALL LOCATIONS ARE APPROXIMATE.



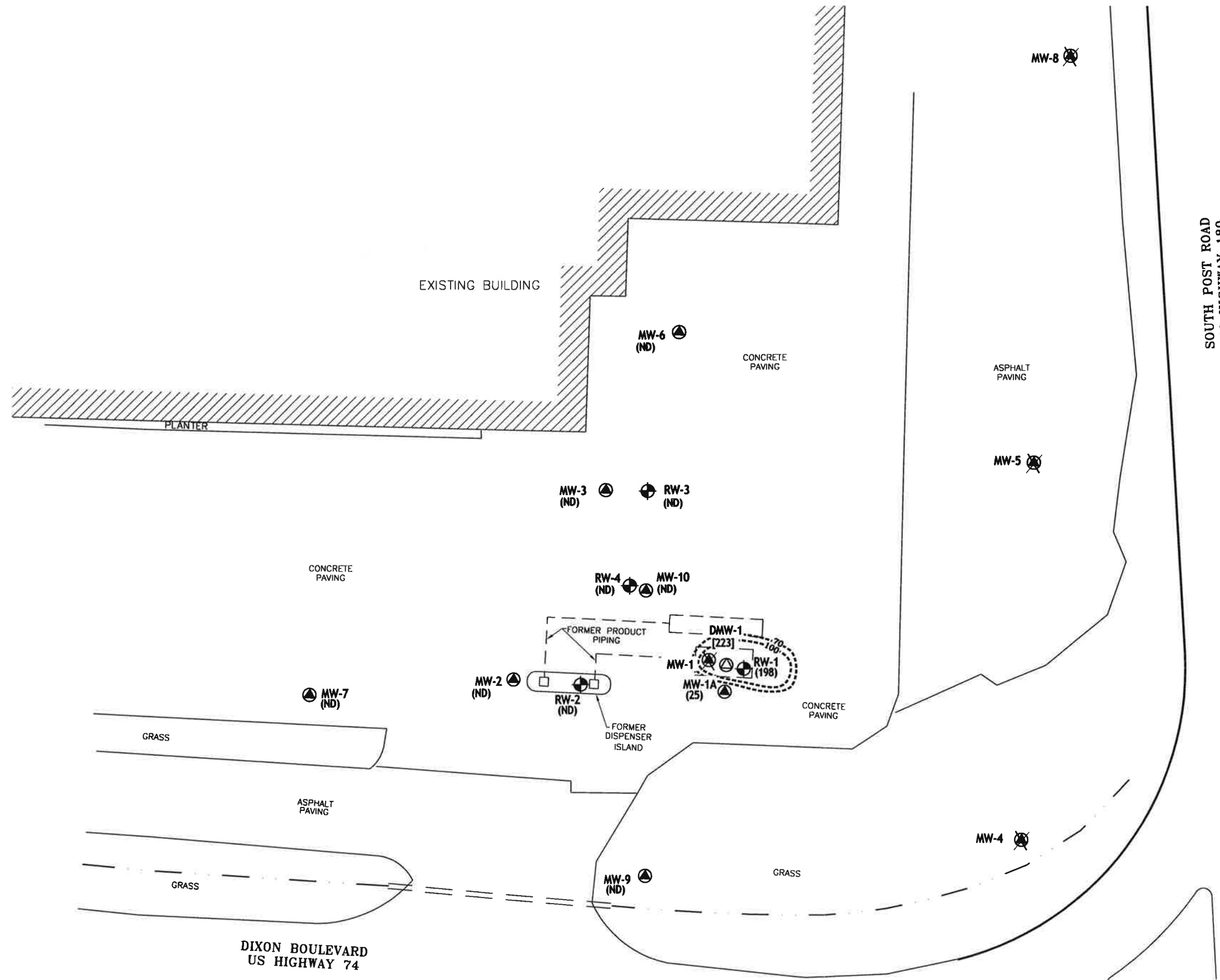
MTBE ISOCONCENTRATION MAP

KEETER FORD

1775 EAST DIXON BLVD.
SHELBY, CLEVELAND COUNTY, NORTH CAROLINA
SHIELD # 1950189

DATE : 12/23/15	DRAWN BY : RBS
SCALE : AS SHOWN	FIGURE : 9

H:\Projects\1995\1950189 Keeter Ford\Figures\1950189 JAN 2016 MAPS.dwg



LEGEND:

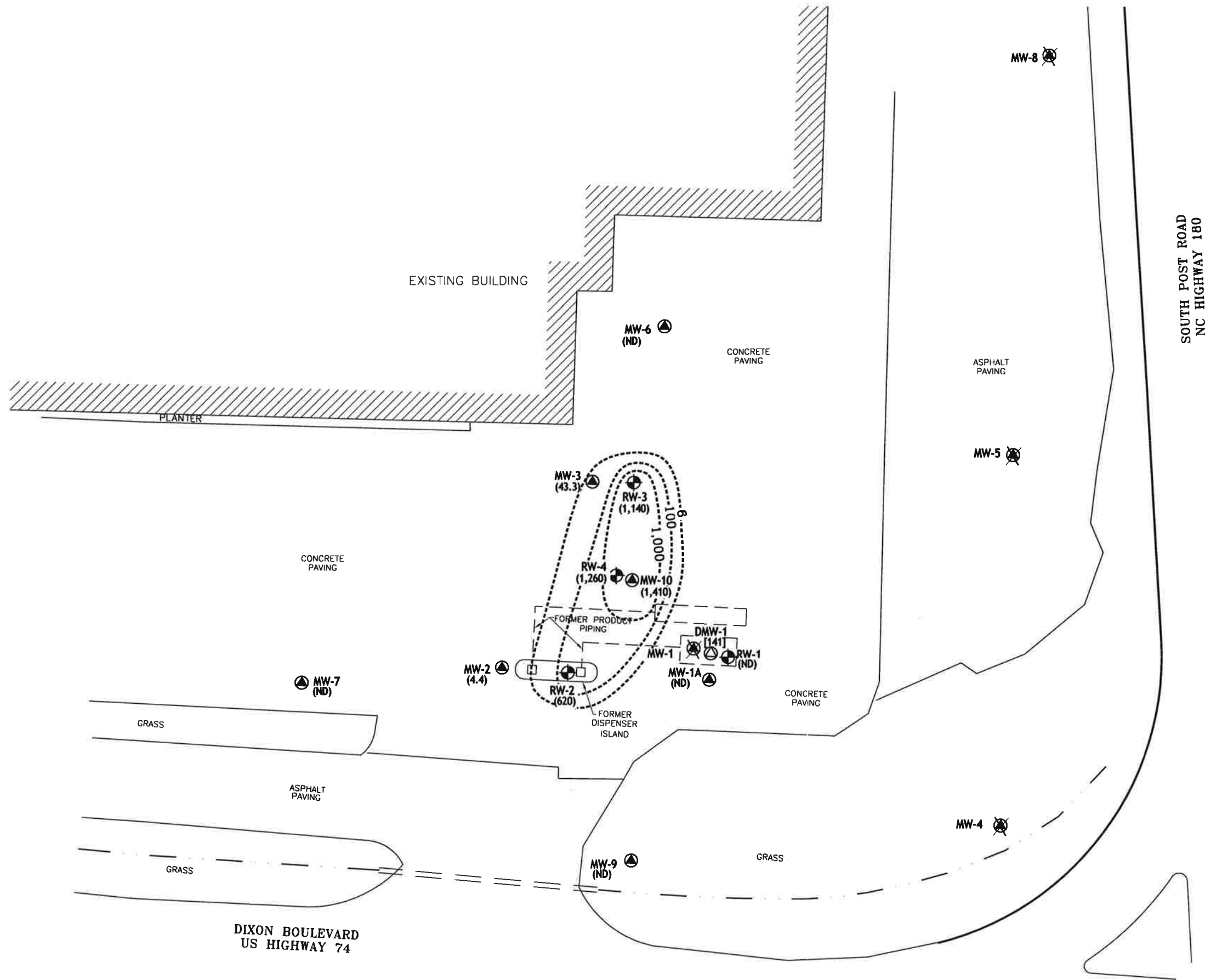
- DRAINAGE DITCH
- [] UST (REMOVED)
- ⊙ TYPE II MONITORING WELL
- ⊙ TYPE III MONITORING WELL
- ⊗ WELL DESTROYED OR ABANDONED
- ⊕ 6" RECOVERY WELL
- (ug/L) MICROGRAMS PER LITER
- (198) ISOPROPYL ETHER (IPE) CONCENTRATION (ug/L)
- [223] ISOPROPYL ETHER (IPE) CONCENTRATION NOT USED IN CONTOURING (ug/L)
- - - - - APPROXIMATE ISOPROPYL ETHER ISOCONCENTRATION CONTOUR LINE (ug/L)
- (ND) LESS THAN THE METHOD DETECTION LIMITS SPECIFIED IN THE LABORATORY REPORT

NOTES:

- 1- GROUNDWATER SAMPLES COLLECTED ON 12/04/15.
- 2- CONTOUR INTERVAL = AS SHOWN
- 3- MW-1 WAS DESTROYED 06/18/97 AND REPLACED BY MW-1A ON 07/28/97. MW-4 WAS ABANDONED. MW-5 AND MW-8 WERE DESTROYED BY THE MCDOT.
- 4- SITE SURVEY PERFORMED MARCH 21, 1996 BY MURPHY, HOBSON SACKS REGISTERED LAND SURVEYORS L-3602
- 5- ALL LOCATIONS ARE APPROXIMATE.

 SHIELD ENGINEERING, INC.		4301 TAGGART CREEK ROAD CHARLOTTE, NC 28208 704-884-8913 704-884-8919 fax www.shieldengineering.com
ISOPROPYL ETHER (IPE) ISOCONCENTRATION MAP		
KEETER FORD 1775 EAST DIXON BLVD. SHELBY, CLEVELAND COUNTY, NORTH CAROLINA SHIELD # 1950189		
DATE : 12/23/15	DRAWN BY : RBS	
SCALE : AS SHOWN	FIGURE : 10	

H:\Projects\1995\1950189 Keeter Ford\Figures\1950189 JAN 2016 MAPS.dwg



LEGEND:

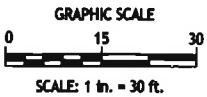
- DRAINAGE DITCH
- UST (REMOVED)
- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- ⊗ WELL DESTROYED OR ABANDONED
- ⊕ 6" RECOVERY WELL
- (ug/L) MICROGRAMS PER LITER
- (1,410) NAPHTHALENE CONCENTRATION (ug/L)
- [141] NAPHTHALENE CONCENTRATION NOT USED IN CONTOURING (ug/L)
- - - - - APPROXIMATE NAPHTHALENE ISOCONCENTRATION CONTOUR LINE (ug/L)
- (ND) LESS THAN THE METHOD DETECTION LIMITS SPECIFIED IN THE LABORATORY REPORT

- NOTES:**
- 1- GROUNDWATER SAMPLES COLLECTED ON 12/04/15.
 - 2- CONTOUR INTERVAL = AS SHOWN
 - 3- MW-1 WAS DESTROYED 06/18/97 AND REPLACED BY MW-1A ON 07/28/97. MW-4 WAS ABANDONED. MW-5 AND MW-8 WERE DESTROYED BY THE NCDOT.
 - 4- SITE SURVEY PERFORMED MARCH 21, 1996 BY MURPHY, HOBSON SACKS REGISTERED LAND SURVEYORS L-3602
 - 5- ALL LOCATIONS ARE APPROXIMATE.

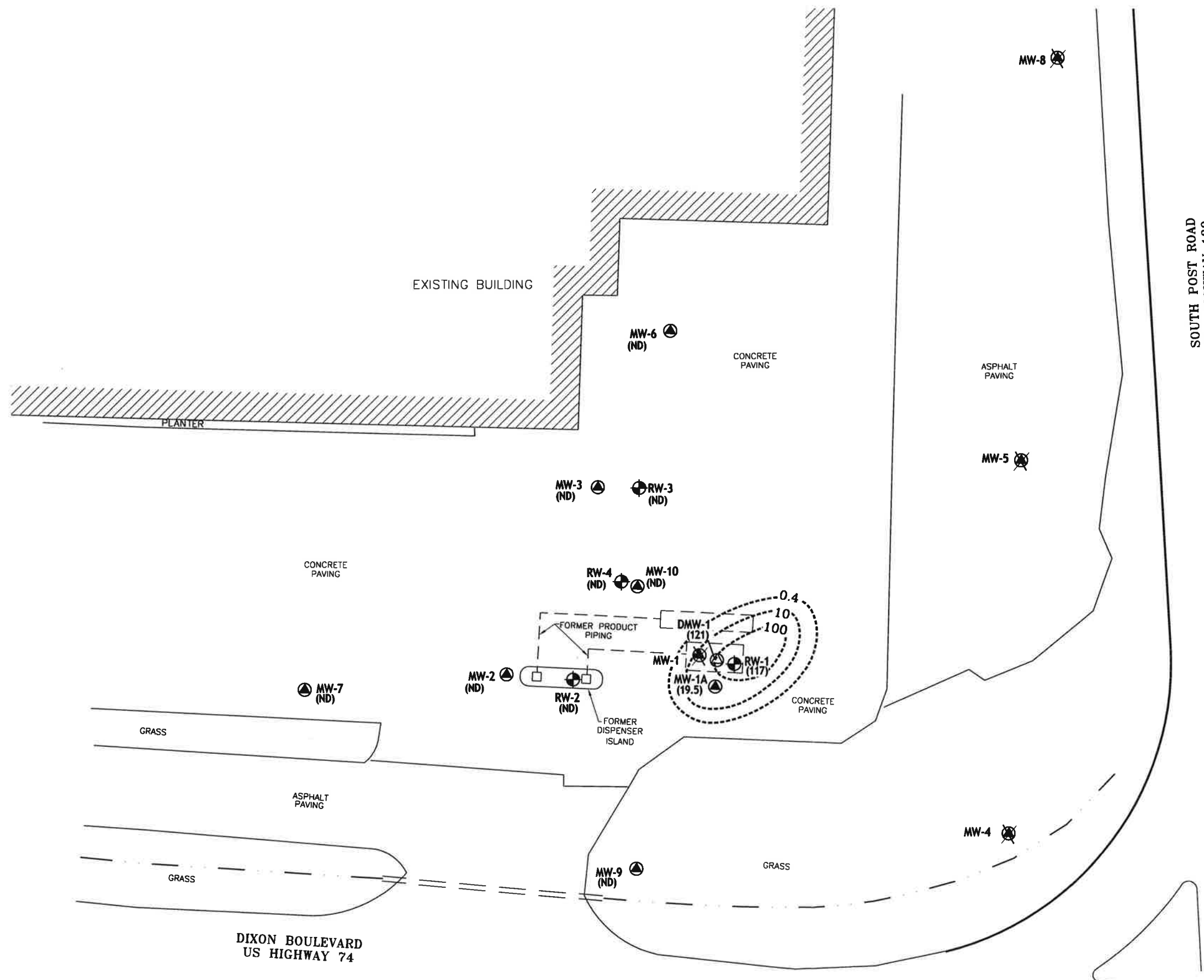
SHIELD
ENGINEERING, INC.

4301 TAGGART CREEK ROAD
CHARLOTTE, NC 28208
704-584-8813
704-584-8888 fax
www.shieldengineering.com

NAPHTHALENE ISOCONCENTRATION MAP	
KEETER FORD 1775 EAST DIXON BLVD. SHELBY, CLEVELAND COUNTY, NORTH CAROLINA SHIELD # 1950189	
DATE : 12/23/15	DRAWN BY : RBS
SCALE : AS SHOWN	FIGURE : 11



H:\Projects\1995\1950189 Keeter Ford\Figures\1950189 JAN 2016 MAPS.dwg



LEGEND:

- DRAINAGE DITCH
- [] UST (REMOVED)
- ⊙ TYPE II MONITORING WELL
- ⊙ TYPE III MONITORING WELL
- ⊗ WELL DESTROYED OR ABANDONED
- ⊕ 6" RECOVERY WELL
- (ug/L) MICROGRAMS PER LITER
- (117) 1,2-DICHLOROETHANE (DCA) CONCENTRATION (ug/L)
- APPROXIMATE 1,2-DICHLOROETHANE (DCA) ISOCONCENTRATION CONTOUR LINE (ug/L)
- (ND) LESS THAN THE METHOD DETECTION LIMITS SPECIFIED IN THE LABORATORY REPORT
- [121] 1,2-DICHLOROETHANE (DCA) CONCENTRATION NOT USED IN CONTOURING (ug/L)

NOTES:

- 1- GROUNDWATER SAMPLES COLLECTED ON 12/04/15.
- 2- CONTOUR INTERVAL - AS SHOWN
- 3- MW-1 WAS DESTROYED 06/18/97 AND REPLACED BY MW-1A ON 07/28/97. MW-4 WAS ABANDONED. MW-5 AND MW-8 WERE DESTROYED BY THE NCDOT.
- 4- SITE SURVEY PERFORMED MARCH 21, 1996 BY MURPHY, HOBSON SACKS REGISTERED LAND SURVEYORS L-3602
- 5- ALL LOCATIONS ARE APPROXIMATE.



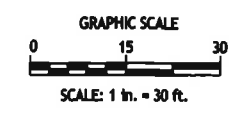
SHIELD
ENGINEERING, INC.

4301 TAGGART CREEK ROAD
CHARLOTTE, NC 28208
704-394-4813
704-394-4815 fax
www.shieldengineering.com

**1,2-DICHLOROETHANE (DCA)
ISOCONCENTRATION MAP**

KEETER FORD
1775 EAST DIXON BLVD.
SHELBY, CLEVELAND COUNTY, NORTH CAROLINA
SHIELD # 1950189

DATE : 12/23/15	DRAWN BY : RBS
SCALE : AS SHOWN	FIGURE : 12



TABLES

Table I Water Supply Well and Receptor Information Keeter Ford 1775 East Dixon Blvd, Cleveland County, North Carolina NCDENR GWI#: 11356											
Map No.	Location Relative to Site	WSW	Name	Address	Already connected to City or County water?	Supply Well on property?	Depth of Well	Depth of Casing	Diameter of Well	Type: drilled, bored or dug?	Screened Interval
6-48/4	Site	WSW-1	Keeter Ford	1775 East Dixon Blvd Shelby, NC	YES	YES Used for washing cars	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
6-43/48	Northwest	WSW-2	Oscar M. and Barbara Ann Holland	2221 South Kings Road Shelby, NC 28150	YES	YES Non-potable use	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
6-43/49	Northwest	NA	J. Don Shields and Martha Jane Shields	P.O. Box 758 Shelby, NC 28151	YES	NO	NA	NA	NA	NA	NA
6-43/36	North	WSW-4	Ruth Poston	332 S. Post Shelby, NC 28152	YES	YES Non-potable use	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
6-8/27	East	WSW-Putnam	Bonnie P. Putnam	17029 Silver Gull Drive Tega Cay, SC 29715	YES	YES Can be used for potable use	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
6-43/35	North	NA	Willians Enterprises	P.O. Box 137 Terrell, NC 28682	YES	No well observed and property owner stated that a well was probably on site, but not used	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
6-48-1/6	North	NA	Charles L. Rogers w/ Barbara	408 Country Club Lane Shelby, NC 28150	YES	NO	NA	NA	NA	NA	NA
6-8/28	East	NA	Richie Gary Canipe and Susan Kathryn Peterson	172 Harborview Drive Cherryville, NC 28021	YES	NO	NA	NA	NA	NA	NA
6-8/30	East	NA	Duke Power Co. Tax Dept - PB05B	422 South Church Street Charlotte, NC 28242	YES	NO	NA	NA	NA	NA	NA
6-8/29	East	NA	Shelby Land Developing & Leasing Co. c/o Western Steer Steakhouse	Route 9, Box 10-A Shelby, NC 28150	YES	NO	NA	NA	NA	NA	NA
6-11/34	Southeast	NA	Joe A. Goforth	P.O. Box 1740 Shelby, NC 28150	YES	NO	NA	NA	NA	NA	NA
6-8/59	Southeast	NA	James Melton	P.O. Box 1392 Forest City, NC 28043	YES	NO	NA	NA	NA	NA	NA
6-11/16	South	NA	Post Road Properties	1840 East Dixon Blvd. Shelby, NC 28152	YES	NO	NA	NA	NA	NA	NA
6-48/2	South	NA	Shelby Marketplace	1111 Superior Avenue Suite 1100 Cleveland, OH 44114	YES	NO	NA	NA	NA	NA	NA
6-48-2/1	South	NA	Royster Oil Co., Inc.	P.O. Box 1467 Shelby, NC 28151	YES	NO	NA	NA	NA	NA	NA
6-48-2/10	South	NA	Branch Banking & Trust Corporation	P.O. Box 1847 Wilson, NC 27893	YES	NO	NA	NA	NA	NA	NA
6-48-2/11	South	NA	Beach Log Properties - Joint Venture c/o Wyatt Development	P.O. Box 6689 Aiken, SC 29804	YES	NO	NA	NA	NA	NA	NA
6-48-1/3	West	NA	William M. Moore and Janet Moore	1715 East Dixon Blvd Shelby, NC 28152	YES	NO	NA	NA	NA	NA	NA
6-43/50	Northwest	NA	J. Don Shields and Martha Jane Shields	P.O. Box 758 Shelby, NC 28151	YES	NO	NA	NA	NA	NA	NA

Note: WSW owner information provided on 05/21/96 by the City of Shelby Water Department.
Receptor Survey updated on August 3, 2007.

Table 2
Summary of Well Construction and Historical Groundwater Elevation Data
Keeter Ford
Shelby, Cleveland County, North Carolina
NCDENR GWI# 11356

Well ID	Date Installed	Top of Casing Elevation (feet)	Well Diameter (inches)	As-built Depth (feet)	Screened Interval (feet)	Field Measurements				Field Calculations				
						Gauging Date	Total Depth (feet)	Depth to Static Water (feet)	Depth to Free Product (feet)	Diff. Between As-Built and Measured Total Depth (feet)	Measured Water Column in Well (feet)	Measured Free Product Thickness in Well (feet)	Free Product Elevation (feet)	Ground-water Elevation (feet)
MW-1	5/18/2003	98.59	2	30	15 - 30	05/23/95	NM	21.43	NA	NA	8.57	NA	NA	77.16
						06/22/95	NM	22.42	NA	NA	7.58	NA	NA	76.17
						06/26/95	NM	21.34	NA	NA	8.66	NA	NA	77.25
						02/01/96	NM	20.92	NA	NA	9.08	NA	NA	77.67
						04/01/96	NM	20.33	NA	NA	9.67	NA	NA	78.26
						05/17/96	NM	20.88	NA	NA	9.12	NA	NA	77.71
						12/10/96	NM	23.36	NA	NA	6.64	NA	NA	75.23
						12/27/96	NM	23.14	NA	NA	6.86	NA	NA	75.45
						02/01/96	NM	20.92	NA	NA	9.08	NA	NA	77.67
						06/18/97	Well Destroyed							
						08/29/97	NM	23.55	NA	NA	6.45	NA	NA	75.74
MW-1A	7/28/1997	99.29	2	30	15 - 30	02/20/98	NM	22.93	NA	NA	7.07	NA	NA	76.36
						08/12/98	NM	22.57	NA	NA	7.43	NA	NA	76.72
						02/12/99	NM	24.00	NA	NA	6.00	NA	NA	75.29
						08/16/99	NM	NM	NA	NA	NA	NA	NA	NA
						02/02/00	NM	25.95	NA	NA	4.05	NA	NA	73.34
						08/04/00	NM	26.62	NA	NA	3.38	NA	NA	72.67
						02/05/01	NM	27.41	NA	NA	2.59	NA	NA	71.88
						08/20/01	NM	27.52	NA	NA	2.48	NA	NA	71.77
						02/07/02	NM	28.71	NA	NA	1.29	NA	NA	70.58
						08/22/02	NM	29.31	NA	NA	0.69	NA	NA	69.98
						02/11/03	NM	29.05	NA	NA	0.95	NA	NA	70.24
						08/06/03	30.08	25.58	NA	0.08	4.50	NA	NA	73.71
						02/03/04	30.08	26.49	NA	0.08	3.59	NA	NA	72.80
						06/11/07	30.33	28.29	NA	0.33	2.04	NA	NA	71.00
						01/03/08	30.33	DRY						
						07/11/12	30.39	26.42	NA	0.39	3.97	NA	NA	72.87
						03/26/13	30.39	26.26	NA	0.39	4.13	NA	NA	73.03
						10/25/13	30.39	24.10	NA	0.39	6.29	NA	NA	75.19
						04/28/14	30.39	23.01	NA	0.39	7.38	NA	NA	76.28
						10/30/14	30.39	23.60	NA	0.39	6.79	NA	NA	75.69
						12/04/15	30.39	23.37	NA	0.39	7.02	NA	NA	75.92
MW-2	6/22/1995	98.98	2	30	15 - 30	06/26/95	NM	21.58	NA	NA	8.42	NA	NA	77.40
						02/01/96	NM	21.46	NA	NA	8.54	NA	NA	77.52
						04/01/96	NM	21.09	NA	NA	8.91	NA	NA	77.89
						05/17/96	NM	21.21	NA	NA	8.79	NA	NA	77.77
						12/10/96	NM	23.68	NA	NA	6.32	NA	NA	75.30
						12/27/96	NM	23.57	NA	NA	6.43	NA	NA	75.41
						02/01/97	NM	21.46	NA	NA	8.54	NA	NA	77.52
						08/29/97	NM	23.22	NA	NA	6.78	NA	NA	75.76
						02/20/98	NM	23.02	NA	NA	6.98	NA	NA	75.96

Table 2
Summary of Well Construction and Historical Groundwater Elevation Data
Keeter Ford
Shelby, Cleveland County, North Carolina
NCDENR GWI# 11356

Well ID	Date Installed	Top of Casing Elevation (feet)	Well Diameter (inches)	As-built Depth (feet)	Screened Interval (feet)	Field Measurements				Field Calculations				
						Gauging Date	Total Depth (feet)	Depth to Static Water (feet)	Depth to Free Product (feet)	Diff. Between As-Built and Measured Total Depth (feet)	Measured Water Column in Well (feet)	Measured Free Product Thickness in Well (feet)	Free Product Elevation (feet)	Ground-water Elevation (feet)
MW-2 cont.						08/12/98	NM	22.41	NA	NA	7.59	NA	NA	76.57
						02/12/99	NM	24.00	NA	NA	6.00	NA	NA	74.98
						08/16/99	NM	24.78	NA	NA	5.22	NA	NA	74.20
						02/02/00	NM	25.90	NA	NA	4.10	NA	NA	73.08
						08/04/00	NM	27.44	26.71	NA	2.56	0.73	72.27	72.09
						02/05/01	NM	27.42	NA	NA	2.58	NA	NA	71.56
						08/20/01	NM	27.42	NA	NA	2.58	NA	NA	71.56
						02/07/02	NM	28.55	NA	NA	1.45	NA	NA	70.43
						08/22/02	NM	29.08	NA	NA	0.92	NA	NA	69.90
						02/11/03	NM	28.97	NA	NA	1.03	NA	NA	70.01
						08/06/03	29.96	25.44	NA	-0.04	4.52	NA	NA	73.54
						02/03/04	29.96	26.19	NA	-0.04	3.77	NA	NA	72.79
						06/11/07	30.04	27.87	NA	0.04	2.17	NA	NA	71.11
						01/03/08	30.04	29.74	NA	0.04	0.30	NA	NA	69.24
						07/11/12	30.12	26.21	NA	0.12	3.91	NA	NA	72.77
						03/26/13	30.12	26.16	NA	0.12	3.96	NA	NA	72.82
						10/25/13	30.12	23.93	NA	0.12	6.19	NA	NA	75.05
						04/28/14	30.12	23.02	NA	0.12	7.10	NA	NA	75.96
						10/30/14	30.12	23.35	NA	0.12	6.77	NA	NA	75.63
						12/04/15	30.12	23.36	NA	0.12	6.76	NA	NA	75.62
MW-3	6/22/1995	99.68	2	30	15 - 30	06/26/95	NM	21.88	NA	NA	8.12	NA	NA	77.80
						02/01/96	NM	21.71	NA	NA	8.29	NA	NA	77.97
						04/01/96	NM	21.40	NA	NA	8.60	NA	NA	78.28
						05/17/96	NM	21.58	NA	NA	8.42	NA	NA	78.10
						12/10/96	NM	24.10	NA	NA	5.90	NA	NA	75.58
						12/27/96	NM	23.98	NA	NA	6.02	NA	NA	75.70
						02/01/97	NM	21.71	NA	NA	8.29	NA	NA	77.97
						08/29/97	NM	23.54	NA	NA	6.46	NA	NA	76.14
						02/20/98	NM	23.93	NA	NA	6.07	NA	NA	75.75
						08/12/98	NM	22.71	NA	NA	7.29	NA	NA	76.97
						02/12/99	NM	24.40	NA	NA	5.60	NA	NA	75.28
						08/16/99	NM	25.10	NA	NA	4.90	NA	NA	74.58
						02/02/00	NM	26.26	NA	NA	3.74	NA	NA	73.42
						08/04/00	NM	26.56	NA	NA	3.44	NA	NA	73.12
						02/05/01	NM	28.10	27.67	NA	1.90	0.43	72.01	71.90
						08/20/01	NM	27.98	27.70	NA	2.02	0.28	71.98	71.91
						02/07/02	NM	28.82	NA	NA	1.18	NA	NA	70.86
						08/22/02	NM	29.32	NA	NA	0.68	NA	NA	70.36
						02/11/03	NM	29.21	NA	NA	0.79	NA	NA	70.47
						08/06/03	29.84	25.69	NA	-0.16	4.15	NA	NA	73.99
						02/03/04	29.84	26.46	NA	-0.16	3.38	NA	NA	73.22
						06/11/07	30.10	28.27	NA	0.10	1.83	NA	NA	71.41
						01/03/08	30.10	DRY						
						07/11/12	30.16	26.62	NA	0.16	3.54	NA	NA	73.06
						03/26/13	30.16	26.56	NA	0.16	3.60	NA	NA	73.12
						10/25/13	30.16	24.33	NA	0.16	5.83	NA	NA	75.35
						04/28/14	30.16	23.38	NA	0.16	6.78	NA	NA	76.30
						10/30/14	30.16	23.73	NA	0.16	6.43	NA	NA	75.95
						12/04/15	30.16	23.82	NA	0.16	6.34	NA	NA	75.86

Table 2
Summary of Well Construction and Historical Groundwater Elevation Data
Keeter Ford
Shelby, Cleveland County, North Carolina
NCDENR GWI# 11356

Well ID	Date Installed	Top of Casing Elevation (feet)	Well Diameter (inches)	As-built Depth (feet)	Screened Interval (feet)	Field Measurements				Field Calculations				
						Gauging Date	Total Depth (feet)	Depth to Static Water (feet)	Depth to Free Product (feet)	Diff. Between As-Built and Measured Total Depth (feet)	Measured Water Column in Well (feet)	Measured Free Product Thickness in Well (feet)	Free Product Elevation (feet)	Ground-water Elevation (feet)
MW-4	1/23/1996	94.05	2	25	10 - 25	02/01/96	NM	19.33	NA	NA	5.67	NA	NA	74.72
						04/01/96	NM	19.34	NA	NA	5.66	NA	NA	74.71
						05/17/96	NM	19.47	NA	NA	5.53	NA	NA	74.58
						12/10/96	NM	21.81	NA	NA	3.19	NA	NA	72.24
						12/27/96	NM	21.65	NA	NA	3.35	NA	NA	72.40
						02/01/96	NM	19.33	NA	NA	5.67	NA	NA	74.72
						08/29/97	NM	21.58	NA	NA	3.42	NA	NA	72.47
						02/20/98	NM	20.59	NA	NA	4.41	NA	NA	73.46
						08/12/98	NM	20.21	NA	NA	4.79	NA	NA	73.84
						02/12/99	NM	21.71	NA	NA	3.29	NA	NA	72.34
						08/16/99	NM	22.94	NA	NA	2.06	NA	NA	71.11
						02/02/00	NM	23.61	NA	NA	1.39	NA	NA	70.44
						08/04/00	NM	24.31	NA	NA	0.69	NA	NA	69.74
						02/05/01	NM	24.86	NA	NA	0.14	NA	NA	69.19
						08/30/01	NM	24.84	NA	NA	0.16	NA	NA	69.21
						Well Abandoned								
MW-5	1/23/1996	96.98	2	25	10 - 25	02/01/96	NM	19.33	NA	NA	5.67	NA	NA	77.65
						04/01/96	NM	19.34	NA	NA	5.66	NA	NA	77.64
						05/17/96	NM	19.47	NA	NA	5.53	NA	NA	77.51
						12/10/96	NM	21.81	NA	NA	3.19	NA	NA	75.17
						12/27/96	NM	21.65	NA	NA	3.35	NA	NA	75.33
						02/01/96	NM	19.33	NA	NA	5.67	NA	NA	77.65
						08/29/97	NM	21.58	NA	NA	3.42	NA	NA	75.40
						02/20/98	NM	20.59	NA	NA	4.41	NA	NA	76.39
						08/12/98	NM	20.21	NA	NA	4.79	NA	NA	76.77
						02/12/99	NM	21.71	NA	NA	3.29	NA	NA	75.27
						08/16/99	NM	22.94	NA	NA	2.06	NA	NA	74.04
						02/02/00	NM	23.61	NA	NA	1.39	NA	NA	73.37
						08/04/00	NM	24.31	NA	NA	0.69	NA	NA	72.67
						02/05/01	NM	24.86	NA	NA	0.14	NA	NA	72.12
						08/20/01	NM	24.84	NA	NA	0.16	NA	NA	72.14
						Well Destroyed by NCDOT								

Table 2
Summary of Well Construction and Historical Groundwater Elevation Data
Keeter Ford
Shelby, Cleveland County, North Carolina
NC DENR GWI# 11356

Well ID	Date Installed	Top of Casing Elevation (feet)	Well Diameter (inches)	As-built Depth (feet)	Screened Interval (feet)	Field Measurements				Field Calculations				
						Gauging Date	Total Depth (feet)	Depth to Static Water (feet)	Depth to Free Product (feet)	Diff. Between As-Built and Measured Total Depth (feet)	Measured Water Column in Well (feet)	Measured Free Product Thickness in Well (feet)	Free Product Elevation (feet)	Ground-water Elevation (feet)
MW-6	1/24/1996	99.38	2	30	15 - 30	02/01/96	NM	21.68	NA	NA	8.32	NA	NA	77.70
						04/01/96	NM	21.34	NA	NA	8.66	NA	NA	78.04
						05/17/96	NM	21.03	NA	NA	8.97	NA	NA	78.35
						12/10/96	NM	24.07	NA	NA	5.93	NA	NA	75.31
						12/27/96	NM	23.96	NA	NA	6.04	NA	NA	75.42
						02/01/97	NM	21.68	NA	NA	8.32	NA	NA	77.70
						08/29/97	NM	23.44	NA	NA	6.56	NA	NA	75.94
						02/20/98	NM	23.42	NA	NA	6.58	NA	NA	75.96
						08/12/98	NM	22.68	NA	NA	7.32	NA	NA	76.70
						02/12/99	NM	24.48	NA	NA	5.52	NA	NA	74.90
						08/16/99	NM	25.39	NA	NA	4.61	NA	NA	73.99
						02/02/00	NM	26.18	NA	NA	3.82	NA	NA	73.20
						08/04/00	NM	26.47	NA	NA	3.53	NA	NA	72.91
						02/05/01	NM	27.58	NA	NA	2.42	NA	NA	71.80
						08/20/01	NM	27.65	NA	NA	2.35	NA	NA	71.73
						02/07/02	NM	28.72	NA	NA	1.28	NA	NA	70.66
						08/22/02	NM	Dry	NA	NA	Dry	NA	NA	NA
						02/11/03	NM	Dry	NA	NA	Dry	NA	NA	NA
						08/06/03	29.57	25.60	NA	-0.43	3.97	NA	NA	73.78
						02/03/04	29.57	26.37	NA	-0.43	3.20	NA	NA	73.01
						06/11/07	30.00	28.20	NA	0	1.80	NA	NA	71.18
						01/03/08	30.00	29.71	NA	0	0.29	NA	NA	69.67
						07/11/12	30.06	26.53	NA	0.06	3.53	NA	NA	72.85
						03/26/13	30.06	26.67	NA	0.06	3.39	NA	NA	72.71
						10/25/13	30.06	24.43	NA	0.06	5.63	NA	NA	74.95
						04/28/14	30.06	23.44	NA	0.06	6.62	NA	NA	75.94
						10/30/14	30.06	23.80	NA	0.06	6.26	NA	NA	75.58
						12/04/15	30.06	23.85	NA	0.06	6.21	NA	NA	75.53

Table 2
Summary of Well Construction and Historical Groundwater Elevation Data
Keeter Ford
Shelby, Cleveland County, North Carolina
NCDENR GWI# 11356

Well ID	Date Installed	Top of Casing Elevation (feet)	Well Diameter (inches)	As-built Depth (feet)	Screened Interval (feet)	Field Measurements				Field Calculations									
						Gauging Date	Total Depth (feet)	Depth to Static Water (feet)	Depth to Free Product (feet)	Diff. Between As-Built and Measured Total Depth (feet)	Measured Water Column in Well (feet)	Measured Free Product Thickness in Well (feet)	Free Product Elevation (feet)	Ground-water Elevation (feet)					
MW-7	1/24/1996	98.08	2	30	15 - 30	02/01/96	NM	20.51	NA	NA	9.49	NA	NA	77.57					
						04/01/96	NM	20.17	NA	NA	9.83	NA	NA	77.91					
						05/17/96	NM	20.32	NA	NA	9.68	NA	NA	77.76					
						12/10/96	NM	22.86	NA	NA	7.14	NA	NA	75.22					
						12/27/96	NM	22.61	NA	NA	7.39	NA	NA	75.47					
						02/01/96	NM	20.51	NA	NA	9.49	NA	NA	77.57					
						08/29/97	NM	22.33	NA	NA	7.67	NA	NA	75.75					
						02/20/98	NM	22.01	NA	NA	7.99	NA	NA	76.07					
						08/12/98	NM	21.51	NA	NA	8.49	NA	NA	76.57					
						02/12/99	NM	23.09	NA	NA	6.91	NA	NA	74.99					
						08/16/99	NM	23.89	NA	NA	6.11	NA	NA	74.19					
						02/02/00	NM	25.00	NA	NA	5.00	NA	NA	73.08					
						08/04/00	NM	25.40	NA	NA	4.60	NA	NA	72.68					
						02/05/01	NM	26.41	NA	NA	3.59	NA	NA	71.67					
						08/20/01	NM	26.53	NA	NA	3.47	NA	NA	71.55					
						02/07/02	NM	27.67	NA	NA	2.33	NA	NA	70.41					
						08/22/02	NM	28.25	NA	NA	1.75	NA	NA	69.83					
						02/11/03	NM	27.94	NA	NA	2.06	NA	NA	70.14					
						08/06/03	30.13	24.43	NA	0.13	5.7	NA	NA	73.65					
						02/03/04	30.13	25.20	NA	0.13	4.93	NA	NA	72.88					
						06/11/07	30.00	26.94	NA	0	3.06	NA	NA	71.14					
						01/03/08	30.00	29.28	NA	0	0.72	NA	NA	68.80					
						07/11/12	30.09	25.30	NA	0.09	4.79	NA	NA	72.78					
						03/26/13	30.09	25.18	NA	0.09	4.91	NA	NA	72.90					
						10/25/13	30.09	23.03	NA	0.09	7.06	NA	NA	75.05					
						04/28/14	30.09	22.10	NA	0.09	7.99	NA	NA	75.98					
						10/30/14	30.09	22.50	NA	0.09	7.59	NA	NA	75.58					
						12/04/15	30.09	22.44	NA	0.09	7.65	NA	NA	75.64					
						MW-8	12/5/1996	97.96	2	30	15 - 30	12/10/96	NM	22.29	NA	NA	7.71	NA	NA
12/27/96	NM	22.33	NA	NA	5.00							NA	NA	75.63					
08/29/97	NM	21.98	NA	NA	4.60							NA	NA	75.98					
02/20/98	NM	21.16	NA	NA	3.59							NA	NA	76.80					
08/12/98	NM	20.93	NA	NA	3.47							NA	NA	77.03					
02/12/99	NM	22.60	NA	NA	2.33							NA	NA	75.36					
08/16/99	NM	23.52	NA	NA	1.75							NA	NA	74.44					
02/02/00	NM	24.26	NA	NA	2.06							NA	NA	73.70					
08/04/00	NM	25.00	NA	NA	5.57							NA	NA	72.96					
02/05/01	NM	26.20	NA	NA	7.71							NA	NA	71.76					
			Well Destroyed by NCDOT																

Table 2
Summary of Well Construction and Historical Groundwater Elevation Data
Keeter Ford
Shelby, Cleveland County, North Carolina
NCDENR GWI# 11356

Well ID	Date Installed	Top of Casing Elevation (feet)	Well Diameter (inches)	As-built Depth (feet)	Screened Interval (feet)	Field Measurements				Field Calculations				
						Gauging Date	Total Depth (feet)	Depth to Static Water (feet)	Depth to Free Product (feet)	Diff. Between As-Built and Measured Total Depth (feet)	Measured Water Column in Well (feet)	Measured Free Product Thickness in Well (feet)	Free Product Elevation (feet)	Ground-water Elevation (feet)
MW-9	12/5/1996	96.44	2	30	15 - 30	12/10/96	NM	19.97	NA	NA	10.03	NA	NA	76.47
						12/27/96	NM	20.83	NA	NA	9.17	NA	NA	75.61
						08/29/97	NM	21.36	NA	NA	8.64	NA	NA	75.08
						02/20/98	NM	19.85	NA	NA	10.15	NA	NA	76.59
						08/12/98	NM	20.04	NA	NA	9.96	NA	NA	76.40
						02/12/99	NM	21.17	NA	NA	8.83	NA	NA	75.27
						08/16/99	NM	22.82	NA	NA	7.18	NA	NA	73.62
						02/02/00	NM	23.00	NA	NA	7.00	NA	NA	73.44
						08/04/00	NM	24.02	NA	NA	5.98	NA	NA	72.42
						02/05/01	NM	24.41	NA	NA	5.59	NA	NA	72.03
						08/20/01	NM	24.43	NA	NA	5.57	NA	NA	72.01
						02/07/02	NM	26.46	NA	NA	3.54	NA	NA	69.98
						08/22/02	NM	Dry	NA	NA	Dry	NA	NA	Dry
						02/11/03	NM	Dry	NA	NA	Dry	NA	NA	Dry
						08/06/03	26.6	24.61	NA	-3.4	1.99	NA	NA	71.83
						02/03/04	26.60	25.55	NA	-3.4	1.05	NA	NA	70.89
						06/11/07	26.48	25.71	NA	-3.52	0.77	NA	NA	70.73
						01/03/08	26.48	DRY						
						07/11/12	26.53	25.36	NA	-3.47	1.17	NA	NA	71.08
						03/26/13	26.53	24.85	NA	-3.47	1.68	NA	NA	71.59
						10/25/13	26.53	23.06	NA	-3.47	3.47	NA	NA	73.38
						04/28/14	26.53	21.54	NA	-3.47	4.99	NA	NA	74.90
						10/30/14	26.53	22.61	NA	-3.47	3.92	NA	NA	73.83
						12/04/15	26.53	21.76	NA	-3.47	4.77	NA	NA	74.68
MW-10	7/28/1997	99.83	2	30	15 - 30	08/29/97	NM	24.86	23.36	NA	5.14	1.50	76.46	76.09
						02/20/98	NM	23.86	23.48	NA	6.14	0.38	76.34	76.25
						08/12/98	NM	23.05	22.92	NA	6.95	0.13	76.9	76.87
						02/12/99	NM	24.75	24.65	NA	5.25	0.10	75.17	75.15
						08/16/99	NM	25.55	25.23	NA	4.45	0.32	74.59	74.51
						02/02/00	NM	27.20	26.20	NA	2.80	1.00	73.62	73.37
						08/04/00	NM	27.22	26.71	NA	2.78	0.51	73.11	72.98
						02/05/01	NM	27.82	NA	NA	2.18	NA	NA	72.00
						08/20/01	NM	27.97	NA	NA	2.03	NA	NA	71.85
						02/07/02	NM	29.03	29.00	NA	0.97	0.03	70.82	70.81
						08/22/02	NM	Dry	NA	NA	Dry	NA	NA	Dry
						02/11/03	NM	Dry	NA	NA	Dry	NA	NA	Dry
						08/06/03	30.07	25.89	NA	0.07	4.18	NA	NA	73.94
						02/03/04	30.07	26.68	NA	0.07	3.39	NA	NA	73.15
						06/11/07	30.30	28.5	NA	0.3	1.8	NA	NA	71.33
						01/03/08	30.30	DRY						
						07/11/12	30.36	26.77	NA	0.36	3.59	NA	NA	73.06
						03/26/13	30.36	26.70	NA	0.36	3.66	NA	NA	73.13
						10/25/13	30.06	24.48	NA	0.06	5.58	NA	NA	75.35
						04/28/14	30.36	23.47	NA	0.36	6.89	NA	NA	76.36
						10/30/14	30.36	23.89	NA	0.36	6.47	NA	NA	75.94
						12/04/15	30.36	23.93	NA	0.36	6.43	NA	NA	75.90

Table 2
Summary of Well Construction and Historical Groundwater Elevation Data
Keeter Ford
Shelby, Cleveland County, North Carolina
NCDENR GWI# 11356

Well ID	Date Installed	Top of Casing Elevation (feet)	Well Diameter (inches)	As-built Depth (feet)	Screened Interval (feet)	Field Measurements				Field Calculations				
						Gauging Date	Total Depth (feet)	Depth to Static Water (feet)	Depth to Free Product (feet)	Diff. Between As-Built and Measured Total Depth (feet)	Measured Water Column in Well (feet)	Measured Free Product Thickness in Well (feet)	Free Product Elevation (feet)	Ground-water Elevation (feet)
DMW-1	1/25/1996	99.19	2	52	47 - 52	02/01/96	NM	21.97	NA	NA	30.03	NA	NA	77.22
						04/01/96	NM	21.60	NA	NA	30.40	NA	NA	77.59
						05/17/96	NM	22.03	NA	NA	29.97	NA	NA	77.16
						12/10/96	NM	24.37	NA	NA	27.63	NA	NA	74.82
						12/27/96	NM	24.16	NA	NA	27.84	NA	NA	75.03
						02/01/97	NM	21.97	NA	NA	30.03	NA	NA	77.22
						08/29/97	NM	23.74	NA	NA	28.26	NA	NA	75.45
						02/20/98	NM	23.27	NA	NA	28.73	NA	NA	75.92
						08/12/98	NM	22.69	NA	NA	29.31	NA	NA	76.50
						02/12/99	NM	24.16	NA	NA	27.84	NA	NA	75.03
						08/16/99	NM	25.17	NA	NA	26.83	NA	NA	74.02
						02/02/00	NM	26.11	NA	NA	25.89	NA	NA	73.08
						08/04/00	NM	26.62	NA	NA	25.38	NA	NA	72.57
						02/05/01	NM	27.61	NA	NA	24.39	NA	NA	71.58
						08/20/01	NM	27.77	NA	NA	24.23	NA	NA	71.42
						02/07/02	NM	29.14	NA	NA	22.86	NA	NA	70.05
						08/22/02	NM	29.49	NA	NA	22.51	NA	NA	69.70
						02/11/03	NM	29.17	NA	NA	22.83	NA	NA	70.02
						08/06/03	52.17	25.69	NA	0.17	26.48	NA	NA	73.5
						02/03/04	52.17	26.68	NA	0.17	25.49	NA	NA	72.51
						06/11/07	52.23	28.39	NA	0.23	23.84	NA	NA	70.80
						01/03/08	52.23	30.70	NA	0.23	21.53	NA	NA	68.49
						07/11/12	52.35	26.50	NA	0.35	25.85	NA	NA	72.69
						03/26/13	52.35	26.13	NA	0.35	26.22	NA	NA	73.06
						10/25/13	52.35	24.27	NA	0.35	28.08	NA	NA	74.92
						04/28/14	52.35	23.66	NA	0.35	28.69	NA	NA	75.53
						10/30/14	52.35	23.80	NA	0.35	28.55	NA	NA	75.39
						12/04/15	52.35	23.57	NA	0.35	28.78	NA	NA	75.62
RW-1	5/6/2002	98.77	6	45	15 - 45	08/22/02	NM	28.85	NA	NA	16.15	NA	NA	69.92
						02/11/03	NM	28.55	NA	NA	16.45	NA	NA	70.22
						08/06/03	44.71	25.07	NA	-0.29	19.64	NA	NA	73.70
						02/03/04	44.71	26.03	NA	-0.29	18.68	NA	NA	72.74
						06/11/07	44.54	27.75	NA	-0.46	16.79	NA	NA	71.02
						01/03/08	44.54	29.95	NA	-0.46	14.59	NA	NA	68.82
						07/11/12	44.68	25.90	NA	-0.32	18.78	NA	NA	72.87
						03/26/13	44.68	25.66	NA	-0.32	19.02	NA	NA	73.11
						10/25/13	44.68	23.56	NA	-0.32	21.12	NA	NA	75.21
						04/28/14	44.68	22.42	NA	-0.32	22.26	NA	NA	76.35
						10/30/14	44.68	23.10	NA	-0.32	21.58	NA	NA	75.67
						12/04/15	44.68	22.82	NA	-0.32	21.86	NA	NA	75.95

Table 2
Summary of Well Construction and Historical Groundwater Elevation Data
Keeter Ford
Shelby, Cleveland County, North Carolina
NCDENR GWI# 11356

Well ID	Date Installed	Top of Casing Elevation (feet)	Well Diameter (inches)	As-built Depth (feet)	Screened Interval (feet)	Field Measurements				Field Calculations				
						Gauging Date	Total Depth (feet)	Depth to Static Water (feet)	Depth to Free Product (feet)	Diff. Between As-Built and Measured Total Depth (feet)	Measured Water Column in Well (feet)	Measured Free Product Thickness in Well (feet)	Free Product Elevation (feet)	Ground-water Elevation (feet)
RW-2	5/6/2002	99.07	6	50	20 - 50	08/22/02	NM	28.86	NA	NA	21.14	NA	NA	70.21
						02/11/03	NM	28.71	NA	NA	21.29	NA	NA	70.36
						08/06/03	49.13	25.2	NA	-0.87	23.93	NA	NA	73.87
						02/03/04	49.13	25.98	NA	-0.87	23.15	NA	NA	73.09
						06/11/07	49.00	27.72	NA	-1	21.28	NA	NA	71.35
						01/03/08	49.00	29.90	NA	-1	19.10	NA	NA	69.17
						07/11/12	49.26	26.10	NA	-0.74	23.16	NA	NA	72.97
						03/26/13	49.26	26.02	NA	-0.74	23.24	NA	NA	73.05
						10/25/13	49.26	23.79	NA	-0.74	25.47	NA	NA	75.28
						04/28/14	49.26	22.85	NA	-0.74	26.41	NA	NA	76.22
						10/30/14	49.26	23.21	NA	-0.74	26.05	NA	NA	75.86
						12/04/15	49.26	23.20	NA	-0.74	26.06	NA	NA	75.87
RW-3	5/7/2002	99.75	6	50	20 - 50	08/22/02	NM	29.44	NA	NA	20.56	NA	NA	70.31
						02/11/03	NM	29.30	NA	NA	20.70	NA	NA	70.45
						08/06/03	49.94	25.75	NA	-0.06	24.19	NA	NA	74.00
						02/03/04	49.94	26.55	NA	-0.06	23.39	NA	NA	73.20
						06/11/07	49.80	28.35	NA	-0.2	21.45	NA	NA	71.40
						01/03/08	49.80	30.55	30.45	-0.2	19.25	0.10	69.30	69.27
						07/11/12	49.93	26.70	NA	-0.07	23.23	NA	NA	73.05
						03/26/13	49.93	26.60	NA	-0.07	23.33	NA	NA	73.15
						10/25/13	49.93	24.39	NA	-0.07	25.54	NA	NA	75.36
						04/28/14	49.93	23.38	NA	-0.07	26.55	NA	NA	76.37
						10/30/14	49.93	23.78	NA	-0.07	26.15	NA	NA	75.97
						12/04/15	49.93	23.85	NA	-0.07	26.08	NA	NA	75.90
RW-4	1/8/2003	99.86	6	50	20 - 50	2/11/2003	NM	29.49	NA	NA	20.51	NA	NA	70.37
						08/06/03	49.96	25.95	NA	-0.04	24.01	NA	NA	73.91
						2/3/2004	49.96	26.74	NA	-0.04	23.22	NA	NA	73.12
						6/11/2007	49.70	28.52	NA	-0.30	21.18	NA	NA	71.34
						1/3/2008	49.70	30.80	NA	-0.30	18.9	NA	NA	69.06
						7/11/2012	49.84	26.86	NA	-0.16	22.98	NA	NA	73.00
						3/26/2013	49.84	26.78	NA	-0.16	23.06	NA	NA	73.08
						10/25/13	49.84	24.55	NA	-0.16	25.29	NA	NA	75.31
						04/28/14	49.84	23.60	NA	-0.16	26.24	NA	NA	76.26
						10/30/14	49.84	23.97	NA	-0.16	25.87	NA	NA	75.89
						12/04/15	49.84	24.00	NA	-0.16	25.84	NA	NA	75.86

Notes:

1. Reference Point for Elevation Measurements is Relative to an Arbitrary Benchmark Set With an Assumed Datum of 100.00 Feet.
2. If Free Product is Present in a Well, Groundwater Elevation is Calculated by: [Top of Casing Elevation - Depth to Water] + [Free Product Thickness x 0.75].
3. NM = Not Measured.
4. NA = Not Applicable.
5. DRY = Insufficient Water in Well to Allow for Measurement.

Table 3
Summary of Historical LPH Thickness & Recovery Data
Keeter Ford
Cleveland County, North Carolina
GW1 No. 11356

	Depth to LPH	Depth to Water	LPH Thickness	LPH Recovered as Liquid	LPH Recovered as Emissions	Total LPH Recovered (per event)	Wastewater Recovered (per event)	Total LPH Recovered (to date)
Date	(ft)	(ft)	(ft)	(gal)	(gal)	(gal)	(gal)	(gal)
MONITORING WELL MW-2								
^ 11/20/00	26.99	27.52	0.53	0.19	N/A	0.19	NR	0.19
^ 11/27/00	27.03	27.09	0.06	0.12	N/A	0.12	NR	0.31
^ 12/01/00	27.02	27.03	0.01	0.11	N/A	0.11	NR	0.42
* 12/03/00	27.23	27.24	0.01	0.00	N/A	0.00	201	0.42
^ 12/13/00	0.00	27.08	0.00	0.03	N/A	0.03	NR	0.45
^ 12/18/00	0.00	27.09	0.00	0.14	N/A	0.14	NR	0.59
^ 12/22/00	0.00	27.62	0.00	0.14	N/A	0.14	NR	0.73
^ 12/26/00	0.00	27.11	0.00	0.07	N/A	0.07	NR	0.80
^ 12/29/00	0.00	27.15	0.00	0.06	N/A	0.06	NR	0.86
^ 01/08/01	0.00	27.24	0.00	0.02	N/A	0.02	NR	0.88
^ 05/14/01	26.76	26.80	0.04	0.00	N/A	0.00	NR	0.88
^ 05/18/01	26.84	26.85	0.01	0.03	N/A	0.03	NR	0.91
^ 05/21/01	0.00	26.90	0.00	0.02	N/A	0.02	NR	0.93
^ 05/25/01	0.00	27.13	0.00	0.02	N/A	0.02	NR	0.95
^ 05/29/01	0.00	27.03	0.00	0.00	N/A	0.00	NR	0.95
^ 07/16/01	0.00	27.32	0.00	0.01	N/A	0.01	NR	0.96
^ 07/20/01	0.00	27.41	0.00	0.02	N/A	0.02	NR	0.98
^ 07/23/01	0.00	27.34	0.00	0.01	N/A	0.01	NR	0.99
^ 07/27/01	0.00	27.39	0.00	0.01	N/A	0.01	NR	1.00
^ 07/31/01	0.00	27.42	0.00	0.01	N/A	0.01	NR	1.01
10/19/01	0.00	27.80	0.00	0.00	N/A	0.00	NR	1.01
11/06/01	0.00	27.90	0.00	0.00	N/A	0.00	NR	1.01
11/09/01	0.00	27.90	0.00	0.00	N/A	0.00	NR	1.01
11/12/01	0.00	27.92	0.00	0.00	N/A	0.00	NR	1.01
02/07/02	0.00	28.55	0.00	0.00	N/A	0.00	NR	1.01
05/19/02	0.00	28.18	0.00	0.00	N/A	0.00	NR	1.01
08/22/02	0.00	29.08	0.00	0.00	N/A	0.00	NR	1.01
05/12/03	0.00	26.96	0.00	0.00	N/A	0.00	NR	1.01
08/06/03	0.00	25.44	0.00	0.00	N/A	0.00	NR	1.01
02/03/04	0.00	26.19	0.00	0.00	N/A	0.00	NR	1.01
TOTALS ----->				1.01	0.00	1.01	201	1.01
MONITORING WELL MW-3								
02/05/01	27.67	28.10	0.43	0.000	N/A	0.000	NR	0.000
05/14/01	27.21	27.32	0.11	0.000	N/A	0.000	NR	0.000
^ 05/18/01	0.00	27.22	0.00	0.031	N/A	0.031	NR	0.031
^ 05/21/01	0.00	27.21	0.00	0.021	N/A	0.021	NR	0.052
^ 05/25/01	0.00	27.13	0.00	0.002	N/A	0.002	NR	0.054
^ 05/29/01	0.00	27.31	0.00	0.000	N/A	0.000	NR	0.054
^ 06/22/01	0.00	27.56	0.00	0.010	N/A	0.010	NR	0.064
^ 06/25/01	0.00	27.58	0.00	0.010	N/A	0.010	NR	0.074
^ 06/29/01	0.00	29.32	0.00	0.010	N/A	0.010	NR	0.084
^ 07/13/01	0.00	27.59	0.00	0.021	N/A	0.021	NR	0.105
^ 07/16/01	0.00	27.66	0.00	0.021	N/A	0.021	NR	0.126
^ 07/20/01	0.00	27.64	0.00	0.031	N/A	0.031	NR	0.157
^ 07/23/01	0.00	27.71	0.00	0.042	N/A	0.042	NR	0.199
^ 07/27/01	27.73	27.74	0.01	0.052	N/A	0.052	NR	0.251
^ 07/31/01	0.00	27.72	0.00	0.031	N/A	0.031	NR	0.282
10/19/01	0.00	28.05	0.00	0.000	N/A	0.000	NR	0.282
* 10/30/01	28.08	28.09	0.01	0.000	N/A	0.000	NR	0.282
11/06/01	0.00	28.20	0.00	0.000	N/A	0.000	NR	0.282

Table 3
Summary of Historical LPH Thickness & Recovery Data
Keeter Ford
Cleveland County, North Carolina
GW No. 11356

	Depth to LPH	Depth to Water	LPH Thickness	LPH Recovered as Liquid	LPH Recovered as Emissions	Total LPH Recovered (per event)	Wastewater Recovered (per event)	Total LPH Recovered (to date)
Date	(ft)	(ft)	(ft)	(gal)	(gal)	(gal)	(gal)	(gal)
MONITORING WELL MW-3 CONTINUED								
^ 11/09/01	0.00	28.23	0.00	0.000	N/A	0.000	NR	0.282
11/12/01	0.00	28.21	0.00	0.000	N/A	0.000	NR	0.282
11/16/01	0.00	28.25	0.00	0.000	N/A	0.000	NR	0.282
11/19/01	0.00	28.27	0.00	0.000	N/A	0.000	NR	0.282
11/23/01	0.00	28.30	0.00	0.000	N/A	0.000	NR	0.282
11/26/01	0.00	28.31	0.00	0.000	N/A	0.000	NR	0.282
11/30/01	0.00	28.34	0.00	0.000	N/A	0.000	NR	0.282
12/03/01	0.00	28.48	0.00	0.000	N/A	0.000	NR	0.282
12/26/01	28.53	28.55	0.02	0.000	N/A	0.000	NR	0.282
* 01/21/02	0.00	28.80	0.00	0.000	N/A	0.000	NR	0.282
02/07/02	0.00	28.82	0.00	0.000	N/A	0.000	NR	0.282
02/14/02	0.00	28.82	0.00	0.000	N/A	0.000	NR	0.282
02/18/02	28.75	28.76	0.01	0.000	N/A	0.000	NR	0.282
^ 02/25/02	0.00	28.75	0.00	0.000	N/A	0.000	NR	0.282
^ 03/05/02	0.00	28.78	0.00	0.000	N/A	0.000	NR	0.282
03/15/02	0.00	28.82	0.00	0.000	N/A	0.000	NR	0.282
* 05/19/02	0.00	28.44	0.00	0.000	N/A	0.000	NR	0.282
* 06/16/02	0.00	28.74	0.00	0.000	N/A	0.000	NR	0.282
* 08/18/02	0.00	29.69	0.00	0.000	N/A	0.000	NR	0.282
08/22/02	0.00	28.32	0.00	0.000	N/A	0.000	NR	0.282
09/10/02	0.00	29.14	0.00	0.000	N/A	0.000	NR	0.282
# 01/20/03	0.00	29.11	0.00	0.000	N/A	0.000	2489	0.282
05/12/03	0.00	27.68	0.00	0.000	N/A	0.000	NR	0.282
08/06/03	0.00	25.69	0.00	0.000	N/A	0.000	NR	0.282
02/03/04	0.00	26.46	0.00	0.000	N/A	0.000	NR	0.282
TOTALS ----->				0.282	0.00	0.282	2,489	0.282
MONITORING WELL MW-10								
* 08/05/97	22.75	24.70	1.95	13.25	19.55	32.80	804.50	32.80
* 08/14/97	23.16	24.39	1.23	sheen	7.61	7.61	700.75	40.41
08/29/97	23.36	24.68	1.32	NR	N/A	0.00	NR	40.41
* 09/04/97	23.72	24.88	1.16	sheen	33.16	33.16	691	73.57
* 09/15/97	24.15	25.10	0.95	sheen	35.20	35.20	675	108.77
* 09/26/97	24.54	25.21	0.67	sheen	6.24	6.24	527.75	115.01
* 10/29/97	25.04	25.56	0.52	sheen	5.53	5.53	548	120.54
* 11/20/97	25.12	25.52	0.40	sheen	5.83	5.83	359.25	126.37
* 01/13/98	24.68	25.31	0.63	sheen	2.69	2.69	1128	129.06
* 01/29/98	24.20	24.78	0.58	sheen	10.01	10.01	1584	139.07
02/20/98	23.48	23.86	0.38	NR	NA	0.00	NR	139.07
* 04/06/98	22.70	22.92	0.22	sheen	1.68	1.68	1462	140.75
* 05/14/98	NONE	23.36	N/A	NR	2.85	2.85	2750	143.60
08/12/98	22.92	23.05	0.13	NR	N/A	0.00	NR	143.60
* 10/05/98	23.35	23.92	0.57	30.00	10.80	40.80	1400	184.40
10/20/98	NONE	24.39	N/A	NR	N/A	0.00	NR	184.40
02/11/99	24.64	24.74	0.10	NM	N/A	0.00	NR	184.40
02/15/99	24.65	24.75	0.10	NM	N/A	0.00	NR	184.40
05/24/99	24.25	25.19	0.94	NM	N/A	0.00	NR	184.40
06/29/99	24.53	24.84	0.31	NM	N/A	0.00	NR	184.40
^ 07/08/99	24.52	24.89	0.37	0.01	N/A	0.01	NR	184.41
^ 07/28/99	24.81	25.09	0.28	0.01	N/A	0.01	NR	184.42
^ 08/10/99	25.15	25.26	0.11	0.01	N/A	0.01	NR	184.43

Table 3
Summary of Historical LPH Thickness & Recovery Data
Keeter Ford
Cleveland County, North Carolina
GW1 No. 11356

	Depth to LPH	Depth to Water	LPH Thickness	LPH Recovered as Liquid	LPH Recovered as Emissions	Total LPH Recovered (per event)	Wastewater Recovered (per event)	Total LPH Recovered (to date)
Date	(ft)	(ft)	(ft)	(gal)	(gal)	(gal)	(gal)	(gal)
MONITORING WELL MW-10 CONTINUED								
^ 08/16/99	25.23	25.55	0.32	0.16	N/A	0.16	NR	184.59
^ 08/19/99	25.38	25.57	0.19	0.00	N/A	0.00	NR	184.59
02/02/00	26.20	27.20	1.00	NM	N/A	0.00	NR	184.59
^ 06/13/00	25.93	27.25	1.32	NM	N/A	0.00	NR	184.59
^ 06/15/00	25.99	27.21	1.22	0.32	N/A	0.32	NR	184.91
^ 06/19/00	26.10	27.19	1.09	0.30	N/A	0.30	NR	185.21
^ 06/23/00	26.14	27.20	1.06	0.31	N/A	0.31	NR	185.52
^ 06/27/00	26.24	27.22	0.98	0.31	N/A	0.31	NR	185.83
^ 06/30/00	26.31	27.41	1.10	0.33	N/A	0.33	NR	186.16
^ 07/03/00	26.42	27.56	1.14	0.30	N/A	0.30	NR	186.46
* 07/07/00	26.40	27.23	0.83	4.00	N/A	4.00	206	190.46
* 07/07/00	26.40	27.23	0.83	0.31	N/A	0.31	NR	190.77
^ 07/11/00	26.49	26.84	0.35	NM	N/A	0.00	NR	190.77
^ 07/14/00	26.61	26.93	0.32	0.34	N/A	0.34	NR	191.11
^ 07/17/00	26.61	26.87	0.26	0.32	N/A	0.32	NR	191.43
^ 07/21/00	26.60	26.87	0.27	0.30	N/A	0.30	NR	191.73
^ 07/25/00	26.65	26.95	0.30	0.36	N/A	0.36	NR	192.09
^ 07/31/00	26.72	27.13	0.41	0.41	N/A	0.41	NR	192.50
^ 08/04/00	26.71	27.22	0.51	0.45	N/A	0.45	NR	192.95
^ 08/15/00	26.72	27.41	0.69	0.54	N/A	0.54	NR	193.49
^ 08/21/00	26.79	27.40	0.61	0.58	N/A	0.58	NR	194.07
^ 11/20/00	27.19	28.66	1.47	0.36	N/A	0.36	NR	194.43
^ 11/27/00	27.14	28.51	1.37	0.32	N/A	0.32	NR	194.75
^ 12/01/00	27.28	28.53	1.25	0.29	N/A	0.29	NR	195.04
* 12/03/00	0.00	28.41	0.00	2.00	N/A	2.00	201	197.04
^ 12/13/00	0.00	27.64	0.00	0.31	N/A	0.31	NR	197.35
^ 12/18/00	0.00	27.60	0.00	0.19	N/A	0.19	NR	197.54
^ 12/22/00	0.00	27.13	0.00	0.10	N/A	0.10	NR	197.64
^ 12/26/00	0.00	27.71	0.00	0.06	N/A	0.06	NR	197.70
^ 12/29/00	0.00	27.62	0.00	0.08	N/A	0.08	NR	197.78
^ 05/14/01	0.00	24.12	0.00	0.00	N/A	0.00	NR	197.78
^ 05/18/01	0.00	27.36	0.00	0.01	N/A	0.01	NR	197.79
^ 05/21/01	0.00	27.42	0.00	0.01	N/A	0.01	NR	197.80
^ 05/25/01	0.00	27.48	0.00	0.01	N/A	0.01	NR	197.81
* 05/31/01	0.00	27.60	0.00	1.00	N/A	1.00	127	198.81
^ 06/05/01	27.56	27.80	0.24	0.00	N/A	0.00	NR	198.81
^ 06/08/01	0.00	27.71	0.00	0.11	N/A	0.11	NR	198.92
^ 06/11/01	0.00	27.64	0.00	0.04	N/A	0.04	NR	198.96
^ 06/18/01	0.00	27.69	0.00	0.03	N/A	0.03	NR	198.99
^ 06/22/01	0.00	27.78	0.00	0.03	N/A	0.03	NR	199.02
^ 06/25/01	0.00	27.76	0.00	0.01	N/A	0.01	NR	199.03
^ 06/29/01	0.00	27.84	0.00	0.02	N/A	0.02	NR	199.05
^ 07/09/01	27.74	27.79	0.05	0.00	N/A	0.00	NR	199.05
^ 07/13/01	0.00	27.84	0.00	0.03	N/A	0.03	NR	199.08
^ 07/16/01	0.00	27.84	0.00	0.01	N/A	0.01	NR	199.09
^ 07/20/01	0.00	27.93	0.00	0.02	N/A	0.02	NR	199.11
^ 07/23/01	0.00	27.86	0.00	0.02	N/A	0.02	NR	199.13
^ 07/27/01	0.00	27.86	0.00	0.01	N/A	0.01	NR	199.14
^ 07/31/01	0.00	27.85	0.00	0.01	N/A	0.01	NR	199.15
10/19/01	28.20	28.45	0.25	0.00	N/A	0.00	NR	199.15

Table 3
Summary of Historical LPH Thickness & Recovery Data
Keeter Ford
Cleveland County, North Carolina
GW1 No. 11356

	Depth to LPH	Depth to Water	LPH Thickness	LPH Recovered as Liquid	LPH Recovered as Emissions	Total LPH Recovered (per event)	Wastewater Recovered (per event)	Total LPH Recovered (to date)
Date	(ft)	(ft)	(ft)	(gal)	(gal)	(gal)	(gal)	(gal)
MONITORING WELL MW-10 CONTINUED								
* 10/30/01	28.24	28.46	0.22	11	N/A	11	123	210.15
11/06/01	28.34	28.44	0.10	0.00	N/A	0.00	NR	210.15
^ 11/09/01	0.00	28.57	0.00	0.04	N/A	0.04	NR	210.19
^ 11/12/01	0.00	28.47	0.00	0.03	N/A	0.03	NR	210.22
^ 11/16/01	0.00	28.42	0.00	0.02	N/A	0.02	NR	210.24
^ 11/19/01	0.00	28.53	0.00	0.01	N/A	0.01	NR	210.25
^ 11/23/01	0.00	28.55	0.00	0.01	N/A	0.01	NR	210.26
^ 11/26/01	0.00	28.58	0.00	0.01	N/A	0.01	NR	210.27
^ 11/30/01	0.00	28.54	0.00	0.02	N/A	0.02	NR	210.29
^ 12/03/01	0.00	28.59	0.00	0.02	N/A	0.02	NR	210.31
12/26/01	28.73	28.75	0.02	0.00	N/A	0.00	NR	210.31
* 01/21/02	0.00	29.04	0.00	75.00	N/A	75.00	1053	285.31
02/07/02	29.00	29.03	0.03	0.00	N/A	0.00	NR	285.31
02/14/02	29.01	29.05	0.04	0.00	N/A	0.00	NR	285.31
^ 02/18/02	0.00	29.11	0.00	0.02	N/A	0.02	NR	285.33
^ 02/25/02	0.00	28.93	0.00	0.01	N/A	0.01	NR	285.34
^ 03/05/02	0.00	29.00	0.00	0.01	N/A	0.01	NR	285.35
03/15/02	0.00	29.00	0.00	0.00	N/A	0.00	NR	285.35
^ 05/19/02	28.60	28.64	0.04	0.00	N/A	0.00	478	285.35
^ 06/16/02	28.90	28.93	0.03	35.00	N/A	35.00	4200	320.35
07/23/02	29.28	29.30	0.02	0.00	N/A	0.00	NR	320.35
^ 08/18/02	29.36	29.37	0.01	23.00	N/A	23.00	3491	343.35
08/22/02	0.00	29.87	0.00	0.00	N/A	0.00	NR	343.35
09/10/02	0.00	30.30	0.00	0.00	N/A	0.00	NR	343.35
# 01/20/03	0.00	29.32	0.00	0.00	N/A	0.00	2489	343.35
05/12/03	0.00	27.42	0.00	0.00	N/A	0.00	NR	343.35
08/06/03	0.00	25.89	0.00	0.00	N/A	0.00	NR	343.35
02/03/04	0.00	26.68	0.00	0.00	N/A	0.00	NR	343.35
# 09/02/13	0.00	24.65	0.00	0.00	N/A	0.00	NR	343.35
09/06/13	0.00	26.73	0.00	0.00	0.98	0.98	1910	344.33
# 03/31/14	0.00	23.82	0.00	0.00	N/A	0.00	NR	344.33
04/04/14	0.00	28.50	0.00	0.00	1.16	1.16	3096	345.49
TOTALS ----->				202.48	143.29	345.49	30,004.25	345.49
MONITORING WELL DMW-1								
# 09/29/14	0.00	23.14	0.00	0.00	N/A	0.00	NR	0.00
10/03/14	0.00	27.11	0.00	0.00	0.34	0.34	2390	0.34
# 10/26/15	0.00	23.96	0.00	0.00	N/A	0.00	NR	0.00
10/30/15	0.00	25.41	0.00	0.00	0.84	0.84	2213	1.18
TOTALS ----->				0.00	1.18	1.18	4,603.00	1.18

Table 3
Summary of Historical LPH Thickness & Recovery Data
Keeter Ford
Cleveland County, North Carolina
GW1 No. 11356

	Depth to LPH	Depth to Water	LPH Thickness	LPH Recovered as Liquid	LPH Recovered as Emissions	Total LPH Recovered (per event)	Wastewater Recovered (per event)	Total LPH Recovered (to date)
Date	(ft)	(ft)	(ft)	(gal)	(gal)	(gal)	(gal)	(gal)
RECOVERY WELL RW-1								
# 02/25/13	0.00	29.90	0.00	0	N/A	0.00	NR	0.00
03/01/13	30.45	30.55	0.10	0	44.08	44.08	3580	44.08
# 09/02/13	0.00	23.60	0.00	0	N/A	0.00	NR	44.08
09/06/13	0.00	31.61	0.00	0	0.98	0.98	1910	45.06
# 03/31/14	0.00	22.76	0.00	0	N/A	0.00	NR	45.06
04/04/14	0.00	28.56	0.00	0	1.16	1.16	3096	46.22
# 09/29/14	0.00	22.59	0.00	0	N/A	0.00	NR	46.22
10/03/14	0.00	28.52	0.00	0	0.35	0.35	2391	46.57
# 10/26/15	23.42	23.43	0.01	0.00	N/A	0.00	NR	0.00
10/30/15	0.00	27.14	0.00	0.00	0.84	0.84	2214	47.41
TOTALS ----->				0.00	47.41	47.41	13,191	47.41
RECOVERY WELL RW-2								
# 05/12/03	0.00	NA	0.00	0	N/A	0.00	NR	0.00
05/16/03	0.00	26.69	0.00	0	N/A	0.00	3878	0.00
TOTALS ----->				0.00	N/A	0.00	3,878	0.00
RECOVERY WELL RW-3								
# 11/02/07	0.00	29.90	0.00	0	16.55	16.55	5757	16.55
01/03/08	30.45	30.55	0.10	0	N/A	0.00	NR	16.55
TOTALS ----->				0.00	16.55	16.55	5,757	16.55
RECOVERY WELL RW-4								
# 05/12/03	0.00	NA	0.00	0	N/A	0.00	NR	0.00
05/16/03	0.00	28.07	0.00	0	N/A	0.00	3878	0.00
# 09/02/13	0.00	24.73	0.00	0	N/A	0.00	NR	0.00
09/06/13	0.00	26.51	0.00	0	0.98	0.98	1910	0.98
# 03/31/14	0.00	23.91	0.00	0	N/A	0.00	NR	0.98
04/04/14	0.00	28.25	0.00	0	1.16	1.16	3096	2.14
TOTALS ----->				0.00	2.14	2.14	8,884	2.14
TOTAL REMOVED ----->				203.77	210.56	N/A	69,007.25	414.06

Note:

NM= Not measured.

NR = No Recovery

N/A = Not Applicable

^ DATE = LPH Recovered as Liquid based on weighed LPH saturated absorbent sock minus dry weight of absorbent sock

* DATE * = AFVR conducted on this date

= MMPE conducted on this date

Table 4 Summary of Analytical Results - Groundwater Samples Keeter Ford Cleveland County, North Carolina GW1 No. 11356										
Analytical Method---->		EPA Method 6200B								
		Benzene	Toluene	Ethylbenzene	Total Xylenes	Methyl tert-butyl Ether	Isopropylether (IPE)	1,2-Dibromoethane (EDB)	Naphthalene	1,2 Dichloroethane
15A NCAC 2L.0202 Standard---->		1	600	600	500	20	70	0.02	6	0.4
15A NCAC 2L.0115 Gross Contamination level-->		5,000	260,000	84,500	85,500	20,000	70,000	50	6,000	400
Location	Date	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-1A	12/04/15	18.2	ND	ND	40.7	1,660	25	ND	ND	19.5
MW-2	12/04/15	ND	1.2	10.9	33.1	ND	ND	ND	4.4	ND
MW-3	12/04/15	6.5	159	98.4	500	3.1	ND	ND	43.3	ND
MW-6	12/04/15	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-7	12/04/15	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-9	12/04/15	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-10	12/04/15	485	1,960	1,120	18,670	298	ND	ND	1,410	ND
DMW-1	12/04/15	8,940	ND	317	1,408	3,880	223	ND	141	121
RW-1	12/04/15	4,740	ND	392	1,966	9,770	198	ND	ND	117
RW-2	12/04/15	466	10,800	2,180	16,750	206	ND	ND	620	ND
RW-3	12/04/15	25.7	4,190	2,640	18,370	ND	ND	ND	1,140	ND
RW-4	12/04/15	1,240	14,500	2,770	23,750	286	ND	ND	1,260	ND
Trip Blank	12/04/15	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

NE = Not established.

ug/l = Micrograms per liter.

mg/L = Milligrams per liter

ND = Not detected at or above the method detection limit specified in the laboratory report.

NS = Not sampled per NCDENR request.

MDL = Method Detection Limit

NR = Laboratory analysis not requested.

15A. NCAC 2L.0202 = NCDENR Standard Statute for non-risked based maximum allowable containment concentration in groundwater

Gross Contaminate Levels = NCDENR Standard Statute for risked based maximum gross contamination levels for groundwater as

presented in the NCDENR "Guidelines for Assessment and Corrective Action," dated April 2001, effective July 1, 2001.

All other data can be seen in the attached laboratory report.

LPH = Liquid Phase Hydrocarbons

Bold values were detected at or above 2L Standards

Italicized values were detected at or above the GCLs

Table 5 Historical Analytical Results Groundwater Samples Keeter Ford GWI No. 11356													
		Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	IPE	1,2 Dichloroethane	EDB	Lead	Iron	Naphthalene
15A NCAC 2L.0202 Standard-->		1	600	600	500	NE	20	70	0.4	0.02	15	NE	6
15A NCAC 2L.0115 Gross Contamination level-->		5,000	260,000	84,500	85,500	NE	20,000	70,000	400	50	15,000	NE	6,000
Location	Date	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L
Water Supply Well Sampling Events													
WSW-1	05/18/95	ND	ND	ND	ND	N/A	ND	ND	ND	NA	NA	NA	UN
	04/30/97	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	NA	UN
	02/20/98	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	NA	UN
	05/14/98	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	NA	NA
WSW-PUTNAM	12/23/96	ND	ND	ND	ND	N/A	ND	ND	ND	ND	0.007	NA	UN
	03/26/97	ND	ND	ND	ND	N/A	22	ND	ND	ND	NA	NA	UN
	08/29/97	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	NA	UN
	08/12/98	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	NA	UN
	11/13/98	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	NA	UN
	02/11/99	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	NA	UN
	08/16/99	ND	ND	ND	ND	N/A	ND	ND	ND	NA	NA	NA	UN
	02/02/00	ND	ND	ND	ND	N/A	ND	ND	ND	NA	NA	NA	UN
	08/04/00	ND	ND	ND	ND	N/A	ND	ND	ND	NA	NS	NA	UN
	02/05/01	ND	ND	ND	ND	N/A	ND	ND	ND	NA	NS	NA	UN
	08/20/01	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	NA	UN
	02/07/01	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	NA	UN
	08/22/02	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	NA	UN
	02/12/03	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	NA	UN
	08/06/03	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	NA	ND
	02/04/04	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	NA	NA
	06/11/07	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	NA	NA
	01/03/08	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	7.43	ND
GP-1	10/30/95	ND	1.5	ND	ND	N/A	ND	NA	NA	NA	NA	NA	UN
Monitoring Well Sampling Events													
MW-1	05/23/95	16,000	13,000	1,700	8,000	38,700	8,200	ND	ND	61	ND	NA	UN
	02/01/96	140	190	32	450	812	140	210	2.2	0.91	0.007	NA	UN
	04/01/96	ND	ND	ND	ND	N/A	NA	NA	NA	NA	NA	NA	UN
	12/10/96	4,000	2,600	370	1,600	8,570	2,900	250	56	3.6	0.0269	NA	UN
Well Destroyed													
MW-1A	08/01/97	16,000	9,600	1,300	6,500	33,400	7,900	260E	1,000	77	0.006	NA	UN
	08/29/97	25,000	19,000	1,700	11,000	56,700	15,000	630	770	140	NA	NA	UN
	02/20/98	18,000	12,000	1,500	11,000	42,500	13,000	770	810	120	NA	NA	UN
	08/12/98	20,000	19,000	1,700	11,300	52,000	21,000	660	ND	ND	NA	49	UN
	02/12/99	12,000	6,800	980	5,700	25,480	12,000	430	430	ND	NA	16	UN
	08/16/99	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	UN
	02/02/00	16,000	10,000	1,400	7,500	34,900	17,000	630	680	ND	NA	64	UN
	08/04/00	12,000	8,600	1,300	5,900	27,800	6,900	ND	ND	ND	NS	59	UN
	02/05/01	7,900	3,700	740	4,900	17,240	13,000	4,500	ND	ND	NA	140	UN
	08/20/01	11,000	2,500	870	4,700	19,070	15,000	ND	ND	ND	NA	34	UN
	02/07/02	12,000	3,400	1,200	6,000	22,600	21,000	600	950	ND	NA	56	UN
	09/10/02	60	ND	ND	ND	60	8,500	230	140	ND	NA	NA	UN
	02/12/03	850	ND	20	80	950	6,300	220	180	ND	NA	10	UN
	08/06/03	7,600	ND	650	2,500	10,750	25,000	ND	ND	ND	NA	1.3	ND
	02/04/04	13,000	5,600	1,100	5,300	25,000	31,000	ND	ND	ND	NA	3.6	NA
	06/11/07	10,000	6,600	1,200	5,900	23,700	39,000	ND	ND	ND	NA	NA	ND
	01/03/08	NOT SAMPLED- DRY											
	07/11/12	522	ND	ND	ND	522	5,980	ND	ND	ND	NA	NA	ND
	03/26/13	546	4.2	19.8	238	808	10,000	118	73.2	ND	NA	NA	26.2
	10/25/13	12.9	ND	ND	11.7	24.6	1,420	19	12.7	ND	NA	NA	ND
	04/28/14	69.2	ND	7.2	45.0	121.4	4,730	67.7	38.1	ND	NA	NA	ND
	10/30/14	22.8	ND	ND	21.0	43.8	2,130	27.8	19.8	ND	NA	NA	ND
	12/04/15	18.2	ND	ND	40.7	58.9	1,660	25	19.5	ND	NA	NA	ND

Table 5 Historical Analytical Results Groundwater Samples Ketter Ford GWI No. 11356													
		Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	IPE	1,2 Dichloroethane	EDB	Lead	Iron	Naphthalene
15A NCAC 2L0202 Standard-->		1	600	600	500	NE	20	70	0.4	0.02	15	NE	6
15A NCAC 2L0115 Gross Contamination level-->		5,000	260,000	84,500	85,500	NE	20,000	70,000	400	50	15,000	NE	6,000
Location	Date	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L
MW-2	06/26/95	6,300	12,000	1,200	6,400	25,900	88	NR	NR	0.29	NR	NA	UN
	02/01/96	7,700	13,000	1,500	8,000	30,200	220	520	ND	1.5	0.006	NA	UN
	04/01/96	9,000	16,000	1,700	6,800	33,500	NA	NA	NA	NA	NA	NA	UN
	12/10/96	9,200	15,000	2,400	12,000	38,600	ND	280	ND	ND	0.085	NA	UN
	07/02/97	7,600	14,000	1,200	8,000	30,800	290	480	ND	0.73	0.006	NA	UN
	08/29/97	8,700	15,000	1,800	10,000	35,500	130	520	ND	0.76	NA	NA	UN
	02/20/98	3,600	3,900	620	3,600	11,720	54	87	ND	1	NA	NA	UN
	08/12/98	3,100	5,200	680	4,300	13,280	ND	ND	ND	0.76	ND	22	UN
	02/12/99	2	ND	ND	ND	2	88	4	1	ND	ND	49	UN
	08/16/99	2,500	3,400	1,400	7,900	15,200	200	200	ND	ND	NA	43	UN
	02/02/00	2,300	5,000	760	4,500	12,560	ND	ND	ND	ND	NA	29	UN
	08/04/00	LIQUID PHASE HYDROCARBONS											
	02/05/01	5,400	15,000	2,300	14,500	37,200	ND	ND	ND	ND	NA	170	UN
	08/20/01	5,100	11,000	820	6,400	23,320	ND	ND	ND	ND	NA	14	UN
	02/07/02	4,900	10,000	ND	6,500	21,400	ND	ND	ND	ND	NA	23	UN
	09/10/02	4,000	8,800	590	5,200	18,590	ND	ND	ND	ND	NA	36	UN
	02/12/03	4,600	14,000	820	6,100	25,520	ND	ND	ND	ND	NA	21	UN
	08/06/03	2,900	15,000	1,000	9,200	28,100	ND	ND	ND	ND	NA	6.6	ND
	02/04/04	2,100	15,000	1,200	11,600	29,900	ND	ND	ND	ND	NA	7.8	NA
	06/11/07	ND	12,000	2,200	14,000	28,200	ND	ND	ND	ND	NA	NA	ND
	01/03/08	NOT SAMPLED- INSUFFICIENT WATER IN WELL											
	07/11/12	ND	105	346	1,818	2,269	ND	ND	ND	ND	NA	NA	126
	03/26/13	3.5	141	533	2,590	3,267.5	3.1	ND	ND	ND	NA	NA	230
	10/25/13	9.1	72.7	313	1,625	2,019.8	ND	ND	ND	ND	NA	NA	137
	04/28/14	4.5	80	255	1,769	2,108.5	ND	ND	ND	ND	NA	NA	152
	10/30/14	ND	2	11	41.2	54.2	ND	ND	ND	ND	NA	NA	4.2
	12/04/15	ND	1.2	10.9	33.1	45.2	ND	ND	ND	ND	NA	NA	4.4
MW-3	06/26/95	1,300	200	64	700	2,264	11	NR	NR	0.63	NR	NA	UN
	02/01/96	2,800	1,400	430	2,400	7,030	ND	110	ND	1.9	ND	NA	UN
	04/01/96	3,000	1,400	220	1,600	6,220	NA	NA	NA	NA	NA	NA	UN
	12/10/96	5,100	5,500	820	3,100	14,520	200	ND	ND	9.4	ND	NA	UN
	07/02/97	4,000	3,300	480	2,700	10,480	120	170	ND	8.8	0.005	NA	UN
	08/29/97	2,400	650	160	1,300	4,510	ND	ND	ND	0.60	NA	NA	UN
	02/20/98	9,000	8,800	780	5,700	24,280	230	500	25	82	NA	NA	UN
	08/12/98	3,300	3,800	410	2,860	10,370	ND	ND	ND	ND	NA	70	UN
	02/12/99	7,000	10,000	870	4,800	22,670	ND	ND	ND	ND	ND	72	UN
	08/16/99	5,500	8,800	850	4,500	19,650	ND	ND	ND	ND	NA	34	UN
	02/02/00	6,400	10,000	950	5,600	22,950	ND	ND	ND	ND	NA	43	UN
	08/04/00	5,200	8,300	730	5,000	19,230	ND	ND	ND	ND	NA	49	UN
	02/05/01	LIQUID PHASE HYDROCARBONS											
	08/20/01	LIQUID PHASE HYDROCARBONS											
	02/07/02	6,500	24,000	2,300	16,600	49,400	ND	ND	ND	ND	NA	30	UN
	08/22/02	NOT SAMPLED-INSUFFICIENT WATER IN WELL											
	02/12/03	NOT SAMPLED-INSUFFICIENT WATER IN WELL											
	08/06/03	360	1,600	130	1,400	3,490	ND	ND	ND	ND	NA	13	120
	02/04/04	340	1,400	170	1,310	3,220	ND	ND	ND	ND	NA	25	NA
	06/11/07	340	5,900	2,800	9,500	18,540	ND	71	ND	ND	NA	NA	710
	01/03/08	NOT SAMPLED - DRY											
	07/11/12	20.4	72.8	116	792	1,001	17.8	ND	ND	ND	NA	NA	35.8
	03/26/13	38.2	302	259	1,575	2,174.2	23.9	ND	ND	ND	NA	NA	142
	10/25/13	20.3	223	120	852	1,215.3	14.8	ND	ND	ND	NA	NA	65.5
	04/28/14	65.6	1,420	431	3,122	5,038.6	21.8	2.1	ND	ND	NA	NA	269
	10/30/14	7.8	76.1	42.9	346.1	472.9	7.3	0.6	ND	ND	NA	NA	19.5
	12/04/15	6.5	159	98.4	500.0	763.9	3.1	ND	ND	ND	NA	NA	43.3

Table 5 Historical Analytical Results Groundwater Samples Keeter Ford GWI No. 11356														
		Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	IPE	1,2 Dichloroethane	EDB	Lead	Iron	Naphthalene	
15A NCAC 21.0202 Standard--->		1	600	600	500	NE	20	70	0.4	0.02	15	NE	6	
15A NCAC 21.0115 Gross Contamination level-->		5,000	260,000	84,500	85,500	NE	20,000	70,000	400	50	15,000	NE	6,000	
Location	Date	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	
MW-4	02/01/96	ND	ND	ND	ND	N/A	ND	ND	ND	ND	ND	NA	UN	
	04/01/96	ND	ND	ND	ND	N/A	NA	NA	NA	NA	NA	NA	UN	
	12/10/96	ND	ND	ND	ND	N/A	ND	ND	ND	ND	ND	NA	UN	
	08/29/97	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	NA	UN	
	02/20/98	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	NA	UN	
	08/12/98	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	99	UN	
	02/12/99	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	14	UN	
	08/16/99	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	27	UN	
	02/02/00	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	18	UN	
	08/04/00	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	150	UN	
	02/05/01	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	98	UN	
	08/30/01	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	68	UN	
WELL ABANDONED														
MW-5	02/01/96	ND	ND	ND	ND	N/A	ND	ND	ND	ND	ND	NA	UN	
	04/01/96	ND	ND	ND	ND	N/A	NA	NA	NA	NA	NA	NA	UN	
	12/10/96	ND	ND	ND	ND	N/A	ND	ND	ND	ND	ND	NA	UN	
	08/29/97	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	NA	UN	
	02/20/98	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	NA	UN	
	08/12/98	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	63	UN	
	02/12/99	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	1.4	UN	
	08/16/99	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	72	UN	
	02/02/00	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	220	UN	
	08/04/00	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NS	NS	UN	
	02/05/01	NOT SAMPLED-WELL DRY												
	08/30/01	NOT SAMPLED-WELL DRY												
WELL DESTROYED BY NCDOT														
MW-6	02/01/96	140	6.8	2.9	76	225.7	ND	ND	ND	ND	0.008	NA	UN	
	04/01/96	91	5.7	ND	84	180.7	NA	NA	NA	NA	NA	NA	UN	
	12/10/96	410	22	4.3	240	676.3	ND	13	ND	ND	0.041	NA	UN	
	07/02/97	250	15	4.8	190	455.0	ND	3.5	ND	0.05	0.014	NA	UN	
	08/29/97	310	18	4.2	220	552.2	ND	ND	ND	ND	NA	NA	UN	
	02/20/98	280	9.9	1.4	120	411.3	33	ND	ND	ND	NA	NA	UN	
	08/12/98	76	3.6	ND	47.8	127.4	ND	ND	ND	ND	NA	19	UN	
	02/12/99	96	4	ND	87	187.0	187	ND	ND	ND	ND	6.3	UN	
	08/16/99	34	ND	ND	42	76.0	ND	ND	ND	ND	NA	26	UN	
	02/02/00	4.7	ND	ND	8.3	13.0	ND	ND	ND	ND	NA	7	UN	
	08/04/00	3.8	ND	ND	2	5.8	ND	ND	ND	ND	NS	64	UN	
	02/05/01	13	15	4.6	39	71.6	ND	1.9	ND	ND	NA	120	UN	
	08/20/01	5.2	ND	ND	ND	5.2	ND	ND	ND	ND	NA	NA	UN	
	02/07/02	2.6	ND	ND	2.8	5.4	ND	ND	ND	ND	NA	130	UN	
	08/22/02	NOT SAMPLED-INSUFFICIENT WATER IN WELL												
	02/12/03	NOT SAMPLED-INSUFFICIENT WATER IN WELL												
	08/06/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	1.1	ND
	02/04/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	1.0	NA
	06/11/07	ND	2.2	ND	3.1	5.3	ND	ND	ND	ND	ND	NA	NA	ND
	01/03/08	NOT SAMPLED-INSUFFICIENT WATER IN WELL												
	07/11/12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
	03/26/13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
	10/25/13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
	04/28/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
	10/30/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
	12/04/15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND

Table 5 Historical Analytical Results Groundwater Samples Ketter Ford GWI No. 11356													
		Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	IPR	1,2 Dichloroethane	EDB	Lead	Iron	Naphthalene
15A NCAC 21L.0202 Standard-->		1	600	600	500	NE	20	70	0.4	0.02	15	NE	6
15A NCAC 21L.0115 Gross Contamination level-->		5,000	260,000	84,500	85,500	NE	28,000	70,000	400	50	15,000	NE	6,000
Location	Date	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L
MW-7	02/01/96	ND	ND	ND	ND	N/A	85	ND	ND	ND	ND	NA	UN
	04/01/96	2.5	ND	ND	ND	2.5	NA	NA	NA	NA	NA	NA	UN
	12/10/96	3.5	2.6	ND	ND	6.1	ND	57	ND	ND	ND	NA	UN
	07/02/97	2.7	1.9	ND	ND	0.0	ND	ND	ND	ND	ND	NA	UN
	08/29/97	4.7	2.2	ND	ND	6.9	ND	ND	ND	ND	NA	NA	UN
	02/20/98	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	NA	UN
	08/12/98	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	39	UN
	02/12/99	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	51	UN
	08/16/99	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	3.4	UN
	02/02/00	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	51	UN
	08/04/00	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NS	74	UN
	02/05/01	ND	4.5	ND	5.5	10.0	ND	ND	ND	ND	NA	810	UN
	08/20/01	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	1.1	UN
	02/07/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0.84	UN
	08/22/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	9.6	UN
	02/12/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	18	UN
	08/06/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	1.1	ND
	02/04/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	1.1	NA
	06/11/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
	01/03/08	NOT SAMPLED- INSUFFICIENT WATER IN WELL											
	07/11/12	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
	03/26/13	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
	10/25/13	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
	04/28/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
	10/30/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
	12/04/15	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
MW-8	12/10/96	ND	ND	ND	ND	N/A	ND	ND	ND	ND	ND	NA	UN
	07/02/97	ND	ND	ND	ND	N/A	ND	ND	ND	ND	ND	NA	UN
	08/29/97	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	NA	UN
	02/20/98	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	NA	UN
	08/12/98	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	43	UN
	02/12/99	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	37	UN
	08/16/99	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	110	UN
	02/02/00	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	70	UN
	08/04/00	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NS	32	UN
	02/05/01	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NS	410	UN
	08/20/01	NOT SAMPLED-COULD NOT LOCATE WELL											
MW-9		WELL DESTROYED BY NCDOT											
	12/10/96	ND	ND	ND	3.1	3.1	31	ND	ND	ND	ND	NA	UN
	07/02/97	27	ND	ND	ND	27.0	ND	ND	ND	ND	ND	NA	UN
	08/29/97	41	ND	ND	3.5	44.5	ND	ND	ND	ND	NA	NA	UN
	02/20/98	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	NA	UN
	08/12/98	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	15	UN
	02/12/99	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	29	UN
	08/16/99	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	52	UN
	02/02/00	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	20	UN
	08/04/00	1.3	12	3.9	23.4	40.6	ND	ND	ND	ND	NS	76	UN
	02/05/01	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	39	UN
	08/20/01	NOT SAMPLED-NOT ENOUGH WATER											
	02/07/02	NOT SAMPLED-NOT ENOUGH WATER											
	08/22/02	NOT SAMPLED-DRY WELL											
	02/12/03	NOT SAMPLED-DRY WELL											
	08/06/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	12	ND
	02/04/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
	06/11/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
	01/03/08	NOT SAMPLED - DRY											
	07/11/12	NOT SAMPLED - DRY											
	03/26/13	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
	10/25/13	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
	04/28/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
	10/30/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
	12/04/15	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND

Table 5 Historical Analytical Results Groundwater Samples Keeter Ford GWI No. 11356													
		Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	IPE	1,2 Dichloroethane	EDB	Lead	Iron	Naphthalene
15A NCAC 2L.0202 Standard-->		1	600	600	500	NE	20	70	0.4	0.02	15	NE	6
15A NCAC 2L.0115 Gross Contamination level-->		5,000	260,000	84,500	85,500	NE	20,000	70,000	400	50	15,000	NE	6,000
Location	Date	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L
MW-10	02/05/01	23,000	41,000	4,100	22,300	90,400	5,000	1300	ND	ND	NA	180	UN
	08/30/01	LIQUID PHASE HYDROCARBONS											
	02/07/02	LIQUID PHASE HYDROCARBONS											
	08/22/02	NOT SAMPLED-INSUFFICIENT WATER IN WELL											
	02/12/03	NOT SAMPLED-INSUFFICIENT WATER IN WELL											
	08/06/03	11,000	15,000	740	15,000	41,740	6,700	ND	ND	ND	NA	3.5	1,300
	02/04/04	4,900	9,800	ND	10,300	25,000	4,400	ND	ND	ND	NA	1.7	NA
	06/11/07	2,700	16,000	1,100	16,000	35,800	1,700	ND	ND	ND	NA	NA	1,400
	01/03/08	NOT SAMPLED - DRY											
	07/11/12	3,490	9,850	920	13,210	27,470	1,780	ND	ND	ND	NA	NA	608
	03/26/13	5,170	8,340	1,300	13,150	27,960	1,500	82.9	36.2	22.7	NA	NA	757
	10/25/13	1,250	4,890	1,160	15,760	23,060	764	ND	ND	ND	NA	NA	1,470
	04/28/14	1,160	4,000	908	14,070	20,138	627	ND	ND	ND	NA	NA	1,570
	10/30/14	228	2,610	734	14,130	17,702	342	ND	ND	ND	NA	NA	1,540
	12/04/15	485	1,960	1,120	18,670	22,235	298	ND	ND	ND	NA	NA	1,410
DMW-1	02/01/96	30	4.2	1.3	3.2	38.7	68	2.1	1.4	0.23	ND	NA	UN
	04/01/96	ND	ND	ND	ND	N/A	NA	NA	NA	NA	NA	NA	UN
	12/10/96	2	ND	ND	ND	2.0	15	ND	1.2	ND	ND	NA	UN
	08/29/97	7.2	ND	ND	ND	7.2	24	3	ND	ND	NA	NA	UN
	02/20/98	5.4	ND	ND	ND	5.4	27	ND	2	ND	NA	NA	UN
	08/12/98	12	1.5	ND	5.1	18.6	75	4	ND	ND	NA	2.3	UN
	02/12/99	ND	ND	ND	ND	N/A	ND	ND	ND	ND	NA	0.81	UN
	08/16/99	310	2	14	37	363.0	820	28	19	ND	NA	1.2	UN
	02/02/00	24	ND	ND	ND	24.0	210	9	ND	ND	NA	82	UN
	08/04/00	27	ND	1.7	5	33.7	280	9.6	4.7	ND	NS	0.53	UN
	02/05/01	19	ND	ND	ND	19.0	420	ND	ND	ND	NS	3.7	UN
	08/20/01	210	ND	11	ND	221	390	13	ND	ND	NA	0.98	UN
	02/07/02	240	ND	19	53	312	440	20	18	ND	NA	0.31	UN
	08/22/02	88	ND	6.8	15	110	430	18	14	ND	NA	1.3	UN
	02/12/03	63	ND	4.1	14	81.1	360	16	12	ND	NA	0.58	UN
	08/06/03	110	ND	ND	13	113.0	460	18	13	ND	NA	0.5	ND
	02/04/04	30	ND	ND	ND	30.0	310	ND	ND	ND	NA	0.34	NA
	06/11/07	570	ND	ND	47	617	600	27	17	ND	NA	NA	ND
	01/03/08	385	ND	ND	41.4	426.4	599	27.5	12.7	ND	NA	4.44	ND
	07/11/12	3,910	ND	ND	338	4,248	2,650	130	ND	ND	NA	NA	ND
	03/26/13	4,410	ND	84.7	487	4,982	2,390	141	59.9	2	NA	NA	72.4
	10/25/13	4,900	ND	137	783	5,820	2,910	145	76.6	ND	NA	NA	106
	04/28/14	5,080	ND	139	740	5,959	2,890	159	84.9	ND	NA	NA	143
	10/30/14	6,540	ND	323	1247	8,110	2,790	162	84.4	ND	NA	NA	130
	12/04/15	8,940	ND	317	1408	10,665	3,880	223	121	ND	NA	NA	141

Table 5 Historical Analytical Results Groundwater Samples Keeler Ford GW1 No. 11356													
		Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	IPE	1,2 Dichloroethane	EDB	Levd	Iron	Naphthalene
15A NCAC 2L.0202 Standard---		1	600	600	500	NE	20	70	0.4	0.02	15	NE	6
15A NCAC 2L.0115 Gross Contamination level---		5,000	260,000	84,500	85,500	NE	20,000	70,000	400	50	15,000	NE	6,000
Location	Date	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L
RW-1	08/22/02	910	38	14	170	1,132	700	89	39	ND	NA	ND	UN
	02/12/03	3,100	ND	62	1,300	4,462	1,300	150	72	ND	NA	ND	UN
	08/06/03	6,400	110	340	2,400	9,250	4,800	270	140	3.5	NA	2.2	50
	02/04/04	9,200	600	600	3,090	13,490	8,100	290	370	ND	NA	2.8	NA
	06/11/07	11,000	ND	620	2,500	14,120	12,000	400	300	ND	NA	NA	ND
	01/03/08	15,100	755	1,030	3,980	20,865	13,900	434	283	ND	NA	2.47	ND
	07/11/12	6,920	ND	630	2,735	10,285	14,500	315	ND	ND	NA	NA	ND
	03/26/13	9,270	138	523	2,449	12,380	9,720	294	137	ND	NA	NA	104
	10/25/13	8,780	106	817	3,972	13,675	11,000	270	142	ND	NA	NA	ND
	04/28/14	7,500	117	517	2,568	10,702	9,900	266	141	ND	NA	NA	ND
	10/30/14	7,740	75.2	672	3,048	11,535	10,500	254	144	ND	NA	NA	ND
	12/04/15	4,740	ND	392	1,966	7,098	9,770	198	117	ND	NA	NA	ND
RW-2	08/22/02	16,000	35,000	3,400	16,000	70,400	1,900	570	130	ND	NA	3.3	UN
	02/12/03	21,000	41,000	3,800	21,000	86,800	2,900	700	110	ND	NA	ND	UN
	08/06/03	11,000	28,000	2,800	21,000	62,800	2,000	ND	ND	ND	NA	0.39	ND
	02/04/04	10,000	25,000	2,200	16,500	53,700	ND	ND	ND	ND	NA	0.2	NA
	06/11/07	2,500	26,000	2,400	16,000	46,900	ND	ND	ND	ND	NA	NA	ND
	01/03/08	2,570	19,200	2,340	13,100	37,210	ND	ND	ND	ND	NA	0.073	ND
	07/11/12	1,350	16,700	2,250	15,870	36,170	ND	ND	ND	ND	NA	NA	696
	03/26/13	996	16,100	2,520	16,690	36,306	136	ND	ND	5.7	NA	NA	835
	10/25/13	1,050	16,100	2,560	18,640	38,350	208	ND	ND	ND	NA	NA	855
	04/28/14	580	9,120	1,640	12,120	23,460	152	ND	ND	ND	NA	NA	692
	10/30/14	736	12,000	2,250	16,310	31,296	132	ND	144	ND	NA	NA	ND
	12/04/15	466	10,800	2,180	16,750	30,196	206	ND	ND	ND	NA	NA	620
RW-3	08/22/02	5,800	26,000	2,900	12,000	46,700	ND	ND	ND	ND	NA	ND	UN
	02/12/03	3,800	22,000	3,300	17,000	46,100	ND	ND	ND	ND	NA	ND	UN
	08/06/03	2,600	19,000	2,500	17,000	41,100	1,300	ND	ND	ND	NA	0.6	ND
	02/04/04	1,600	17,000	2,500	13,400	34,500	ND	ND	ND	ND	NA	0.077	NA
	06/11/07	ND	11,000	2,100	13,000	26,100	ND	ND	ND	ND	NA	NA	ND
	01/03/08	NOT SAMPLED - LIQUID PHASE HYDROCARBONS											
	07/11/12	ND	10,100	1,760	15,060	26,920	ND	ND	ND	ND	NA	NA	676
	03/26/13	120	9,040	1,820	14,620	25,600	12.4	ND	ND	ND	NA	NA	812
	10/25/13	66.6	5,840	2,120	16,340	24,367	ND	ND	ND	ND	NA	NA	1,000
	04/28/14	61	4,290	1,980	14,370	20,701	ND	ND	ND	ND	NA	NA	896
	10/30/14	36	3,610	2,090	14,940	20,676	397	ND	ND	ND	NA	NA	1,060
	12/04/15	25.7	4,190	2,640	18,370	25,226	ND	ND	ND	ND	NA	NA	1,140
RW-4	02/12/03	19,000	38,000	3,800	22,000	82,800	1,900	ND	ND	ND	NA	0.35	UN
	08/06/03	11,000	24,000	2,000	14,000	51,000	2,800	ND	ND	ND	NA	2	770
	02/04/04	9,900	29,000	2,700	15,400	57,000	ND	ND	ND	ND	NA	0.13	NA
	06/11/07	4,700	23,000	2,000	14,000	43,700	660	ND	ND	ND	NA	NA	ND
	01/03/08	5,880	17,900	1,940	10,500	36,220	1,360	ND	ND	ND	NA	2.52	ND
	07/11/12	4,300	17,400	2,020	15,190	38,910	720	ND	ND	ND	NA	NA	848
	03/26/13	5,290	12,100	2,070	13,280	32,740	856	80.3	30.5	13.2	NA	NA	953
	10/25/13	1,030	11,400	1,740	16,170	30,340	390	ND	ND	ND	NA	NA	1220
	04/28/14	1,180	15,900	2,560	19,460	39,100	278	ND	ND	ND	NA	NA	1,110
	10/30/14	2,110	14,100	2,400	18,130	36,740	397	ND	ND	ND	NA	NA	1,150
	12/04/15	1,240	14,500	2,770	23,750	42,260	286	ND	ND	ND	NA	NA	1,260

Notes:

N/A = Not applicable.

ND = Not detected at or above method detection limits specified in the laboratory report.

NA = Not analyzed.

MAC = Maximum allowable concentration per T15A NCAC 2L.0202.

NS = Not specified.

E = Estimated.

Concentrations of dichloromethane may be the result of a laboratory contaminant - per laboratory comment.

NE = Not established.

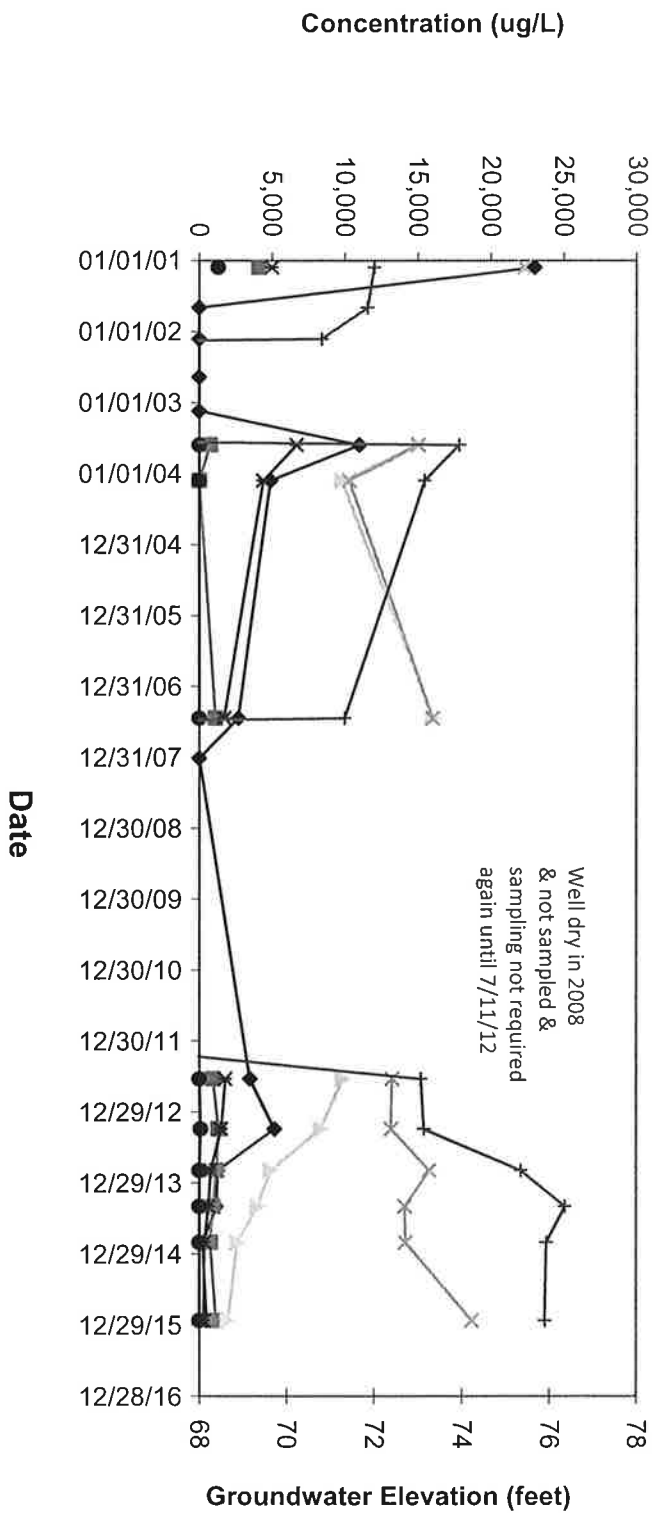
UN = Unavailable, previous laboratory data for naphthalene not recorded in table.

I = Compound concentrations exceeds the calibration range of the instrument (CLP E-Flag)

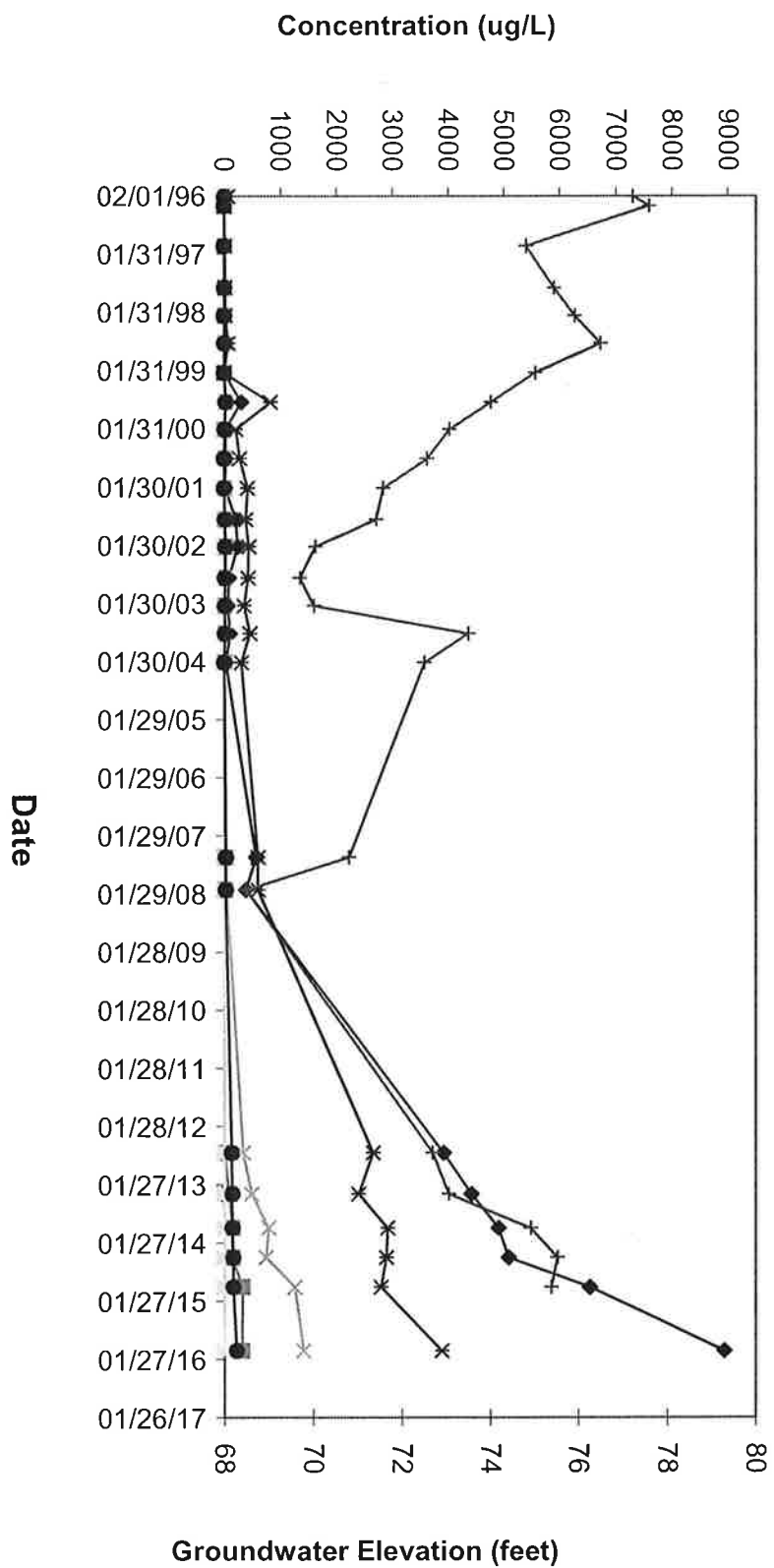
Bold values were detected at or above 2L Standards

Italicized values were detected at or above the GCLs

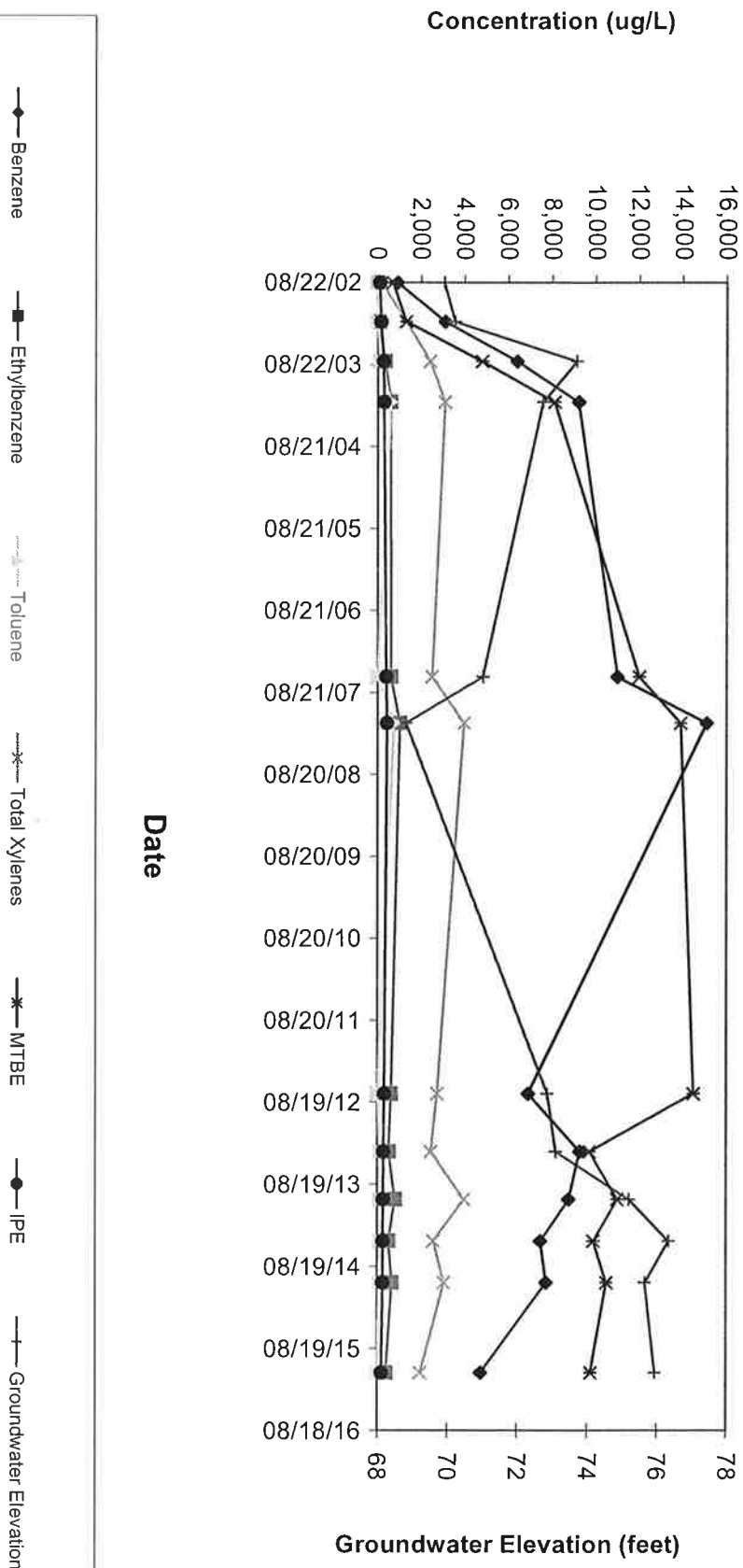
Concentrations and Groundwater Elevations vs. Time (MW-10)



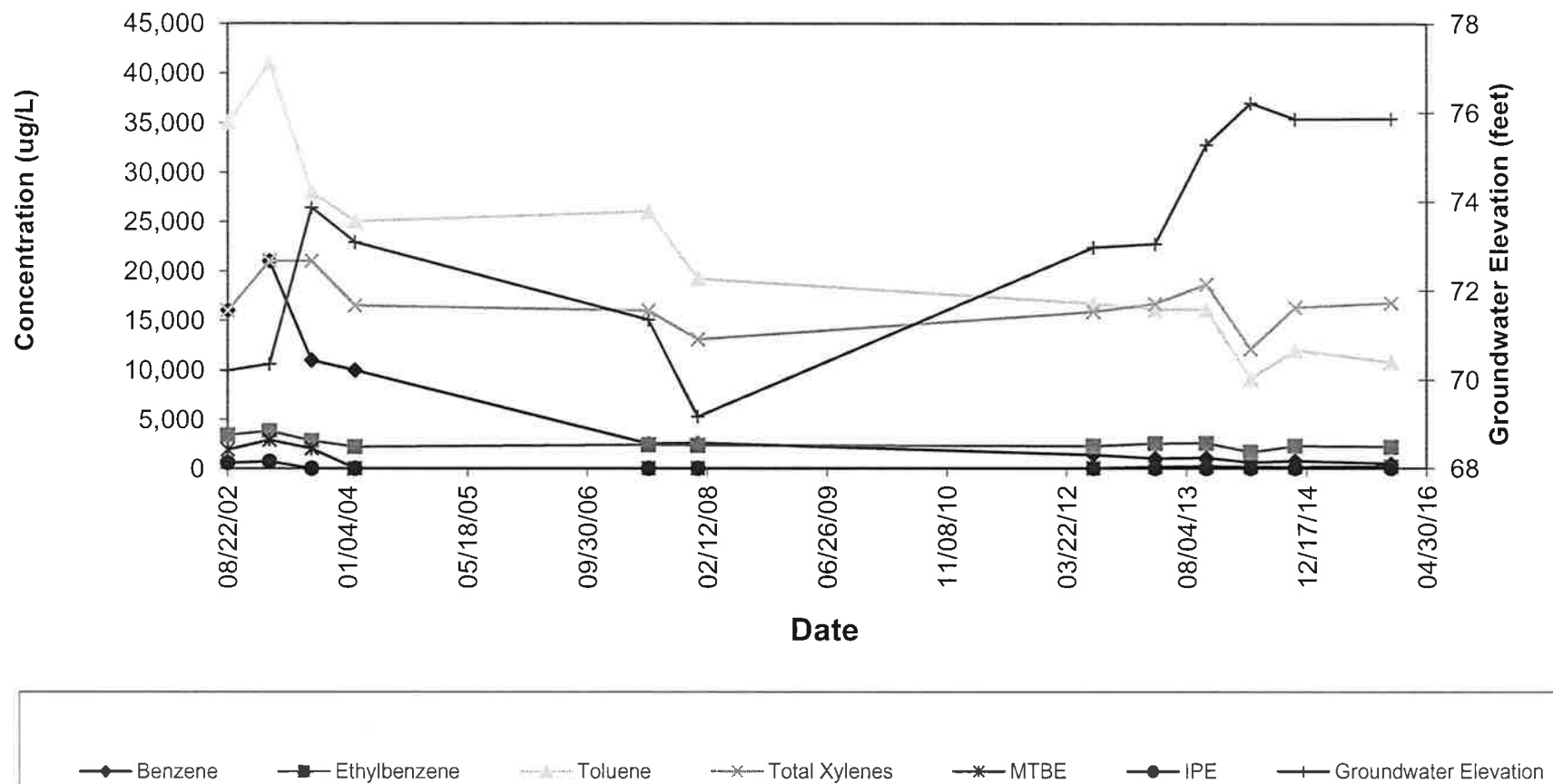
Concentrations and Groundwater Elevations vs. Time (DMW-1)



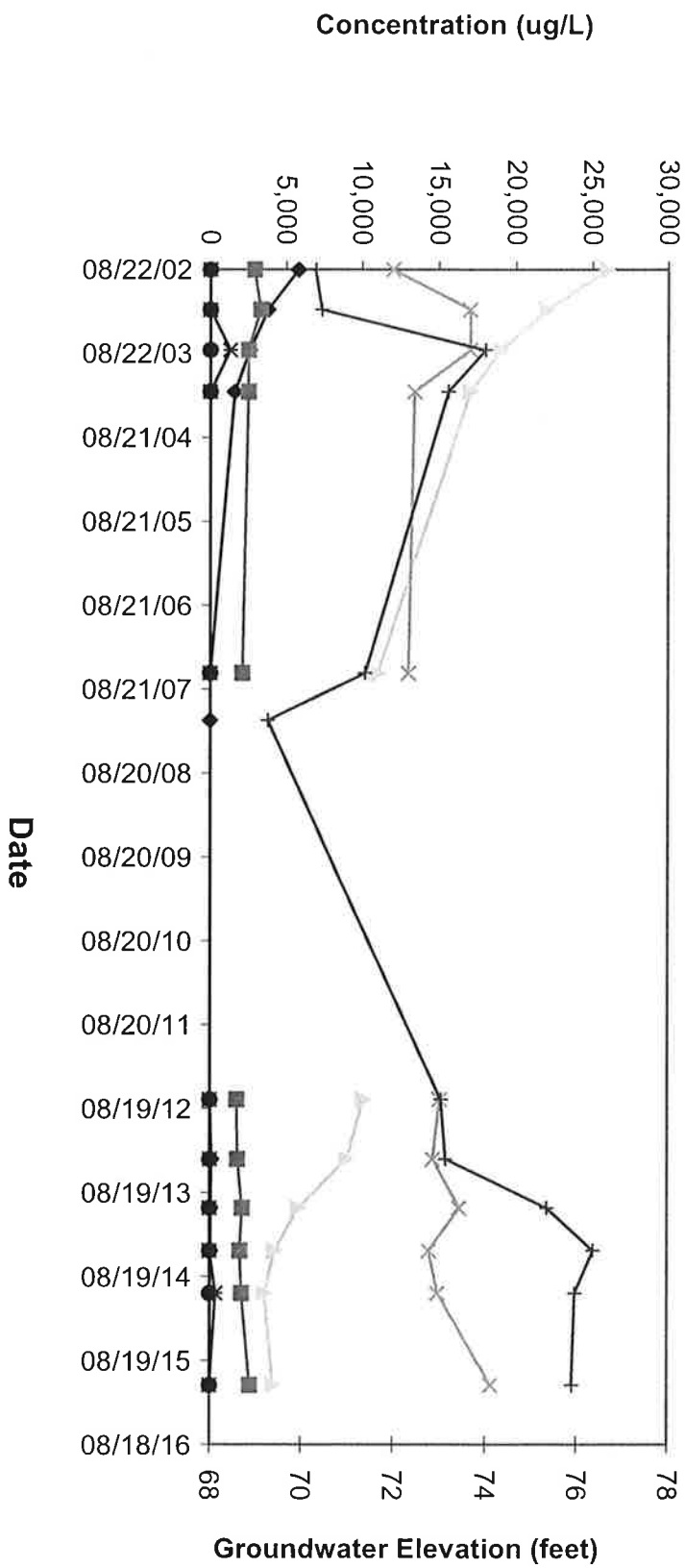
Concentrations and Groundwater Elevations vs. Time (RW-1)



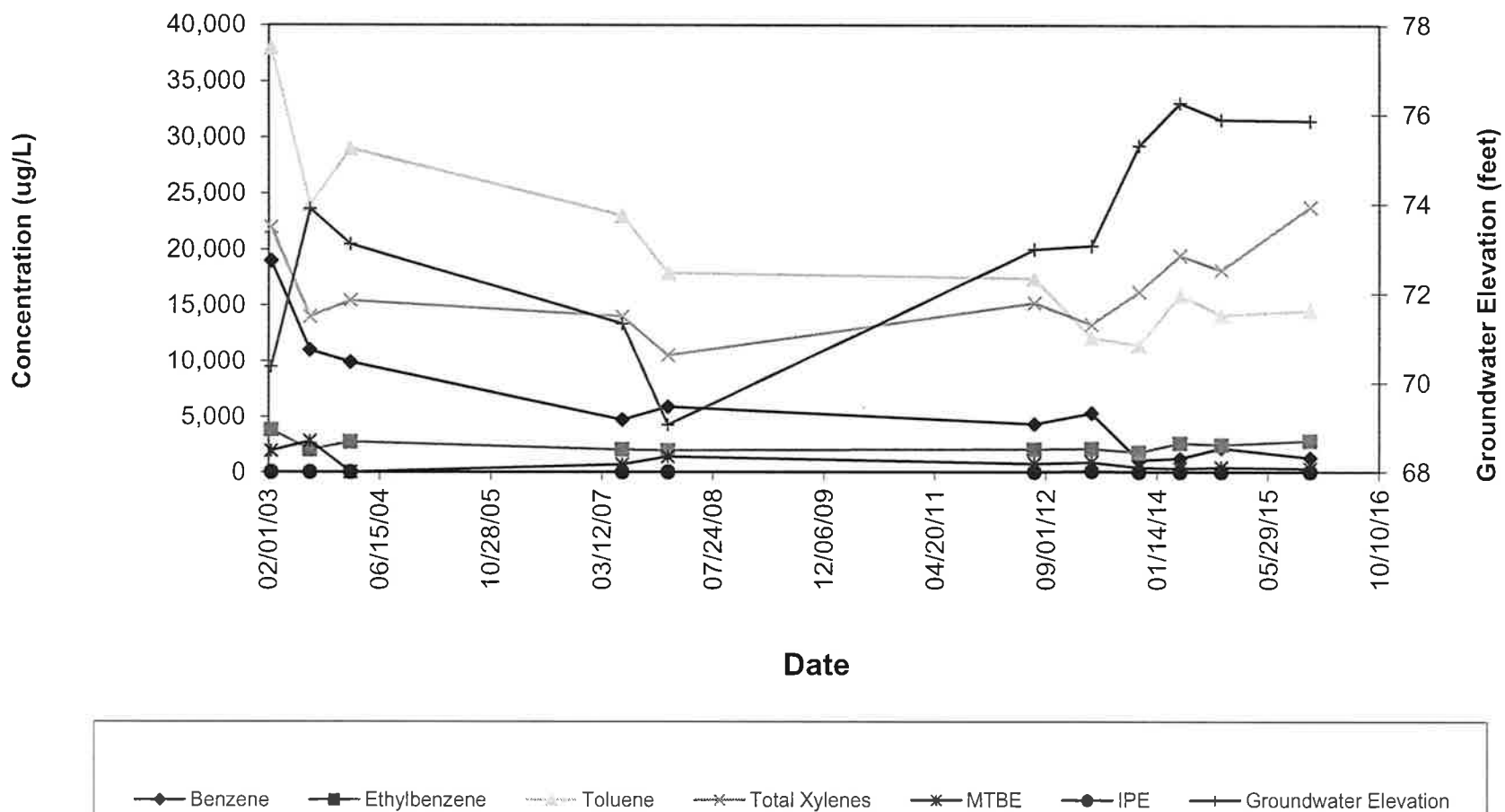
Concentrations and Groundwater Elevations vs. Time (RW-2)



Concentrations and Groundwater Elevations vs. Time (RW-3)



Concentrations and Groundwater Elevations vs. Time (RW-4)



APPENDIX A

December 17, 2015

Ms. Flora D'Souza
Shield Engineering
4301 Taggart Creek Road
Charlotte, NC 28208

RE: Project: Keeter Ford
Pace Project No.: 92278893

Dear Ms. D'Souza:

Enclosed are the analytical results for sample(s) received by the laboratory on December 08, 2015. 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,



Nicole Gasiorowski
nicole.gasiorowski@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

CERTIFICATIONS

Project: Keeter Ford
Pace Project No.: 92278893

Charlotte Certification IDs

9800 Kinney 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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.,

SAMPLE ANALYTE COUNT

Project: Keeter Ford
Pace Project No.: 92278893

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92278893001	DMW-1	SM 6200B	CAH	63	PASI-C
92278893002	MW-10	SM 6200B	CAH	63	PASI-C
92278893003	MW-1A	SM 6200B	CAH	63	PASI-C
92278893004	MW-2	SM 6200B	CAH	63	PASI-C
92278893005	MW-3	SM 6200B	CAH	63	PASI-C
92278893006	MW-6	SM 6200B	CAH	63	PASI-C
92278893007	MW-7	SM 6200B	CAH	63	PASI-C
92278893008	MW-9	SM 6200B	CAH	63	PASI-C
92278893009	RW-1	SM 6200B	CAH	63	PASI-C
92278893010	RW-2	SM 6200B	CAH	63	PASI-C
92278893011	RW-3	SM 6200B	CAH	63	PASI-C
92278893012	RW-4	SM 6200B	CAH	63	PASI-C
92278893013	TRIP BLANK	SM 6200B	CAH	63	PASI-C

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SUMMARY OF DETECTION

Project: Keeter Ford
Pace Project No.: 92278893

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92278893001	DMW-1					
SM 6200B	Benzene	8940	ug/L	25.0	12/10/15 23:28	
SM 6200B	1,2-Dichloroethane	121	ug/L	25.0	12/10/15 23:28	
SM 6200B	Diisopropyl ether	223	ug/L	25.0	12/10/15 23:28	
SM 6200B	Ethylbenzene	317	ug/L	25.0	12/10/15 23:28	
SM 6200B	Methyl-tert-butyl ether	3880	ug/L	25.0	12/10/15 23:28	
SM 6200B	Naphthalene	141	ug/L	100	12/10/15 23:28	
SM 6200B	n-Propylbenzene	46.4	ug/L	25.0	12/10/15 23:28	
SM 6200B	1,2,4-Trimethylbenzene	415	ug/L	25.0	12/10/15 23:28	
SM 6200B	m&p-Xylene	1110	ug/L	50.0	12/10/15 23:28	
SM 6200B	o-Xylene	298	ug/L	25.0	12/10/15 23:28	
92278893002	MW-10					
SM 6200B	Benzene	485	ug/L	25.0	12/11/15 05:51	
SM 6200B	Ethylbenzene	1120	ug/L	25.0	12/11/15 05:51	
SM 6200B	Isopropylbenzene (Cumene)	57.8	ug/L	25.0	12/11/15 05:51	
SM 6200B	Methyl-tert-butyl ether	298	ug/L	25.0	12/11/15 05:51	
SM 6200B	Naphthalene	1410	ug/L	100	12/11/15 05:51	
SM 6200B	n-Propylbenzene	159	ug/L	25.0	12/11/15 05:51	
SM 6200B	Toluene	1960	ug/L	25.0	12/11/15 05:51	
SM 6200B	1,2,4-Trimethylbenzene	3860	ug/L	25.0	12/11/15 05:51	
SM 6200B	1,3,5-Trimethylbenzene	1100	ug/L	25.0	12/11/15 05:51	
SM 6200B	m&p-Xylene	11500	ug/L	50.0	12/11/15 05:51	
SM 6200B	o-Xylene	7170	ug/L	25.0	12/11/15 05:51	
92278893003	MW-1A					
SM 6200B	Benzene	18.2	ug/L	10.0	12/11/15 06:08	
SM 6200B	1,2-Dichloroethane	19.5	ug/L	10.0	12/11/15 06:08	
SM 6200B	Diisopropyl ether	25.0	ug/L	10.0	12/11/15 06:08	
SM 6200B	Methyl-tert-butyl ether	1660	ug/L	10.0	12/11/15 06:08	
SM 6200B	1,2,4-Trimethylbenzene	15.0	ug/L	10.0	12/11/15 06:08	
SM 6200B	1,3,5-Trimethylbenzene	10.1	ug/L	10.0	12/11/15 06:08	
SM 6200B	m&p-Xylene	27.4	ug/L	20.0	12/11/15 06:08	
SM 6200B	o-Xylene	13.3	ug/L	10.0	12/11/15 06:08	
92278893004	MW-2					
SM 6200B	Ethylbenzene	10.9	ug/L	0.50	12/11/15 03:05	
SM 6200B	Isopropylbenzene (Cumene)	1.0	ug/L	0.50	12/11/15 03:05	
SM 6200B	Naphthalene	4.4	ug/L	2.0	12/11/15 03:05	
SM 6200B	n-Propylbenzene	2.7	ug/L	0.50	12/11/15 03:05	
SM 6200B	Toluene	1.2	ug/L	0.50	12/11/15 03:05	
SM 6200B	1,2,4-Trimethylbenzene	21.4	ug/L	0.50	12/11/15 03:05	
SM 6200B	1,3,5-Trimethylbenzene	25.2	ug/L	0.50	12/11/15 03:05	
SM 6200B	m&p-Xylene	18.8	ug/L	1.0	12/11/15 03:05	
SM 6200B	o-Xylene	14.3	ug/L	0.50	12/11/15 03:05	
92278893005	MW-3					
SM 6200B	Benzene	6.5	ug/L	0.50	12/16/15 23:09	
SM 6200B	Ethylbenzene	98.4	ug/L	0.50	12/16/15 23:09	
SM 6200B	Isopropylbenzene (Cumene)	5.8	ug/L	0.50	12/16/15 23:09	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.,

SUMMARY OF DETECTION

Project: Keeter Ford
Pace Project No.: 92278893

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92278893005	MW-3					
SM 6200B	Methyl-tert-butyl ether	3.1	ug/L	0.50	12/16/15 23:09	
SM 6200B	Naphthalene	43.3	ug/L	2.0	12/16/15 23:09	
SM 6200B	n-Propylbenzene	13.7	ug/L	0.50	12/16/15 23:09	
SM 6200B	Toluene	159	ug/L	0.50	12/16/15 23:09	
SM 6200B	1,2,4-Trimethylbenzene	139	ug/L	0.50	12/16/15 23:09	
SM 6200B	m&p-Xylene	315	ug/L	1.0	12/16/15 23:09	
SM 6200B	o-Xylene	185	ug/L	0.50	12/16/15 23:09	
92278893006	MW-6					
SM 6200B	Chloroform	1.9	ug/L	0.50	12/11/15 03:21	
92278893009	RW-1					
SM 6200B	Benzene	4740	ug/L	50.0	12/11/15 06:24	
SM 6200B	1,2-Dichloroethane	117	ug/L	50.0	12/11/15 06:24	
SM 6200B	Diisopropyl ether	198	ug/L	50.0	12/11/15 06:24	
SM 6200B	Ethylbenzene	392	ug/L	50.0	12/11/15 06:24	
SM 6200B	Methyl-tert-butyl ether	9770	ug/L	50.0	12/11/15 06:24	
SM 6200B	n-Propylbenzene	52.0	ug/L	50.0	12/11/15 06:24	
SM 6200B	1,2,4-Trimethylbenzene	468	ug/L	50.0	12/11/15 06:24	
SM 6200B	1,3,5-Trimethylbenzene	76.7	ug/L	50.0	12/11/15 06:24	
SM 6200B	m&p-Xylene	1590	ug/L	100	12/11/15 06:24	
SM 6200B	o-Xylene	376	ug/L	50.0	12/11/15 06:24	
92278893010	RW-2					
SM 6200B	Benzene	466	ug/L	50.0	12/11/15 06:41	
SM 6200B	Ethylbenzene	2180	ug/L	50.0	12/11/15 06:41	
SM 6200B	Isopropylbenzene (Cumene)	94.1	ug/L	50.0	12/11/15 06:41	
SM 6200B	Methyl-tert-butyl ether	206	ug/L	50.0	12/11/15 06:41	
SM 6200B	Naphthalene	620	ug/L	200	12/11/15 06:41	
SM 6200B	n-Propylbenzene	277	ug/L	50.0	12/11/15 06:41	
SM 6200B	Toluene	10800	ug/L	50.0	12/11/15 06:41	
SM 6200B	1,2,4-Trimethylbenzene	2820	ug/L	50.0	12/11/15 06:41	
SM 6200B	1,3,5-Trimethylbenzene	911	ug/L	50.0	12/11/15 06:41	
SM 6200B	m&p-Xylene	11100	ug/L	100	12/11/15 06:41	
SM 6200B	o-Xylene	5650	ug/L	50.0	12/11/15 06:41	
92278893011	RW-3					
SM 6200B	Benzene	25.7	ug/L	25.0	12/11/15 06:58	
SM 6200B	Ethylbenzene	2640	ug/L	25.0	12/11/15 06:58	
SM 6200B	Isopropylbenzene (Cumene)	114	ug/L	25.0	12/11/15 06:58	
SM 6200B	Naphthalene	1140	ug/L	100	12/11/15 06:58	
SM 6200B	n-Propylbenzene	324	ug/L	25.0	12/11/15 06:58	
SM 6200B	Styrene	63.2	ug/L	25.0	12/11/15 06:58	
SM 6200B	Toluene	4190	ug/L	25.0	12/11/15 06:58	
SM 6200B	1,2,4-Trimethylbenzene	3650	ug/L	25.0	12/11/15 06:58	
SM 6200B	1,3,5-Trimethylbenzene	935	ug/L	25.0	12/11/15 06:58	
SM 6200B	m&p-Xylene	12200	ug/L	50.0	12/11/15 06:58	
SM 6200B	o-Xylene	6170	ug/L	25.0	12/11/15 06:58	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SUMMARY OF DETECTION

Project: Keeter Ford
Pace Project No.: 92278893

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92278893012	RW-4					
SM 6200B	Benzene	1240	ug/L	50.0	12/11/15 07:14	
SM 6200B	Ethylbenzene	2770	ug/L	50.0	12/11/15 07:14	
SM 6200B	Isopropylbenzene (Cumene)	115	ug/L	50.0	12/11/15 07:14	
SM 6200B	Methyl-tert-butyl ether	286	ug/L	50.0	12/11/15 07:14	
SM 6200B	Naphthalene	1260	ug/L	200	12/11/15 07:14	
SM 6200B	n-Propylbenzene	338	ug/L	50.0	12/11/15 07:14	
SM 6200B	Styrene	51.4	ug/L	50.0	12/11/15 07:14	
SM 6200B	Toluene	14500	ug/L	50.0	12/11/15 07:14	
SM 6200B	1,2,4-Trimethylbenzene	3660	ug/L	50.0	12/11/15 07:14	
SM 6200B	1,3,5-Trimethylbenzene	903	ug/L	50.0	12/11/15 07:14	
SM 6200B	m&p-Xylene	15700	ug/L	100	12/11/15 07:14	
SM 6200B	o-Xylene	8050	ug/L	50.0	12/11/15 07:14	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

PROJECT NARRATIVE

Project: Keeter Ford
Pace Project No.: 92278893

Method: SM 6200B
Description: 6200B MSV
Client: Shield
Date: December 17, 2015

General Information:

13 samples were analyzed for SM 6200B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.;

ANALYTICAL RESULTS

Project: Keeter Ford

Pace Project No.: 92278893

Sample: DMW-1		Lab ID: 92278893001		Collected: 12/04/15 15:10		Received: 12/08/15 13:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6200B MSV		Analytical Method: SM 6200B							
Benzene	8940	ug/L	25.0	50		12/10/15 23:28	71-43-2		
Bromobenzene	ND	ug/L	25.0	50		12/10/15 23:28	108-86-1		
Bromochloromethane	ND	ug/L	25.0	50		12/10/15 23:28	74-97-5		
Bromodichloromethane	ND	ug/L	25.0	50		12/10/15 23:28	75-27-4		
Bromoform	ND	ug/L	25.0	50		12/10/15 23:28	75-25-2		
Bromomethane	ND	ug/L	250	50		12/10/15 23:28	74-83-9		
n-Butylbenzene	ND	ug/L	25.0	50		12/10/15 23:28	104-51-8		
sec-Butylbenzene	ND	ug/L	25.0	50		12/10/15 23:28	135-98-8		
tert-Butylbenzene	ND	ug/L	25.0	50		12/10/15 23:28	98-06-6		
Carbon tetrachloride	ND	ug/L	25.0	50		12/10/15 23:28	56-23-5		
Chlorobenzene	ND	ug/L	25.0	50		12/10/15 23:28	108-90-7		
Chloroethane	ND	ug/L	50.0	50		12/10/15 23:28	75-00-3		
Chloroform	ND	ug/L	25.0	50		12/10/15 23:28	67-66-3		
Chloromethane	ND	ug/L	50.0	50		12/10/15 23:28	74-87-3		
2-Chlorotoluene	ND	ug/L	25.0	50		12/10/15 23:28	95-49-8		
4-Chlorotoluene	ND	ug/L	25.0	50		12/10/15 23:28	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	50.0	50		12/10/15 23:28	96-12-8		
Dibromochloromethane	ND	ug/L	25.0	50		12/10/15 23:28	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	25.0	50		12/10/15 23:28	106-93-4		
Dibromomethane	ND	ug/L	25.0	50		12/10/15 23:28	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	25.0	50		12/10/15 23:28	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	25.0	50		12/10/15 23:28	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	25.0	50		12/10/15 23:28	106-46-7		
Dichlorodifluoromethane	ND	ug/L	25.0	50		12/10/15 23:28	75-71-8		
1,1-Dichloroethane	ND	ug/L	25.0	50		12/10/15 23:28	75-34-3		
1,2-Dichloroethane	121	ug/L	25.0	50		12/10/15 23:28	107-06-2		
1,1-Dichloroethene	ND	ug/L	25.0	50		12/10/15 23:28	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	25.0	50		12/10/15 23:28	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	25.0	50		12/10/15 23:28	156-60-5		
1,2-Dichloropropane	ND	ug/L	25.0	50		12/10/15 23:28	78-87-5		
1,3-Dichloropropane	ND	ug/L	25.0	50		12/10/15 23:28	142-28-9		
2,2-Dichloropropane	ND	ug/L	25.0	50		12/10/15 23:28	594-20-7		
1,1-Dichloropropene	ND	ug/L	25.0	50		12/10/15 23:28	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	25.0	50		12/10/15 23:28	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	25.0	50		12/10/15 23:28	10061-02-6		
Diisopropyl ether	223	ug/L	25.0	50		12/10/15 23:28	108-20-3		
Ethylbenzene	317	ug/L	25.0	50		12/10/15 23:28	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	100	50		12/10/15 23:28	87-68-3		
Isopropylbenzene (Cumene)	ND	ug/L	25.0	50		12/10/15 23:28	98-82-8		
Methylene Chloride	ND	ug/L	100	50		12/10/15 23:28	75-09-2		
Methyl-tert-butyl ether	3880	ug/L	25.0	50		12/10/15 23:28	1634-04-4		
Naphthalene	141	ug/L	100	50		12/10/15 23:28	91-20-3		
n-Propylbenzene	46.4	ug/L	25.0	50		12/10/15 23:28	103-65-1		
Styrene	ND	ug/L	25.0	50		12/10/15 23:28	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	25.0	50		12/10/15 23:28	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	25.0	50		12/10/15 23:28	79-34-5		
Tetrachloroethene	ND	ug/L	25.0	50		12/10/15 23:28	127-18-4		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: Keeter Ford

Pace Project No.: 92278893

Sample: DMW-1		Lab ID: 92278893001	Collected: 12/04/15 15:10		Received: 12/08/15 13:35	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Toluene	ND	ug/L	25.0	50		12/10/15 23:28	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	100	50		12/10/15 23:28	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	100	50		12/10/15 23:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	25.0	50		12/10/15 23:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	25.0	50		12/10/15 23:28	79-00-5	
Trichloroethene	ND	ug/L	25.0	50		12/10/15 23:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	50		12/10/15 23:28	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	25.0	50		12/10/15 23:28	96-18-4	
1,2,4-Trimethylbenzene	415	ug/L	25.0	50		12/10/15 23:28	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	25.0	50		12/10/15 23:28	108-67-8	
Vinyl chloride	ND	ug/L	50.0	50		12/10/15 23:28	75-01-4	
m&p-Xylene	1110	ug/L	50.0	50		12/10/15 23:28	179601-23-1	
o-Xylene	298	ug/L	25.0	50		12/10/15 23:28	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	102	%	70-130	50		12/10/15 23:28	17060-07-0	
4-Bromofluorobenzene (S)	101	%	70-130	50		12/10/15 23:28	460-00-4	
Toluene-d8 (S)	101	%	70-130	50		12/10/15 23:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

ANALYTICAL RESULTS

Project: Keeter Ford

Pace Project No.: 92278893

Sample: MW-10		Lab ID: 92278893002		Collected: 12/04/15 15:00		Received: 12/08/15 13:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6200B MSV		Analytical Method: SM 6200B							
Benzene	485	ug/L	25.0	50		12/11/15 05:51	71-43-2		
Bromobenzene	ND	ug/L	25.0	50		12/11/15 05:51	108-86-1		
Bromochloromethane	ND	ug/L	25.0	50		12/11/15 05:51	74-97-5		
Bromodichloromethane	ND	ug/L	25.0	50		12/11/15 05:51	75-27-4		
Bromoform	ND	ug/L	25.0	50		12/11/15 05:51	75-25-2		
Bromomethane	ND	ug/L	250	50		12/11/15 05:51	74-83-9		
n-Butylbenzene	ND	ug/L	25.0	50		12/11/15 05:51	104-51-8		
sec-Butylbenzene	ND	ug/L	25.0	50		12/11/15 05:51	135-98-8		
tert-Butylbenzene	ND	ug/L	25.0	50		12/11/15 05:51	98-06-6		
Carbon tetrachloride	ND	ug/L	25.0	50		12/11/15 05:51	56-23-5		
Chlorobenzene	ND	ug/L	25.0	50		12/11/15 05:51	108-90-7		
Chloroethane	ND	ug/L	50.0	50		12/11/15 05:51	75-00-3		
Chloroform	ND	ug/L	25.0	50		12/11/15 05:51	67-66-3		
Chloromethane	ND	ug/L	50.0	50		12/11/15 05:51	74-87-3		
2-Chlorotoluene	ND	ug/L	25.0	50		12/11/15 05:51	95-49-8		
4-Chlorotoluene	ND	ug/L	25.0	50		12/11/15 05:51	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	50.0	50		12/11/15 05:51	96-12-8		
Dibromochloromethane	ND	ug/L	25.0	50		12/11/15 05:51	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	25.0	50		12/11/15 05:51	106-93-4		
Dibromomethane	ND	ug/L	25.0	50		12/11/15 05:51	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	25.0	50		12/11/15 05:51	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	25.0	50		12/11/15 05:51	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	25.0	50		12/11/15 05:51	106-46-7		
Dichlorodifluoromethane	ND	ug/L	25.0	50		12/11/15 05:51	75-71-8		
1,1-Dichloroethane	ND	ug/L	25.0	50		12/11/15 05:51	75-34-3		
1,2-Dichloroethane	ND	ug/L	25.0	50		12/11/15 05:51	107-06-2		
1,1-Dichloroethene	ND	ug/L	25.0	50		12/11/15 05:51	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	25.0	50		12/11/15 05:51	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	25.0	50		12/11/15 05:51	156-60-5		
1,2-Dichloropropane	ND	ug/L	25.0	50		12/11/15 05:51	78-87-5		
1,3-Dichloropropane	ND	ug/L	25.0	50		12/11/15 05:51	142-28-9		
2,2-Dichloropropane	ND	ug/L	25.0	50		12/11/15 05:51	594-20-7		
1,1-Dichloropropene	ND	ug/L	25.0	50		12/11/15 05:51	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	25.0	50		12/11/15 05:51	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	25.0	50		12/11/15 05:51	10061-02-6		
Diisopropyl ether	ND	ug/L	25.0	50		12/11/15 05:51	108-20-3		
Ethylbenzene	1120	ug/L	25.0	50		12/11/15 05:51	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	100	50		12/11/15 05:51	87-68-3		
Isopropylbenzene (Cumene)	57.8	ug/L	25.0	50		12/11/15 05:51	98-82-8		
Methylene Chloride	ND	ug/L	100	50		12/11/15 05:51	75-09-2		
Methyl-tert-butyl ether	298	ug/L	25.0	50		12/11/15 05:51	1634-04-4		
Napthalene	1410	ug/L	100	50		12/11/15 05:51	91-20-3		
n-Propylbenzene	159	ug/L	25.0	50		12/11/15 05:51	103-65-1		
Styrene	ND	ug/L	25.0	50		12/11/15 05:51	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	25.0	50		12/11/15 05:51	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	25.0	50		12/11/15 05:51	79-34-5		
Tetrachloroethene	ND	ug/L	25.0	50		12/11/15 05:51	127-18-4		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

ANALYTICAL RESULTS

Project: Keeter Ford

Pace Project No.: 92278893

Sample: MW-10		Lab ID: 92278893002		Collected: 12/04/15 15:00		Received: 12/08/15 13:35		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B							
Toluene	1960	ug/L	25.0	50			12/11/15 05:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	100	50			12/11/15 05:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	100	50			12/11/15 05:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	25.0	50			12/11/15 05:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	25.0	50			12/11/15 05:51	79-00-5	
Trichloroethene	ND	ug/L	25.0	50			12/11/15 05:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	50			12/11/15 05:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	25.0	50			12/11/15 05:51	96-18-4	
1,2,4-Trimethylbenzene	3860	ug/L	25.0	50			12/11/15 05:51	95-63-6	
1,3,5-Trimethylbenzene	1100	ug/L	25.0	50			12/11/15 05:51	108-67-8	
Vinyl chloride	ND	ug/L	50.0	50			12/11/15 05:51	75-01-4	
m&p-Xylene	11500	ug/L	50.0	50			12/11/15 05:51	179601-23-1	
o-Xylene	7170	ug/L	25.0	50			12/11/15 05:51	95-47-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	100	%	70-130	50			12/11/15 05:51	17060-07-0	
4-Bromofluorobenzene (S)	101	%	70-130	50			12/11/15 05:51	460-00-4	
Toluene-d8 (S)	100	%	70-130	50			12/11/15 05:51	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: Keeter Ford
Pace Project No.: 92278893

Sample: MW-1A		Lab ID: 92278893003	Collected: 12/04/15 14:35	Received: 12/08/15 13:35	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Benzene	18.2	ug/L	10.0	20		12/11/15 06:08	71-43-2	
Bromobenzene	ND	ug/L	10.0	20		12/11/15 06:08	108-86-1	
Bromochloromethane	ND	ug/L	10.0	20		12/11/15 06:08	74-97-5	
Bromodichloromethane	ND	ug/L	10.0	20		12/11/15 06:08	75-27-4	
Bromoform	ND	ug/L	10.0	20		12/11/15 06:08	75-25-2	
Bromomethane	ND	ug/L	100	20		12/11/15 06:08	74-83-9	
n-Butylbenzene	ND	ug/L	10.0	20		12/11/15 06:08	104-51-8	
sec-Butylbenzene	ND	ug/L	10.0	20		12/11/15 06:08	135-98-8	
tert-Butylbenzene	ND	ug/L	10.0	20		12/11/15 06:08	98-06-6	
Carbon tetrachloride	ND	ug/L	10.0	20		12/11/15 06:08	56-23-5	
Chlorobenzene	ND	ug/L	10.0	20		12/11/15 06:08	108-90-7	
Chloroethane	ND	ug/L	20.0	20		12/11/15 06:08	75-00-3	
Chloroform	ND	ug/L	10.0	20		12/11/15 06:08	67-66-3	
Chloromethane	ND	ug/L	20.0	20		12/11/15 06:08	74-87-3	
2-Chlorotoluene	ND	ug/L	10.0	20		12/11/15 06:08	95-49-8	
4-Chlorotoluene	ND	ug/L	10.0	20		12/11/15 06:08	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	20.0	20		12/11/15 06:08	96-12-8	
Dibromochloromethane	ND	ug/L	10.0	20		12/11/15 06:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	10.0	20		12/11/15 06:08	106-93-4	
Dibromomethane	ND	ug/L	10.0	20		12/11/15 06:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	10.0	20		12/11/15 06:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	20		12/11/15 06:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	20		12/11/15 06:08	106-46-7	
Dichlorodifluoromethane	ND	ug/L	10.0	20		12/11/15 06:08	75-71-8	
1,1-Dichloroethane	ND	ug/L	10.0	20		12/11/15 06:08	75-34-3	
1,2-Dichloroethane	19.5	ug/L	10.0	20		12/11/15 06:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	10.0	20		12/11/15 06:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	10.0	20		12/11/15 06:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	10.0	20		12/11/15 06:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	10.0	20		12/11/15 06:08	78-87-5	
1,3-Dichloropropane	ND	ug/L	10.0	20		12/11/15 06:08	142-28-9	
2,2-Dichloropropane	ND	ug/L	10.0	20		12/11/15 06:08	594-20-7	
1,1-Dichloropropene	ND	ug/L	10.0	20		12/11/15 06:08	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	10.0	20		12/11/15 06:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	10.0	20		12/11/15 06:08	10061-02-6	
Diisopropyl ether	25.0	ug/L	10.0	20		12/11/15 06:08	108-20-3	
Ethylbenzene	ND	ug/L	10.0	20		12/11/15 06:08	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	40.0	20		12/11/15 06:08	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	10.0	20		12/11/15 06:08	98-82-8	
Methylene Chloride	ND	ug/L	40.0	20		12/11/15 06:08	75-09-2	
Methyl-tert-butyl ether	1660	ug/L	10.0	20		12/11/15 06:08	1634-04-4	
Naphthalene	ND	ug/L	40.0	20		12/11/15 06:08	91-20-3	
n-Propylbenzene	ND	ug/L	10.0	20		12/11/15 06:08	103-65-1	
Styrene	ND	ug/L	10.0	20		12/11/15 06:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	10.0	20		12/11/15 06:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	10.0	20		12/11/15 06:08	79-34-5	
Tetrachloroethene	ND	ug/L	10.0	20		12/11/15 06:08	127-18-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: Keeter Ford
Pace Project No.: 92278893

Sample: MW-1A		Lab ID: 92278893003	Collected: 12/04/15 14:35	Received: 12/08/15 13:35	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Toluene	ND	ug/L	10.0	20		12/11/15 06:08	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	40.0	20		12/11/15 06:08	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	40.0	20		12/11/15 06:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	10.0	20		12/11/15 06:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	10.0	20		12/11/15 06:08	79-00-5	
Trichloroethene	ND	ug/L	10.0	20		12/11/15 06:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	20.0	20		12/11/15 06:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	10.0	20		12/11/15 06:08	96-18-4	
1,2,4-Trimethylbenzene	15.0	ug/L	10.0	20		12/11/15 06:08	95-63-6	
1,3,5-Trimethylbenzene	10.1	ug/L	10.0	20		12/11/15 06:08	108-67-8	
Vinyl chloride	ND	ug/L	20.0	20		12/11/15 06:08	75-01-4	
m&p-Xylene	27.4	ug/L	20.0	20		12/11/15 06:08	179601-23-1	
o-Xylene	13.3	ug/L	10.0	20		12/11/15 06:08	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	103	%	70-130	20		12/11/15 06:08	17060-07-0	
4-Bromofluorobenzene (S)	100	%	70-130	20		12/11/15 06:08	460-00-4	
Toluene-d8 (S)	100	%	70-130	20		12/11/15 06:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

ANALYTICAL RESULTS

Project: Keeter Ford

Pace Project No.: 92278893

Sample: MW-2		Lab ID: 92278893004		Collected: 12/04/15 14:40		Received: 12/08/15 13:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6200B MSV		Analytical Method: SM 6200B							
Benzene	ND	ug/L	0.50	1		12/11/15 03:05	71-43-2		
Bromobenzene	ND	ug/L	0.50	1		12/11/15 03:05	108-86-1		
Bromochloromethane	ND	ug/L	0.50	1		12/11/15 03:05	74-97-5		
Bromodichloromethane	ND	ug/L	0.50	1		12/11/15 03:05	75-27-4		
Bromoform	ND	ug/L	0.50	1		12/11/15 03:05	75-25-2		
Bromomethane	ND	ug/L	5.0	1		12/11/15 03:05	74-83-9		
n-Butylbenzene	ND	ug/L	0.50	1		12/11/15 03:05	104-51-8		
sec-Butylbenzene	ND	ug/L	0.50	1		12/11/15 03:05	135-98-8		
tert-Butylbenzene	ND	ug/L	0.50	1		12/11/15 03:05	98-06-6		
Carbon tetrachloride	ND	ug/L	0.50	1		12/11/15 03:05	56-23-5		
Chlorobenzene	ND	ug/L	0.50	1		12/11/15 03:05	108-90-7		
Chloroethane	ND	ug/L	1.0	1		12/11/15 03:05	75-00-3		
Chloroform	ND	ug/L	0.50	1		12/11/15 03:05	67-66-3		
Chloromethane	ND	ug/L	1.0	1		12/11/15 03:05	74-87-3		
2-Chlorotoluene	ND	ug/L	0.50	1		12/11/15 03:05	95-49-8		
4-Chlorotoluene	ND	ug/L	0.50	1		12/11/15 03:05	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		12/11/15 03:05	96-12-8		
Dibromochloromethane	ND	ug/L	0.50	1		12/11/15 03:05	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		12/11/15 03:05	106-93-4		
Dibromomethane	ND	ug/L	0.50	1		12/11/15 03:05	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	0.50	1		12/11/15 03:05	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	0.50	1		12/11/15 03:05	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	0.50	1		12/11/15 03:05	106-46-7		
Dichlorodifluoromethane	ND	ug/L	0.50	1		12/11/15 03:05	75-71-8		
1,1-Dichloroethane	ND	ug/L	0.50	1		12/11/15 03:05	75-34-3		
1,2-Dichloroethane	ND	ug/L	0.50	1		12/11/15 03:05	107-06-2		
1,1-Dichloroethene	ND	ug/L	0.50	1		12/11/15 03:05	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		12/11/15 03:05	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		12/11/15 03:05	156-60-5		
1,2-Dichloropropane	ND	ug/L	0.50	1		12/11/15 03:05	78-87-5		
1,3-Dichloropropane	ND	ug/L	0.50	1		12/11/15 03:05	142-28-9		
2,2-Dichloropropane	ND	ug/L	0.50	1		12/11/15 03:05	594-20-7		
1,1-Dichloropropene	ND	ug/L	0.50	1		12/11/15 03:05	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		12/11/15 03:05	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		12/11/15 03:05	10061-02-6		
Diisopropyl ether	ND	ug/L	0.50	1		12/11/15 03:05	108-20-3		
Ethylbenzene	10.9	ug/L	0.50	1		12/11/15 03:05	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		12/11/15 03:05	87-68-3		
Isopropylbenzene (Cumene)	1.0	ug/L	0.50	1		12/11/15 03:05	98-82-8		
Methylene Chloride	ND	ug/L	2.0	1		12/11/15 03:05	75-09-2		
Methyl-tert-butyl ether	ND	ug/L	0.50	1		12/11/15 03:05	1634-04-4		
Naphthalene	4.4	ug/L	2.0	1		12/11/15 03:05	91-20-3		
n-Propylbenzene	2.7	ug/L	0.50	1		12/11/15 03:05	103-65-1		
Styrene	ND	ug/L	0.50	1		12/11/15 03:05	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		12/11/15 03:05	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		12/11/15 03:05	79-34-5		
Tetrachloroethene	ND	ug/L	0.50	1		12/11/15 03:05	127-18-4		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.,

ANALYTICAL RESULTS

Project: Keeter Ford
Pace Project No.: 92278893

Sample: MW-2		Lab ID: 92278893004	Collected: 12/04/15 14:40	Received: 12/08/15 13:35	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Toluene	1.2	ug/L	0.50	1		12/11/15 03:05	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		12/11/15 03:05	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		12/11/15 03:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		12/11/15 03:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		12/11/15 03:05	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		12/11/15 03:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/11/15 03:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		12/11/15 03:05	96-18-4	
1,2,4-Trimethylbenzene	21.4	ug/L	0.50	1		12/11/15 03:05	95-63-6	
1,3,5-Trimethylbenzene	25.2	ug/L	0.50	1		12/11/15 03:05	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		12/11/15 03:05	75-01-4	
m&p-Xylene	18.8	ug/L	1.0	1		12/11/15 03:05	179601-23-1	
o-Xylene	14.3	ug/L	0.50	1		12/11/15 03:05	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%	70-130	1		12/11/15 03:05	17060-07-0	
4-Bromofluorobenzene (S)	100	%	70-130	1		12/11/15 03:05	460-00-4	
Toluene-d8 (S)	101	%	70-130	1		12/11/15 03:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.,

ANALYTICAL RESULTS

Project: Keeter Ford

Pace Project No.: 92278893

Sample: MW-3		Lab ID: 92278893005	Collected: 12/04/15 14:45	Received: 12/08/15 13:35	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Benzene	6.5	ug/L	0.50	1		12/16/15 23:09	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		12/16/15 23:09	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		12/16/15 23:09	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		12/16/15 23:09	75-27-4	
Bromoform	ND	ug/L	0.50	1		12/16/15 23:09	75-25-2	
Bromomethane	ND	ug/L	5.0	1		12/16/15 23:09	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		12/16/15 23:09	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		12/16/15 23:09	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		12/16/15 23:09	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		12/16/15 23:09	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		12/16/15 23:09	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/16/15 23:09	75-00-3	
Chloroform	ND	ug/L	0.50	1		12/16/15 23:09	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/16/15 23:09	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		12/16/15 23:09	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		12/16/15 23:09	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		12/16/15 23:09	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		12/16/15 23:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		12/16/15 23:09	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		12/16/15 23:09	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		12/16/15 23:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		12/16/15 23:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		12/16/15 23:09	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		12/16/15 23:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		12/16/15 23:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		12/16/15 23:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		12/16/15 23:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		12/16/15 23:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		12/16/15 23:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		12/16/15 23:09	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		12/16/15 23:09	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		12/16/15 23:09	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		12/16/15 23:09	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		12/16/15 23:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		12/16/15 23:09	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	1		12/16/15 23:09	108-20-3	
Ethylbenzene	98.4	ug/L	0.50	1		12/16/15 23:09	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		12/16/15 23:09	87-68-3	
Isopropylbenzene (Cumene)	5.8	ug/L	0.50	1		12/16/15 23:09	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		12/16/15 23:09	75-09-2	
Methyl-tert-butyl ether	3.1	ug/L	0.50	1		12/16/15 23:09	1634-04-4	
Naphthalene	43.3	ug/L	2.0	1		12/16/15 23:09	91-20-3	
n-Propylbenzene	13.7	ug/L	0.50	1		12/16/15 23:09	103-65-1	
Styrene	ND	ug/L	0.50	1		12/16/15 23:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		12/16/15 23:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		12/16/15 23:09	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		12/16/15 23:09	127-18-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

ANALYTICAL RESULTS

Project: Keeter Ford
Pace Project No.: 92278893

Sample: MW-3		Lab ID: 92278893005		Collected: 12/04/15 14:45		Received: 12/08/15 13:35		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B							
Toluene	159	ug/L	0.50	1			12/16/15 23:09	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1			12/16/15 23:09	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1			12/16/15 23:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1			12/16/15 23:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1			12/16/15 23:09	79-00-5	
Trichloroethene	ND	ug/L	0.50	1			12/16/15 23:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1			12/16/15 23:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1			12/16/15 23:09	96-18-4	
1,2,4-Trimethylbenzene	139	ug/L	0.50	1			12/16/15 23:09	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1			12/16/15 23:09	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1			12/16/15 23:09	75-01-4	
m&p-Xylene	315	ug/L	1.0	1			12/16/15 23:09	179601-23-1	
o-Xylene	185	ug/L	0.50	1			12/16/15 23:09	95-47-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	98	%	70-130	1			12/16/15 23:09	17060-07-0	
4-Bromofluorobenzene (S)	105	%	70-130	1			12/16/15 23:09	460-00-4	
Toluene-d8 (S)	102	%	70-130	1			12/16/15 23:09	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

ANALYTICAL RESULTS

Project: Keeter Ford
Pace Project No.: 92278893

Sample: MW-6		Lab ID: 92278893006		Collected: 12/04/15 14:50		Received: 12/08/15 13:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6200B MSV		Analytical Method: SM 6200B							
Benzene	ND	ug/L	0.50	1		12/11/15 03:21	71-43-2		
Bromobenzene	ND	ug/L	0.50	1		12/11/15 03:21	108-86-1		
Bromochloromethane	ND	ug/L	0.50	1		12/11/15 03:21	74-97-5		
Bromodichloromethane	ND	ug/L	0.50	1		12/11/15 03:21	75-27-4		
Bromoform	ND	ug/L	0.50	1		12/11/15 03:21	75-25-2		
Bromomethane	ND	ug/L	5.0	1		12/11/15 03:21	74-83-9		
n-Butylbenzene	ND	ug/L	0.50	1		12/11/15 03:21	104-51-8		
sec-Butylbenzene	ND	ug/L	0.50	1		12/11/15 03:21	135-98-8		
tert-Butylbenzene	ND	ug/L	0.50	1		12/11/15 03:21	98-06-6		
Carbon tetrachloride	ND	ug/L	0.50	1		12/11/15 03:21	56-23-5		
Chlorobenzene	ND	ug/L	0.50	1		12/11/15 03:21	108-90-7		
Chloroethane	ND	ug/L	1.0	1		12/11/15 03:21	75-00-3		
Chloroform	1.9	ug/L	0.50	1		12/11/15 03:21	67-66-3		
Chloromethane	ND	ug/L	1.0	1		12/11/15 03:21	74-87-3		
2-Chlorotoluene	ND	ug/L	0.50	1		12/11/15 03:21	95-49-8		
4-Chlorotoluene	ND	ug/L	0.50	1		12/11/15 03:21	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		12/11/15 03:21	96-12-8		
Dibromochloromethane	ND	ug/L	0.50	1		12/11/15 03:21	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		12/11/15 03:21	106-93-4		
Dibromomethane	ND	ug/L	0.50	1		12/11/15 03:21	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	0.50	1		12/11/15 03:21	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	0.50	1		12/11/15 03:21	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	0.50	1		12/11/15 03:21	106-46-7		
Dichlorodifluoromethane	ND	ug/L	0.50	1		12/11/15 03:21	75-71-8		
1,1-Dichloroethane	ND	ug/L	0.50	1		12/11/15 03:21	75-34-3		
1,2-Dichloroethane	ND	ug/L	0.50	1		12/11/15 03:21	107-06-2		
1,1-Dichloroethene	ND	ug/L	0.50	1		12/11/15 03:21	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		12/11/15 03:21	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		12/11/15 03:21	156-60-5		
1,2-Dichloropropane	ND	ug/L	0.50	1		12/11/15 03:21	78-87-5		
1,3-Dichloropropane	ND	ug/L	0.50	1		12/11/15 03:21	142-28-9		
2,2-Dichloropropane	ND	ug/L	0.50	1		12/11/15 03:21	594-20-7		
1,1-Dichloropropene	ND	ug/L	0.50	1		12/11/15 03:21	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		12/11/15 03:21	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		12/11/15 03:21	10061-02-6		
Diisopropyl ether	ND	ug/L	0.50	1		12/11/15 03:21	108-20-3		
Ethylbenzene	ND	ug/L	0.50	1		12/11/15 03:21	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		12/11/15 03:21	87-68-3		
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		12/11/15 03:21	98-82-8		
Methylene Chloride	ND	ug/L	2.0	1		12/11/15 03:21	75-09-2		
Methyl-tert-butyl ether	ND	ug/L	0.50	1		12/11/15 03:21	1634-04-4		
Naphthalene	ND	ug/L	2.0	1		12/11/15 03:21	91-20-3		
n-Propylbenzene	ND	ug/L	0.50	1		12/11/15 03:21	103-65-1		
Styrene	ND	ug/L	0.50	1		12/11/15 03:21	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		12/11/15 03:21	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		12/11/15 03:21	79-34-5		
Tetrachloroethene	ND	ug/L	0.50	1		12/11/15 03:21	127-18-4		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

ANALYTICAL RESULTS

Project: Keeter Ford

Pace Project No.: 92278893

Sample: MW-6		Lab ID: 92278893006		Collected: 12/04/15 14:50		Received: 12/08/15 13:35		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B							
Toluene	ND	ug/L	0.50	1			12/11/15 03:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1			12/11/15 03:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1			12/11/15 03:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1			12/11/15 03:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1			12/11/15 03:21	79-00-5	
Trichloroethene	ND	ug/L	0.50	1			12/11/15 03:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1			12/11/15 03:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1			12/11/15 03:21	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1			12/11/15 03:21	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1			12/11/15 03:21	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1			12/11/15 03:21	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1			12/11/15 03:21	179601-23-1	
o-Xylene	ND	ug/L	0.50	1			12/11/15 03:21	95-47-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	101	%	70-130	1			12/11/15 03:21	17060-07-0	
4-Bromofluorobenzene (S)	99	%	70-130	1			12/11/15 03:21	460-00-4	
Toluene-d8 (S)	99	%	70-130	1			12/11/15 03:21	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

ANALYTICAL RESULTS

Project: Keeter Ford

Pace Project No.: 92278893

Sample: MW-7		Lab ID: 92278893007		Collected: 12/04/15 14:55		Received: 12/08/15 13:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6200B MSV		Analytical Method: SM 6200B							
Benzene	ND	ug/L	0.50	1		12/11/15 03:38	71-43-2		
Bromobenzene	ND	ug/L	0.50	1		12/11/15 03:38	108-86-1		
Bromochloromethane	ND	ug/L	0.50	1		12/11/15 03:38	74-97-5		
Bromodichloromethane	ND	ug/L	0.50	1		12/11/15 03:38	75-27-4		
Bromoform	ND	ug/L	0.50	1		12/11/15 03:38	75-25-2		
Bromomethane	ND	ug/L	5.0	1		12/11/15 03:38	74-83-9		
n-Butylbenzene	ND	ug/L	0.50	1		12/11/15 03:38	104-51-8		
sec-Butylbenzene	ND	ug/L	0.50	1		12/11/15 03:38	135-98-8		
tert-Butylbenzene	ND	ug/L	0.50	1		12/11/15 03:38	98-06-6		
Carbon tetrachloride	ND	ug/L	0.50	1		12/11/15 03:38	56-23-5		
Chlorobenzene	ND	ug/L	0.50	1		12/11/15 03:38	108-90-7		
Chloroethane	ND	ug/L	1.0	1		12/11/15 03:38	75-00-3		
Chloroform	ND	ug/L	0.50	1		12/11/15 03:38	67-66-3		
Chloromethane	ND	ug/L	1.0	1		12/11/15 03:38	74-87-3		
2-Chlorotoluene	ND	ug/L	0.50	1		12/11/15 03:38	95-49-8		
4-Chlorotoluene	ND	ug/L	0.50	1		12/11/15 03:38	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		12/11/15 03:38	96-12-8		
Dibromochloromethane	ND	ug/L	0.50	1		12/11/15 03:38	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		12/11/15 03:38	106-93-4		
Dibromomethane	ND	ug/L	0.50	1		12/11/15 03:38	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	0.50	1		12/11/15 03:38	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	0.50	1		12/11/15 03:38	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	0.50	1		12/11/15 03:38	106-46-7		
Dichlorodifluoromethane	ND	ug/L	0.50	1		12/11/15 03:38	75-71-8		
1,1-Dichloroethane	ND	ug/L	0.50	1		12/11/15 03:38	75-34-3		
1,2-Dichloroethane	ND	ug/L	0.50	1		12/11/15 03:38	107-06-2		
1,1-Dichloroethene	ND	ug/L	0.50	1		12/11/15 03:38	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		12/11/15 03:38	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		12/11/15 03:38	156-60-5		
1,2-Dichloropropane	ND	ug/L	0.50	1		12/11/15 03:38	78-87-5		
1,3-Dichloropropane	ND	ug/L	0.50	1		12/11/15 03:38	142-28-9		
2,2-Dichloropropane	ND	ug/L	0.50	1		12/11/15 03:38	594-20-7		
1,1-Dichloropropene	ND	ug/L	0.50	1		12/11/15 03:38	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		12/11/15 03:38	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		12/11/15 03:38	10061-02-6		
Diisopropyl ether	ND	ug/L	0.50	1		12/11/15 03:38	108-20-3		
Ethylbenzene	ND	ug/L	0.50	1		12/11/15 03:38	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		12/11/15 03:38	87-68-3		
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		12/11/15 03:38	98-82-8		
Methylene Chloride	ND	ug/L	2.0	1		12/11/15 03:38	75-09-2		
Methyl-tert-butyl ether	ND	ug/L	0.50	1		12/11/15 03:38	1634-04-4		
Naphthalene	ND	ug/L	2.0	1		12/11/15 03:38	91-20-3		
n-Propylbenzene	ND	ug/L	0.50	1		12/11/15 03:38	103-65-1		
Styrene	ND	ug/L	0.50	1		12/11/15 03:38	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		12/11/15 03:38	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		12/11/15 03:38	79-34-5		
Tetrachloroethene	ND	ug/L	0.50	1		12/11/15 03:38	127-18-4		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: Keeter Ford

Pace Project No.: 92278893

Sample: MW-7		Lab ID: 92278893007	Collected: 12/04/15 14:55	Received: 12/08/15 13:35	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Toluene	ND	ug/L	0.50	1		12/11/15 03:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		12/11/15 03:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		12/11/15 03:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		12/11/15 03:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		12/11/15 03:38	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		12/11/15 03:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/11/15 03:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		12/11/15 03:38	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		12/11/15 03:38	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		12/11/15 03:38	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		12/11/15 03:38	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1		12/11/15 03:38	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		12/11/15 03:38	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%	70-130	1		12/11/15 03:38	17060-07-0	
4-Bromofluorobenzene (S)	99	%	70-130	1		12/11/15 03:38	460-00-4	
Toluene-d8 (S)	98	%	70-130	1		12/11/15 03:38	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

ANALYTICAL RESULTS

Project: Keeter Ford
Pace Project No.: 92278893

Sample: MW-9		Lab ID: 92278893008	Collected: 12/04/15 15:05	Received: 12/08/15 13:35	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Benzene	ND	ug/L	0.50	1		12/11/15 03:55	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		12/11/15 03:55	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		12/11/15 03:55	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		12/11/15 03:55	75-27-4	
Bromoform	ND	ug/L	0.50	1		12/11/15 03:55	75-25-2	
Bromomethane	ND	ug/L	5.0	1		12/11/15 03:55	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		12/11/15 03:55	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		12/11/15 03:55	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		12/11/15 03:55	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		12/11/15 03:55	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		12/11/15 03:55	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/11/15 03:55	75-00-3	
Chloroform	ND	ug/L	0.50	1		12/11/15 03:55	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/11/15 03:55	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		12/11/15 03:55	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		12/11/15 03:55	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		12/11/15 03:55	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		12/11/15 03:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		12/11/15 03:55	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		12/11/15 03:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		12/11/15 03:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		12/11/15 03:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		12/11/15 03:55	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		12/11/15 03:55	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		12/11/15 03:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		12/11/15 03:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		12/11/15 03:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		12/11/15 03:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		12/11/15 03:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		12/11/15 03:55	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		12/11/15 03:55	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		12/11/15 03:55	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		12/11/15 03:55	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		12/11/15 03:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		12/11/15 03:55	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	1		12/11/15 03:55	108-20-3	
Ethylbenzene	ND	ug/L	0.50	1		12/11/15 03:55	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		12/11/15 03:55	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		12/11/15 03:55	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		12/11/15 03:55	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		12/11/15 03:55	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		12/11/15 03:55	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		12/11/15 03:55	103-65-1	
Styrene	ND	ug/L	0.50	1		12/11/15 03:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		12/11/15 03:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		12/11/15 03:55	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		12/11/15 03:55	127-18-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

ANALYTICAL RESULTS

Project: Keeter Ford
Pace Project No.: 92278893

Sample: MW-9		Lab ID: 92278893008	Collected: 12/04/15 15:05	Received: 12/08/15 13:35	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Toluene	ND	ug/L	0.50	1		12/11/15 03:55	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		12/11/15 03:55	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		12/11/15 03:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		12/11/15 03:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		12/11/15 03:55	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		12/11/15 03:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/11/15 03:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		12/11/15 03:55	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		12/11/15 03:55	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		12/11/15 03:55	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		12/11/15 03:55	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1		12/11/15 03:55	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		12/11/15 03:55	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%	70-130	1		12/11/15 03:55	17060-07-0	
4-Bromofluorobenzene (S)	99	%	70-130	1		12/11/15 03:55	460-00-4	
Toluene-d8 (S)	99	%	70-130	1		12/11/15 03:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

ANALYTICAL RESULTS

Project: Keeter Ford
Pace Project No.: 92278893

Sample: RW-1		Lab ID: 92278893009	Collected: 12/04/15 15:15		Received: 12/08/15 13:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Benzene	4740	ug/L	50.0	100		12/11/15 06:24	71-43-2	
Bromobenzene	ND	ug/L	50.0	100		12/11/15 06:24	108-86-1	
Bromochloromethane	ND	ug/L	50.0	100		12/11/15 06:24	74-97-5	
Bromodichloromethane	ND	ug/L	50.0	100		12/11/15 06:24	75-27-4	
Bromoform	ND	ug/L	50.0	100		12/11/15 06:24	75-25-2	
Bromomethane	ND	ug/L	500	100		12/11/15 06:24	74-83-9	
n-Butylbenzene	ND	ug/L	50.0	100		12/11/15 06:24	104-51-8	
sec-Butylbenzene	ND	ug/L	50.0	100		12/11/15 06:24	135-98-8	
tert-Butylbenzene	ND	ug/L	50.0	100		12/11/15 06:24	98-06-6	
Carbon tetrachloride	ND	ug/L	50.0	100		12/11/15 06:24	56-23-5	
Chlorobenzene	ND	ug/L	50.0	100		12/11/15 06:24	108-90-7	
Chloroethane	ND	ug/L	100	100		12/11/15 06:24	75-00-3	
Chloroform	ND	ug/L	50.0	100		12/11/15 06:24	67-66-3	
Chloromethane	ND	ug/L	100	100		12/11/15 06:24	74-87-3	
2-Chlorotoluene	ND	ug/L	50.0	100		12/11/15 06:24	95-49-8	
4-Chlorotoluene	ND	ug/L	50.0	100		12/11/15 06:24	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	100	100		12/11/15 06:24	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	100		12/11/15 06:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	100		12/11/15 06:24	106-93-4	
Dibromomethane	ND	ug/L	50.0	100		12/11/15 06:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	50.0	100		12/11/15 06:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	100		12/11/15 06:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	100		12/11/15 06:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	100		12/11/15 06:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	100		12/11/15 06:24	75-34-3	
1,2-Dichloroethane	117	ug/L	50.0	100		12/11/15 06:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	100		12/11/15 06:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	50.0	100		12/11/15 06:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	50.0	100		12/11/15 06:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	100		12/11/15 06:24	78-87-5	
1,3-Dichloropropane	ND	ug/L	50.0	100		12/11/15 06:24	142-28-9	
2,2-Dichloropropane	ND	ug/L	50.0	100		12/11/15 06:24	594-20-7	
1,1-Dichloropropene	ND	ug/L	50.0	100		12/11/15 06:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	50.0	100		12/11/15 06:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	100		12/11/15 06:24	10061-02-6	
Diisopropyl ether	198	ug/L	50.0	100		12/11/15 06:24	108-20-3	
Ethylbenzene	392	ug/L	50.0	100		12/11/15 06:24	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	200	100		12/11/15 06:24	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	100		12/11/15 06:24	98-82-8	
Methylene Chloride	ND	ug/L	200	100		12/11/15 06:24	75-09-2	
Methyl-tert-butyl ether	9770	ug/L	50.0	100		12/11/15 06:24	1634-04-4	
Naphthalene	ND	ug/L	200	100		12/11/15 06:24	91-20-3	
n-Propylbenzene	52.0	ug/L	50.0	100		12/11/15 06:24	103-65-1	
Styrene	ND	ug/L	50.0	100		12/11/15 06:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	50.0	100		12/11/15 06:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	100		12/11/15 06:24	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	100		12/11/15 06:24	127-18-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

ANALYTICAL RESULTS

Project: Keeter Ford
Pace Project No.: 92278893

Sample: RW-1		Lab ID: 92278893009	Collected: 12/04/15 15:15	Received: 12/08/15 13:35	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Toluene	ND	ug/L	50.0	100		12/11/15 06:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	200	100		12/11/15 06:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	200	100		12/11/15 06:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	100		12/11/15 06:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	100		12/11/15 06:24	79-00-5	
Trichloroethene	ND	ug/L	50.0	100		12/11/15 06:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	100	100		12/11/15 06:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	50.0	100		12/11/15 06:24	96-18-4	
1,2,4-Trimethylbenzene	468	ug/L	50.0	100		12/11/15 06:24	95-63-6	
1,3,5-Trimethylbenzene	76.7	ug/L	50.0	100		12/11/15 06:24	108-67-8	
Vinyl chloride	ND	ug/L	100	100		12/11/15 06:24	75-01-4	
m&p-Xylene	1590	ug/L	100	100		12/11/15 06:24	179601-23-1	
o-Xylene	376	ug/L	50.0	100		12/11/15 06:24	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%	70-130	100		12/11/15 06:24	17060-07-0	
4-Bromofluorobenzene (S)	98	%	70-130	100		12/11/15 06:24	460-00-4	
Toluene-d8 (S)	100	%	70-130	100		12/11/15 06:24	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

ANALYTICAL RESULTS

Project: Keeter Ford
Pace Project No.: 92278893

Sample: RW-2		Lab ID: 92278893010		Collected: 12/04/15 15:20		Received: 12/08/15 13:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6200B MSV		Analytical Method: SM 6200B							
Benzene	466	ug/L	50.0	100		12/11/15 06:41	71-43-2		
Bromobenzene	ND	ug/L	50.0	100		12/11/15 06:41	108-86-1		
Bromochloromethane	ND	ug/L	50.0	100		12/11/15 06:41	74-97-5		
Bromodichloromethane	ND	ug/L	50.0	100		12/11/15 06:41	75-27-4		
Bromoform	ND	ug/L	50.0	100		12/11/15 06:41	75-25-2		
Bromomethane	ND	ug/L	500	100		12/11/15 06:41	74-83-9		
n-Butylbenzene	ND	ug/L	50.0	100		12/11/15 06:41	104-51-8		
sec-Butylbenzene	ND	ug/L	50.0	100		12/11/15 06:41	135-98-8		
tert-Butylbenzene	ND	ug/L	50.0	100		12/11/15 06:41	98-06-6		
Carbon tetrachloride	ND	ug/L	50.0	100		12/11/15 06:41	56-23-5		
Chlorobenzene	ND	ug/L	50.0	100		12/11/15 06:41	108-90-7		
Chloroethane	ND	ug/L	100	100		12/11/15 06:41	75-00-3		
Chloroform	ND	ug/L	50.0	100		12/11/15 06:41	67-66-3		
Chloromethane	ND	ug/L	100	100		12/11/15 06:41	74-87-3		
2-Chlorotoluene	ND	ug/L	50.0	100		12/11/15 06:41	95-49-8		
4-Chlorotoluene	ND	ug/L	50.0	100		12/11/15 06:41	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	100	100		12/11/15 06:41	96-12-8		
Dibromochloromethane	ND	ug/L	50.0	100		12/11/15 06:41	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	100		12/11/15 06:41	106-93-4		
Dibromomethane	ND	ug/L	50.0	100		12/11/15 06:41	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	50.0	100		12/11/15 06:41	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	50.0	100		12/11/15 06:41	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	50.0	100		12/11/15 06:41	106-46-7		
Dichlorodifluoromethane	ND	ug/L	50.0	100		12/11/15 06:41	75-71-8		
1,1-Dichloroethane	ND	ug/L	50.0	100		12/11/15 06:41	75-34-3		
1,2-Dichloroethane	ND	ug/L	50.0	100		12/11/15 06:41	107-06-2		
1,1-Dichloroethene	ND	ug/L	50.0	100		12/11/15 06:41	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	50.0	100		12/11/15 06:41	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	50.0	100		12/11/15 06:41	156-60-5		
1,2-Dichloropropane	ND	ug/L	50.0	100		12/11/15 06:41	78-87-5		
1,3-Dichloropropane	ND	ug/L	50.0	100		12/11/15 06:41	142-28-9		
2,2-Dichloropropane	ND	ug/L	50.0	100		12/11/15 06:41	594-20-7		
1,1-Dichloropropene	ND	ug/L	50.0	100		12/11/15 06:41	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	50.0	100		12/11/15 06:41	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	50.0	100		12/11/15 06:41	10061-02-6		
Diisopropyl ether	ND	ug/L	50.0	100		12/11/15 06:41	108-20-3		
Ethylbenzene	2180	ug/L	50.0	100		12/11/15 06:41	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	200	100		12/11/15 06:41	87-68-3		
Isopropylbenzene (Cumene)	94.1	ug/L	50.0	100		12/11/15 06:41	98-82-8		
Methylene Chloride	ND	ug/L	200	100		12/11/15 06:41	75-09-2		
Methyl-tert-butyl ether	206	ug/L	50.0	100		12/11/15 06:41	1634-04-4		
Naphthalene	620	ug/L	200	100		12/11/15 06:41	91-20-3		
n-Propylbenzene	277	ug/L	50.0	100		12/11/15 06:41	103-65-1		
Styrene	ND	ug/L	50.0	100		12/11/15 06:41	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	50.0	100		12/11/15 06:41	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	100		12/11/15 06:41	79-34-5		
Tetrachloroethene	ND	ug/L	50.0	100		12/11/15 06:41	127-18-4		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

ANALYTICAL RESULTS

Project: Keeter Ford
Pace Project No.: 92278893

Sample: RW-2		Lab ID: 92278893010	Collected: 12/04/15 15:20	Received: 12/08/15 13:35	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Toluene	10800	ug/L	50.0	100		12/11/15 06:41	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	200	100		12/11/15 06:41	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	200	100		12/11/15 06:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	100		12/11/15 06:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	100		12/11/15 06:41	79-00-5	
Trichloroethene	ND	ug/L	50.0	100		12/11/15 06:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	100	100		12/11/15 06:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	50.0	100		12/11/15 06:41	96-18-4	
1,2,4-Trimethylbenzene	2820	ug/L	50.0	100		12/11/15 06:41	95-63-6	
1,3,5-Trimethylbenzene	911	ug/L	50.0	100		12/11/15 06:41	108-67-8	
Vinyl chloride	ND	ug/L	100	100		12/11/15 06:41	75-01-4	
m&p-Xylene	11100	ug/L	100	100		12/11/15 06:41	179601-23-1	
o-Xylene	5650	ug/L	50.0	100		12/11/15 06:41	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%	70-130	100		12/11/15 06:41	17060-07-0	
4-Bromofluorobenzene (S)	100	%	70-130	100		12/11/15 06:41	460-00-4	
Toluene-d8 (S)	100	%	70-130	100		12/11/15 06:41	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

ANALYTICAL RESULTS

Project: Keeter Ford
Pace Project No.: 92278893

Sample: RW-3		Lab ID: 92278893011	Collected: 12/04/15 15:25		Received: 12/08/15 13:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Benzene	25.7	ug/L	25.0	50		12/11/15 06:58	71-43-2	
Bromobenzene	ND	ug/L	25.0	50		12/11/15 06:58	108-86-1	
Bromochloromethane	ND	ug/L	25.0	50		12/11/15 06:58	74-97-5	
Bromodichloromethane	ND	ug/L	25.0	50		12/11/15 06:58	75-27-4	
Bromoform	ND	ug/L	25.0	50		12/11/15 06:58	75-25-2	
Bromomethane	ND	ug/L	250	50		12/11/15 06:58	74-83-9	
n-Butylbenzene	ND	ug/L	25.0	50		12/11/15 06:58	104-51-8	
sec-Butylbenzene	ND	ug/L	25.0	50		12/11/15 06:58	135-98-8	
tert-Butylbenzene	ND	ug/L	25.0	50		12/11/15 06:58	98-06-6	
Carbon tetrachloride	ND	ug/L	25.0	50		12/11/15 06:58	56-23-5	
Chlorobenzene	ND	ug/L	25.0	50		12/11/15 06:58	108-90-7	
Chloroethane	ND	ug/L	50.0	50		12/11/15 06:58	75-00-3	
Chloroform	ND	ug/L	25.0	50		12/11/15 06:58	67-66-3	
Chloromethane	ND	ug/L	50.0	50		12/11/15 06:58	74-87-3	
2-Chlorotoluene	ND	ug/L	25.0	50		12/11/15 06:58	95-49-8	
4-Chlorotoluene	ND	ug/L	25.0	50		12/11/15 06:58	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	50.0	50		12/11/15 06:58	96-12-8	
Dibromochloromethane	ND	ug/L	25.0	50		12/11/15 06:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	25.0	50		12/11/15 06:58	106-93-4	
Dibromomethane	ND	ug/L	25.0	50		12/11/15 06:58	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	25.0	50		12/11/15 06:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	25.0	50		12/11/15 06:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	25.0	50		12/11/15 06:58	106-46-7	
Dichlorodifluoromethane	ND	ug/L	25.0	50		12/11/15 06:58	75-71-8	
1,1-Dichloroethane	ND	ug/L	25.0	50		12/11/15 06:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	25.0	50		12/11/15 06:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	50		12/11/15 06:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	25.0	50		12/11/15 06:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	25.0	50		12/11/15 06:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	25.0	50		12/11/15 06:58	78-87-5	
1,3-Dichloropropane	ND	ug/L	25.0	50		12/11/15 06:58	142-28-9	
2,2-Dichloropropane	ND	ug/L	25.0	50		12/11/15 06:58	594-20-7	
1,1-Dichloropropene	ND	ug/L	25.0	50		12/11/15 06:58	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	25.0	50		12/11/15 06:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	25.0	50		12/11/15 06:58	10061-02-6	
Diisopropyl ether	ND	ug/L	25.0	50		12/11/15 06:58	108-20-3	
Ethylbenzene	2640	ug/L	25.0	50		12/11/15 06:58	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	100	50		12/11/15 06:58	87-68-3	
Isopropylbenzene (Cumene)	114	ug/L	25.0	50		12/11/15 06:58	98-82-8	
Methylene Chloride	ND	ug/L	100	50		12/11/15 06:58	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	25.0	50		12/11/15 06:58	1634-04-4	
Naphthalene	1140	ug/L	100	50		12/11/15 06:58	91-20-3	
n-Propylbenzene	324	ug/L	25.0	50		12/11/15 06:58	103-65-1	
Styrene	63.2	ug/L	25.0	50		12/11/15 06:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	25.0	50		12/11/15 06:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	25.0	50		12/11/15 06:58	79-34-5	
Tetrachloroethene	ND	ug/L	25.0	50		12/11/15 06:58	127-18-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.,

ANALYTICAL RESULTS

Project: Keeter Ford
Pace Project No.: 92278893

Sample: RW-3		Lab ID: 92278893011	Collected: 12/04/15 15:25		Received: 12/08/15 13:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Toluene	4190	ug/L	25.0	50		12/11/15 06:58	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	100	50		12/11/15 06:58	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	100	50		12/11/15 06:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	25.0	50		12/11/15 06:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	25.0	50		12/11/15 06:58	79-00-5	
Trichloroethene	ND	ug/L	25.0	50		12/11/15 06:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	50		12/11/15 06:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	25.0	50		12/11/15 06:58	96-18-4	
1,2,4-Trimethylbenzene	3650	ug/L	25.0	50		12/11/15 06:58	95-63-6	
1,3,5-Trimethylbenzene	935	ug/L	25.0	50		12/11/15 06:58	108-67-8	
Vinyl chloride	ND	ug/L	50.0	50		12/11/15 06:58	75-01-4	
m&p-Xylene	12200	ug/L	50.0	50		12/11/15 06:58	179601-23-1	
o-Xylene	6170	ug/L	25.0	50		12/11/15 06:58	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%	70-130	50		12/11/15 06:58	17060-07-0	
4-Bromofluorobenzene (S)	102	%	70-130	50		12/11/15 06:58	460-00-4	
Toluene-d8 (S)	101	%	70-130	50		12/11/15 06:58	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.,

ANALYTICAL RESULTS

Project: Keeter Ford
Pace Project No.: 92278893

Sample: RW-4		Lab ID: 92278893012	Collected: 12/04/15 15:30	Received: 12/08/15 13:35	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Benzene	1240	ug/L	50.0	100		12/11/15 07:14	71-43-2	
Bromobenzene	ND	ug/L	50.0	100		12/11/15 07:14	108-86-1	
Bromochloromethane	ND	ug/L	50.0	100		12/11/15 07:14	74-97-5	
Bromodichloromethane	ND	ug/L	50.0	100		12/11/15 07:14	75-27-4	
Bromoform	ND	ug/L	50.0	100		12/11/15 07:14	75-25-2	
Bromomethane	ND	ug/L	500	100		12/11/15 07:14	74-83-9	
n-Butylbenzene	ND	ug/L	50.0	100		12/11/15 07:14	104-51-8	
sec-Butylbenzene	ND	ug/L	50.0	100		12/11/15 07:14	135-98-8	
tert-Butylbenzene	ND	ug/L	50.0	100		12/11/15 07:14	98-06-6	
Carbon tetrachloride	ND	ug/L	50.0	100		12/11/15 07:14	56-23-5	
Chlorobenzene	ND	ug/L	50.0	100		12/11/15 07:14	108-90-7	
Chloroethane	ND	ug/L	100	100		12/11/15 07:14	75-00-3	
Chloroform	ND	ug/L	50.0	100		12/11/15 07:14	67-66-3	
Chloromethane	ND	ug/L	100	100		12/11/15 07:14	74-87-3	
2-Chlorotoluene	ND	ug/L	50.0	100		12/11/15 07:14	95-49-8	
4-Chlorotoluene	ND	ug/L	50.0	100		12/11/15 07:14	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	100	100		12/11/15 07:14	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	100		12/11/15 07:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	100		12/11/15 07:14	106-93-4	
Dibromomethane	ND	ug/L	50.0	100		12/11/15 07:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	50.0	100		12/11/15 07:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	100		12/11/15 07:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	100		12/11/15 07:14	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	100		12/11/15 07:14	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	100		12/11/15 07:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	100		12/11/15 07:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	100		12/11/15 07:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	50.0	100		12/11/15 07:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	50.0	100		12/11/15 07:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	100		12/11/15 07:14	78-87-5	
1,3-Dichloropropane	ND	ug/L	50.0	100		12/11/15 07:14	142-28-9	
2,2-Dichloropropane	ND	ug/L	50.0	100		12/11/15 07:14	594-20-7	
1,1-Dichloropropene	ND	ug/L	50.0	100		12/11/15 07:14	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	50.0	100		12/11/15 07:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	100		12/11/15 07:14	10061-02-6	
Diisopropyl ether	ND	ug/L	50.0	100		12/11/15 07:14	108-20-3	
Ethylbenzene	2770	ug/L	50.0	100		12/11/15 07:14	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	200	100		12/11/15 07:14	87-68-3	
Isopropylbenzene (Cumene)	115	ug/L	50.0	100		12/11/15 07:14	98-82-8	
Methylene Chloride	ND	ug/L	200	100		12/11/15 07:14	75-09-2	
Methyl-tert-butyl ether	286	ug/L	50.0	100		12/11/15 07:14	1634-04-4	
Naphthalene	1260	ug/L	200	100		12/11/15 07:14	91-20-3	
n-Propylbenzene	338	ug/L	50.0	100		12/11/15 07:14	103-65-1	
Styrene	51.4	ug/L	50.0	100		12/11/15 07:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	50.0	100		12/11/15 07:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	100		12/11/15 07:14	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	100		12/11/15 07:14	127-18-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.,

ANALYTICAL RESULTS

Project: Keeter Ford
Pace Project No.: 92278893

Sample: RW-4		Lab ID: 92278893012	Collected: 12/04/15 15:30		Received: 12/08/15 13:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Toluene	14500	ug/L	50.0	100		12/11/15 07:14	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	200	100		12/11/15 07:14	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	200	100		12/11/15 07:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	100		12/11/15 07:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	100		12/11/15 07:14	79-00-5	
Trichloroethene	ND	ug/L	50.0	100		12/11/15 07:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	100	100		12/11/15 07:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	50.0	100		12/11/15 07:14	96-18-4	
1,2,4-Trimethylbenzene	3660	ug/L	50.0	100		12/11/15 07:14	95-63-6	
1,3,5-Trimethylbenzene	903	ug/L	50.0	100		12/11/15 07:14	108-67-8	
Vinyl chloride	ND	ug/L	100	100		12/11/15 07:14	75-01-4	
m&p-Xylene	15700	ug/L	100	100		12/11/15 07:14	179601-23-1	
o-Xylene	8050	ug/L	50.0	100		12/11/15 07:14	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%	70-130	100		12/11/15 07:14	17060-07-0	
4-Bromofluorobenzene (S)	101	%	70-130	100		12/11/15 07:14	460-00-4	
Toluene-d8 (S)	100	%	70-130	100		12/11/15 07:14	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.,

ANALYTICAL RESULTS

Project: Keeter Ford

Pace Project No.: 92278893

Sample: TRIP BLANK		Lab ID: 92278893013	Collected: 12/04/15 00:00	Received: 12/08/15 13:35	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Benzene	ND	ug/L	0.50	1		12/11/15 04:11	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		12/11/15 04:11	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		12/11/15 04:11	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		12/11/15 04:11	75-27-4	
Bromoform	ND	ug/L	0.50	1		12/11/15 04:11	75-25-2	
Bromomethane	ND	ug/L	5.0	1		12/11/15 04:11	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		12/11/15 04:11	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		12/11/15 04:11	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		12/11/15 04:11	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		12/11/15 04:11	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		12/11/15 04:11	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/11/15 04:11	75-00-3	
Chloroform	ND	ug/L	0.50	1		12/11/15 04:11	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/11/15 04:11	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		12/11/15 04:11	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		12/11/15 04:11	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		12/11/15 04:11	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		12/11/15 04:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		12/11/15 04:11	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		12/11/15 04:11	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		12/11/15 04:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		12/11/15 04:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		12/11/15 04:11	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		12/11/15 04:11	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		12/11/15 04:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		12/11/15 04:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		12/11/15 04:11	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		12/11/15 04:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		12/11/15 04:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		12/11/15 04:11	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		12/11/15 04:11	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		12/11/15 04:11	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		12/11/15 04:11	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		12/11/15 04:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		12/11/15 04:11	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	1		12/11/15 04:11	108-20-3	
Ethylbenzene	ND	ug/L	0.50	1		12/11/15 04:11	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		12/11/15 04:11	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		12/11/15 04:11	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		12/11/15 04:11	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		12/11/15 04:11	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		12/11/15 04:11	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		12/11/15 04:11	103-65-1	
Styrene	ND	ug/L	0.50	1		12/11/15 04:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		12/11/15 04:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		12/11/15 04:11	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		12/11/15 04:11	127-18-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

ANALYTICAL RESULTS

Project: Keeter Ford

Pace Project No.: 92278893

Sample: TRIP BLANK		Lab ID: 92278893013	Collected: 12/04/15 00:00	Received: 12/08/15 13:35	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Toluene	ND	ug/L	0.50	1		12/11/15 04:11	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		12/11/15 04:11	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		12/11/15 04:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		12/11/15 04:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		12/11/15 04:11	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		12/11/15 04:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/11/15 04:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		12/11/15 04:11	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		12/11/15 04:11	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		12/11/15 04:11	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		12/11/15 04:11	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1		12/11/15 04:11	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		12/11/15 04:11	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%	70-130	1		12/11/15 04:11	17060-07-0	
4-Bromofluorobenzene (S)	99	%	70-130	1		12/11/15 04:11	460-00-4	
Toluene-d8 (S)	100	%	70-130	1		12/11/15 04:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

QUALITY CONTROL DATA

Project: Keeter Ford

Pace Project No.: 92278893

QC Batch: MSV/34634

Analysis Method: SM 6200B

QC Batch Method: SM 6200B

Analysis Description: 6200B MSV

Associated Lab Samples: 92278893001

METHOD BLANK: 1626048

Matrix: Water

Associated Lab Samples: 92278893001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	12/10/15 18:12	
1,1,1-Trichloroethane	ug/L	ND	0.50	12/10/15 18:12	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	12/10/15 18:12	
1,1,2-Trichloroethane	ug/L	ND	0.50	12/10/15 18:12	
1,1-Dichloroethane	ug/L	ND	0.50	12/10/15 18:12	
1,1-Dichloroethene	ug/L	ND	0.50	12/10/15 18:12	
1,1-Dichloropropene	ug/L	ND	0.50	12/10/15 18:12	
1,2,3-Trichlorobenzene	ug/L	ND	2.0	12/10/15 18:12	
1,2,3-Trichloropropane	ug/L	ND	0.50	12/10/15 18:12	
1,2,4-Trichlorobenzene	ug/L	ND	2.0	12/10/15 18:12	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	12/10/15 18:12	
1,2-Dibromo-3-chloropropane	ug/L	ND	1.0	12/10/15 18:12	
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	12/10/15 18:12	
1,2-Dichlorobenzene	ug/L	ND	0.50	12/10/15 18:12	
1,2-Dichloroethane	ug/L	ND	0.50	12/10/15 18:12	
1,2-Dichloropropane	ug/L	ND	0.50	12/10/15 18:12	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	12/10/15 18:12	
1,3-Dichlorobenzene	ug/L	ND	0.50	12/10/15 18:12	
1,3-Dichloropropane	ug/L	ND	0.50	12/10/15 18:12	
1,4-Dichlorobenzene	ug/L	ND	0.50	12/10/15 18:12	
2,2-Dichloropropane	ug/L	ND	0.50	12/10/15 18:12	
2-Chlorotoluene	ug/L	ND	0.50	12/10/15 18:12	
4-Chlorotoluene	ug/L	ND	0.50	12/10/15 18:12	
Benzene	ug/L	ND	0.50	12/10/15 18:12	
Bromobenzene	ug/L	ND	0.50	12/10/15 18:12	
Bromochloromethane	ug/L	ND	0.50	12/10/15 18:12	
Bromodichloromethane	ug/L	ND	0.50	12/10/15 18:12	
Bromoform	ug/L	ND	0.50	12/10/15 18:12	
Bromomethane	ug/L	ND	5.0	12/10/15 18:12	
Carbon tetrachloride	ug/L	ND	0.50	12/10/15 18:12	
Chlorobenzene	ug/L	ND	0.50	12/10/15 18:12	
Chloroethane	ug/L	ND	1.0	12/10/15 18:12	
Chloroform	ug/L	ND	0.50	12/10/15 18:12	
Chloromethane	ug/L	ND	1.0	12/10/15 18:12	
cis-1,2-Dichloroethene	ug/L	ND	0.50	12/10/15 18:12	
cis-1,3-Dichloropropene	ug/L	ND	0.50	12/10/15 18:12	
Dibromochloromethane	ug/L	ND	0.50	12/10/15 18:12	
Dibromomethane	ug/L	ND	0.50	12/10/15 18:12	
Dichlorodifluoromethane	ug/L	ND	0.50	12/10/15 18:12	
Diisopropyl ether	ug/L	ND	0.50	12/10/15 18:12	
Ethylbenzene	ug/L	ND	0.50	12/10/15 18:12	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.,

QUALITY CONTROL DATA

Project: Keeter Ford

Pace Project No.: 92278893

METHOD BLANK: 1626048

Matrix: Water

Associated Lab Samples: 92278893001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	2.0	12/10/15 18:12	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	12/10/15 18:12	
m&p-Xylene	ug/L	ND	1.0	12/10/15 18:12	
Methyl-tert-butyl ether	ug/L	ND	0.50	12/10/15 18:12	
Methylene Chloride	ug/L	ND	2.0	12/10/15 18:12	
n-Butylbenzene	ug/L	ND	0.50	12/10/15 18:12	
n-Propylbenzene	ug/L	ND	0.50	12/10/15 18:12	
Naphthalene	ug/L	ND	2.0	12/10/15 18:12	
o-Xylene	ug/L	ND	0.50	12/10/15 18:12	
sec-Butylbenzene	ug/L	ND	0.50	12/10/15 18:12	
Styrene	ug/L	ND	0.50	12/10/15 18:12	
tert-Butylbenzene	ug/L	ND	0.50	12/10/15 18:12	
Tetrachloroethene	ug/L	ND	0.50	12/10/15 18:12	
Toluene	ug/L	ND	0.50	12/10/15 18:12	
trans-1,2-Dichloroethene	ug/L	ND	0.50	12/10/15 18:12	
trans-1,3-Dichloropropene	ug/L	ND	0.50	12/10/15 18:12	
Trichloroethene	ug/L	ND	0.50	12/10/15 18:12	
Trichlorofluoromethane	ug/L	ND	1.0	12/10/15 18:12	
Vinyl chloride	ug/L	ND	1.0	12/10/15 18:12	
1,2-Dichloroethane-d4 (S)	%	102	70-130	12/10/15 18:12	
4-Bromofluorobenzene (S)	%	100	70-130	12/10/15 18:12	
Toluene-d8 (S)	%	100	70-130	12/10/15 18:12	

LABORATORY CONTROL SAMPLE: 1626049

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.7	109	60-140	
1,1,1-Trichloroethane	ug/L	50	56.8	114	60-140	
1,1,2,2-Tetrachloroethane	ug/L	50	49.3	99	60-140	
1,1,2-Trichloroethane	ug/L	50	48.2	96	60-140	
1,1-Dichloroethane	ug/L	50	50.7	101	60-140	
1,1-Dichloroethene	ug/L	50	54.7	109	60-140	
1,1-Dichloropropene	ug/L	50	55.1	110	60-140	
1,2,3-Trichlorobenzene	ug/L	50	45.4	91	60-140	
1,2,3-Trichloropropane	ug/L	50	46.8	94	60-140	
1,2,4-Trichlorobenzene	ug/L	50	47.7	95	60-140	
1,2,4-Trimethylbenzene	ug/L	50	55.0	110	60-140	
1,2-Dibromo-3-chloropropane	ug/L	50	49.3	99	60-140	
1,2-Dibromoethane (EDB)	ug/L	50	52.3	105	60-140	
1,2-Dichlorobenzene	ug/L	50	50.9	102	60-140	
1,2-Dichloroethane	ug/L	50	44.8	90	60-140	
1,2-Dichloropropane	ug/L	50	50.2	100	60-140	
1,3,5-Trimethylbenzene	ug/L	50	56.3	113	60-140	
1,3-Dichlorobenzene	ug/L	50	52.4	105	60-140	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

QUALITY CONTROL DATA

Project: Keeter Ford

Pace Project No.: 92278893

LABORATORY CONTROL SAMPLE: 1626049

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	49.9	100	60-140	
1,4-Dichlorobenzene	ug/L	50	50.0	100	60-140	
2,2-Dichloropropane	ug/L	50	59.8	120	60-140	
2-Chlorotoluene	ug/L	50	52.8	106	60-140	
4-Chlorotoluene	ug/L	50	53.3	107	60-140	
Benzene	ug/L	50	51.3	103	60-140	
Bromobenzene	ug/L	50	51.5	103	60-140	
Bromochloromethane	ug/L	50	51.2	102	60-140	
Bromodichloromethane	ug/L	50	54.2	108	60-140	
Bromoform	ug/L	50	40.9	82	60-140	
Bromomethane	ug/L	50	51.0	102	60-140	
Carbon tetrachloride	ug/L	50	60.1	120	60-140	
Chlorobenzene	ug/L	50	49.1	98	60-140	
Chloroethane	ug/L	50	43.2	86	60-140	
Chloroform	ug/L	50	49.4	99	60-140	
Chloromethane	ug/L	50	58.5	117	60-140	
cis-1,2-Dichloroethene	ug/L	50	50.1	100	60-140	
cis-1,3-Dichloropropene	ug/L	50	57.2	114	60-140	
Dibromochloromethane	ug/L	50	46.8	94	60-140	
Dibromomethane	ug/L	50	48.1	96	60-140	
Dichlorodifluoromethane	ug/L	50	54.2	108	60-140	
Diisopropyl ether	ug/L	50	52.3	105	60-140	
Ethylbenzene	ug/L	50	52.1	104	60-140	
Hexachloro-1,3-butadiene	ug/L	50	56.2	112	60-140	
Isopropylbenzene (Cumene)	ug/L	50	59.1	118	60-140	
m&p-Xylene	ug/L	100	107	107	60-140	
Methyl-tert-butyl ether	ug/L	50	51.9	104	60-140	
Methylene Chloride	ug/L	50	51.9	104	60-140	
n-Butylbenzene	ug/L	50	54.5	109	60-140	
n-Propylbenzene	ug/L	50	55.3	111	60-140	
Naphthalene	ug/L	50	49.9	100	60-140	
o-Xylene	ug/L	50	53.4	107	60-140	
sec-Butylbenzene	ug/L	50	57.2	114	60-140	
Styrene	ug/L	50	56.6	113	60-140	
tert-Butylbenzene	ug/L	50	47.2	94	60-140	
Tetrachloroethene	ug/L	50	50.0	100	60-140	
Toluene	ug/L	50	50.6	101	60-140	
trans-1,2-Dichloroethene	ug/L	50	51.5	103	60-140	
trans-1,3-Dichloropropene	ug/L	50	56.7	113	60-140	
Trichloroethene	ug/L	50	49.4	99	60-140	
Trichlorofluoromethane	ug/L	50	47.8	96	60-140	
Vinyl chloride	ug/L	50	54.1	108	60-140	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			101	70-130	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

QUALITY CONTROL DATA

Project: Keeter Ford

Pace Project No.: 92278893

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1626050

1626051

Parameter	Units	92279092004	MS	MSD	MS	MSD	MS	MSD	% Rec	% Rec	Limits	RPD	Qual
		Result	Spike Conc.	Spike Conc.									
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	23.4	22.9	117	115	60-140	2			
1,1,1-Trichloroethane	ug/L	ND	20	20	27.0	26.5	135	132	60-140	2			
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	21.4	20.9	107	104	60-140	2			
1,1,2-Trichloroethane	ug/L	ND	20	20	21.1	20.4	106	102	60-140	3			
1,1-Dichloroethane	ug/L	ND	20	20	24.2	23.7	121	119	60-140	2			
1,1-Dichloroethene	ug/L	ND	20	20	26.7	26.3	133	132	60-140	1			
1,1-Dichloropropene	ug/L	ND	20	20	26.5	25.8	132	129	60-140	3			
1,2,3-Trichlorobenzene	ug/L	ND	20	20	19.9	19.4	100	97	60-140	3			
1,2,3-Trichloropropane	ug/L	ND	20	20	20.6	20.2	103	101	60-140	2			
1,2,4-Trichlorobenzene	ug/L	ND	20	20	21.1	20.3	105	101	60-140	4			
1,2,4-Trimethylbenzene	ug/L	ND	20	20	25.8	24.5	129	123	60-140	5			
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	18.8	18.3	94	91	60-140	3			
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	22.9	22.1	114	110	60-140	4			
1,2-Dichlorobenzene	ug/L	ND	20	20	23.5	22.6	117	113	60-140	4			
1,2-Dichloroethane	ug/L	ND	20	20	20.4	20.1	101	99	60-140	2			
1,2-Dichloropropane	ug/L	ND	20	20	22.7	21.9	114	109	60-140	4			
1,3,5-Trimethylbenzene	ug/L	ND	20	20	26.4	25.3	132	127	60-140	4			
1,3-Dichlorobenzene	ug/L	ND	20	20	24.4	23.5	122	118	60-140	4			
1,3-Dichloropropane	ug/L	ND	20	20	22.3	21.7	111	109	60-140	2			
1,4-Dichlorobenzene	ug/L	ND	20	20	23.6	22.8	118	114	60-140	3			
2,2-Dichloropropane	ug/L	ND	20	20	25.1	24.7	125	124	60-140	1			
2-Chlorotoluene	ug/L	ND	20	20	25.3	24.1	126	120	60-140	5			
4-Chlorotoluene	ug/L	ND	20	20	25.0	24.0	125	120	60-140	4			
Benzene	ug/L	ND	20	20	23.8	23.0	119	115	60-140	3			
Bromobenzene	ug/L	ND	20	20	26.1	22.9	130	114	60-140	13			
Bromochloromethane	ug/L	ND	20	20	23.2	22.7	116	114	60-140	2			
Bromodichloromethane	ug/L	ND	20	20	22.7	22.2	113	111	60-140	2			
Bromoform	ug/L	ND	20	20	16.3	16.3	82	82	60-140	0			
Bromomethane	ug/L	ND	20	20	27.6	25.1	137	125	60-140	9			
Carbon tetrachloride	ug/L	ND	20	20	27.3	26.5	136	133	60-140	3			
Chlorobenzene	ug/L	ND	20	20	23.5	22.7	117	114	60-140	3			
Chloroethane	ug/L	ND	20	20	24.2	23.2	121	116	60-140	4			
Chloroform	ug/L	ND	20	20	23.6	22.8	118	114	60-140	4			
Chloromethane	ug/L	ND	20	20	24.8	24.8	123	123	60-140	0			
cis-1,2-Dichloroethene	ug/L	ND	20	20	23.4	23.0	117	115	60-140	2			
cis-1,3-Dichloropropene	ug/L	ND	20	20	22.6	21.7	113	108	60-140	4			
Dibromochloromethane	ug/L	ND	20	20	19.5	19.2	98	96	60-140	2			
Dibromomethane	ug/L	ND	20	20	21.5	20.9	108	104	60-140	3			
Dichlorodifluoromethane	ug/L	ND	20	20	26.5	26.1	132	130	60-140	2			
Diisopropyl ether	ug/L	ND	20	20	23.7	23.4	118	117	60-140	1			
Ethylbenzene	ug/L	ND	20	20	24.7	23.9	124	119	60-140	3			
Hexachloro-1,3-butadiene	ug/L	ND	20	20	25.7	25.1	129	125	60-140	3			
Isopropylbenzene (Cumene)	ug/L	ND	20	20	27.4	26.8	137	134	60-140	2			
m&p-Xylene	ug/L	ND	40	40	50.9	49.3	127	123	60-140	3			
Methyl-tert-butyl ether	ug/L	ND	20	20	22.7	22.5	114	113	60-140	1			
Methylene Chloride	ug/L	ND	20	20	21.5	20.9	108	104	60-140	3			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

QUALITY CONTROL DATA

Project: Keeter Ford

Pace Project No.: 92278893

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1626050

1626051

Parameter	Units	92279092004	MS	MSD	MS	MSD	MS	MSD	% Rec	% Rec	Limits	RPD	Qual
		Result	Spike	Spike									
			Conc.	Conc.	Result	Result							
n-Butylbenzene	ug/L	ND	20	20	24.5	23.5	123	117	60-140	4			
n-Propylbenzene	ug/L	ND	20	20	26.9	25.9	135	129	60-140	4			
Naphthalene	ug/L	ND	20	20	21.9	21.1	109	105	60-140	4			
o-Xylene	ug/L	ND	20	20	24.6	23.8	123	119	60-140	3			
sec-Butylbenzene	ug/L	ND	20	20	27.0	26.0	135	130	60-140	4			
Styrene	ug/L	ND	20	20	24.8	24.0	124	120	60-140	3			
tert-Butylbenzene	ug/L	ND	20	20	22.0	21.1	110	106	60-140	4			
Tetrachloroethene	ug/L	ND	20	20	24.0	23.1	120	116	60-140	4			
Toluene	ug/L	ND	20	20	24.1	23.0	120	115	60-140	4			
trans-1,2-Dichloroethene	ug/L	ND	20	20	24.6	24.1	123	120	60-140	2			
trans-1,3-Dichloropropene	ug/L	ND	20	20	22.6	21.7	113	109	60-140	4			
Trichloroethene	ug/L	ND	20	20	23.3	22.4	117	112	60-140	4			
Trichlorofluoromethane	ug/L	ND	20	20	26.8	25.5	134	128	60-140	5			
Vinyl chloride	ug/L	ND	20	20	28.0	27.2	140	136	60-140	3			
1,2-Dichloroethane-d4 (S)	%						98	99	70-130				
4-Bromofluorobenzene (S)	%						99	100	70-130				
Toluene-d8 (S)	%						100	99	70-130				

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

QUALITY CONTROL DATA

Project: Keeter Ford

Pace Project No.: 92278893

QC Batch: MSV/34635

Analysis Method: SM 6200B

QC Batch Method: SM 6200B

Analysis Description: 6200B MSV

Associated Lab Samples: 92278893002, 92278893003, 92278893004, 92278893006, 92278893007, 92278893008, 92278893009, 92278893010, 92278893011, 92278893012, 92278893013

METHOD BLANK: 1626079

Matrix: Water

Associated Lab Samples: 92278893002, 92278893003, 92278893004, 92278893006, 92278893007, 92278893008, 92278893009, 92278893010, 92278893011, 92278893012, 92278893013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	12/11/15 02:31	
1,1,1-Trichloroethane	ug/L	ND	0.50	12/11/15 02:31	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	12/11/15 02:31	
1,1,2-Trichloroethane	ug/L	ND	0.50	12/11/15 02:31	
1,1-Dichloroethane	ug/L	ND	0.50	12/11/15 02:31	
1,1-Dichloroethene	ug/L	ND	0.50	12/11/15 02:31	
1,1-Dichloropropene	ug/L	ND	0.50	12/11/15 02:31	
1,2,3-Trichlorobenzene	ug/L	ND	2.0	12/11/15 02:31	
1,2,3-Trichloropropane	ug/L	ND	0.50	12/11/15 02:31	
1,2,4-Trichlorobenzene	ug/L	ND	2.0	12/11/15 02:31	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	12/11/15 02:31	
1,2-Dibromo-3-chloropropane	ug/L	ND	1.0	12/11/15 02:31	
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	12/11/15 02:31	
1,2-Dichlorobenzene	ug/L	ND	0.50	12/11/15 02:31	
1,2-Dichloroethane	ug/L	ND	0.50	12/11/15 02:31	
1,2-Dichloropropane	ug/L	ND	0.50	12/11/15 02:31	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	12/11/15 02:31	
1,3-Dichlorobenzene	ug/L	ND	0.50	12/11/15 02:31	
1,3-Dichloropropane	ug/L	ND	0.50	12/11/15 02:31	
1,4-Dichlorobenzene	ug/L	ND	0.50	12/11/15 02:31	
2,2-Dichloropropane	ug/L	ND	0.50	12/11/15 02:31	
2-Chlorotoluene	ug/L	ND	0.50	12/11/15 02:31	
4-Chlorotoluene	ug/L	ND	0.50	12/11/15 02:31	
Benzene	ug/L	ND	0.50	12/11/15 02:31	
Bromobenzene	ug/L	ND	0.50	12/11/15 02:31	
Bromochloromethane	ug/L	ND	0.50	12/11/15 02:31	
Bromodichloromethane	ug/L	ND	0.50	12/11/15 02:31	
Bromoform	ug/L	ND	0.50	12/11/15 02:31	
Bromomethane	ug/L	ND	5.0	12/11/15 02:31	
Carbon tetrachloride	ug/L	ND	0.50	12/11/15 02:31	
Chlorobenzene	ug/L	ND	0.50	12/11/15 02:31	
Chloroethane	ug/L	ND	1.0	12/11/15 02:31	
Chloroform	ug/L	ND	0.50	12/11/15 02:31	
Chloromethane	ug/L	ND	1.0	12/11/15 02:31	
cis-1,2-Dichloroethene	ug/L	ND	0.50	12/11/15 02:31	
cis-1,3-Dichloropropene	ug/L	ND	0.50	12/11/15 02:31	
Dibromochloromethane	ug/L	ND	0.50	12/11/15 02:31	
Dibromomethane	ug/L	ND	0.50	12/11/15 02:31	
Dichlorodifluoromethane	ug/L	ND	0.50	12/11/15 02:31	
Diisopropyl ether	ug/L	ND	0.50	12/11/15 02:31	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: Keeter Ford

Pace Project No.: 92278893

METHOD BLANK: 1626079

Matrix: Water

Associated Lab Samples: 92278893002, 92278893003, 92278893004, 92278893006, 92278893007, 92278893008, 92278893009, 92278893010, 92278893011, 92278893012, 92278893013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	ND	0.50	12/11/15 02:31	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	12/11/15 02:31	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	12/11/15 02:31	
m&p-Xylene	ug/L	ND	1.0	12/11/15 02:31	
Methyl-tert-butyl ether	ug/L	ND	0.50	12/11/15 02:31	
Methylene Chloride	ug/L	ND	2.0	12/11/15 02:31	
n-Butylbenzene	ug/L	ND	0.50	12/11/15 02:31	
n-Propylbenzene	ug/L	ND	0.50	12/11/15 02:31	
Naphthalene	ug/L	ND	2.0	12/11/15 02:31	
o-Xylene	ug/L	ND	0.50	12/11/15 02:31	
sec-Butylbenzene	ug/L	ND	0.50	12/11/15 02:31	
Styrene	ug/L	ND	0.50	12/11/15 02:31	
tert-Butylbenzene	ug/L	ND	0.50	12/11/15 02:31	
Tetrachloroethene	ug/L	ND	0.50	12/11/15 02:31	
Toluene	ug/L	ND	0.50	12/11/15 02:31	
trans-1,2-Dichloroethene	ug/L	ND	0.50	12/11/15 02:31	
trans-1,3-Dichloropropene	ug/L	ND	0.50	12/11/15 02:31	
Trichloroethene	ug/L	ND	0.50	12/11/15 02:31	
Trichlorofluoromethane	ug/L	ND	1.0	12/11/15 02:31	
Vinyl chloride	ug/L	ND	1.0	12/11/15 02:31	
1,2-Dichloroethane-d4 (S)	%	101	70-130	12/11/15 02:31	
4-Bromofluorobenzene (S)	%	99	70-130	12/11/15 02:31	
Toluene-d8 (S)	%	100	70-130	12/11/15 02:31	

LABORATORY CONTROL SAMPLE: 1626080

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.3	107	60-140	
1,1,1-Trichloroethane	ug/L	50	54.0	108	60-140	
1,1,2,2-Tetrachloroethane	ug/L	50	49.2	98	60-140	
1,1,2-Trichloroethane	ug/L	50	47.9	96	60-140	
1,1-Dichloroethane	ug/L	50	49.5	99	60-140	
1,1-Dichloroethene	ug/L	50	51.8	104	60-140	
1,1-Dichloropropene	ug/L	50	51.9	104	60-140	
1,2,3-Trichlorobenzene	ug/L	50	44.2	88	60-140	
1,2,3-Trichloropropane	ug/L	50	46.7	93	60-140	
1,2,4-Trichlorobenzene	ug/L	50	46.4	93	60-140	
1,2,4-Trimethylbenzene	ug/L	50	53.9	108	60-140	
1,2-Dibromo-3-chloropropane	ug/L	50	48.6	97	60-140	
1,2-Dibromoethane (EDB)	ug/L	50	52.4	105	60-140	
1,2-Dichlorobenzene	ug/L	50	50.5	101	60-140	
1,2-Dichloroethane	ug/L	50	44.1	88	60-140	
1,2-Dichloropropane	ug/L	50	49.3	99	60-140	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.,

QUALITY CONTROL DATA

Project: Keeter Ford

Pace Project No.: 92278893

LABORATORY CONTROL SAMPLE: 1626080

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3,5-Trimethylbenzene	ug/L	50	54.6	109	60-140	
1,3-Dichlorobenzene	ug/L	50	51.8	104	60-140	
1,3-Dichloropropane	ug/L	50	49.5	99	60-140	
1,4-Dichlorobenzene	ug/L	50	49.7	99	60-140	
2,2-Dichloropropane	ug/L	50	49.6	99	60-140	
2-Chlorotoluene	ug/L	50	51.9	104	60-140	
4-Chlorotoluene	ug/L	50	52.2	104	60-140	
Benzene	ug/L	50	49.3	99	60-140	
Bromobenzene	ug/L	50	55.6	111	60-140	
Bromochloromethane	ug/L	50	50.3	101	60-140	
Bromodichloromethane	ug/L	50	53.3	107	60-140	
Bromoform	ug/L	50	38.3	77	60-140	
Bromomethane	ug/L	50	56.8	114	60-140	
Carbon tetrachloride	ug/L	50	56.7	113	60-140	
Chlorobenzene	ug/L	50	48.1	96	60-140	
Chloroethane	ug/L	50	42.9	86	60-140	
Chloroform	ug/L	50	49.3	99	60-140	
Chloromethane	ug/L	50	46.1	92	60-140	
cis-1,2-Dichloroethene	ug/L	50	48.9	98	60-140	
cis-1,3-Dichloropropene	ug/L	50	54.0	108	60-140	
Dibromochloromethane	ug/L	50	44.9	90	60-140	
Dibromomethane	ug/L	50	47.7	95	60-140	
Dichlorodifluoromethane	ug/L	50	49.7	99	60-140	
Diisopropyl ether	ug/L	50	52.7	105	60-140	
Ethylbenzene	ug/L	50	49.9	100	60-140	
Hexachloro-1,3-butadiene	ug/L	50	52.3	105	60-140	
Isopropylbenzene (Cumene)	ug/L	50	56.2	112	60-140	
m&p-Xylene	ug/L	100	104	104	60-140	
Methyl-tert-butyl ether	ug/L	50	51.9	104	60-140	
Methylene Chloride	ug/L	50	52.4	105	60-140	
n-Butylbenzene	ug/L	50	50.6	101	60-140	
n-Propylbenzene	ug/L	50	53.2	106	60-140	
Naphthalene	ug/L	50	49.4	99	60-140	
o-Xylene	ug/L	50	52.0	104	60-140	
sec-Butylbenzene	ug/L	50	54.2	108	60-140	
Styrene	ug/L	50	55.7	111	60-140	
tert-Butylbenzene	ug/L	50	44.8	90	60-140	
Tetrachloroethene	ug/L	50	47.5	95	60-140	
Toluene	ug/L	50	48.8	98	60-140	
trans-1,2-Dichloroethene	ug/L	50	49.6	99	60-140	
trans-1,3-Dichloropropene	ug/L	50	54.2	108	60-140	
Trichloroethene	ug/L	50	46.7	93	60-140	
Trichlorofluoromethane	ug/L	50	45.0	90	60-140	
Vinyl chloride	ug/L	50	51.3	103	60-140	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			100	70-130	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

QUALITY CONTROL DATA

Project: Keeter Ford

Pace Project No.: 92278893

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1626081

1626082

Parameter	Units	92278893008		MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Qual
		Result	Conc.	Spike	Spike								
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	20	23.3	22.9	117	115	60-140	2		
1,1,1-Trichloroethane	ug/L	ND	20	20	20	26.8	26.6	134	133	60-140	1		
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	20	23.0	21.0	115	105	60-140	9		
1,1,2-Trichloroethane	ug/L	ND	20	20	20	21.7	20.9	108	105	60-140	4		
1,1-Dichloroethane	ug/L	ND	20	20	20	23.8	23.5	119	118	60-140	1		
1,1-Dichloroethene	ug/L	ND	20	20	20	26.5	26.2	133	131	60-140	1		
1,1-Dichloropropene	ug/L	ND	20	20	20	26.2	25.8	131	129	60-140	1		
1,2,3-Trichlorobenzene	ug/L	ND	20	20	20	21.6	18.7	108	93	60-140	15		
1,2,3-Trichloropropane	ug/L	ND	20	20	20	22.5	19.9	113	100	60-140	12		
1,2,4-Trichlorobenzene	ug/L	ND	20	20	20	21.5	19.5	107	97	60-140	10		
1,2,4-Trimethylbenzene	ug/L	ND	20	20	20	24.8	24.1	124	121	60-140	3		
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	20	22.4	18.6	112	93	60-140	18		
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	20	23.5	22.6	118	113	60-140	4		
1,2-Dichlorobenzene	ug/L	ND	20	20	20	22.9	22.0	115	110	60-140	4		
1,2-Dichloroethane	ug/L	ND	20	20	20	20.6	20.1	102	100	60-140	2		
1,2-Dichloropropane	ug/L	ND	20	20	20	22.7	22.4	113	112	60-140	1		
1,3,5-Trimethylbenzene	ug/L	ND	20	20	20	25.7	24.8	128	124	60-140	4		
1,3-Dichlorobenzene	ug/L	ND	20	20	20	23.5	23.1	118	115	60-140	2		
1,3-Dichloropropane	ug/L	ND	20	20	20	22.6	21.6	113	108	60-140	4		
1,4-Dichlorobenzene	ug/L	ND	20	20	20	22.7	22.4	113	112	60-140	1		
2,2-Dichloropropane	ug/L	ND	20	20	20	20.7	20.9	104	105	60-140	1		
2-Chlorotoluene	ug/L	ND	20	20	20	24.6	23.9	123	120	60-140	3		
4-Chlorotoluene	ug/L	ND	20	20	20	24.1	23.8	120	119	60-140	1		
Benzene	ug/L	ND	20	20	20	23.8	23.3	119	117	60-140	2		
Bromobenzene	ug/L	ND	20	20	20	23.5	22.8	118	114	60-140	3		
Bromochloromethane	ug/L	ND	20	20	20	23.5	22.7	118	113	60-140	4		
Bromodichloromethane	ug/L	ND	20	20	20	22.7	22.7	114	114	60-140	0		
Bromoform	ug/L	ND	20	20	20	17.4	16.7	87	83	60-140	5		
Bromomethane	ug/L	ND	20	20	20	26.2	24.4	130	121	60-140	7		
Carbon tetrachloride	ug/L	ND	20	20	20	27.2	27.3	136	136	60-140	0		
Chlorobenzene	ug/L	ND	20	20	20	23.0	22.4	115	112	60-140	2		
Chloroethane	ug/L	ND	20	20	20	24.2	23.3	121	116	60-140	4		
Chloroform	ug/L	ND	20	20	20	23.0	22.9	115	115	60-140	0		
Chloromethane	ug/L	ND	20	20	20	24.1	25.0	120	125	60-140	4		
cis-1,2-Dichloroethene	ug/L	ND	20	20	20	23.4	23.2	117	116	60-140	1		
cis-1,3-Dichloropropene	ug/L	ND	20	20	20	21.9	22.1	110	111	60-140	1		
Dibromochloromethane	ug/L	ND	20	20	20	19.8	19.4	99	97	60-140	2		
Dibromomethane	ug/L	ND	20	20	20	21.8	20.9	109	104	60-140	4		
Dichlorodifluoromethane	ug/L	ND	20	20	20	25.9	25.3	129	127	60-140	2		
Diisopropyl ether	ug/L	ND	20	20	20	23.7	23.3	118	117	60-140	2		
Ethylbenzene	ug/L	ND	20	20	20	24.3	23.8	122	119	60-140	2		
Hexachloro-1,3-butadiene	ug/L	ND	20	20	20	25.2	24.5	126	123	60-140	3		
Isopropylbenzene (Cumene)	ug/L	ND	20	20	20	27.1	26.6	136	133	60-140	2		
m&p-Xylene	ug/L	ND	40	40	40	50.6	49.1	126	123	60-140	3		
Methyl-tert-butyl ether	ug/L	ND	20	20	20	23.2	22.6	116	113	60-140	3		
Methylene Chloride	ug/L	ND	20	20	20	21.6	21.5	108	108	60-140	0		

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

QUALITY CONTROL DATA

Project: Keeter Ford
Pace Project No.: 92278893

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1626081 1626082											
Parameter	Units	92278893008	MS	MSD	MS	MSD	MS	MSD	% Rec	% Rec	Qual
		Result	Spike	Spike							
			Conc.	Conc.	Result	Result			Limits	RPD	
n-Butylbenzene	ug/L	ND	20	20	23.9	22.9	119	115	60-140	4	
n-Propylbenzene	ug/L	ND	20	20	26.0	25.2	130	126	60-140	3	
Naphthalene	ug/L	ND	20	20	24.5	20.5	122	103	60-140	18	
o-Xylene	ug/L	ND	20	20	24.3	23.6	121	118	60-140	3	
sec-Butylbenzene	ug/L	ND	20	20	26.5	25.5	133	128	60-140	4	
Styrene	ug/L	ND	20	20	24.3	23.5	122	118	60-140	3	
tert-Butylbenzene	ug/L	ND	20	20	21.6	21.1	108	106	60-140	2	
Tetrachloroethene	ug/L	ND	20	20	23.2	22.5	116	113	60-140	3	
Toluene	ug/L	ND	20	20	23.7	23.4	118	117	60-140	1	
trans-1,2-Dichloroethene	ug/L	ND	20	20	24.3	24.2	122	121	60-140	1	
trans-1,3-Dichloropropene	ug/L	ND	20	20	22.4	21.8	112	109	60-140	3	
Trichloroethene	ug/L	ND	20	20	23.1	22.9	115	115	60-140	1	
Trichlorofluoromethane	ug/L	ND	20	20	26.3	25.2	132	126	60-140	4	
Vinyl chloride	ug/L	ND	20	20	26.8	26.9	134	135	60-140	0	
1,2-Dichloroethane-d4 (S)	%						101	100	70-130		
4-Bromofluorobenzene (S)	%						100	100	70-130		
Toluene-d8 (S)	%						100	101	70-130		

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

QUALITY CONTROL DATA

Project: Keeter Ford

Pace Project No.: 92278893

QC Batch: MSV/34737

Analysis Method: SM 6200B

QC Batch Method: SM 6200B

Analysis Description: 6200B MSV

Associated Lab Samples: 92278893005

METHOD BLANK: 1630543

Matrix: Water

Associated Lab Samples: 92278893005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	12/16/15 17:35	
1,1,1-Trichloroethane	ug/L	ND	0.50	12/16/15 17:35	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	12/16/15 17:35	
1,1,2-Trichloroethane	ug/L	ND	0.50	12/16/15 17:35	
1,1-Dichloroethane	ug/L	ND	0.50	12/16/15 17:35	
1,1-Dichloroethene	ug/L	ND	0.50	12/16/15 17:35	
1,1-Dichloropropene	ug/L	ND	0.50	12/16/15 17:35	
1,2,3-Trichlorobenzene	ug/L	ND	2.0	12/16/15 17:35	
1,2,3-Trichloropropane	ug/L	ND	0.50	12/16/15 17:35	
1,2,4-Trichlorobenzene	ug/L	ND	2.0	12/16/15 17:35	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	12/16/15 17:35	
1,2-Dibromo-3-chloropropane	ug/L	ND	1.0	12/16/15 17:35	
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	12/16/15 17:35	
1,2-Dichlorobenzene	ug/L	ND	0.50	12/16/15 17:35	
1,2-Dichloroethane	ug/L	ND	0.50	12/16/15 17:35	
1,2-Dichloropropane	ug/L	ND	0.50	12/16/15 17:35	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	12/16/15 17:35	
1,3-Dichlorobenzene	ug/L	ND	0.50	12/16/15 17:35	
1,3-Dichloropropane	ug/L	ND	0.50	12/16/15 17:35	
1,4-Dichlorobenzene	ug/L	ND	0.50	12/16/15 17:35	
2,2-Dichloropropane	ug/L	ND	0.50	12/16/15 17:35	
2-Chlorotoluene	ug/L	ND	0.50	12/16/15 17:35	
4-Chlorotoluene	ug/L	ND	0.50	12/16/15 17:35	
Benzene	ug/L	ND	0.50	12/16/15 17:35	
Bromobenzene	ug/L	ND	0.50	12/16/15 17:35	
Bromochloromethane	ug/L	ND	0.50	12/16/15 17:35	
Bromodichloromethane	ug/L	ND	0.50	12/16/15 17:35	
Bromoform	ug/L	ND	0.50	12/16/15 17:35	
Bromomethane	ug/L	ND	5.0	12/16/15 17:35	
Carbon tetrachloride	ug/L	ND	0.50	12/16/15 17:35	
Chlorobenzene	ug/L	ND	0.50	12/16/15 17:35	
Chloroethane	ug/L	ND	1.0	12/16/15 17:35	
Chloroform	ug/L	ND	0.50	12/16/15 17:35	
Chloromethane	ug/L	ND	1.0	12/16/15 17:35	
cis-1,2-Dichloroethene	ug/L	ND	0.50	12/16/15 17:35	
cis-1,3-Dichloropropene	ug/L	ND	0.50	12/16/15 17:35	
Dibromochloromethane	ug/L	ND	0.50	12/16/15 17:35	
Dibromomethane	ug/L	ND	0.50	12/16/15 17:35	
Dichlorodifluoromethane	ug/L	ND	0.50	12/16/15 17:35	
Diisopropyl ether	ug/L	ND	0.50	12/16/15 17:35	
Ethylbenzene	ug/L	ND	0.50	12/16/15 17:35	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

QUALITY CONTROL DATA

Project: Keeter Ford

Pace Project No.: 92278893

METHOD BLANK: 1630543

Matrix: Water

Associated Lab Samples: 92278893005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	2.0	12/16/15 17:35	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	12/16/15 17:35	
m&p-Xylene	ug/L	ND	1.0	12/16/15 17:35	
Methyl-tert-butyl ether	ug/L	ND	0.50	12/16/15 17:35	
Methylene Chloride	ug/L	ND	2.0	12/16/15 17:35	
n-Butylbenzene	ug/L	ND	0.50	12/16/15 17:35	
n-Propylbenzene	ug/L	ND	0.50	12/16/15 17:35	
Naphthalene	ug/L	ND	2.0	12/16/15 17:35	
o-Xylene	ug/L	ND	0.50	12/16/15 17:35	
sec-Butylbenzene	ug/L	ND	0.50	12/16/15 17:35	
Styrene	ug/L	ND	0.50	12/16/15 17:35	
tert-Butylbenzene	ug/L	ND	0.50	12/16/15 17:35	
Tetrachloroethene	ug/L	ND	0.50	12/16/15 17:35	
Toluene	ug/L	ND	0.50	12/16/15 17:35	
trans-1,2-Dichloroethene	ug/L	ND	0.50	12/16/15 17:35	
trans-1,3-Dichloropropene	ug/L	ND	0.50	12/16/15 17:35	
Trichloroethene	ug/L	ND	0.50	12/16/15 17:35	
Trichlorofluoromethane	ug/L	ND	1.0	12/16/15 17:35	
Vinyl chloride	ug/L	ND	1.0	12/16/15 17:35	
1,2-Dichloroethane-d4 (S)	%	96	70-130	12/16/15 17:35	
4-Bromofluorobenzene (S)	%	103	70-130	12/16/15 17:35	
Toluene-d8 (S)	%	99	70-130	12/16/15 17:35	

LABORATORY CONTROL SAMPLE: 1630544

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	49.5	99	60-140	
1,1,1-Trichloroethane	ug/L	50	51.1	102	60-140	
1,1,2,2-Tetrachloroethane	ug/L	50	47.9	96	60-140	
1,1,2-Trichloroethane	ug/L	50	45.8	92	60-140	
1,1-Dichloroethane	ug/L	50	43.7	87	60-140	
1,1-Dichloroethene	ug/L	50	46.8	94	60-140	
1,1-Dichloropropene	ug/L	50	48.0	96	60-140	
1,2,3-Trichlorobenzene	ug/L	50	52.1	104	60-140	
1,2,3-Trichloropropane	ug/L	50	45.5	91	60-140	
1,2,4-Trichlorobenzene	ug/L	50	51.1	102	60-140	
1,2,4-Trimethylbenzene	ug/L	50	50.2	100	60-140	
1,2-Dibromo-3-chloropropane	ug/L	50	58.0	116	60-140	
1,2-Dibromoethane (EDB)	ug/L	50	48.6	97	60-140	
1,2-Dichlorobenzene	ug/L	50	45.8	92	60-140	
1,2-Dichloroethane	ug/L	50	46.2	92	60-140	
1,2-Dichloropropane	ug/L	50	44.5	89	60-140	
1,3,5-Trimethylbenzene	ug/L	50	50.0	100	60-140	
1,3-Dichlorobenzene	ug/L	50	47.8	96	60-140	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

QUALITY CONTROL DATA

Project: Keeter Ford

Pace Project No.: 92278893

LABORATORY CONTROL SAMPLE: 1630544

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	44.7	89	60-140	
1,4-Dichlorobenzene	ug/L	50	45.2	90	60-140	
2,2-Dichloropropane	ug/L	50	51.8	104	60-140	
2-Chlorotoluene	ug/L	50	47.4	95	60-140	
4-Chlorotoluene	ug/L	50	47.4	95	60-140	
Benzene	ug/L	50	45.0	90	60-140	
Bromobenzene	ug/L	50	50.3	101	60-140	
Bromochloromethane	ug/L	50	46.2	92	60-140	
Bromodichloromethane	ug/L	50	48.4	97	60-140	
Bromoform	ug/L	50	41.3	83	60-140	
Bromomethane	ug/L	50	37.6	75	60-140	
Carbon tetrachloride	ug/L	50	52.5	105	60-140	
Chlorobenzene	ug/L	50	43.8	88	60-140	
Chloroethane	ug/L	50	39.0	78	60-140	
Chloroform	ug/L	50	43.4	87	60-140	
Chloromethane	ug/L	50	37.1	74	60-140	
cis-1,2-Dichloroethene	ug/L	50	44.4	89	60-140	
cis-1,3-Dichloropropene	ug/L	50	51.6	103	60-140	
Dibromochloromethane	ug/L	50	45.8	92	60-140	
Dibromomethane	ug/L	50	46.5	93	60-140	
Dichlorodifluoromethane	ug/L	50	46.9	94	60-140	
Diisopropyl ether	ug/L	50	46.0	92	60-140	
Ethylbenzene	ug/L	50	46.0	92	60-140	
Hexachloro-1,3-butadiene	ug/L	50	58.6	117	60-140	
Isopropylbenzene (Cumene)	ug/L	50	52.4	105	60-140	
m&p-Xylene	ug/L	100	94.6	95	60-140	
Methyl-tert-butyl ether	ug/L	50	47.7	95	60-140	
Methylene Chloride	ug/L	50	47.7	95	60-140	
n-Butylbenzene	ug/L	50	50.9	102	60-140	
n-Propylbenzene	ug/L	50	47.6	95	60-140	
Naphthalene	ug/L	50	57.6	115	60-140	
o-Xylene	ug/L	50	47.1	94	60-140	
sec-Butylbenzene	ug/L	50	51.9	104	60-140	
Styrene	ug/L	50	49.0	98	60-140	
tert-Butylbenzene	ug/L	50	42.5	85	60-140	
Tetrachloroethene	ug/L	50	43.5	87	60-140	
Toluene	ug/L	50	44.5	89	60-140	
trans-1,2-Dichloroethene	ug/L	50	45.5	91	60-140	
trans-1,3-Dichloropropene	ug/L	50	45.6	91	60-140	
Trichloroethene	ug/L	50	46.0	92	60-140	
Trichlorofluoromethane	ug/L	50	37.9	76	60-140	
Vinyl chloride	ug/L	50	47.8	96	60-140	
1,2-Dichloroethane-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			100	70-130	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

QUALIFIERS

Project: Keeter Ford

Pace Project No.: 92278893

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-C Pace Analytical Services - Charlotte

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Keeter Ford

Pace Project No.: 92278893

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92278893001	DMW-1	SM 6200B	MSV/34634		
92278893002	MW-10	SM 6200B	MSV/34635		
92278893003	MW-1A	SM 6200B	MSV/34635		
92278893004	MW-2	SM 6200B	MSV/34635		
92278893005	MW-3	SM 6200B	MSV/34737		
92278893006	MW-6	SM 6200B	MSV/34635		
92278893007	MW-7	SM 6200B	MSV/34635		
92278893008	MW-9	SM 6200B	MSV/34635		
92278893009	RW-1	SM 6200B	MSV/34635		
92278893010	RW-2	SM 6200B	MSV/34635		
92278893011	RW-3	SM 6200B	MSV/34635		
92278893012	RW-4	SM 6200B	MSV/34635		
92278893013	TRIP BLANK	SM 6200B	MSV/34635		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.



Document Name:
Sample Condition Upon Receipt (SCUR)
Document Number:
F-CHR-CS-003-rev.16.1

Document Revised: November 17, 2013
Page 1 of 2*
Issuing Authority:
Pace Huntersville Quality Office

Client Name: Shield

* Page 2 of 2 is for Internal Use Only

Courier: ☐ Fed Ex ☐ UP ☐ USP ☐ Clier ☐ 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: IR Gun T1505

Type of Ice: Wet Blue None ☐ Samples on ice, cooling process has begun

Temp Correction Factor No Correction

Corrected Cooler Temp.: 4.2 °C

Biological Tissue Is Frozen: Yes No ☒ N/A

Date and Initials of person examining contents: AP 12-8-15

Temp should be above freezing to 6°C

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: <u>WV</u>		
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	
Samples checked for dechlorination:	☒ Yes ☐ No ☐ N/A	14.
Headspace in VOA Vials (>6mm):	☒ Yes ☐ No ☐ N/A	15.
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	16.
Trip Blank Custody Seals Present	☒ Yes ☐ No ☐ N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review:

SRF Review:

Date: 12-8-15

Date: 12-10-15

WO#: 92278893



92278893

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



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A

Required Client Information:

Company: Shield
Address: 4301 Taggart Creek Road
Charlotte, NC 28208
Email: fdsouza@shieldengineering.com
Phone: (704)519-5054 Fax:
Requested Due Date:

Section B

Required Project Information:

Report To: Flora D'Souza
Copy To:
Purchase Order #:
Project Name: Keeter Ford
Project #:

Section C

Invoice Information:

Attention:
Company Name:
Address:
Pace Quote:
Pace Project Manager: nicole.gasiorowski@pacelabs.com,
Pace Profile #: 744-1

Page : 1 Of 2

Regulatory Agency

State / Location

NC

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Other Tissue	CODE DW WT WW P SL OL WP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N	Requested Analysis Filtered (Y/N)																Residual Chlorine (Y/N)	92278893																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
												Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
						START		END																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
						DATE	TIME	DATE	TIME																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
1	DMW-1			WT					12-4	1510	4					4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
TRUST FUND PROJECT	Roberta D Tinnel	12-4-15	17:05	James	12-8-15	1335				
	James	12-8-15	1457	James	12-8-15	1515	✓	✓	✓	✓

SAMPLER NAME AND SIGNATURE		TEMP in C	Received on Ice (Y/N)	Custody Sealed (Y/N)	Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Roberta D Tinnel						
SIGNATURE of SAMPLER: [Signature]						
DATE Signed: 12-14-15						

Page 51 of 51

APPENDIX B



ADVANCED
ENVIRONMENTAL SERVICES, INC.
"Your Environmental Solutions Partner"

MOBILE MULTI-PHASE EXTRACTION REPORT

Site Location:

Keeter Ford
1775 E. Dixon Blvd.
Mount Holly, North Carolina

Prepared for:

Shield Engineering
4301 Taggart Creek Rd.
Charlotte, North Carolina 28208
PM – Flora D'Souza

November 4, 2015

TABLE OF CONTENTS

EVENT SUMMARY

MMPE FIELD LOG

MASS-REMOVAL CALCULATION

FIELD NOTES

DISPOSAL MANIFEST

MOBILE MULTI-PHASE EXTRACTION EVENT SUMMARY

November 4, 2015

Location: Keeter Ford
1775 E. Dixon Blvd.
Mount Holly, North Carolina

Client: Shield Engineering
4301 Taggart Creek Rd.
Charlotte, North Carolina 28208

Event Dates: October 26 - 30, 2015
Advanced Job # 10 - 1590

Advanced Personnel: Jonathan Kerr and Scott Crook

MMPE System: MMPE system rated 130 CFM at 21.0" hg
4' discharge stack - 2" diameter
5,500 - gallon tanker
Approximately 50' of 2" hose to 2 wells

Extraction Well: DMW-1 and RW-1

Well	Initial FP/WL(ft)	Final FP/WL(ft)	Stinger depth(ft)	Run Time
DMW-1	23.96	25.41	24/25	96.0 hours
RW-1	23.42/23.43	27.14	24/26	96.0 hours

Description of Event:

The MMPE event ran from 11:00 October 26, through 11:00 October 30, 2015. The MMPE system was active for **96.0 hours**. During the event vacuum at the recovery pump ranged from 16.5 to 17.5 inches of mercury (hg) and stabilized at approximately **17.0 inches of mercury**. Airflow rates ranged from 3,600 to 3,700 feet per minute and stabilized at **3,600 feet per minute**. System temperature ranged from 98.0 – 116.0 degrees (F) and humidity maintained 99.0 percent. Field gauged volatile organic compounds (VOC's) decreased from **1,100 parts per-million (PPM)** to **400 (PPM)** throughout the event.

Groundwater / Product Mix Recovered:

During the event a total of **4,427 gallons of product/water mix** were removed from the site and properly disposed at a certified North Carolina disposal facility. Total fluids recovered, was measured based on stick readings conducted during and following the event. Based on **96.0 hours** of operation and a total of **4,427 gallons** recovered, the average groundwater recovery rate was calculated to be approximately **46.11 gallons per hour**.

Events Results:

Based on mass-removal calculations **10.35 pounds or 1.68 gallons of VOC's** were removed as vapor. Using Dwyer Magnehelic gauges, vacuum influence (inches of water) was measured at monitoring points MW-2, MW-3 and, MW-9. **Vacuum influence was observed in MW-2, MW-3 and MW-9 at 1.10, 1.60 and 0.20 inches of water respectively. Draw-down was observed in MW-2, MW-3 and MW-9 at 0.08, 0.33 and 0.48 feet respectively.** Following the event, **no free product was identified in any well.**

CLIENT: Shield Engineering
JOB NAME: Keeter Ford
LOCATION: Mount Holly, NC
MMPE EVENT DATES: October 26 - 30, 2015
EXTRACTION POINTS: DMW-1, RW-1
AES JOB NUMBER: 10 - 1590

DATE	TIME	FLOW (f/m)	HUM. (%)	TEMP. (F)	VOC's (ppm)	VAC. (hg")	GALLONS	STINGER/WL's	EXTRACTION POINTS (hg")		
									DMW-1	RW-1	
								Stinger(ft)	24'/25'	24'/26'	
Start	11:00							Initial WL's	23.96	23.42/23.43	
10/26/15	12:00	3,700	99.0	98	1,100	16.5			14.0	13.0	
	17:00	3,600	99.0	114	900	17.0	300 gal.		15.0	13.0	
10/27/15	9:00	3,600	99.0	110	700	17.5	990 gal.		15.5	13.5	
	15:00	3,600	99.0	114	700	17.5			15.5	13.5	
10/28/15	8:00	3,600	99.0	108	600	17.5	2,070 gal.		15.0	13.0	
	14:00	3,600	99.0	116	600	17.5			15.0	13.0	
10/29/15	8:00	3,600	99.0	112	500	17.0	3,120 gal.		15.0	13.0	
	14:00	3,600	99.0	116	400	17.0			15.5	13.5	
10/30/15	8:00	3,600	99.0	108	400	17.0	4,200 gal.		15.0	13.0	
	10:30	3,600	99.0	116	400	17.0			15.0	13.0	
End	11:00							Final WL's	25.41	27.14	
					Total fluids:		4,427 gal.				
					Total free product:		0 gal.				

[illegible]

MOBILE MULTI-PHASE EXTRACTION EVENT											
SITE NAME: KEETER FORD					CLIENT: SHIELD ENGINEERING						
INCIDENT NUMBER: 10 - 1590											
AVERAGE DEPTH TO GROUNDWATER: 23 - 24 feet											
DESCRIBE SOIL IN THE SATURATED ZONE:											
AVERAGE HYDRAULIC CONDUCTIVITY (if known):											
EXTRACTION WELLS USED FOR MMPE: DMW-1, RW-1											
SPECIFICATIONS OF THE MMPE SYSTEM (cfm @ in Hg): 130 cfm @ 21.0"Hg											
DRY STANDARD CUBIC FEET PER MINUTE (DSCFM) AIR FLOW CALCULATIONS (Qstd)											
Date	Hours	Vacuum (Inches of Hg)	Velocity (ft/min)	Pipe ID (in)	Temp (°F)	Rel Humid (%)	Water Vapor (Wt%)	Water Vapor (Vol%)	Q _{std} (flow)		
10/26/15	24.00	16.75	3650.00	2	106	99.0	0.051	0.076	69		
10/27/15	48.00	17.50	3600.00	2	112	99.0	0.062	0.090	66		
10/28/15	72.00	17.50	3600.00	2	112	99.0	0.062	0.090	66		
10/29/15	96.00	17.00	3600.00	2	113	99.0	0.064	0.093	66		
10/30/15											
NOTES											
Qstd = Flow at DSCFM											
Vacuum = The level of vacuum being applied should be recorded from the MMPE system (inches of Hg)											
Velocity = The rate at which air flows is measured at the blower discharge piping (anemometer or pitot tube)											
Pipe ID = The inside diameter of the blower discharge piping (from the MMPE system)											
Temperature = The temperature of the air stream exiting the blower discharge piping (dry bulb temp., in deg.°F)											
Relative humidity = The % relative humidity of the air stream exiting the blower discharge piping											
B _{ws} = water vapor % by weight, i.e., pounds of water per pound of dry air, derived from the Psychrometric chart (temp Vs relative humidity)											
B _{ws} = water vapor % by volume											
EQUATIONS											
B _{ws} = (B _{ws} /18 lb-mole H ₂ O)/[(1/28.84 lb-mole dry air) + (B _{ws} /18 lb-mole H ₂ O)]											
Q _{std} = (1-Water Vapor) * velocity * (Pi * (diameter/24) ²) * (528°R/(Temp + 460))											
EMISSION CALCULATIONS											
Elapsed Time (hour)	Flow (DSCFM)	PPM _{measured} (ppm)	PPM _{wet}	PPM _{dry}	K (#C - gas)	PPM _{carb}	C _{gm} (mg/dsm ³)	C _e (lb/dscf)	PMR _e (lb/hour)	PMR _g (lb/hour)	PMR (lb)
24	69	1000	1000	1082	1	1082	540	3.36955E-05	0.14	0.16	3.86
48	66	700	700	770	1	770	384	2.39712E-05	0.09	0.11	2.63
72	66	600	600	660	1	660	329	2.05467E-05	0.08	0.09	2.26
96	66	425	425	469	1	469	234	1.45964E-05	0.06	0.07	1.60
Total emissions in pounds										10.35	
Total emissions as gallons (pounds / 6.152)										1.68	
NOTES											
PPM _{measured} = Actual measurements (ppm) taken with a OVA or TVA at the blower discharge piping											
PPM _{wet} = "wet" concentration											
PPM _{dry} = "dry" concentration											
K = Number of carbons in calibration gas: (Methane K = 1, or Propane K = 3, or Hexane K = 6)											
PPM _e = PPM _v , Volumetric concentration of VOC emissions as carbon, dry basis at STP											
C _{gm} = mg/dsm ³ , mass concentration of VOC emissions as carbon											
M _e = 12.01 mg/mg-mole, molecular weight of carbon											
K _s = 24.07 dsm ³ /10 ⁶ mg-mole, mass to volume conversion factor at STP											
C _e = lb/dscf, mass concentration of VOC emissions as carbon, dry basis at STP											
PMR _e = lb/hr, pollutant mass removal rate of VOC's as carbon											
PMR _g = lb/hr, pollutant mass removal rate of of VOC's as gasoline											
PMR = lb, pollutant mass removal of VOC's as gasoline											
EQUATIONS											
PPM _{wet} = PPM _{measured}											
PPM _{dry} = (PPM _{wet})/(1-B _{ws})											
PPM _e = (PPM _{dry})(K)											
C _{gm} = (PPM _e)(M _e / K _s)											
C _e = (C _{gm})(62.43x10 ⁻⁶ lb-m ³ /mg-ft ³)											
PMR _e = (C _e)(Q _{std})(60 minute/hour)											
PMR _g = (PMR _e)(M _g /M _e)											
PMR = (PMR _g)(#hours)											

MMPE Field Log

Client: SHIELD ENG.
Site Name: FORMER KEETER FORD
Extraction Wells: DMW-1, RW-1
10-26-15

Job Number: 10-1590
Event Dates: 10/26 - 10/30/15
SHELBY, NC

10:15 SCOTT + JOHNNY WITH AES ON SITE - JOANNA WITH SHIELD ON SITE - SPOT TANKER - SPOT EQUIPMENT - GAUGE ALL WELLS ADAPT TO 6" WELL ON RW-1 - SET STINGERS AT 24' - ADD AIR BLEEDS TO BOTH WELLS - SECURE SITE WITH CONES, BARRICADES + CAUTION TAPE -
11:00 START MMPE EVENT - ✓ ALL LINES + CONN OK - OPEN SLIGHT AIR BLEED ON BOTH DMW-1 + RW-1 -
12:00 TAKE SYS READINGS - PRIME DISCHARGE PUMP - OFF SITE
17:00 ON SITE - ✓ ALL LINES + CONN OK - STICK TANKER - FUEL GENERATOR - TAKE SYS READINGS - OFF SITE
10-27-15
9:00 ON SITE - ✓ ALL LINES + CONN OK - STICK TANKER - FUEL GENERATOR - TAKE SYS READINGS - GAUGE MW'S + ✓ FOR VAC INFLU - SECURE SITE - OFF SITE
15:00 ON SITE - STICK TANKER - TAKE SYS READINGS - OFF SITE
21:00 ON SITE - SYS RUNNING WELL - OFF SITE
10-28-15
8:00 ON SITE - ✓ ALL LINES + CONN OK - STICK TANKER - FUEL GENERATOR - TAKE SYS READINGS - DROP STINGER TO 25' ON DMW-1 + 20' ON RW-1 - GAUGE MW'S + ✓ FOR VAC INFLU - OFF SITE
14:00 ON SITE - STICK TANKER - TAKE SYS READINGS - ADD OIL TO GENERATOR - OFF SITE
20:00 ON SITE - ✓ ALL LINES + CONN OK - OFF SITE
10-29-15
8:00 ON SITE - ✓ ALL LINES + CONN OK - STICK TANKER - FUEL GENERATOR - GAUGE MW'S + ✓ FOR VAC INFLU - TAKE SYS READINGS - SECURE SITE - OFF SITE
14:00 ON SITE - STICK TANKER - TAKE SYS READINGS - OFF SITE
20:30 ON SITE - ✓ ALL LINES + CONN OK - OFF SITE
10-30-15
8:00 ON SITE - ✓ ALL LINES + CONN OK - STICK TANKER - TAKE SYS READINGS - OFF SITE
10:00 ON SITE - JOANNA WITH SHIELD ON SITE - JOHNNY WITH AES ON SITE - PREP FOR MMPE SHUTDOWN
10:30 TAKE SYS READINGS - GAUGE MW'S + ✓ FOR VAC INFLU
11:00 SHUTDOWN MMPE EVENT - GAUGE, CLOSE, + SECURE ALL WELLS - REMOVE ALL CONES, BARRICADES, + CAUTION TAPE FROM SITE - ZEBRA PUMP OFF 4,427 GALLONS - ZEBRA, SHIELD, + AES OFF SITE

MATERIAL MANIFEST

EMERGENCY PHONE NO.
(336) 841-5276

POST OFFICE BOX 357
HIGH POINT, NC 27261

TEL (336) 841-5276
FAX (336) 841-5509



Manifest Document No.

Page of

Zebra Job No.

51976

GENERATOR INFORMATION

Name Advanced		US EPA ID No.
Street Address 1775 East Dixon Drive Shelby NC	Mailing Address	Phone No. 336 260 4503
		Contact Scott

DESCRIPTION OF MATERIALS

HM	USDOT Proper Shipping Name (Complete All Items for Hazardous Materials)	Hazard Class or Div	UN / NA ID No.	Packing Group	Containers Qty. Type	Total Quantity	Unit Wt./Vol.
a.	non HAZ liquids	/	/	/	1 TT	427	G
b.							
c.							

ADDITIONAL INFORMATION	ERG No.	Zebra Profile Code	Facility Use
a.			
b.			
c.			

GENERATOR'S CERTIFICATION

This is to certify that the above-described materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. I further certify that none of the materials described above are a hazardous waste as defined by EPA 40 CFR Part 261 or any applicable state law, and unless specifically identified above, the materials contain less than 1,000 ppm total halogens and do not contain quantifiable levels (2 ppm) of PCBs as defined by EPA 40 CFR Parts 279 and 761.

Printed / Typed Name Scott Crook	Signature Y. Scott Crook	Mo. / Day / Yr. 10-30-15
--	------------------------------------	------------------------------------

TRANSPORTER INFORMATION

Transporter Zebra Environmental & Industrial Services Inc		I hereby acknowledge receipt of the above-described materials for transport from the generator site listed above.	
Address 901 East Springfield Road High Point, NC 27263		Signature Rahel	Shipment Date 10/30/15
Transporter or EPA ID No.	NCO991302669	I hereby acknowledge receipt of the above-described materials were received from the generator site and were transported to the facility listed below.	
Phone	(336) 841-5276	Signature Rahel	Delivery Date 10/30/15

FACILITY INFORMATION

Facility Zebra Environmental & Industrial Services, Inc.		I hereby acknowledge receipt of the materials covered by this manifest except for any discrepancy noted below.	
Address 901 East Springfield Road High Point, NC 27263		Signature David Tedder	Receipt Date 10/30/15
Facility or EPA ID No.	NCO991302669	Discrepancies / Routing Codes / Handling Methods	
Phone	(336) 841-5276	a.	
Contact	David Tedder	b.	
		c.	

ORIGINAL - Facility Retain COPY 2 - Return to Generator COPY 3 - Transporter Retain COPY 4 - Generator Retain