

**MONITORING REPORT
TIMES TURNAROUND #39
6751 WILKINSON BOULEVARD
GASTON COUNTY, NORTH CAROLINA
FACILITY I.D. #0-0212991
SITE RANKING: H245D
SHIELD NUMBER: 1040063
May through November 2014**

Responsible Party:
Times Oil Corporation
1500 East Main Street
Lincolnton, NC 28092

Contact:

David Boyd
(704) 735-3092

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

Contact:

Flora D'Souza
(704) 394-6913

Property Owner:
Southern Benedictine Society
100 Belmont – Mt. Holly Road
Belmont, NC 28012

Contact:

Brother Anthony Swofford
(704) 461-6673

Site Risk Classification: High

Release Discovered: April 3, 2004

Land Use Category: Commercial


Quantity Released: Approximately 3,900 gallons of gasoline

Site Latitude: 35° 15' 6.5"


Suspected Release Source(s): UST system

Site Longitude: 81° 01' 42.7"

Release Cause: Submersible pump malfunction caused release from the pump above the 15,000-gallon gasoline UST manhole containment area.


Flora J. D'Souza
Project Manager




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

December 19, 2014



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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 NCDENR to be Monitored and Sampled per NORR
Monitoring Wells	8 (MW-1 through MW-7 and DMW-1)	8 ⁽¹⁾ (MW-1 through MW-7 and DMW-1)
Recovery Wells	4 (RW-1 through RW-4)	4 ⁽¹⁾ (RW-1 through RW-4)

NOTES:

(1) Individual wells identified by NCDENR for specific sampling as approved on Pre-Approval Task Authorization 27732-28.

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

1.2.1 **Date(s) of Sampling Event:** November 25, 2014

1.2.2 **Existing Area Receptors:**

- 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), Figure(s) and Appendix:

Refer to Table(s): Table 2

Refer to Figure(s): Figure 4

- Current groundwater flow direction is generally towards the south.

1.2.4 Free Product:

- Free Product Detected during this Reporting Period?: Although measurable liquid phase hydrocarbon (LPH) was detected in RW-2 at thicknesses ranging from 0.01 feet on August 20, 2014 to 1.4 feet on August 8, 2014, it was not measured on numerous subsequent site visits from August 25 through December 4, 2014.
- Free Product Thickness Data is included in the following Table(s) and Appendix:
Refer to Table(s): Tables 3 and 4
Refer to Graph(s): Graphs of LPH vs. Time
Refer to Appendix: Appendix A
- Free Product Plume Size and Location: Figures 5 through 11
- Proximity of Plume to Nearest Receptor: Not Applicable
- Free Product Recovered during this Period: 1.54 gallons of free product was recovered during this period. Between May 31, 2014 and December 4, 2014, sixteen (16) site visits were made to place and/or remove absorbent socks in RW-2. Approximately 0.94 gallons of free product was removed via absorbent socks. During several visits free product was bailed and approximately 0.6 gallons of free product was removed from RW-2 via hand bailing. An additional 13.46 gallons of product was removed as vapor during the MMPE event conducted between October 27 and 31, 2014. See Table 3 for Summary of Historical LPH Thickness and Recovery Data and Table 4 for Passive LNAPL Recovery Data (RW-2).
- Free Product Recovery Method: Absorbent socks (May 31, June 3, June 17, July 3, July 9, July 22, August 8, August 20, August 25, August 28, September 3, September 15, September 18, September 24, October 27, November 25, and December 4, 2014) and an MMPE event from October 27 through 31, 2014.

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 (MW-1 through MW-7 and DMW-1)	<ul style="list-style-type: none"> EPA Methods 6200B (+MTBE, IPE, total xylenes)
Recovery Wells	4 (RW-1, RW-3, and RW-4)	<ul style="list-style-type: none"> EPA Methods 6200B (+MTBE, IPE, total xylenes)

- 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 5
Refer to Appendix: Appendix B

- Historical Groundwater Analytical Data:

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

Refer to Table(s): Table 6
Refer to Graph(s): Graphs of Concentrations/Hydrographs vs. Time

- Dissolved Phase Plume Size and Location:

The dissolved phase benzene plume has an approximate length of 105 feet and width of 50 feet. The constituents of concern plumes are located as shown on the following Figures.

Refer to Figure(s): Figure 5 through Figure 11

- Proximity of Plume to Nearest Receptor(s):

An unnamed tributary to Catawba River is approximately 200 feet to the southwest of the dissolved phase benzene plume.

- 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, Table 5, and Table 6

Refer to Figure(s): Figure 4 through Figure 11

1.2.6 Other Field Data Collected:

- No other field data was collected during this event.

2.0 DISCUSSION OF REMEDIATION ACTIVITIES

Based on the approval from the NCDENR of Pre-Approval Task Authorization 27732-28, mobile multi-phase extraction (MMPE) event was conducted at the Times Turnaround #39 site.

- The MMPE event was conducted from October 27 through 31, 2014. Advanced Environmental Services, Inc. of Greensboro, North Carolina conducted the MMPE event on wells RW-1 and RW-2. The location of all site monitoring wells is illustrated on Figure 2.
- The October 27 – 31, 2014 event was conducted for 96 hours on RW-1 and RW-2.
- During the October 2014 MMPE event 2,670 gallons of contaminated groundwater and product mix were removed from the site. The average groundwater recovery rate for the event was calculated to be approximately 27.81 gallons per hour. No measurable free product was recovered as liquid during the October MMPE event. Based on mass-removal calculations (Advanced Environmental Services, Inc., 2002), an additional 13.46 gallons of product was removed as vapor in October 2014.
- A total of 1.54 gallons of free product was recovered from RW-2 during this period. Between May 31, 2014 and December 4, 2014, sixteen (16) site visits were made to place and/or remove absorbent socks in RW-2. Approximately 0.94 gallons of free product was removed via absorbent socks. During several visits free product was bailed and approximately 0.6 gallons of free product was removed from RW-2 via hand bailing.
- Air sparging was conducted in deep monitoring well DMW-1 during the MMPE events.
- A copy of the MMPE Report submitted to Shield Engineering, Inc. by Advanced Environmental Services, Inc. has been included in Appendix A.

3.0 CONCLUSIONS AND RECOMMENDATIONS

3.1 Progress of Clean-up/Plume Status:

- Although measurable liquid phase hydrocarbon (LPH) was detected in RW-2 at thicknesses ranging from 0.01 feet on August 20, 2014 to 1.4 feet on August 8, 2014, it was not measured on numerous subsequent site visits from August 25 through December 4, 2014.
- Dissolved phase petroleum constituent compounds were detected in concentrations above 15A NCAC 2L .0202 (2L Standards) in MW-4, MW-6, MW-7, RW-1, RW-2, and RW-4 during this period.
- Dissolved phase petroleum constituent compounds were below the gross contaminant levels (GCLs) in all of the wells sampled during this period.
- Dissolved phase petroleum constituent compound concentrations have generally decreased in MW-3, MW-4, MW-6, RW-1, and RW-2 and increased in MW-2, MW-7, RW-3, and RW-4 since the last sampling event in April 2014 or the October 2013 sampling event for RW-2.
- Approximately 1.54 gallons of product have been removed via absorbent socks and hand bailing for this reporting period and an additional 13.46 gallons of product was removed as vapor during the MMPE event in October 2014. A total of 1,296.39 gallons (sum of Tables 3 and 4) since product removals began in April 2004.

3.2 Recommendations:

At this time, Shield recommends a risk reduction for the site to allow closure via a Notice of Residual Petroleum (NORP) for the following reasons:

- There has not been a measureable thickness of free product present in RW-2 from August 25 through December 4, 2014 and the dissolved phase concentrations noted in RW-2 during the current and previous sampling events are far below levels indicative of free product indicating a weathered petroleum residual material is remaining.
- The dissolved phase plume is below GCLs and has been below GCLs since October 2012, the last sampling event when benzene was detected above GCLs was in April 2012.
- The only receptor of concern for this release is the unnamed tributary 200 feet from the source area and the fate and transport modeling presented in the CAP clearly demonstrated that the original dissolved phase plume constituent concentrations, which were significantly higher (orders of magnitude for some), would not impact this water receptor above 2L Standards.
- The remaining petroleum constituents in groundwater at the site should not impact receptors of concern above 2L Standards which are below 10 times the 2B Standards; and concentrations have remained below GCLs for four consecutive sampling events.

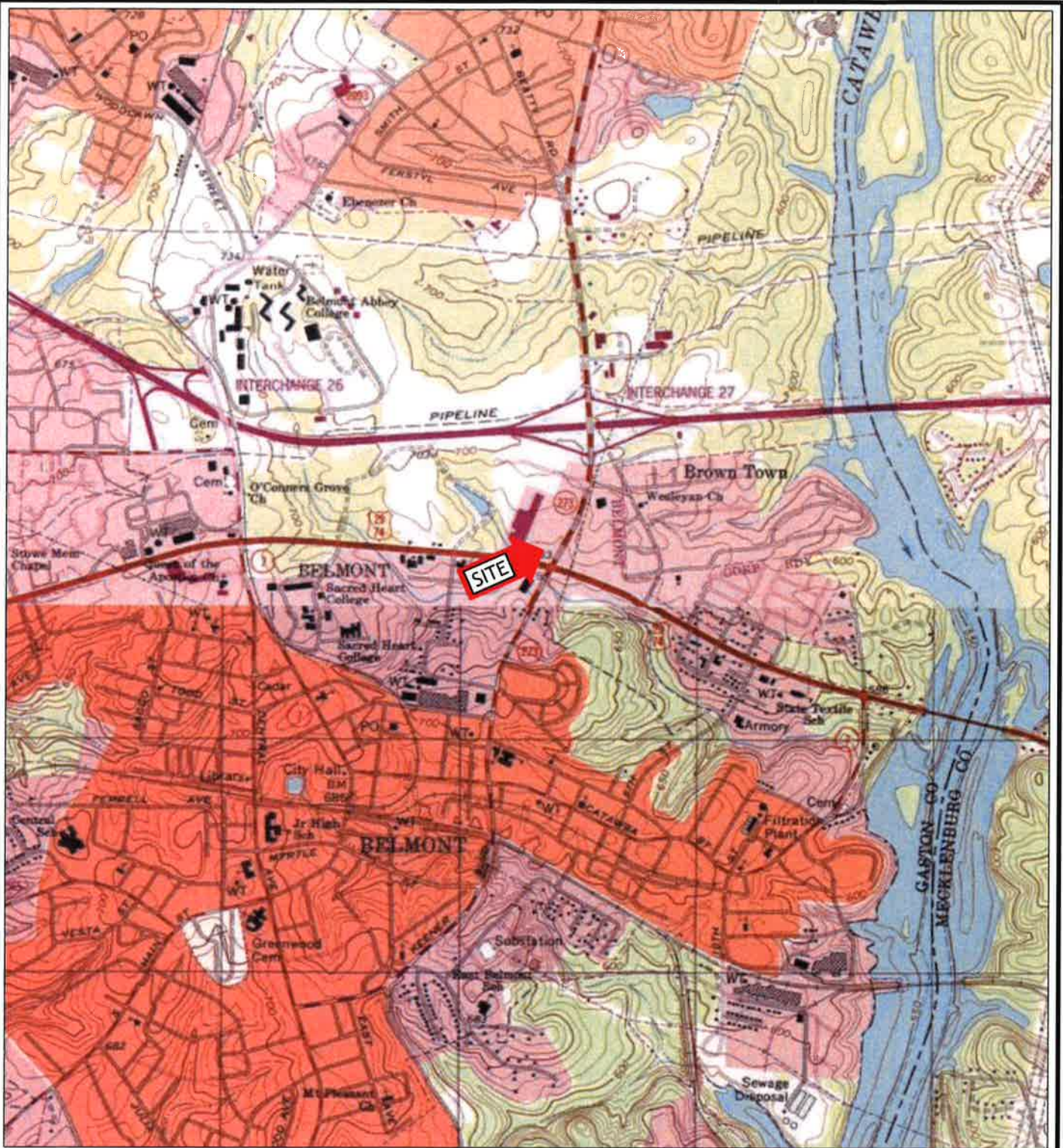
4.0 LIMITATIONS

Shield has performed environmental services at the subject site on behalf of Times Oil Corporation. 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.

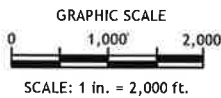
The report has been prepared for the exclusive use by Times Oil Corporation. All recommendations, findings, and conclusions made by Shield have been made to the best of Shield's knowledge, opinion, and belief, based upon information obtained during this scope of work and is limited by the scope nature and type of services as agreed upon between Times Oil Corporation 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 Times Oil Corporation, 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. 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



H:\PROJECTS\2004\1040063 TIMES TURNAROUND #39\FIGURES\1040063SL_05-27-08



SHIELD
ENGINEERING, INC.

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

SITE LOCATION MAP

TIMES TURNAROUND #39
6751 WILKINSON BOULEVARD
BELMONT, GASTON COUNTY, NORTH CAROLINA
SHIELD # 1040063

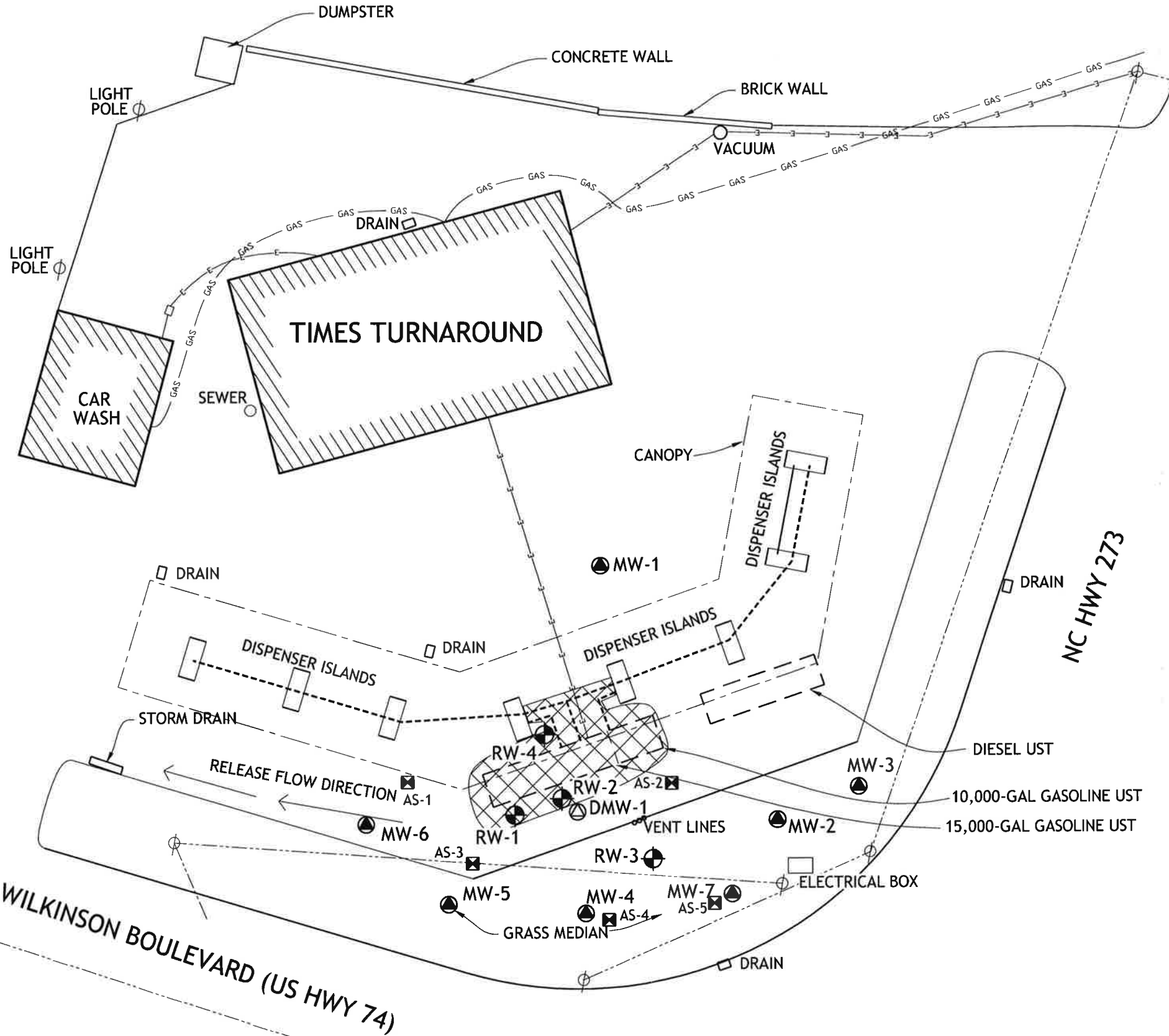
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DRAWN BY : RBS

SCALE : AS SHOWN

FIGURE : 1

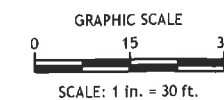
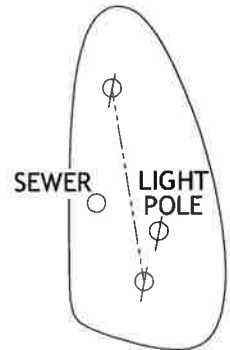
SOURCE: NATIONAL GEOGRAPHIC USGSTOPO, 7.5 MINUTE MAP SERIES, GASTON COUNTY, NORTH CAROLINA.



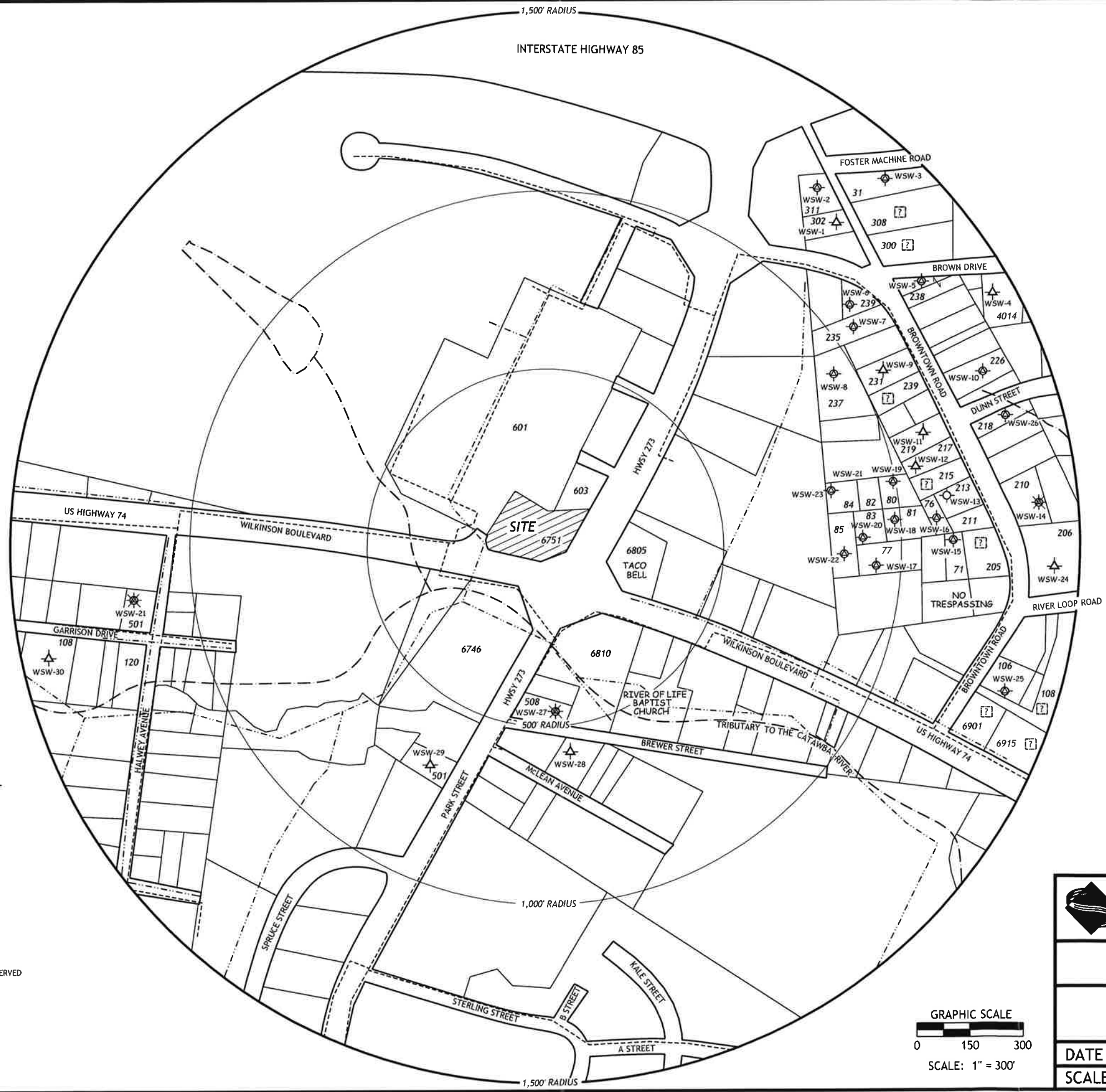
LEGEND:

- OVERHEAD UTILITIES AND POLE
- UNDERGROUND POWER LINE
- GAS LINE
- PRODUCT PIPING
- RECOVER WELL
- MONITORING WELL
- DEEP WELL
- AIR SPARGE WELL
- UNDERGROUND STORAGE TANK
- APPROXIMATE EXTENT OF GRAVEL BACKFILL










NOTES:
 1- SITE MAP BASED ON SHIELD PERSONNEL FIELD MEASUREMENTS.
 2- ALL LOCATIONS ARE APPROXIMATE.



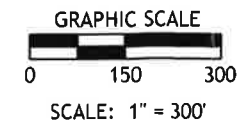
<p>4301 TAGGART CREEK ROAD CHARLOTTE, NC 28208 704-394-8913 704-394-8968 fax www.shieldengineering.com</p>	
<p>SITE MAP</p>	
<p>TIMES TURNAROUND #39 6751 WILKINSON BOULEVARD BELMONT, GASTON COUNTY, NORTH CAROLINA SHIELD # 1040063</p>	
DATE :	12/11/14
SCALE :	AS SHOWN
DRAWN BY :	RBS
FIGURE :	2



LEGEND:

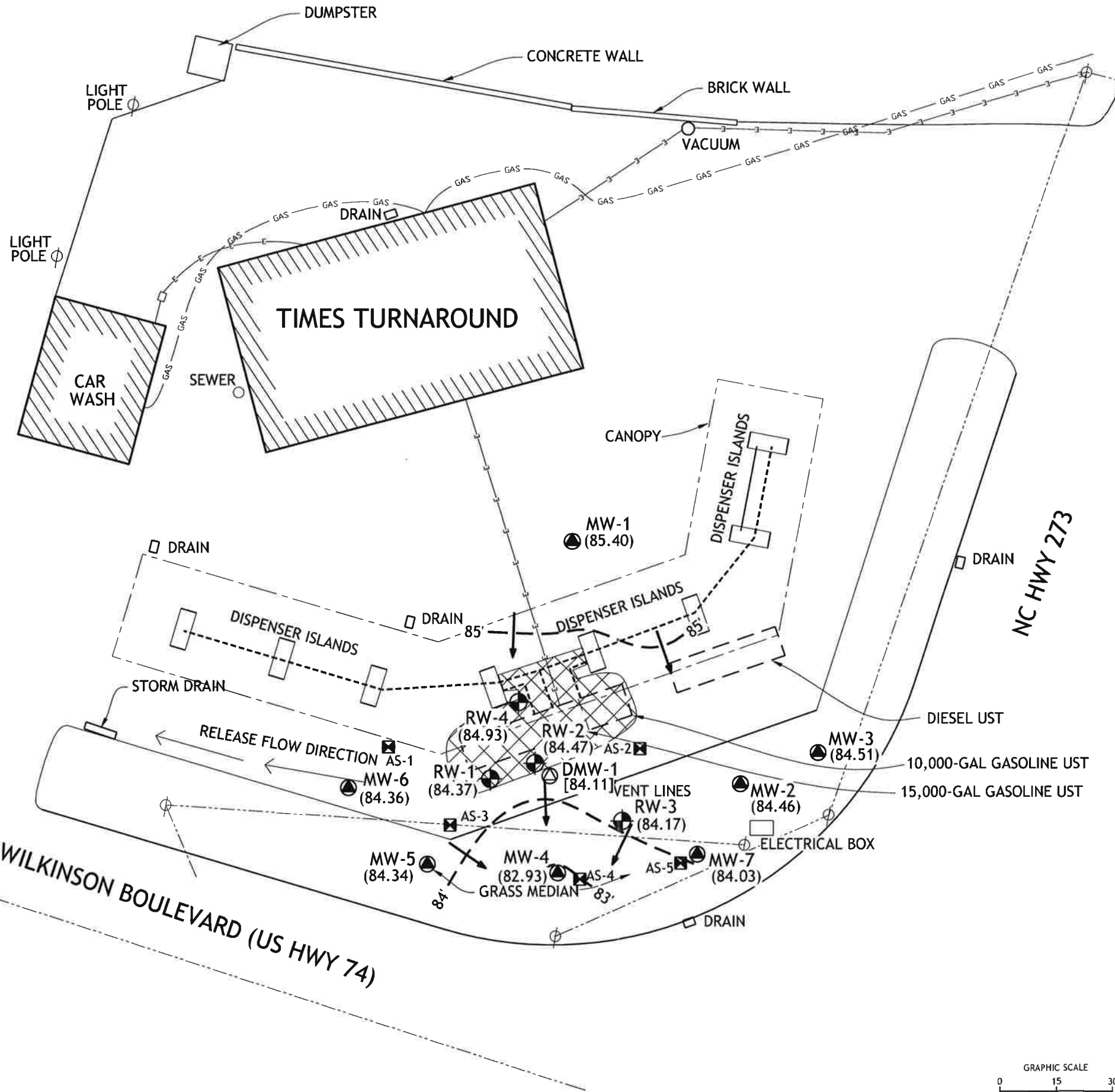
-  SITE LOCATION
-  STREAM OR CREEK
- 7025** PROPERTY ADDRESS
-  WATER SUPPLY WELL - ACTIVE
-  WATER SUPPLY WELL - NOT ACTIVE
-  WATER SUPPLY WELL - ABANDONED
-  WATER SUPPLY WELL - USE UNKNOWN
-  NO METER OR WATER SUPPLY WELL OBSERVED
-  CITY OF BELMONT SEWER LINES
-  CITY OF BELMONT WATER LINES

NOTES: 1- MAP BASED ON GASTON COUNTY, NC GIS.
 2- ALL LOCATIONS ARE APPROXIMATE.



	4301 TAGGART CREEK ROAD CHARLOTTE, NC 28208 704-394-8913 704-394-8908 fax www.shieldengineering.com
1,500 FOOT RADIUS MAP	
TIMES TURNAROUND #39 6751 WILKINSON BOULEVARD BELMONT, GASTON COUNTY, NORTH CAROLINA SHIELD # 1040063	
DATE : 10/22/04	DRAWN BY : DE
SCALE : AS SHOWN	FIGURE : 3

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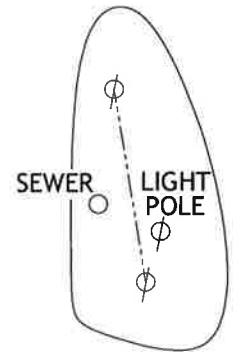


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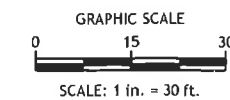
- OVERHEAD UTILITIES AND POLE
- UNDERGROUND POWER LINE
- GAS LINE
- PRODUCT PIPING
- RECOVER WELL
- MONITORING WELL
- DEEP WELL
- UNDERGROUND STORAGE TANK
- APPROXIMATE EXTENT OF GRAVEL BACKFILL
- (ft) FEET
- (86.66) GROUNDWATER ELEVATION (ft)
- [85.13] GROUNDWATER ELEVATION (ft) NOT USED IN CONTOURING
- - - - - INFERRED GROUNDWATER ELEVATION CONTOUR LINE (ft)
- GENERALIZED GROUNDWATER FLOW DIRECTION

NOTES:

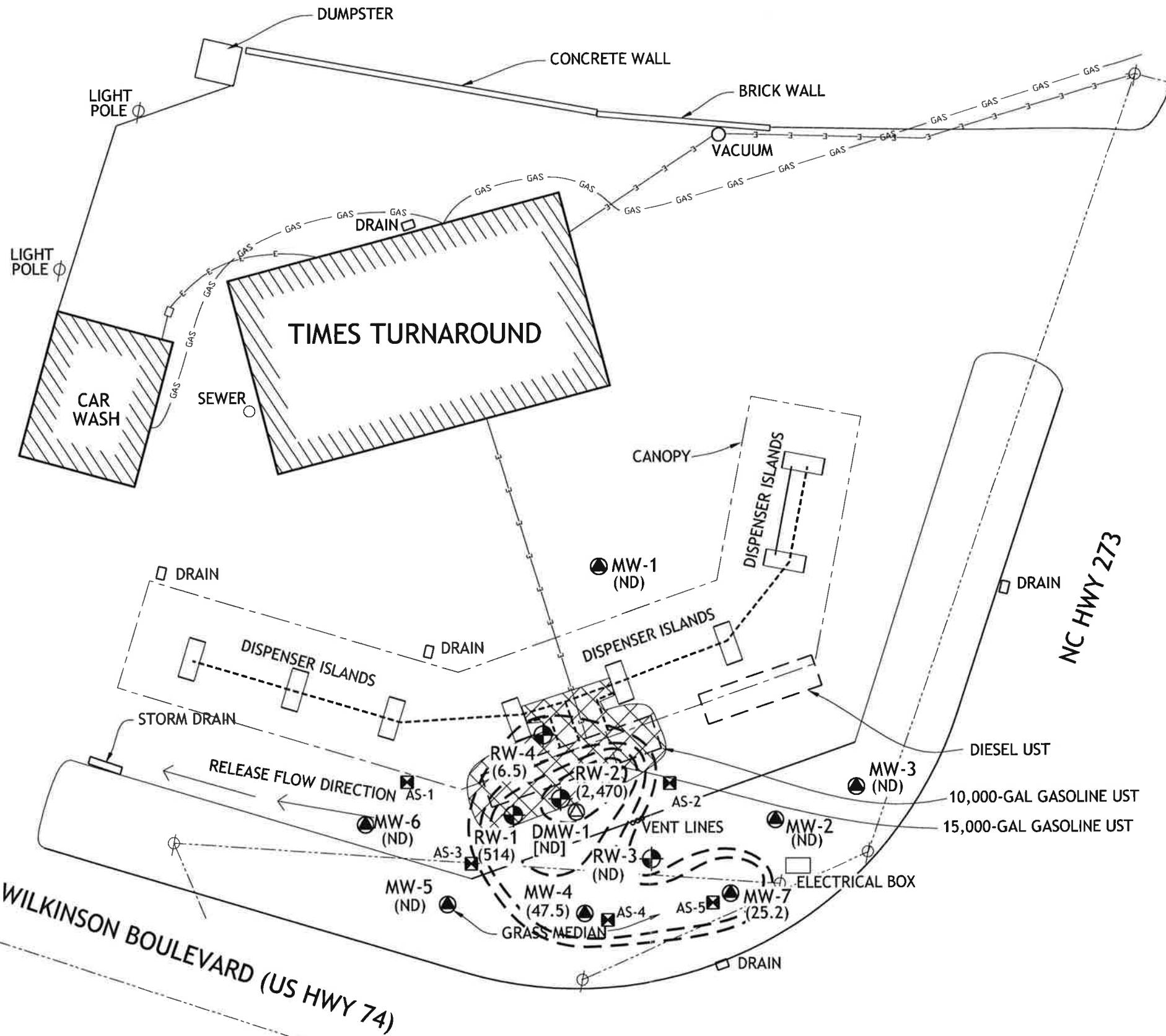
- 1- SITE MAP BASED ON SHIELD PERSONNEL FIELD MEASUREMENTS.
- 2- ALL LOCATIONS ARE APPROXIMATE.
- 3- ELEVATIONS BASED ON AN ASSUMED 100.00 ft ELEVATION AT MW-1 TOC.
- 4- DEPTHS TO GROUNDWATER MEASURED ON 11/25/14.
- 5- CONTOUR INTERVAL = 1 FOOT



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<div style="display: inline-block; vertical-align: middle;"> <p>SHIELD ENGINEERING, INC.</p> <p><small>4301 TAGGART CREEK ROAD CHARLOTTE, NC 28208 704-394-8913 704-394-8988 fax www.shieldengineering.com</small></p> </div>	
<p>GROUNDWATER ELEVATION CONTOUR MAP</p>	
<p>TIMES TURNAROUND #39 6751 WILKINSON BOULEVARD BELMONT, GASTON COUNTY, NORTH CAROLINA <small>SHIELD # 1040063</small></p>	
DATE : 12/11/14	DRAWN BY : RBS
SCALE : AS SHOWN	FIGURE : 4

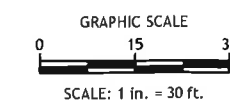
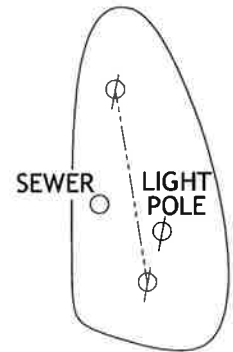


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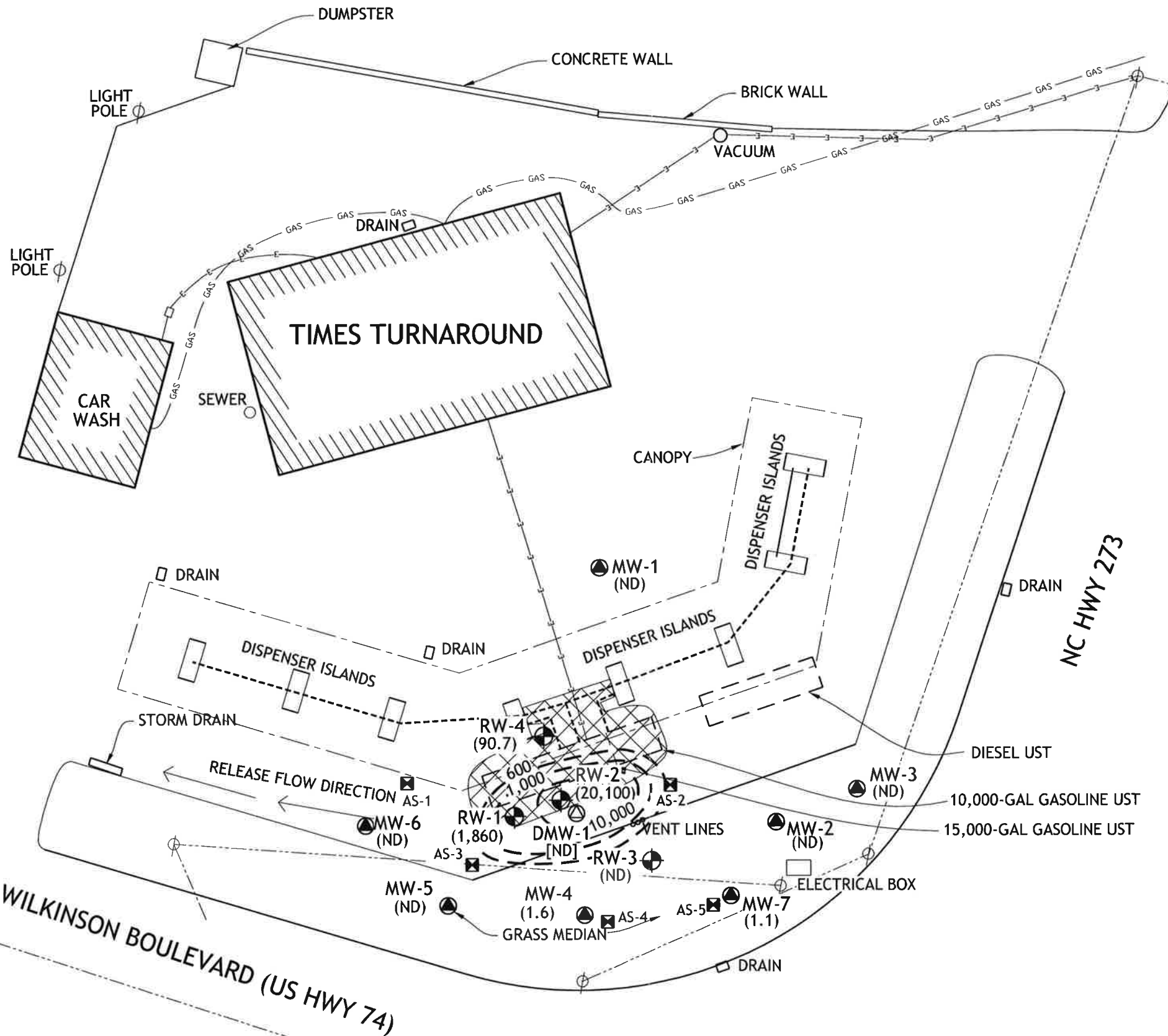
- OVERHEAD UTILITIES AND POLE
- UNDERGROUND POWER LINE
- GAS LINE
- PRODUCT PIPING
- RECOVER WELL
- MONITORING WELL
- DEEP WELL
- UNDERGROUND STORAGE TANK
- APPROXIMATE EXTENT OF GRAVEL BACKFILL
- (ug/L) MICROGRAMS PER LITER
- (2,470) BENZENE CONCENTRATION (ug/L)
- [ND] BENZENE CONCENTRATION (ug/L) NOT USED IN CONTOURING
- INFERRED BENZENE ISOCONCENTRATION LINE (ug/L)
- (ND) NOT DETECTED AT OR ABOVE THE METHOD DETECTION LIMIT SPECIFIED IN THE LABORATORY REPORT.
- (NS) NOT SAMPLED

NOTES:

- 1- SITE MAP BASED ON SHIELD PERSONNEL FIELD MEASUREMENTS.
- 2- ALL LOCATIONS ARE APPROXIMATE.
- 3- GROUNDWATER SAMPLES COLLECTED ON 11/25/14.
- 4- CONTOUR INTERVALS AS SHOWN.



	4301 TAGGART CREEK ROAD CHARLOTTE, NC 28208 704-394-9913 704-394-9988 fax www.shieldengineering.com		
	BENZENE ISOCONCENTRATION MAP TIMES TURNAROUND #39 6751 WILKINSON BOULEVARD BELMONT, GASTON COUNTY, NORTH CAROLINA SHIELD # 1040063		
DATE :	12/12/14	DRAWN BY :	RBS
SCALE :	AS SHOWN	FIGURE :	5

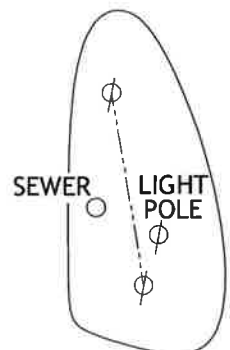


LEGEND:

- OVERHEAD UTILITIES AND POLE
- UNDERGROUND POWER LINE
- GAS LINE
- PRODUCT PIPING
- RECOVER WELL
- MONITORING WELL
- DEEP WELL
- UNDERGROUND STORAGE TANK
- APPROXIMATE EXTENT OF GRAVEL BACKFILL
- (ug/L) MICROGRAMS PER LITER
- (20,100) TOLUENE CONCENTRATION (ug/L)
- [ND] TOLUENE CONCENTRATION (ug/L) NOT USED IN CONTOURING
- INFERRED TOLUENE ISOCONCENTRATION LINE (ug/L)
- (ND) NOT DETECTED AT OR ABOVE THE METHOD DETECTION LIMIT SPECIFIED IN THE LABORATORY REPORT.
- (NS) NOT SAMPLED

NOTES:

- 1- SITE MAP BASED ON SHIELD PERSONNEL FIELD MEASUREMENTS.
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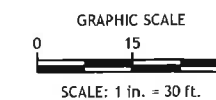
SHIELD
ENGINEERING, INC.

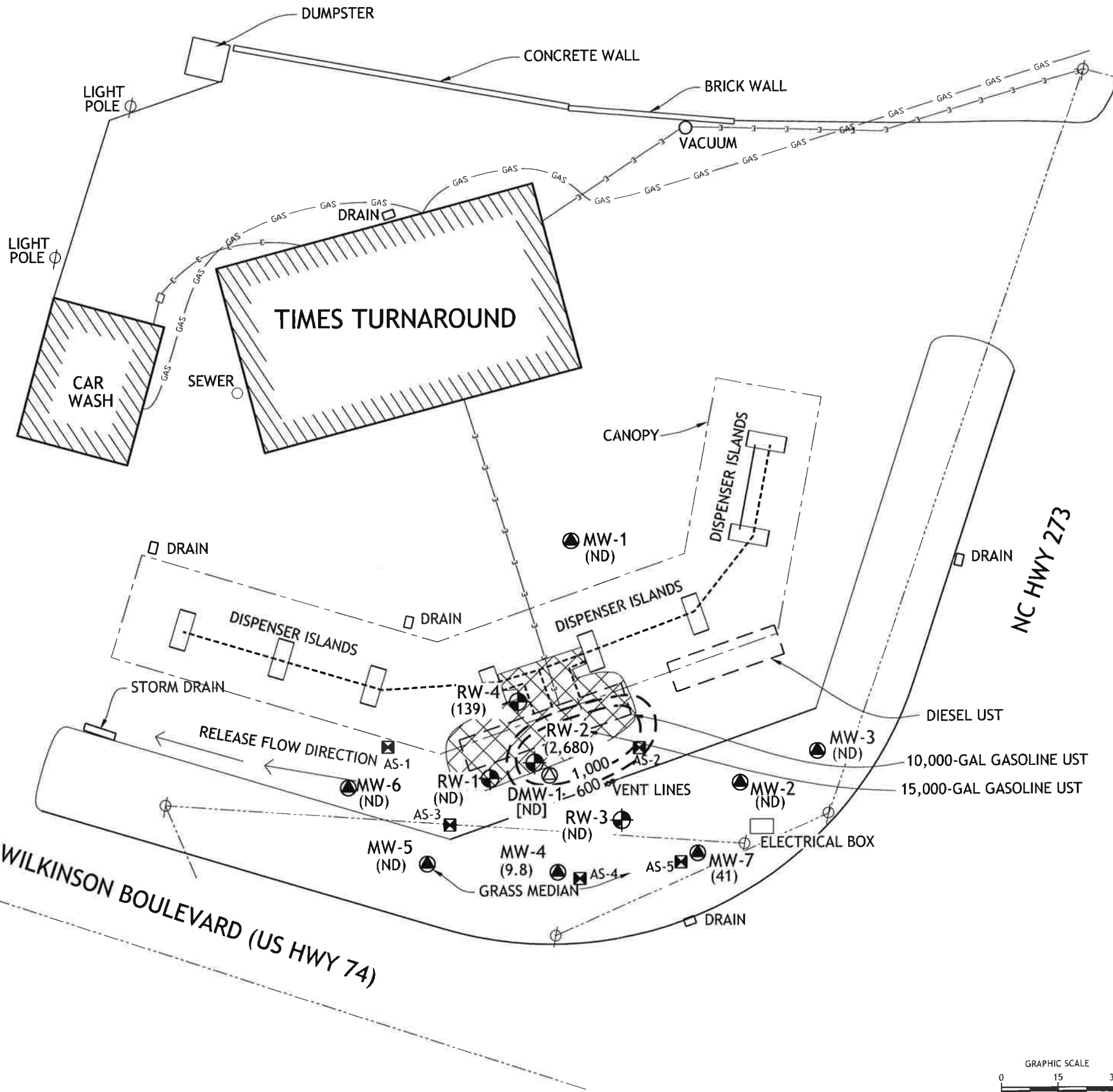
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CHARLOTTE, NC 28208
704-394-8913
704-394-8968 fax
www.shieldengineering.com

**TOLUENE
ISOCONCENTRATION MAP**

TIMES TURNAROUND #39
6751 WILKINSON BOULEVARD
BELMONT, GASTON COUNTY, NORTH CAROLINA
SHIELD # 1040063

DATE : 12/12/14	DRAWN BY : RBS
SCALE : AS SHOWN	FIGURE : 6





LEGEND:

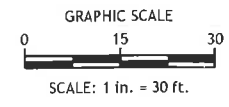
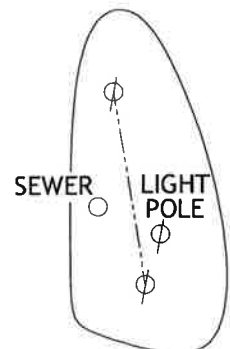
- OVERHEAD UTILITIES AND POLE
- UNDERGROUND POWER LINE
- GAS LINE
- PRODUCT PIPING
- RECOVER WELL
- MONITORING WELL
- DEEP WELL
- UNDERGROUND STORAGE TANK
- APPROXIMATE EXTENT OF GRAVEL BACKFILL

(ug/L) MICROGRAMS PER LITER
 (2,680) ETHYLBENZENE CONCENTRATION (ug/L)
 [ND] ETHYLBENZENE CONCENTRATION (ug/L) NOT USED IN CONTOURING

----- INFERRED ETHYLBENZENE ISOCONCENTRATION LINE (ug/L)

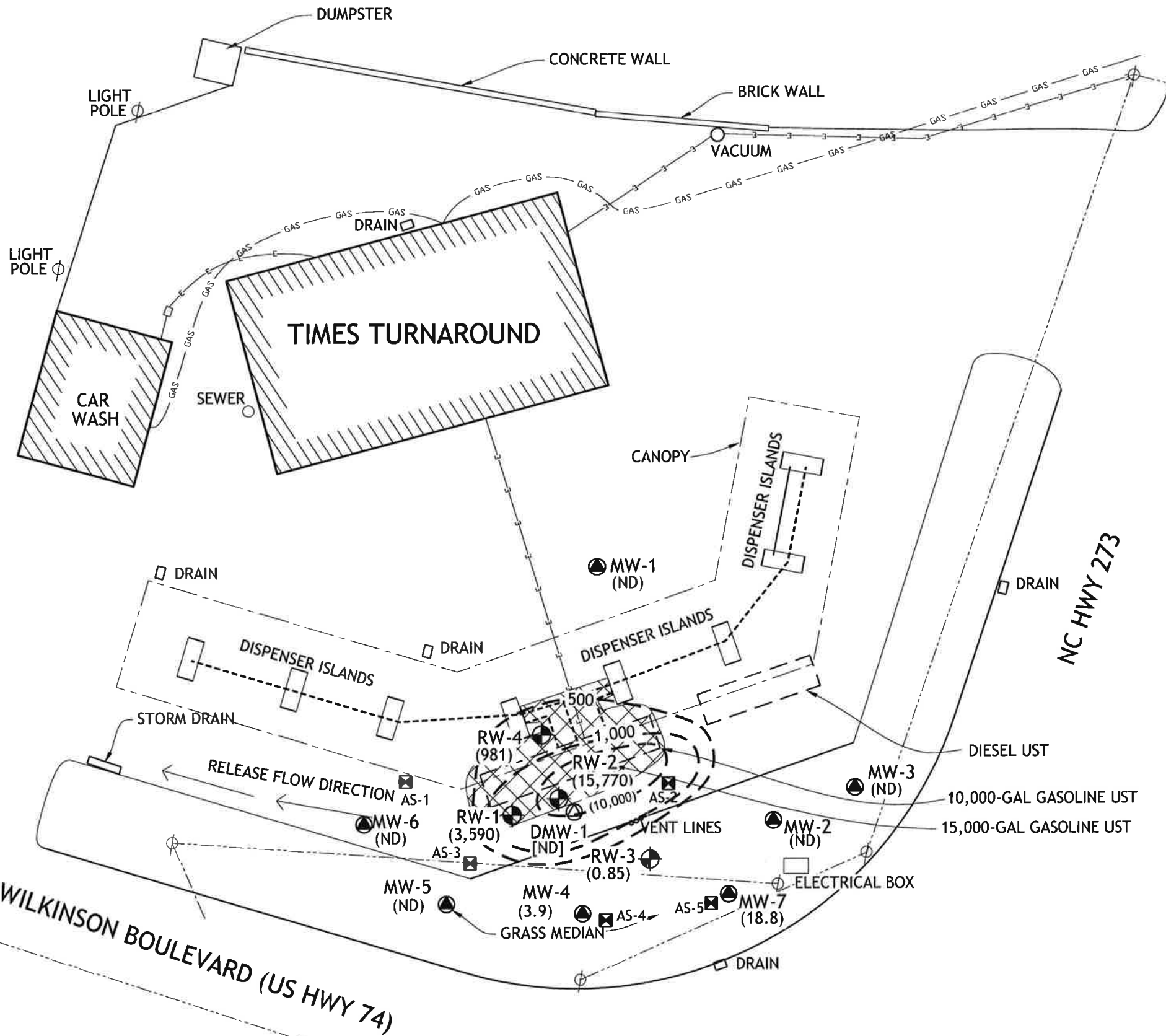
(ND) NOT DETECTED AT OR ABOVE THE METHOD DETECTION LIMIT SPECIFIED IN THE LABORATORY REPORT.
 (NS) NOT SAMPLED

- NOTES:**
- 1- SITE MAP BASED ON SHIELD PERSONNEL FIELD MEASUREMENTS.
 - 2- ALL LOCATIONS ARE APPROXIMATE.
 - 3- GROUNDWATER SAMPLES COLLECTED ON 11/25/14.
 - 4- CONTOUR INTERVALS AS SHOWN.



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		4301 TAGGART CREEK ROAD CHARLOTTE, NC 28208 704-394-0913 704-394-0968 fax www.shieldengineering.com	
		ETHYLBENZENE ISOCONCENTRATION MAP	
TIMES TURNAROUND #39 6751 WILKINSON BOULEVARD BELMONT, GASTON COUNTY, NORTH CAROLINA SHIELD # 1040063			
DATE :	12/12/14	DRAWN BY :	RBS
SCALE :	AS SHOWN	FIGURE :	7

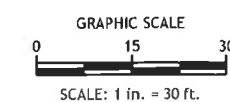
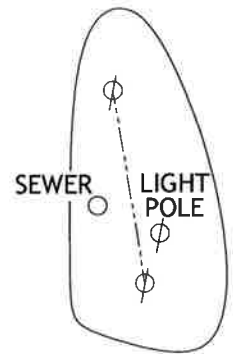


LEGEND:

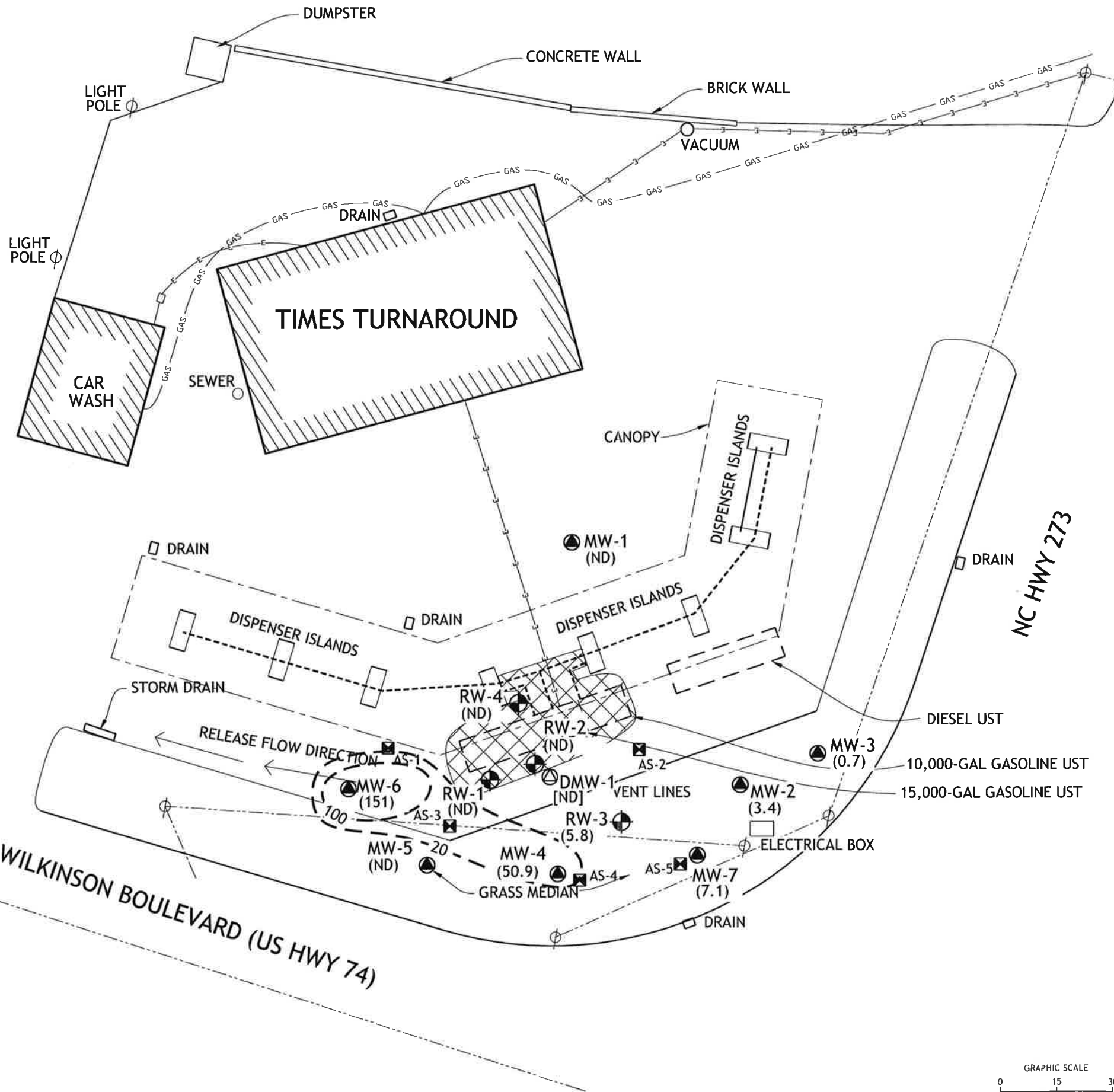
- OVERHEAD UTILITIES AND POLE
- UNDERGROUND POWER LINE
- GAS LINE
- PRODUCT PIPING
- RECOVER WELL
- MONITORING WELL
- DEEP WELL
- UNDERGROUND STORAGE TANK
- APPROXIMATE EXTENT OF GRAVEL BACKFILL
- (ug/L) MICROGRAMS PER LITER
- (15,770) TOTAL XYLENES CONCENTRATION (ug/L)
- [ND] TOTAL XYLENES CONCENTRATION (ug/L) NOT USED IN CONTOURING
- INFERRED TOTAL XYLENES ISOCONCENTRATION LINE (ug/L)
- (ND) NOT DETECTED AT OR ABOVE THE METHOD DETECTION LIMIT SPECIFIED IN THE LABORATORY REPORT.
- (NS) NOT SAMPLED

NOTES:

- 1- SITE MAP BASED ON SHIELD PERSONNEL FIELD MEASUREMENTS.
- 2- ALL LOCATIONS ARE APPROXIMATE.
- 3- GROUNDWATER SAMPLES COLLECTED ON 11/25/14.
- 4- CONTOUR INTERVALS AS SHOWN.



		4301 TAGGART CREEK ROAD CHARLOTTE, NC 28208 704-394-9913 704-394-9998 fax www.shieldengineering.com	
		TOTAL XYLENES ISOCONCENTRATION MAP TIMES TURNAROUND #39 6751 WILKINSON BOULEVARD BELMONT, GASTON COUNTY, NORTH CAROLINA SHIELD # 1040063	
DATE :	12/12/14	DRAWN BY :	RBS
SCALE :	AS SHOWN	FIGURE :	8



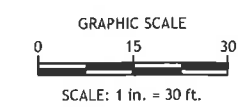
LEGEND:

- OVERHEAD UTILITIES AND POLE
- UNDERGROUND POWER LINE
- GAS LINE
- PRODUCT PIPING
- RECOVER WELL
- MONITORING WELL
- DEEP WELL
- UNDERGROUND STORAGE TANK
- APPROXIMATE EXTENT OF GRAVEL BACKFILL
- MTBE (ug/L) (151) [ND]
- MTBE METHYL-TERT-BUTYL ETHER
- MICROGRAMS PER LITER
- MTBE CONCENTRATION (ug/L)
- MTBE CONCENTRATION (ug/L) NOT USED IN CONTOURING
- INFERRED MTBE ISOCONCENTRATION LINE (ug/L)
- (ND) NOT DETECTED AT OR ABOVE THE METHOD DETECTION LIMIT SPECIFIED IN THE LABORATORY REPORT.
- (NS) NOT SAMPLED

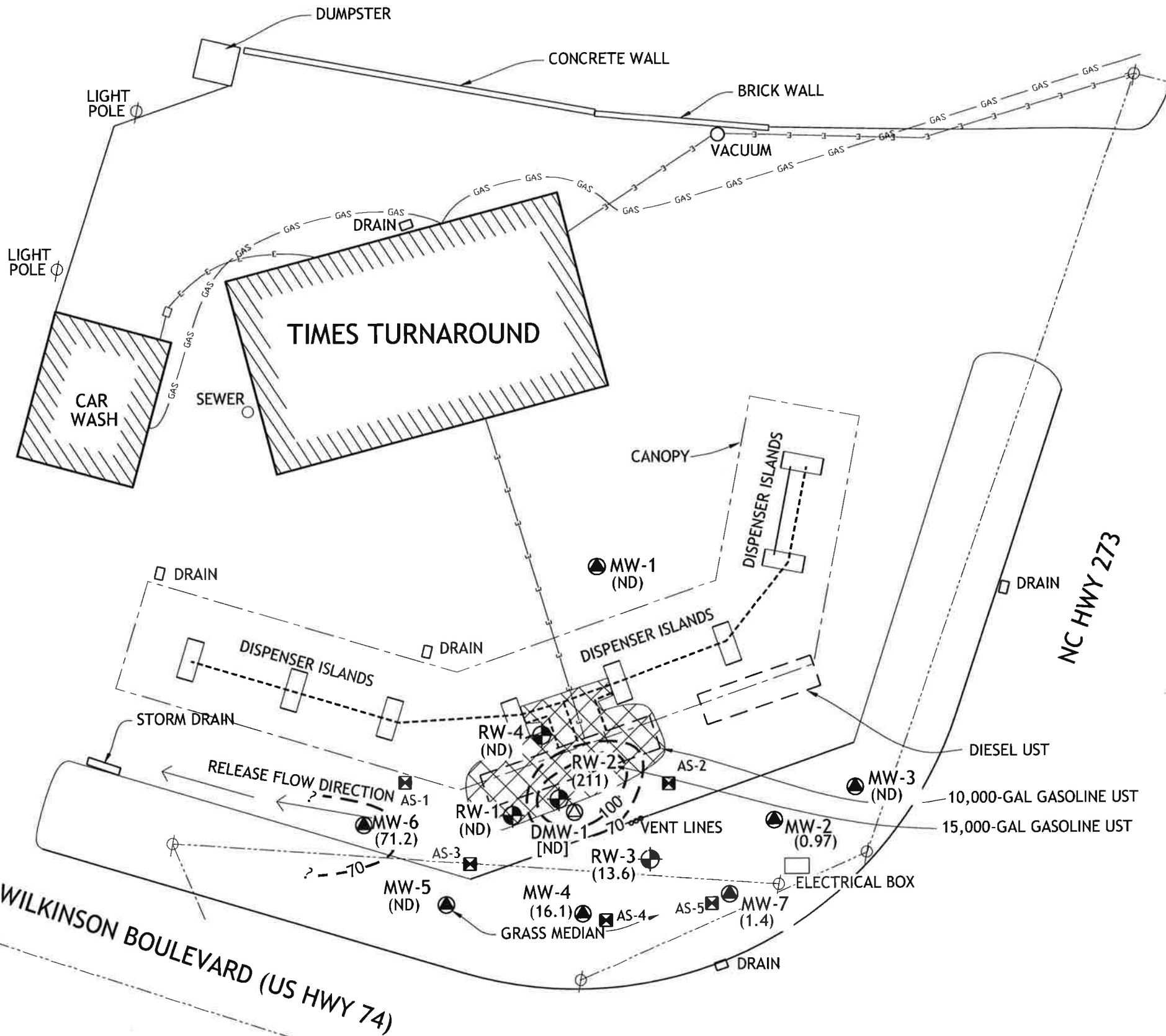
NOTES:

- 1- SITE MAP BASED ON SHIELD PERSONNEL FIELD MEASUREMENTS.
- 2- ALL LOCATIONS ARE APPROXIMATE.
- 3- GROUNDWATER SAMPLES COLLECTED ON 11/25/14.
- 4- CONTOUR INTERVALS AS SHOWN.

<p>4301 TAGGART CREEK ROAD CHARLOTTE, NC 28208 704-394-8913 704-394-0908 fax www.shieldengineering.com</p>			
<p>MTBE ISOCONCENTRATION MAP</p>			
<p>TIMES TURNAROUND #39 6751 WILKINSON BOULEVARD BELMONT, GASTON COUNTY, NORTH CAROLINA SHIELD # 1040063</p>			
DATE :	12/12/14	DRAWN BY :	RBS
SCALE :	AS SHOWN	FIGURE :	9



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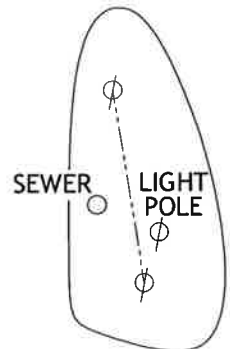


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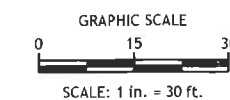
- OVERHEAD UTILITIES AND POLE
- UNDERGROUND POWER LINE
- GAS LINE
- PRODUCT PIPING
- RECOVER WELL
- MONITORING WELL
- DEEP WELL
- UNDERGROUND STORAGE TANK
- APPROXIMATE EXTENT OF GRAVEL BACKFILL
- IPE ISOPROPYL ETHER
- (ug/L) MICROGRAMS PER LITER
- (211) IPE CONCENTRATION (ug/L)
- [ND] IPE CONCENTRATION (ug/L) NOT USED IN CONTOURING
- - - - INFERRED IPE ISOCONCENTRATION LINE (ug/L)
- (ND) NOT DETECTED AT OR ABOVE THE METHOD DETECTION LIMIT SPECIFIED IN THE LABORATORY REPORT.
- (NS) NOT SAMPLED

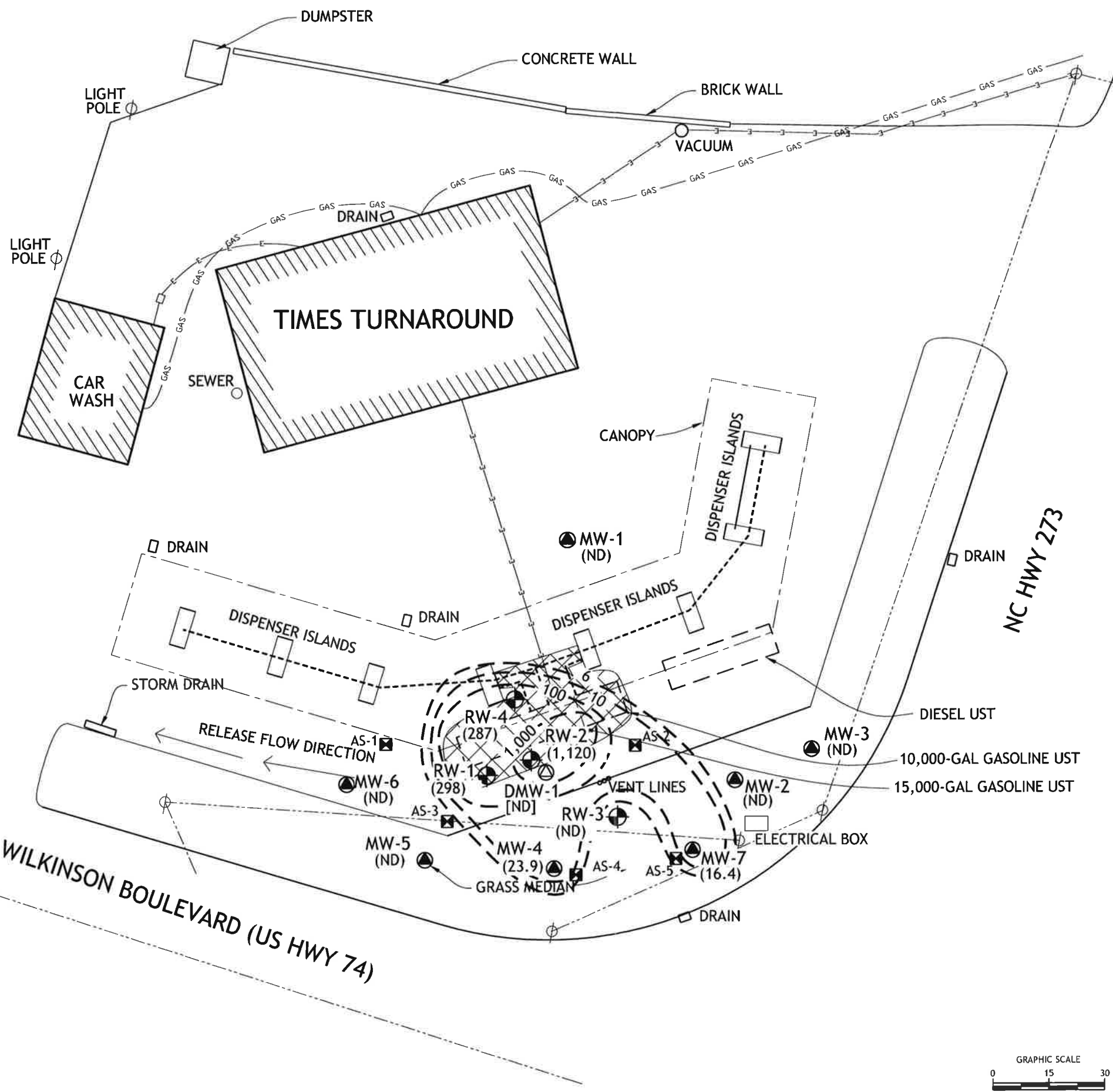
NOTES:

- 1- SITE MAP BASED ON SHIELD PERSONNEL FIELD MEASUREMENTS.
- 2- ALL LOCATIONS ARE APPROXIMATE.
- 3- GROUNDWATER SAMPLES COLLECTED ON 11/25/14.
- 4- CONTOUR INTERVALS AS SHOWN.



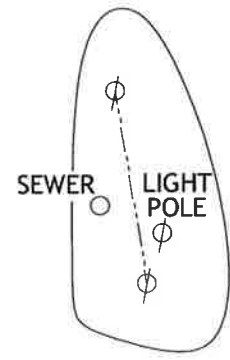
<p>4301 TAGGART CREEK ROAD CHARLOTTE, NC 28208 704-394-6913 704-394-6908 fax www.shieldengineering.com</p>	
<p>IPE ISOCONCENTRATION MAP</p>	
<p>TIMES TURNAROUND #39 6751 WILKINSON BOULEVARD BELMONT, GASTON COUNTY, NORTH CAROLINA SHIELD # 1040063</p>	
DATE :	12/12/14
SCALE :	AS SHOWN
DRAWN BY :	RBS
FIGURE :	10



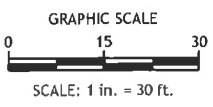


- LEGEND:**
- OVERHEAD UTILITIES AND POLE
 - UNDERGROUND POWER LINE
 - GAS LINE
 - PRODUCT PIPING
 - RECOVER WELL
 - MONITORING WELL
 - DEEP WELL
 - UNDERGROUND STORAGE TANK
 - APPROXIMATE EXTENT OF GRAVEL BACKFILL
 - (ug/L) MICROGRAMS PER LITER
 - (1,120) NAPHTHALENE CONCENTRATION (ug/L)
 - [ND] NAPHTHALENE CONCENTRATION (ug/L) NOT USED IN CONTOURING
 - INFERRED NAPHTHALENE ISOCONCENTRATION LINE (ug/L)
 - (ND) NOT DETECTED AT OR ABOVE THE METHOD DETECTION LIMIT SPECIFIED IN THE LABORATORY REPORT.
 - (NS) NOT SAMPLED

- NOTES:**
- 1- SITE MAP BASED ON SHIELD PERSONNEL FIELD MEASUREMENTS.
 - 2- ALL LOCATIONS ARE APPROXIMATE.
 - 3- GROUNDWATER SAMPLES COLLECTED ON 11/25/14.
 - 4- CONTOUR INTERVALS AS SHOWN.



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		<small>4301 TAGGART CREEK ROAD CHARLOTTE, NC 28208 704-394-9913 704-394-9958 fax www.shieldengineering.com</small>	
		NAPHTHALENE ISOCONCENTRATION MAP	
TIMES TURNAROUND #39 6751 WILKINSON BOULEVARD BELMONT, GASTON COUNTY, NORTH CAROLINA <small>SHIELD # 1040063</small>			
DATE :	12/12/14	DRAWN BY :	RBS
SCALE :	AS SHOWN	FIGURE :	11

TABLES

Table 1 - Adjacent Property Owner and Receptor Information
Times Turnaround #39
6751 Wilkinson Boulevard, Belmont, Gaston County, North Carolina, 28012
Groundwater Incident # 27732
Date Information/Survey Compiled: October, 2004

Well I.D.	County Tax PIN Identification Number	Property Owner, Address, Phone Number	Property Resident, Address, Phone Number	Type of Well (Drilled or Bored)	Well Use (i.e. Potable, agricultural, etc...)	Well Depth (Feet)	Well Casing Depth (feet)	Well Screen Interval (feet)	Approx. Distance from Source Area of Release (feet)	Alternative Water Supply or Protection Provided (i.e. Municipal Water, Bottled Water, POE Carbon Filters, Willing to Connect?)
SITE	3595-42-3809	Southern Benedictine Society 100 Belmont - Mt. Holly Rd. Belmont, NC 28012	Times Turnaround #39 6751 Wilkinson Blvd.	NA	NA	NA	NA	NA	NA	Municipal
WSW-1	3595-53-2995	Hazeline Moore 307 Browntown Rd. Belmont, NC 28012	Hazeline Moore 307 Browntown Rd. Belmont, NC 28012	NI	Well Use Unknown	NI	NI	NI	1,220	No Municipal Meter Located
WSW-2	3595-54-2075	Mabel Smith 311 Browntown Rd. Belmont, NC 28012	Mabel Smith 311 Browntown Rd. Belmont, NC 28012	UN	Well Used For Bathing, Toilet, Cooking, etc.	UN	UN	UN	1,260	Said They Use Bottled Water to Drink
WSW-3	3595-54-5019	Gary Fowler 310 Browntown Rd. Belmont, NC 28012	Gary Fowler 310 Browntown Rd. Belmont, NC 28012	UN	Potable	UN	UN	UN	1,400	None
WSW-4	3595-53-8699	Bobby & Terri Kelly 4014 Brown Rd. Belmont, NC 28012	Bobby & Terri Kelly 4014 Brown Rd. Belmont, NC 28012	NI	Well Use Unknown	NI	NI	NI	1,440	No Municipal Meter Located
WSW-5	3595-53-5785	Benny Brown 2016 River View Ave. Belmont, NC 28012-4220	WSW-5 Provides Water to the Adjacent Property Located at: 238 Browntown Rd. Belmont, NC 28012	UN	Potable	UN	UN	UN	1,290	None
WSW-6	3595-53-3689	Charles & Mary Eury 239 Browntown Rd. Belmont, NC 28012	Charles & Mary Eury 239 Browntown Rd. Belmont, NC 28012	UN	Potable	UN	UN	UN	1,090	None
WSW-7	3595-53-3589	Charles & Mary Eury 239 Browntown Rd. Belmont, NC 28012	235 Browntown Rd. Belmont, NC 28012	UN	Potable	UN	UN	UN	1,060	None
WSW-8	3595-53-2399	Joel & Sarah Williams 237 Browntown Rd. Belmont, NC 28012	Joel & Sarah Williams 237 Browntown Rd. Belmont, NC 28012	NI	Potable	NI	NI	NI	940	None

Table 1 - Adjacent Property Owner and Receptor Information
Times Turnaround #39
6751 Wilkinson Boulevard, Belmont, Gaston County, North Carolina, 28012
Groundwater Incident # 27732
Date Information/Survey Compiled: October, 2004

Well ID.	County Tax PIN Identification Number	Property Owner, Address, Phone Number	Property Resident, Address, Phone Number	Type of Well (Drilled or Bored)	Well Use (i.e. Potable, agricultural, etc...)	Well Depth (Feet)	Well Casing Depth (feet)	Well Screen Interval (feet)	Approx. Distance from Source Area of Release (feet)	Alternative Water Supply or Protection Provided (i.e. Municipal Water, Bottled Water, POE Carbon Filters, Willing to Connect?)
WSW-9	3595-53-5414	Tony & Deborah Cherry 229 Browntown Rd. Belmont, NC 28012	231 Browntown Rd. Belmont, NC 28012	NI	Well Use Unknown	NI	NI	NI	1,070	Municipal
WSW-10	3595-53-8403	Troy & Tammy Campbell 226 Browntown Rd. Belmont, NC 28012	Troy & Tammy Campbell 226 Browntown Rd. Belmont, NC 28012	UN	Potable	UN	UN	UN	1,170	None
WSW-11	3595-53-6222	Albert Elmore 2547 Devon Dr. Dallas, NC 28034	219 Browntown Rd. Belmont, NC 28012	NI	Well Use Unknown	NI	NI	NI	1,100	Municipal
WSW-12	3595-53-6154	Mary Gibson 217 Browntown Rd. Belmont, NC 28012	Mary Gibson 217 Browntown Rd. Belmont, NC 28012	NI	Well Use Unknown	NI	NI	NI	1,060	No Municipal Meter Located
WSW-13	3595-53-7051	Mark Chaparro 211 Browntown Rd. Belmont, NC 28012	211 & 213 Browntown Rd. Belmont, NC 28012	UN	Not Active	UN	UN	UN	1,090	Municipal
WSW-14*	3595-52-9979	David Hostetler P.O. Box 5 Mt. Holly, NC 28120-0005	Lynn Ord 210 Browntown Rd. Belmont, NC 28012	UN	Abandoned	UN	UN	UN	1,390	Municipal
WSW-15	3595-527830	Neil Stephen 71 Wade St. Belmont, NC 28012	Neil Stephen 71 Wade St. Belmont, NC 28012	UN	Potable	UN	UN	UN	1,150	None
WSW-16	3595-52-6964	Section of Housing & Urban Dev. Attn: REO Branch 40 Marietta Street Atlanta, GA 30303-2806	76 Wade St. Belmont, NC 28012	NI	Potable	NI	NI	NI	1,100	None
WSW-17	3595-52-5800	Danny Hicks 77 Wade St. Belmont, NC 28012	Danny Hicks 77 Wade St. Belmont, NC 28012	NI	Potable	NI	NI	NI	880	None

Table 1 - Adjacent Property Owner and Receptor Information
Times Turnaround #39
6751 Wilkinson Boulevard, Belmont, Gaston County, North Carolina, 28012
Groundwater Incident # 27732
Date Information/Survey Compiled: October, 2004

Well I.D.	County Tax PIN Identification Number	Property Owner, Address, Phone Number	Property Resident, Address, Phone Number	Type of Well (Drilled or Bored)	Well Use (i.e. Potable, agricultural, etc...)	Well Depth (Feet)	Well Casing Depth (feet)	Well Screen Interval (feet)	Approx. Distance from Source Area of Release (feet)	Alternative Water Supply or Protection Provided (i.e. Municipal Water, Bottled Water, POE Carbon Filters, Willing to Connect?)
WSW-18	3595-52-5962	Richard Gardner 81 Wade St. Belmont, NC 28012	Richard Gardner 81 Wade St. Belmont, NC 28012	UN	Potable	UN	UN	UN	985	None
WSW-19	3595-53-5033	Joseph & Pansy O'Donohue 302 Park Rd. Mount Holly, NC 28120	80 Wade Ave. Belmont, NC 28012	NI	Potable	NI	NI	NI	990	None
WSW-20	3595-52-4940	Johnny & Bondell Dunn 83 Wade St. Belmont, NC 28012	Johnny & Bondell Dunn 83 Wade St. Belmont, NC 28012	UN	Potable	UN	UN	UN	990	None
WSW-21	3595-22-9651	Shirley & William Hager 501 Hawley St. Belmont, NC 28012	Shirley & William Hager 501 Hawley St. Belmont, NC 28012	NA	Abandoned	NA	NA	NA	1,160	Municipal
WSW-22	3595--52-3853	John Hefner 85 Wade St. Belmont, NC 28012	John Hefner 85 Wade St. Belmont, NC 28012	UN	Potable	UN	UN	UN	840	None
WSW-23*	3595-53-4042 & 3595-53-3041	Donny & Nancy Bailey 312 Beatty Dr. Belmont, NC 28012 (704) 827-1693 (704) 616-1763	Well Serves: 82 & 84 Wade St. Belmont, NC 28012	UN	Potable	UN	UN	UN	820	None
WSW-24	3595-62-0779	Louise Watts 206 Browntown Rd. Belmont, NC 28012	Louise Watts 206 Browntown Rd. Belmont, NC 28012	NI	Well Use Unknown	NI	NI	NI	1,435	No Municipal Meter Located
WSW-25*	3595-52-9326	Ernest & Addie Pearson 106 Browntown Rd. Belmont, NC 28012 (704) 825-1860	Ernest & Addie Pearson 106 Browntown Rd. Belmont, NC 28012 (704) 825-1860	UN	Potable	UN	UN	UN	1,350	None
WSW-26*	3595-53-8287	James & Roberta Helms-Farmer 218 Browntown Rd. Belmont, NC 28012	Roberta Helms-Farmer 218 Browntown Rd. Belmont, NC 28012	UN	Potable	UN	UN	UN	1,340	None

Table 1 - Adjacent Property Owner and Receptor Information
Times Turnaround #39
6751 Wilkinson Boulevard, Belmont, Gaston County, North Carolina, 28012
Groundwater Incident # 27732
Date Information/Survey Compiled: October, 2004

Well I.D.	County Tax PIN Identification Number	Property Owner, Address, Phone Number	Property Resident, Address, Phone Number	Type of Well (Drilled or Bored)	Well Use (i.e. Potable, agricultural, etc...)	Well Depth (Feet)	Well Casing Depth (feet)	Well Screen Interval (feet)	Approx. Distance from Source Area of Release (feet)	Alternative Water Supply or Protection Provided (i.e. Municipal Water, Bottled Water, POE Carbon Filters, Willing to Connect?)
WSW-27*	3595-42-3237	Thomas & John Hunter P.O. Box 592 Belmont, NC 28012 (704) 825-2620	508 Park St. Belmont, NC 28012	UN	Abandoned	UN	UN	UN	465	Municipal
WSW-28	3595-42-4038	Raymond & James Garrison 608 Lankashire Rd. Winston-Salem, NC 27104	McLean Ave. Belmont, NC	NI	Well Use Unknown	NI	NI	NI	575	No Municipal Meter Located Neighbor indicated that the well "is not working"
WSW-29	3595-32-9048	Anon & Lucille Galloway 501 Park St. Belmont, NC 28012	Anon & Lucille Galloway 501 Park St. Belmont, NC 28012	NI	Well Use Unknown	NI	NI	NI	690	Municipal
WSW-30	3595-22-6442	Michael & Joy Long 108 Garrison Dr. Belmont, NC 28012	Michael & Joy Long 108 Garrison Dr. Belmont, NC 28012	NI	Well Use Unknown	NI	NI	NI	1,425	Municipal
NA	3595-22-9328	Martha Carver 120 Garrison Dr. Belmont, NC 28012	Martha Carver 120 Garrison Dr. Belmont, NC 28012	NA	Swimming Pool	NA	NA	NA	1,215	Municipal
Adj.	3595-43-2334	Southern Benedictine Society 100 Belmont - Mt. Holly Rd. Belmont, NC 28012	Strip Mall 601 Park St. Belmont, NC 28012	NA	NA	NA	NA	NA	NA	Municipal
Adj.	3595-43-4074	Southern Benedictine Society 100 Belmont - Mt. Holly Rd. Belmont, NC 28012	Waffle House 603 Park St. Belmont, NC 28012	NA	NA	NA	NA	NA	NA	Municipal
Adj.	3595-42-6759	Southern Benedictine Society C/O Taco Bell #2804 P.O. Box 35370 Louisville, KY 40232	Taco Bell 6805 Wilkinson B lvd. Belmont, NC 28012	NA	NA	NA	NA	NA	NA	Municipal

Table 1 - Adjacent Property Owner and Receptor Information
Times Turnaround #39
6751 Wilkinson Boulevard, Belmont, Gaston County, North Carolina, 28012
Groundwater Incident # 27732
Date Information/Survey Compiled: October, 2004

Well I.D.	County Tax PIN Identification Number	Property Owner, Address, Phone Number	Property Resident, Address, Phone Number	Type of Well (Drilled or Bored)	Well Use (i.e. Potable, agricultural, etc...)	Well Depth (Feet)	Well Casing Depth (feet)	Well Screen Interval (feet)	Approx. Distance from Source Area of Release (feet)	Alternative Water Supply or Protection Provided (i.e. Municipal Water, Bottled Water, POE Carbon Filters, Willing to Connect?)
Adj.	3595-42-4490	Belmont Drugs Store Invest, LLC P.O. Box 709 Asheville, NC 28802	Walgreens 6810 Wilkinson Blvd. Belmont, NC 28012	NA	NA	NA	NA	NA	NA	Municipal
Adj.	3595-42-0496	Ray McKenney & Richard Burnside P.O. Box 708 Belmont, NC 28012 Don Willis (704) 825-3306	McKenney Chevrolet 6746 Wilkinson Blvd. Belmont, NC 28012	NA	NA	NA	NA	NA	NA	Municipal

NOTES:

Information compiled from site visit, property owner interviews, and Gaston County GIS website.

* = Received return receptor survey form

UN = Water supply well owner/user did not know

NA = Not Applicable

NI = Unable to contact well owner/user during the receptor survey and no information was returned to Shield from the owner/user via mail or phone call.

Adj. = Property is adjacent to the subject site

Table 2 - Summary of Well Construction and Groundwater Elevation Data
Times Turnaround #39
6751 Wilkinson boulevard, Belmont, Gaston County, North Carolina, 28012
Groundwater Incident # 27732

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 Free Product (feet)	Depth to Static Water Level (feet)	Diff. Between As-built and Measured Total Depth (feet)	Measured Water Column in Well (feet)	Free Product Thickness (feet)	Groundwater Elevation (feet)
MW-1	10/29/04	100.00	2	25	10-25	11/1/2004	25.00	NP	13.79	0.00	11.21	0.00	86.21
						6/21/2007	24.79	NP	13.49	0.21	11.30	0.00	86.51
						12/11/2007	NM	NP	14.76	N/A	14.76	0.00	85.24
						4/30/2008	NM	NP	13.75	N/A	13.75	0.00	86.25
						9/4/2008	24.54	NP	14.18	0.46	10.36	0.00	85.82
						7/30/2009	24.62	NP	13.40	0.38	11.22	0.00	86.60
						11/9/2009	24.62	NP	13.73	0.38	10.89	0.00	86.27
						1/12/2010	24.62	NP	12.79	0.38	11.83	0.00	87.21
						4/22/2010	24.62	NP	13.19	0.38	11.43	0.00	86.81
						10/25/2010	24.62	NP	15.00	0.38	9.62	0.00	85.00
						4/11/2011	24.62	NP	14.66	0.38	9.96	0.00	85.34
						10/26/2011	24.62	NP	15.33	0.38	9.29	0.00	84.67
						4/19/2012	24.62	NP	14.96	0.38	9.66	0.00	85.04
						10/23/2012	24.62	NP	15.60	0.38	9.02	0.00	84.40
						4/30/2013	24.62	NP	14.32	0.38	10.30	0.00	85.68
						10/2/2013	24.62	NP	14.46	0.38	10.16	0.00	85.54
						4/16/2014	24.62	NP	13.34	0.38	11.28	0.00	86.66
						11/25/2014	24.62	NP	14.60	0.38	10.02	0.00	85.40
MW-2	10/29/04	99.71	2	25	10-25	11/1/2004	25.02	NP	14.60	-0.02	10.42	0.00	85.11
						6/21/2007	25.61	NP	14.31	-0.61	11.30	0.00	85.40
						12/11/2007	NM	NP	15.52	N/A	15.52	0.00	84.19
						4/30/2008	NM	NP	14.41	N/A	14.41	0.00	85.30
						9/4/2008	24.92	NP	14.89	0.08	10.03	0.00	84.82
						7/30/2009	25.02	NP	14.30	-0.02	10.72	0.00	85.41
						11/9/2009	25.02	NP	14.50	-0.02	10.52	0.00	85.21
						1/12/2010	25.02	NP	13.47	-0.02	11.55	0.00	86.24
						4/22/2010	25.02	NP	13.95	-0.02	11.07	0.00	85.76
						10/25/2010	25.02	NP	15.72	-0.02	9.30	0.00	83.99
						4/11/2011	25.02	NP	15.25	-0.02	9.77	0.00	84.46
						10/26/2011	25.02	NP	16.03	-0.02	8.99	0.00	83.68
						4/19/2012	25.02	NP	15.64	-0.02	9.38	0.00	84.07
						10/23/2012	25.02	NP	16.25	-0.02	8.77	0.00	83.46
						4/30/2013	25.02	NP	14.84	-0.02	10.18	0.00	84.87
						10/2/2013	25.02	NP	15.19	-0.02	9.83	0.00	84.52
						4/16/2014	25.02	NP	13.89	-0.02	11.13	0.00	85.82
						11/25/2014	25.02	NP	15.25	-0.02	9.77	0.00	84.46
MW-3	12/06/07	99.76	2	25	10-25	12/11/2007	25.06	NP	15.66	N/A	9.40	0.00	84.10
						4/30/2008	NM	NP	14.51	N/A	14.51	0.00	85.25
						9/4/2008	24.93	NP	14.98	0.07	9.95	0.00	84.78
						7/30/2009	25.04	NP	14.34	-0.04	10.70	0.00	85.42
						11/9/2009	25.04	NP	14.52	-0.04	10.52	0.00	85.24
						1/12/2010	25.04	NP	13.53	-0.04	11.51	0.00	86.23
						4/22/2010	25.04	NP	13.98	-0.04	11.06	0.00	85.78
						10/25/2010	25.04	NP	15.78	-0.04	9.26	0.00	83.98
						4/11/2011	25.04	NP	15.32	-0.04	9.72	0.00	84.44
						10/26/2011	25.04	NP	16.11	-0.04	8.93	0.00	83.65
						4/19/2012	25.04	NP	15.70	-0.04	9.34	0.00	84.06
						10/23/2012	25.04	NP	16.33	-0.04	8.71	0.00	83.43
						4/30/2013	25.04	NP	14.85	-0.04	10.19	0.00	84.91
						10/2/2013	25.04	NP	15.26	-0.04	9.78	0.00	84.50
4/16/2014	25.04	NP	13.87	-0.04	11.17	0.00	85.89						
11/25/2014	25.04	NP	15.25	-0.04	9.79	0.00	84.51						
MW-4	12/06/07	98.55	2	25	10-25	12/11/2007	24.00	NP	14.45	N/A	9.55	0.00	84.10
						4/30/2008	NM	NP	13.50	N/A	13.50	0.00	85.05
						9/4/2008	22.31	NP	13.88	2.69	8.43	0.00	84.67
						7/30/2009	22.69	NP	13.36	2.31	2.31	0.00	85.19
						11/9/2009	22.69	NP	13.53	2.31	2.31	0.00	85.02
						1/12/2010	22.69	NP	12.70	2.31	2.31	0.00	85.85
						4/22/2010	22.69	NP	13.50	2.31	2.31	0.00	85.05
						10/25/2010	22.69	NP	15.08	2.31	2.31	0.00	83.47
						4/11/2011	22.69	NP	14.64	2.31	8.05	0.00	83.91
						10/26/2011	22.69	NP	15.25	2.31	7.44	0.00	83.30
						4/19/2012	22.69	NP	14.91	2.31	7.78	0.00	83.64
						10/23/2012	22.69	NP	15.45	2.31	7.24	0.00	83.10
						4/30/2013	22.69	NP	14.24	2.31	8.45	0.00	84.31
						10/2/2013	22.69	NP	14.56	2.31	8.13	0.00	83.99
4/16/2014	22.69	NP	13.51	2.31	9.18	0.00	85.04						
11/25/2014	22.69	NP	15.62	2.31	7.07	0.00	82.93						

Table 2 - Summary of Well Construction and Groundwater Elevation Data
Times Turnaround #39
6751 Wilkinson boulevard, Belmont, Gaston County, North Carolina, 28012
Groundwater Incident # 27732

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 Free Product (feet)	Depth to Static Water Level (feet)	Diff. Between As-built and Measured Total Depth (feet)	Measured Water Column in Well (feet)	Free Product Thickness (feet)	Groundwater Elevation (feet)
MW-5	12/06/07	98.90	2	25	10-25	12/11/2007	24.80	NP	14.65	N/A	10.15	0.00	84.25
						4/30/2008	NM	NP	13.72	N/A	13.72	0.00	85.18
						9/4/2008	23.96	NP	14.13	1.04	9.83	0.00	84.77
						7/30/2009	24.05	NP	13.55	0.95	10.50	0.00	85.35
						11/9/2009	24.05	NP	13.75	0.95	10.30	0.00	85.15
						11/2/2010	24.05	NP	13.05	0.95	11.00	0.00	85.85
						4/2/2010	24.05	NP	13.89	0.95	10.16	0.00	85.01
						10/25/2010	24.05	NP	15.29	0.95	8.76	0.00	83.61
						4/11/2011	24.05	NP	14.94	0.95	9.11	0.00	83.96
						10/26/2011	24.05	NP	15.50	0.95	8.55	0.00	83.40
						4/19/2012	24.05	NP	15.20	0.95	8.85	0.00	83.70
						10/23/2012	24.05	NP	15.67	0.95	8.38	0.00	83.23
						4/30/2013	24.05	NP	14.56	0.95	9.49	0.00	84.34
						10/2/2013	24.05	NP	14.80	0.95	9.25	0.00	84.10
						4/16/2014	24.05	NP	13.86	0.95	10.19	0.00	85.04
						11/25/2014	24.05	NP	14.56	0.95	9.49	0.00	84.34
MW-6	12/06/07	98.68	2	25	10-25	12/11/2007	24.95	14.38	14.39	N/A	10.56	0.01	84.30
						4/30/2008	NM	NP	13.19	N/A	13.19	0.00	85.49
						9/4/2008	24.88	NP	14.63	0.12	10.25	0.00	84.05
						7/30/2009	24.98	NP	12.82	0.02	12.16	0.00	85.86
						11/9/2009	24.98	NP	13.32	0.02	11.66	0.00	85.36
						11/2/2010	24.98	NP	12.64	0.02	12.34	0.00	86.04
						4/2/2010	24.98	NP	13.52	0.02	11.46	0.00	85.16
						10/25/2010	24.98	NP	14.80	0.02	10.18	0.00	83.88
						4/11/2011	24.98	NP	14.51	0.02	10.47	0.00	84.17
						10/26/2011	24.98	NP	14.99	0.02	9.99	0.00	83.69
						4/19/2012	24.98	NP	14.68	0.02	10.30	0.00	84.00
						10/23/2012	24.98	NP	15.13	0.02	9.85	0.00	83.55
						4/30/2013	24.98	NP	14.13	0.02	10.85	0.00	84.55
						10/2/2013	24.98	NP	14.38	0.02	10.60	0.00	84.30
						4/16/2014	24.98	NP	13.49	0.02	11.49	0.00	85.19
						11/25/2014	24.98	NP	14.32	0.02	10.66	0.00	84.36
MW-7	12/06/07	98.68	2	25	10-25	12/11/2007	24.96	NP	14.66	N/A	10.30	0.00	84.02
						4/30/2008	NM	NP	13.71	N/A	13.71	0.00	84.97
						9/4/2008	23.56	NP	14.13	1.44	9.43	0.00	84.55
						7/30/2009	23.82	NP	13.54	1.18	10.28	0.00	85.14
						11/9/2009	23.82	NP	14.72	1.18	9.10	0.00	83.96
						11/2/2010	23.82	NP	12.91	1.18	10.91	0.00	85.77
						4/2/2010	23.82	NP	13.59	1.18	10.23	0.00	85.09
						10/25/2010	23.82	NP	15.09	1.18	8.73	0.00	83.59
						4/11/2011	23.82	NP	14.74	1.18	9.08	0.00	83.94
						10/26/2011	23.82	NP	15.35	1.18	8.47	0.00	83.33
						4/19/2012	23.82	NP	15	1.18	8.82	0.00	83.68
						10/23/2012	23.82	NP	15.54	1.18	8.28	0.00	83.14
						4/30/2013	23.82	NP	14.34	1.18	9.48	0.00	84.34
						10/2/2013	23.82	NP	14.61	1.18	9.21	0.00	84.07
						4/16/2014	23.82	NP	13.56	1.18	10.26	0.00	85.12
						11/25/2014	23.82	NP	14.65	1.18	9.17	0.00	84.03

Table 2 - Summary of Well Construction and Groundwater Elevation Data
Times Turnaround #39
6751 Wilkinson boulevard, Belmont, Gaston County, North Carolina, 28012
Groundwater Incident # 27732

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 Free Product (feet)	Depth to Static Water Level (feet)	Diff. Between As-built and Measured Total Depth (feet)	Measured Water Column in Well (feet)	Free Product Thickness (feet)	Groundwater Elevation (feet)
DMW-1	10/29/04	99.17	2	45	40-45	11/1/2004	45.39	NP	14.24	-0.39	31.15	0.00	84.93
						6/21/2007	46.33	NP	13.86	-1.33	32.47	0.00	85.31
						4/30/2008	NM	NP	13.99	N/A	13.99	0.00	85.18
						9/4/2008	45.27	NP	14.33	-0.27	30.94	0.00	84.84
						7/30/2009	45.34	NP	13.73	-0.34	31.61	0.00	85.44
						11/9/2009	45.34	NP	14.01	-0.34	31.33	0.00	85.16
						1/12/2010	45.34	NP	13.20	-0.34	32.14	0.00	85.97
						4/22/2010	45.34	NP	13.92	-0.34	31.42	0.00	85.25
						10/25/2010	45.34	NP	15.46	-0.34	29.88	0.00	83.71
						4/11/2011	45.34	NP	15.17	-0.34	30.17	0.00	84.00
						10/26/2011	45.34	NP	15.70	-0.34	29.64	0.00	83.47
						4/19/2012	45.34	NP	15.40	-0.34	29.94	0.00	83.77
						10/23/2012	45.34	NP	15.89	-0.34	29.45	0.00	83.28
						4/30/2013	45.34	NP	14.78	-0.34	30.56	0.00	84.39
						10/2/2013	45.34	NP	15.00	-0.34	30.34	0.00	84.17
						4/16/2014	45.34	NP	14.04	-0.34	31.30	0.00	85.13
						11/25/2014	45.34	NP	15.06	-0.34	30.28	0.00	84.11
RW-1	04/09/04	98.96	4	24	4-24	4/9/2004	NM	NP	13.31	N/A	10.69	0.00	85.65
						4/10/2004	NM	NP	12.68	N/A	11.32	0.00	86.28
						4/19/2004	NM	12.16	14.91	N/A	9.09	2.75	86.11
						4/23/2004	NM	15.41	15.80	N/A	8.20	0.39	83.45
						8/23/2004	NM	12.95	15.32	N/A	8.68	2.37	85.42
						11/1/2004	NM	13.53	15.32	N/A	8.68	1.79	84.98
						6/21/2007	NM	13.20	15.02	N/A	8.98	1.82	85.31
						12/11/2007	NM	14.62	15.57	N/A	8.43	0.95	84.10
						4/30/2008	NM	13.48	14.38	N/A	9.62	0.90	85.26
						8/4/2008	NM	14.19	15.45	N/A	8.55	1.26	84.46
						9/4/2008	22.80	13.94	14.21	1.20	9.79	0.27	84.95
						7/30/2009	22.80	13.48	13.52	1.20	9.28	0.04	85.47
						11/9/2009	22.80	NP	13.75	1.20	9.05	0.00	85.21
						1/12/2010	22.80	NP	12.91	1.20	9.89	0.00	86.05
						4/22/2010	22.80	NP	13.52	1.20	9.28	0.00	85.44
						10/25/2010	22.80	NP	15.15	1.20	7.65	0.00	83.81
						4/11/2011	NM	NP	14.73	N/A	9.27	0.00	84.23
						10/26/2011	22.80	NP	15.33	1.20	7.47	0.00	83.63
						4/19/2012	22.80	NP	15.07	1.20	7.73	0.00	83.89
						10/23/2012	22.80	NP	15.65	1.20	7.15	0.00	83.31
						4/30/2013	22.80	NP	14.31	1.20	8.49	0.00	84.65
						10/2/2013	22.80	NP	14.57	1.20	8.23	0.00	84.39
						4/16/2014	22.80	NP	13.48	1.20	9.32	0.00	85.48
11/25/2014	22.80	NP	14.59	1.20	8.21	0.00	84.17						
RW-2	04/09/04	99.01	4	23	3-23	4/9/2004	NM	12.90	13.12	N/A	9.88	0.22	86.06
						4/10/2004	NM	11.82	12.16	N/A	10.84	0.34	87.11
						4/19/2004	NM	12.29	14.75	N/A	8.25	2.46	86.11
						4/23/2004	NM	16.41	16.51	N/A	6.49	0.10	82.58
						8/23/2004	NM	12.90	15.65	N/A	7.35	2.75	85.42
						11/1/2004	NM	13.55	15.15	N/A	7.85	1.60	85.06
						6/21/2007	NM	13.31	14.45	N/A	8.55	1.14	85.42
						12/11/2007	NM	14.36	15.60	N/A	7.40	1.24	84.34
						4/30/2008	NM	13.43	14.58	N/A	8.42	1.15	85.29
						8/4/2008	NM	14.22	15.43	N/A	7.57	1.21	84.49
						9/4/2008	23.50	13.60	15.40	-0.50	8.10	1.8	84.96
						7/30/2009	23.50	13.49	13.50	-0.50	10.00	0.01	85.52
						11/9/2009	23.50	13.57	14.35	-0.50	9.15	0.78	85.25
						1/12/2010	23.50	12.85	12.86	-0.50	10.64	0.01	86.16
						4/22/2010	23.50	13.46	13.48	-0.50	10.02	0.02	85.55
						10/25/2010	23.50	14.90	16.10	-0.50	7.40	1.20	83.81
						4/11/2011	NM	14.61	15.27	NA	7.73	0.66	84.24
						10/26/2011	23.50	NP	15.46	-0.50	8.04	0.00	83.55
						4/19/2012	23.50	15.02	15.03	-0.50	8.47	0.01	83.99
						10/23/2012	23.50	15.66	15.82	-0.50	7.68	0.16	83.31
						4/30/2013	23.50	14.31	14.50	-0.50	9.00	0.19	84.65
						10/2/2013	23.50	14.75	14.80	-0.50	8.70	0.05	84.25
						4/16/2014	23.50	13.61	13.80	-0.50	9.70	0.19	85.25
11/25/2014	23.50	NP	14.54	-0.50	8.96	0.00	84.47						

Table 2 - Summary of Well Construction and Groundwater Elevation Data
Times Turnaround #39
6751 Wilkinson boulevard, Belmont, Gaston County, North Carolina, 28012
Groundwater Incident # 27732

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 Free Product (feet)	Depth to Static Water Level (feet)	Diff. Between As-built and Measured Total Depth (feet)	Measured Water Column in Well (feet)	Free Product Thickness (feet)	Groundwater Elevation (feet)
RW-3	04/09/04	99.66	4	22.5	2.5-22.5	4/10/2004	NM	NP	13.85	N/A	8.65	0.00	85.81
						4/19/2004	NM	NP	13.94	N/A	8.56	0.00	85.72
						4/23/2004	NM	NP	14.30	N/A	8.20	0.00	85.36
						11/1/2004	24.55	NP	14.65	-2.05	7.85	0.00	85.01
						6/21/2007	NM	14.33	14.80	N/A	7.70	0.47	85.21
						12/11/2007	NM	NP	15.47	N/A	7.03	0.00	84.19
						4/30/2008	NM	14.49	14.50	N/A	8.00	0.01	85.17
						8/4/2008	NM	NP	15.30	N/A	7.20	0.00	84.36
						9/4/2008	23.82	14.90	14.91	-1.32	8.91	0.01	84.75
						7/30/2009	23.82	NP	14.42	-1.32	9.40	0.00	85.24
						11/9/2009	23.82	NP	14.62	-1.32	9.20	0.00	85.04
						1/12/2010	23.82	NP	13.74	-1.32	10.08	0.00	85.92
						4/22/2010	23.82	NP	14.34	-1.32	9.48	0.00	85.32
						10/25/2010	23.82	NP	15.89	-1.32	7.93	0.00	83.77
						4/11/2011	NM	NP	15.57	N/A	6.93	0.00	84.09
						10/26/2011	23.82	NP	16.21	-1.32	7.61	0.00	83.45
						4/19/2012	23.82	NP	15.97	-1.32	7.85	0.00	83.69
						10/23/2012	23.82	NP	16.52	-1.32	7.30	0.00	83.14
						4/30/2013	23.82	NP	15.15	-1.32	8.67	0.00	84.51
						10/2/2013	23.82	NP	15.45	-1.32	8.37	0.00	84.21
4/16/2014	23.82	NP	14.37	-1.32	9.45	0.00	85.29						
11/25/2014	23.82	NP	15.49	-1.32	8.33	0.00	84.17						
RW-4	08/17/04	99.08	4	20	5-20	8/23/2004	NM	NP	13.30	N/A	6.70	0.00	86.36
						11/1/2004	NM	13.45	14.25	N/A	5.75	0.80	85.43
						6/21/2007	NM	13.16	13.31	N/A	6.69	0.15	85.88
						12/11/2007	NM	14.26	14.68	N/A	5.32	0.42	84.72
						3/30/2008	NM	13.35	13.41	N/A	6.59	0.06	85.72
						8/4/2008	NM	14.12	14.20	N/A	5.80	0.08	84.94
						9/4/2008	19.15	13.60	13.62	0.85	5.53	0.02	85.48
						7/30/2009	19.17	NP	13.11	0.83	6.06	0.00	85.97
						11/9/2009	19.17	NP	13.43	0.83	5.74	0.00	85.65
						1/12/2010	19.17	NP	12.48	0.83	6.69	0.00	86.60
						4/22/2010	19.17	NP	12.94	0.83	6.23	0.00	86.14
						10/25/2010	19.17	NP	14.70	0.83	4.47	0.00	84.38
						4/11/2011	NM	NP	14.32	N/A	5.68	0.00	84.76
						10/26/2011	19.17	NP	14.92	0.83	4.25	0.00	84.16
						4/19/2012	19.17	NP	14.70	0.83	4.47	0.00	84.38
						10/23/2012	19.17	NP	15.30	0.83	3.87	0.00	83.78
						4/30/2013	19.17	NP	13.85	0.83	5.32	0.00	85.23
						10/2/2013	19.17	NP	14.01	0.83	5.16	0.00	85.07
						4/16/2014	19.17	NP	12.94	0.83	6.23	0.00	86.14
						11/25/2014	19.17	NP	14.15	0.83	5.02	0.00	84.93

Notes:

- Elevations are relative to an assigned value of 100.00 feet for monitoring well MW-1; data reported in feet.
- NP = No Measurable Product**
- NA = Not Available
- ND = Not Detected
- NM = Not Measured
- N/A = Not Applicable
- Water Elevations in wells containing free product were calculated by:

$$\text{Water Elevation} = (\text{TOC elevation} - \text{Depth to water}) + (\text{Product thickness} \times 0.75)$$
 Where 0.75 is an assumed specific density for LPH

Table 3
Summary of Historical LPH Thickness and Recovery Data
Times Turnaround #39
Belmont, North Carolina
Facility ID#0-0212991

Well Location	Date	Depth to LPH (Feet)	Depth to Groundwater (Feet)	LPH Thickness (Feet)	Type of Recovery	Average Effluent Velocity (ft/min)	Average Effluent Temperature (F)	Average Effluent Concentration (ppm)	Total Volatized (gallons)	LPH Recovered (gallons)	Waste Water Recovered (gallons)
RW-1	04/09/04	NP	13.31	0.00	AFVR	1,197	195	150,300	25.61	92	285
	04/10/04	NP	12.68	0.00							
	04/19/04	12.16	14.91	2.75	MMPE	6,000	109.0	100,000	1,054.75	100.50	1,591.50
	04/23/04	15.41	15.80	0.39							
	08/23/04	12.95	15.32	2.37	MMPE	2,768	146.0	8,943	53.86	78.67	1,897.33
	08/28/04	NP	N/A	0.00							
	09/10/07	13.91	15.70	1.79	MMPE	2,729	155.0	26,555	10.31	126.75	880
	09/14/07	NP	21.38	0.00							
	02/11/08	13.80	15.93	2.13	MMPE	4,095	97.8	21,040	14.18	14.75	943
	02/15/08	NP	16.85	0.00							
	04/30/08	13.48	14.38	0.90							
	08/04/08	14.19	15.45	1.26	MMPE	4,113	115.8	43,938	51.46	9.67	1,176.67
	08/08/08	NP	18.75	0.00							
	09/04/08	13.94	14.21	0.27							
	04/06/09	12.64	13.93	1.29	MMPE	4,257	150.6	30,000	17.45	5.40	924.20
	04/10/09	NP	15.79	0.00							
	05/11/09	13.24	13.36	0.12	MMPE	4,750	107.14	7,842	7.05	2.75	940.75
	05/15/09	NP	14.86	0.00							
	06/22/09	12.95	13.00	0.05	MMPE	3,957	113.00	4,757	4.73	0.00	1,176.67
	06/26/09	NP	16.32	0.00							
	07/30/09	13.48	13.52	0.04							
	10/12/09	14.23	14.35	0.12	MMPE	4,110	100.5	8,714	10.17*	0.00	1604.07*
	10/16/09	NP	20.03	0.00							
	11/10/09	NP	13.75	0.00							
	12/07/09	NP	13.12	0.00	MMPE	3,572	90.00	7,727	4.495	0.00	1,123.50
	12/11/09	NP	11.30	0.00							
	01/12/10	NP	12.91	0.00							
	03/22/10	12.54	12.62	0.08	MMPE	4,507	96.93	3,764	7.05	0.00	1,078.00
	03/26/10	NP	15.61	0.00							
	04/22/10	NP	13.52	0.00							
	07/19/10	NP	14.53	0.00	MMPE	3,350	100.30	4,060	2.51	0.00	735
	07/23/10	NP	16.12	0.00							
	09/20/10	14.99	15.00	0.01	MMPE	5,480	111.40	6,710	7.625	0.00	525
09/25/10	NP	19.90	0.00								
10/25/10	NP	15.15	0.00								
03/07/11	15.14	15.15	0.01	MMPE	2,520	97.00	5,600	16.09	0.00	1,545	
03/11/11	NP	20.09	0.00								
04/11/11	NP	14.73	0.00								
09/10/12	NP	15.57	0.00	MMPE	2,250	136.00	2,314	13.99	0.00	1,972	
09/14/12	NP	18.83	0.00								
10/27/14	NP	14.61	0.00	MMPE	4,000	104.00	2,467	6.73	0.00	1,335	
10/31/14	NP	18.82	0.00								

Table 3
Summary of Historical LPH Thickness and Recovery Data
Times Turnaround #39
Belmont, North Carolina
Facility ID#0-0212991

Well Location	Date	Depth to LPH (Feet)	Depth to Groundwater (Feet)	LPH Thickness (Feet)	Type of Recovery	Average Effluent Velocity (ft/min)	Average Effluent Temperature (F)	Average Effluent Concentration (ppm)	Total Volatized (gallons)	LPH Recovered (gallons)	Waste Water Recovered (gallons)
RW-2	04/09/04	12.90	13.12	0.22	AFVR	1,197	195	150,300	25.61	92	285
	04/10/04	11.82	12.16	0.34							
	04/19/04	12.29	14.75	2.46	MMPE	6,000	109.0	100,000	1,054.75	100.50	1,591.50
	04/23/04	16.41	16.51	0.10							
	08/23/04	12.90	15.65	2.75	MMPE	2,768	146.0	8,943	53.86	78.67	1,897.33
	08/28/04	NP	N/A	0.00							
	09/10/07	14.03	15.18	1.15	MMPE	2,729	155.0	26,555	10.31	126.75	880
	09/14/07	15.00	15.05	0.05							
	02/11/08	13.81	14.96	1.15	MMPE	4,095	97.8	21,040	14.18	14.75	943
	02/15/08	NP	15.87	0.00							
	04/30/08	13.43	14.58	1.15							
	08/04/08	14.22	15.43	1.21	MMPE	4,113	115.75	43,938	51.46	9.67	1,176.67
	08/08/08	17.21	17.22	0.01							
	09/04/08	13.60	15.40	1.80							
	04/06/09	12.64	13.88	1.24	MMPE	4,257	150.57	30,000	17.45	5.40	924.20
	04/10/09	NP	16.79	0.00							
	05/11/09	13.10	13.13	0.03	MMPE	4,750	107.14	7,842	7.05	2.75	940.75
	05/15/09	NP	14.11	0.00							
	06/22/09	12.99	13.01	0.02	MMPE	3,957	113.00	4,757	4.73	0.00	1,176.67
	06/26/09	NP	15.73	0.00							
	07/30/09	13.49	13.50	0.01							
	10/12/09	13.81	13.91	0.10	MMPE	4,110	100.5	8,714	10.17*	0.00	1604.07*
	10/16/09	NP	17.53	0.00							
	11/10/09	13.57	14.35	0.78							
	12/07/09	12.95	13.68	0.73	MMPE	3,572	90.00	7,727	4.495	0.00	1,123.50
	12/11/09	NP	11.84	0.00							
	01/12/10	12.85	12.86	0.01							
	03/22/10	12.40	12.93	0.53	MMPE	4,507	96.93	3,764	7.05	0.00	1,078.00
	03/27/10	NP	19.56	0.00							
	04/22/10	13.46	13.48	0.02							
07/19/10	14.46	14.53	0.07	MMPE	3,350	100.30	4,060	2.51	0.00	735	
07/23/10	NP	17.89	0.00								
09/20/10	14.62	15.87	1.25	MMPE	5,480	111.40	6,710	7.625	0.00	525	
09/25/10	NP	18.64	0.00								
10/25/10	14.90	16.10	1.20								

Table 3
Summary of Historical LPH Thickness and Recovery Data
Times Turnaround #39
Belmont, North Carolina
Facility ID#0-0212991

Well Location	Date	Depth to LPH (Feet)	Depth to Groundwater (Feet)	LPH Thickness (Feet)	Type of Recovery	Average Effluent Velocity (ft/min)	Average Effluent Temperature (F)	Average Effluent Concentration (ppm)	Total Volatized (gallons)	LPH Recovered (gallons)	Waste Water Recovered (gallons)	
RW-2 Cont.	01/28/11	15.05	16.08	1.03								
	02/15/11	15.05	15.88	0.83	Skimming Socks/hand bailing	NA	NA	NA	NA	0.92	NA	
	03/03/11	15.13	15.78	0.65	Skimming Socks/hand bailing	NA	NA	NA	NA	0.89	NA	
	03/07/11	15.04	15.49	0.45	Skimming Socks	NA	NA	NA	NA	0.41	NA	
	03/07/11	15.04	15.49	0.45	MMPE	2,520	97.00	5,600	16.09	0.00	1,545	
	03/11/11	NP	21.21	0.00								
	04/06/11	14.90	15.51	0.61	Skimming Socks	NA	NA	NA	NA	0.47	NA	
	04/11/11	14.61	15.27	0.66	Skimming Socks/hand bailing	NA	NA	NA	NA	0.45	NA	
	04/29/11	14.58	15.25	0.67	Skimming Socks/hand bailing	NA	NA	NA	NA	1.76	NA	
	05/17/11				Skimming Socks/hand bailing	NA	NA	NA	NA	1.54	NA	
	06/01/11				Skimming Socks/hand bailing	NA	NA	NA	NA	1.37	NA	
	06/07/11				Skimming Socks/hand bailing	NA	NA	NA	NA	0.75	NA	
	06/15/11				Skimming Socks	NA	NA	NA	NA	0.68	NA	
	06/21/11				Skimming Socks	NA	NA	NA	NA	0.66	NA	
	06/28/11				Skimming Socks	NA	NA	NA	NA	0.58	NA	
	07/15/11				Skimming Socks/hand bailing	NA	NA	NA	NA	0.87	NA	
	08/24/11				Skimming Socks/hand bailing	NA	NA	NA	NA	0.88	NA	
	09/23/11				Skimming Socks	NA	NA	NA	NA	0.38	NA	
	09/30/11				Skimming Socks	NA	NA	NA	NA	0.30	NA	
	10/07/11				Skimming Socks	NA	NA	NA	NA	0.00	NA	
	10/26/11				Skimming Socks	NA	NA	NA	NA	0.33	NA	
	10/28/11				Skimming Socks	NA	NA	NA	NA	0.00	NA	
	11/16/11				Skimming Socks	NA	NA	NA	NA	0.09	NA	
	Additional Passive LNAPL Recovery Data is Summarized on Table 4											
	09/10/12	15.55	15.56	0.01	MMPE	2,250	136.00	2,314	14.00	0.00	1,972	
	09/14/12	NP	19.42	0.00								
	Additional Passive LNAPL Recovery Data is Summarized on Table 4											
	10/27/14	NP	14.58	0.00	MMPE	4,000	104.00	2,467	6.73	0.00	1,335	
10/31/14	NP	15.92	0.00									
Additional Passive LNAPL Recovery Data is Summarized on Table 4												

Table 3
Summary of Historical LPH Thickness and Recovery Data
Times Turnaround #39
Belmont, North Carolina
Facility ID#0-0212991

Well Location	Date	Depth to LPH (Feet)	Depth to Groundwater (Feet)	LPH Thickness (Feet)	Type of Recovery	Average Effluent Velocity (ft/min)	Average Effluent Temperature (F)	Average Effluent Concentration (ppm)	Total Volatized (gallons)	LPH Recovered (gallons)	Waste Water Recovered (gallons)
RW-3	04/09/04	NP	N/A	0.00							
	04/10/04	NP	13.85	0.00							
	04/19/04	NP	13.94	0.00							
	04/23/04	NP	14.30	0.00							
	09/10/07	15.02	15.70	0.68	MMPE	2,729	155.0	26,555	10.31	126.75	880
	09/14/07	NP	15.21	0.00							
	02/11/08	NP	14.81	0.00							
	02/15/08	NP	15.87	0.00							
	04/30/08	14.49	14.50	0.01							
	08/04/08	NP	15.30	0.00							
	09/04/08	14.90	14.91	0.01							
	04/06/09	NP	13.69	0.00	MMPE	4,257	150.57	30,000	17.45	5.40	924.20
	04/10/09	NP	14.22	0.00							
	05/11/09	NP	14.02	0.00	MMPE	4,750	107.14	7,842	7.05	2.75	940.75
	05/15/09	NP	14.86	0.00							
	06/22/09	NP	13.83	0.00							
	06/26/09	NP	14.50	0.00							
	07/30/09	NP	14.42	0.00							
	10/12/09	NP	14.74	0.00	MMPE	4,110	100.5	8,714	4.17*	0.00	658.08*
	10/16/09	NP	16.81	0.00							
	11/10/09	NP	14.62	0.00							
	12/07/09	NP	13.97	0.00	MMPE	3,572	90.00	7,727	4.495	0.00	1,123.50
	12/11/09	NP	11.39	0.00							
	01/12/10	NP	13.74	0.00							
	04/22/10	NP	14.34	0.00							
	07/19/10	NP	15.43	0.00	MMPE	3,350	100.30	4,060	2.51	0.00	735
	07/23/10	NP	17.12	0.00							
	09/20/10	NP	15.89	0.00	MMPE	5,480	111.40	6,710	7.625	0.00	525
09/25/10	NP	18.62	0.00								
10/25/10	NP	15.89	0.00								

Table 3
Summary of Historical LPH Thickness and Recovery Data
Times Turnaround #39
Belmont, North Carolina
Facility ID#0-0212991

Well Location	Date	Depth to LPH (Feet)	Depth to Groundwater (Feet)	LPH Thickness (Feet)	Type of Recovery	Average Effluent Velocity (ft/min)	Average Effluent Temperature (F)	Average Effluent Concentration (ppm)	Total Volatized (gallons)	LPH Recovered (gallons)	Waste Water Recovered (gallons)
RW-4	08/23/04	NP	13.30	0.00	MMPE	2,768	146	8,943	53.86	78.67	1,897.33
	08/28/04	NP	N/A	0.00							
	09/10/07	13.92	14.06	0.14	MMPE	2,729	155.0	26,555	10.31	126.75	880
	09/14/07	12.05	12.23	0.18							
	02/11/08	13.72	13.88	0.16	MMPE	4,095	97.8	21,040	14.18	14.75	943
	02/15/08	NP	15.63	0.00							
	04/30/08	13.35	13.41	0.06							
	08/04/08	14.12	14.20	0.08	MMPE	4,113	115.75	43,938	51.46	9.67	1,176.67
	08/08/08	NP	19.21	0.00							
	09/04/08	13.60	13.62	0.02							
	04/06/09	NP	12.56	0.00	MMPE	4,257	150.57	30,000	17.45	5.40	924.20
	04/10/09	NP	13.29	0.00							
	05/11/09	NP	12.27	0.00	MMPE	4,750	107.14	7,842	7.05	2.75	940.75
	05/15/09	NP	13.26	0.00							
	06/22/09	NP	12.61	0.00	MMPE	3,957	113.00	4,757	4.73	0.00	1,176.67
	06/26/09	NP	13.00	0.00							
	07/30/09	NP	13.11	0.00							
	10/12/09	NP	13.53	0.00	MMPE	4,110	100.5	8,714	1.57*	0.00	246.78*
	10/16/09	NP	14.41	0.00							
	11/10/09	NP	13.43	0.00							
	12/07/09	NP	12.78	0.00	MMPE	3,572	90.00	7,727	1.31	0.00	328*
	12/11/09	NP	12.10	0.00							
	01/12/10	NP	12.48	0.00							
04/22/10	NP	12.94	0.00								
07/19/10	NP	14.01	0.00	MMPE	3,350	100.30	4,060	2.51	0.00	735	
07/23/10	NP	14.81	0.00								
09/20/10	NP	14.50	0.00	MMPE	5,480	111.40	6,710	7.625	0.00	525	
09/24/10	NP	16.55	0.00								
10/25/10	NP	14.70	0.00								

Table 3
Summary of Historical LPH Thickness and Recovery Data
Times Turnaround #39
Belmont, North Carolina
Facility ID#0-0212991

Well Location	Date	Depth to LPH (Feet)	Depth to Groundwater (Feet)	LPH Thickness (Feet)	Type of Recovery	Average Effluent Velocity (ft/min)	Average Effluent Temperature (F)	Average Effluent Concentration (ppm)	Total Volatized (gallons)	LPH Recovered (gallons)	Waste Water Recovered (gallons)
MW-4	02/11/08	13.73	14.11	0.38	MMPE	4,095	97.8	21,040	14.18	14.75	943
	02/15/08	NP	15.55	0.00							
	04/30/08	NP	13.50	0.00							
	08/04/08	NP	14.34	0.00							
	09/04/08	NP	13.88	0.00							
	04/06/09	NP	12.65	0.00	MMPE	4,257	150.57	30,000	17.45	5.40	924.20
	04/10/09	NP	14.54	0.00							
	05/11/09	NP	13.14	0.00							
	05/15/09	NP	14.09	0.00							
	06/22/09	NP	12.82	0.00							
	06/26/09	NP	13.51	0.00							
	07/30/09	NP	13.36	0.00							
	10/12/09	NP	14.89	0.00							
	10/16/09	NP	15.08	0.00							
	11/10/09	NP	13.53	0.00							
12/07/09	NP	12.95	0.00	MMPE	3,572	90.00	7,727	4.495	0.00	1,123.50	
12/11/09	NP	15.24	0.00								
01/12/10	NP	12.70	0.00								
Totals Recovered From Cumulative Wells Per Event (Gallons)									2,851.81	1,267.35	53,575.01

Notes:

AFVR = Aggressive Fluid Vapor Recovery
MMPE = Mobile-Multi Phase Extraction
LPH = Liquid Phase Petroleum Hydrocarbons
NR = No LPH recovery
N/A = Not applicable
F = Fahrenheit
ft/mn = feet per minute
ppm = Parts per million
NP = No free product detected
* = Based on % time fluid was removed (~23.3% for MW-4, and RW-1 through RW-3, and 6.8% for RW-4)

Table 4
Passive LNAPL Recovery Data (RW-2)
Times Turnaround #39

Belmont, Gaston County, NC
Incident Number: 27732
Shield Project #1040063

Well ID	Date	Well Diameter (in)	Total Depth (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	LNAPL Recovery Method	Actual MW Sock Weight (lbs.)	Actual MW Sock Weight (Ounces)	Weight of sorbent socks	Conversion of lbs & ounces to lbs. (lbs.)	LNAPL Recovered (gal.)	LNAPL Recovered by Hand Bailing (gal.)	Total LNAPL Recovered (gal.)	Comments
RW-2	1/28/2011	4	23.50	15.05	16.08	1.03	Skimming Sock	0	0	4	0.00	0.00	0	0.00	Installed 4 Socks (Weight 4oz)
	2/15/2011	4	23.50	15.05	15.88	0.83	Skimming Sock	2	13	4	2.81	0.42	0.5	0.92	Changed Socks (Weight 4oz)
	3/3/2011	4	23.50	15.13	15.78	0.65	Skimming Sock	2	11	4	2.69	0.39	0.5	0.89	Changed Socks (Weight 4oz)
	3/7/2011	4	23.50	15.04	15.49	0.45	Skimming Sock	2	12	4	2.75	0.41	0	0.41	Removed Socks for MMPE event
	3/11/2011	4	23.50	NM	21.21	0.00	Skimming Sock	0	0	4	0.00	0.00	0	0.00	Installed 4 Socks (Weight 4oz) after MMPE event
	4/6/2011	4	23.50	14.90	15.51	0.61	Skimming Sock	3	2	4	3.13	0.47	0	0.47	Changed Socks (Weight 4oz)
	4/11/2011	4	23.50	14.61	15.27	0.66	Skimming Sock	1	8	4	1.50	0.20	0.25	0.45	Changed Socks (Weight 4oz)
	4/29/2011	4	23.50	14.58	15.25	0.67	Skimming Sock	2	8	4	2.50	0.36	1.4	1.76	Changed Socks (Weight 4oz)
	5/17/2011	4	23.50	14.59	15.13	0.54	Skimming Sock	3	4	4	3.25	0.49	1.05	1.54	Changed Socks (Weight 4oz)
	6/1/2011	4	23.50	14.38	15.00	0.62	Skimming Sock	2	9	4	2.56	0.37	1	1.37	Changed Socks (Weight 4oz)
	6/7/2011	4	23.50	14.55	14.82	0.27	Skimming Sock	2	9	4	2.56	0.37	0.375	0.75	Changed Socks (Weight 4oz)
	6/15/2011	4	23.50	14.69	14.93	0.24	Skimming Sock	2	10	4	2.63	0.38	0	0.38	Changed Socks (Weight 4oz)
	6/15/2011*	4	23.50	14.74	14.84	0.10	Skimming Sock	2	2	4	2.13	0.30	0	0.30	Changed Socks (Weight 4oz)
	6/21/2011	4	23.50	14.77	14.95	0.18	Skimming Sock	2	14	4	2.88	0.43	0	0.43	Changed Socks (Weight 7oz)
	6/21/2011*	4	23.50	NM	NM	NM	Skimming Sock	1	14	7	1.88	0.23	0	0.23	Changed Socks (Weight 7oz)
	6/28/2011	4	23.50	14.82	14.96	0.14	Skimming Sock	2	11	7	2.69	0.36	0	0.36	Changed Socks (Weight 8oz)
	6/28/2011*	4	23.50	NM	NM	NM	Skimming Sock	1	14	8	1.88	0.22	0	0.22	Changed Socks (Weight 7oz)
	7/15/2011	4	23.50	15.31	15.50	0.19	Skimming Sock	2	12	7	2.75	0.37	0.5	0.87	Changed Socks (Weight 6oz)
	8/24/2011	4	23.50	15.23	15.52	0.29	Skimming Sock	2	13	7	2.81	0.38	0.5	0.88	Changed Socks (Weight 7oz)
	9/23/2011	4	23.50	15.23	15.25	0.02	Skimming Sock	2	13	7	2.81	0.38	0	0.38	Changed Socks (Weight 7oz)
9/30/2011	4	23.50	NM	15.31	0.00	Skimming Sock	2	5	7	2.31	0.30	0	0.30	Did not install socks	
10/7/2011	4	23.50	15.37	15.45	0.08	NA	0	0	0	0.00	0.00	0	0.00	Changed Socks (Weight 7oz)	

Table 4
Passive LNAPL Recovery Data (RW-2)
Times Turnaround #39

Belmont, Gaston County, NC
Incident Number: 27732
Shield Project #1040063

Well ID	Date	Well Diameter (in)	Total Depth (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	LNAPL Recovery Method	Actual MW Sock Weight (lbs.)	Actual MW Sock Weight (Ounces)	Weight of sorbent socks	Conversion of lbs & ounces to lbs. (lbs.)	LNAPL Recovered (gal.)	LNAPL Recovered by Hand Bailing (gal.)	Total LNAPL Recovered (gal.)	Comments
	10/26/2011	4	23.50	NM	15.46	0.00	Skimming Sock	2	8	7	2.50	0.33	0	0.33	Did not install socks
	10/28/2011	4	23.50	15.40	15.42	0.02	NA	0	0	0	0.00	0.00	0	0.00	Changed Socks (Weight 1oz)
	11/16/2011	4	23.50	15.34	15.43	0.09	Skimming Sock	0	10	1	0.63	0.09	0	0.09	Changed Socks (Weight 5oz)
	11/28/2011	4	23.50	NM	15.42	0.00	Skimming Sock	2	3	5	2.19	0.30	0	0.30	Changed Socks (Weight 5oz)
	12/9/2011	4	23.50	NM	15.36	0.00	Skimming Sock	1	6	5	1.38	0.17	0	0.17	Changed Socks (Weight 5oz)
	12/16/2011	4	23.50	NM	15.31	0.00	Skimming Sock	0	15	5	0.94	0.10	0	0.10	Changed Socks (Weight 3oz)
	12/28/2011	4	23.50	NM	15.03	0.00	Skimming Sock	0	15	3	0.94	0.12	0	0.12	Changed Socks (Weight 1oz)
	1/10/2012	4	23.50	14.89	14.94	0.05	Skimming Sock	0	9	1	0.56	0.08	0	0.08	Changed Socks (Weight 3oz)
	1/20/2012	4	23.50	14.96	15.00	0.04	Skimming Sock	1	9	3	1.56	0.22	0	0.22	Changed Socks (Weight 5oz), Handballed 1 gallon water, product sheen observed in water
	1/27/2012	4	23.50	NM	14.90	0.00	Skimming Sock	2	0	5	2.00	0.27	0	0.27	Changed Socks (Weight 5oz), bail checked - no free product
	2/2/2012	4	23.50	NM	14.82	0.00	Skimming Sock	1	2	5	1.13	0.13	0	0.13	Changed Socks (Weight 5oz), bail checked - no free product
	2/10/2012	4	23.50	NM	14.89	0.00	Skimming Sock	2	6	5	2.38	0.33	0	0.33	Changed Socks (Weight 5oz), bail checked - no free product
	2/17/2012	4	23.50	NM	14.91	0.00	Skimming Sock	1	9	5	1.56	0.20	0	0.20	Changed Socks (Weight 5oz), bail checked - no free product
	2/24/2012	4	23.50	NM	14.91	0.00	Skimming Sock	1	7	5	1.44	0.18	0	0.18	Changed Socks & reused 2 socks not fully saturated (Weight 13oz), bail checked - no free product
	3/2/2012	4	23.50	NM	15.06	0.00	Skimming Sock	1	8	13	1.50	0.11	0	0.11	Changed Socks (Weight 5oz), bail checked - no free product
	3/9/2012	4	23.50	NM	14.91	0.00	Skimming Sock	0	13	5	0.81	0.08	0	0.08	Changed Socks (Weight 5oz), bail checked - no free product
	3/16/2012	4	23.50	NM	15.60	0.00	Skimming Sock	1	4	5	1.25	0.15	0	0.15	Changed Socks (Weight 5oz), bail checked - no free product
	3/23/2012	4	23.50	NM	14.97	0.00	Skimming Sock	1	8	5	1.50	0.19	0	0.19	Changed Socks (Weight 5oz), bail checked - no free product
	3/29/2012	4	23.50	NM	15.07	0.00	Skimming Sock	1	5	5	1.31	0.16	0	0.16	Changed Socks (Weight 5oz), bail checked - no free product
	4/5/2012	4	23.50	NM	15.06	0.00	Skimming Sock	1	6	5	1.38	0.17	0	0.17	Did not install socks
	4/19/2012	4	23.50	15.02	15.03	0.01	NA	0	0	0	0.00	0.00	0	0.00	Did not install socks

Table 4
Passive LNAPL Recovery Data (RW-2)
Times Turnaround #39

Belmont, Gaston County, NC
Incident Number: 27732
Shield Project #1040063

Well ID	Date	Well Diameter (in)	Total Depth (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	LNAPL Recovery Method	Actual MW Skimming Sock Weight (lbs.)	Actual MW Skimming Sock Weight (Ounces)	Weight of sorbent socks	Conversion of lbs & ounces to lbs. (lbs.)	LNAPL Recovered (gal.)	LNAPL Recovered by Hand Bailing (gal.)	Total LNAPL Recovered (gal.)	Comments
	5/11/2012	4	23.50	15.20	15.27	0.07	NA	0	0	0	0.00	0.00	0	0.00	Installed 2 Socks (Weight 3oz)
	5/18/2012	4	23.50	15.06	15.07	0.01	Skimming Sock	1	8	3	1.50	0.21	0	0.21	Changed Socks (Weight 1oz)
	5/25/2012	4	23.50	14.91	14.92	0.01	Skimming Sock	0	14	1	0.88	0.13	0	0.13	Changed Socks (Weight 1oz)
	6/1/2012	4	23.50	14.91	14.93	0.02	Skimming Sock	0	13	1	0.81	0.12	0	0.12	Changed Socks (Weight 1oz)
	6/8/2012	4	23.50	15.00	15.03	0.03	Skimming Sock	0	12	1	0.75	0.11	0	0.11	Changed Socks (Weight 1oz)
	6/15/2012	4	23.50	15.09	15.10	0.01	Skimming Sock	0	12	1	0.75	0.11	0	0.11	Installed 2 Socks (Weight 3oz)
	6/22/2012	4	23.50	NM	15.21	0.00	Skimming Sock	1	3	3	1.19	0.16	0	0.16	Changed Socks (Weight 1oz)
	8/20/2012	4	23.50	NM	15.37	0.00	Skimming Sock	0	12	1	0.75	0.11	0	0.11	Did not install socks
	8/24/2012	4	23.50	NM	15.45	0.00	NA	0	0	0	0.00	0.00	0	0.00	Did not install socks
	8/31/2012	4	23.50	15.56	15.57	0.01	NA	0	0	0	0.00	0.00	0	0.00	Did not install socks
	9/7/2012	4	23.50	NM	15.46	0.00	NA	0	0	0	0.00	0.00	0	0.00	Did not install socks
	9/10/2012	4	23.50	15.55	15.56	0.01	NA	0	0	0	0.00	0.00	0	0.00	Did not install socks
	9/21/2012	4	23.50	15.50	15.60	0.10	Skimming Sock	0	0	0	0.00	0.00	0.25	0.25	Changed Socks (Weight 1 oz)
	9/28/2012	4	23.50	15.56	15.69	0.13	Skimming Sock	0	10	1	0.63	0.09	0.25	0.34	Installed 2 Socks (Weight 3 oz)
	10/19/2012	4	23.50	15.50	15.80	0.30	Skimming Sock	1	9	3	1.56	0.22	0	0.22	Installed 3 Socks (Weight 5 oz)
	10/23/2012	4	23.50	15.66	15.82	0.16	Skimming Sock	2	9	5	2.56	0.36	0	0.36	Installed 3 Socks (Weight 5 oz)
	11/1/2012	4	23.50	15.70	15.84	0.14	Skimming Sock	2	1	5	2.06	0.28	0.5	0.78	Installed 3 Socks (Weight 6 oz)
	11/7/2012	4	23.50	NM	15.77	0.00	Skimming Sock	2	5	6	2.31	0.31	0	0.31	Installed 1 Sock (Weight 1 oz)
	12/7/2012	4	23.50	15.65	15.78	0.13	Skimming Sock	0	11	1	0.69	0.10	0.25	0.35	Installed 1 Sock (Weight 1 oz)
	1/30/2013	4	23.50	14.90	15.06	0.16	Skimming Sock	0	13	1	0.81	0.12	0.2	0.32	Installed 2 Socks (Weight 3oz)
	2/8/2013	4	23.50	15.01	15.14	0.13	Skimming Sock	1	12	3	1.75	0.25	0.2	0.45	Installed 2 Socks (Weight 3oz)
	2/21/2013	4	23.50	14.95	15.10	0.15	Skimming Sock	1	8	3	1.50	0.21	0.2	0.41	Installed 2 Socks (Weight 3oz)
	3/6/2013	4	23.50	14.64	14.65	0.01	Skimming Sock	1	10	3	1.63	0.23	0	0.23	Did not install socks
	3/15/2013	4	23.50	14.52	14.58	0.06	NA	0	0	0	0.00	0.00	0.2	0.20	Installed 1 Sock (Weight 1 oz)
	4/5/2013	4	23.50	14.34	14.44	0.10	Skimming Sock	0	13	1	0.81	0.12	0.2	0.32	Installed 1 Sock (Weight 1 oz)

Table 4
Passive LNAPL Recovery Data (RW-2)
Times Turnaround #39

Belmont, Gaston County, NC
Incident Number: 27732
Shield Project #1040063

Well ID	Date	Well Diameter (in)	Total Depth (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	LNAPL Recovery Method	Actual MW Skimming Sock Weight (lbs.)	Actual MW Skimming Sock Weight (Ounces)	Weight of sorbent socks	Conversion of lbs & ounces to lbs. (lbs.)	LNAPL Recovered (gal.)	LNAPL Recovered by Hand Bailing (gal.)	Total LNAPL Recovered (gal.)	Comments
	4/26/2013	4	23.50	14.46	14.48	0.02	Skimming Sock	0	12	1	0.75	0.11	0.2	0.31	Installed 1 Sock (Weight 1 oz)
	4/30/2013	4	23.50	14.31	14.50	0.19	Skimming Sock	0	14	1	0.88	0.13	0.2	0.33	Did not install socks
	5/17/2013	4	23.50	14.06	14.15	0.09	NA	0	0	0	0.00	0.00	0.02	0.02	Installed 1 Sock (Weight 1 oz)
	5/31/2013	4	23.50	14.24	14.42	0.18	Skimming Sock	0	14	1	0.88	0.13	0.02	0.15	Installed 2 Socks (Weight 3oz)
	6/13/2013	4	23.50	14.05	14.12	0.07	Skimming Sock	1	8	3	1.50	0.21	0.02	0.23	Installed 2 Socks (Weight 3oz)
	6/27/2013	4	23.50	14.01	14.60	0.59	Skimming Sock	1	2	3	1.13	0.15	0	0.15	Installed 2 Socks (Weight 3oz)
	7/10/2013	4	23.50	15.25	15.72	0.47	Skimming Sock	1	1	3	1.06	0.14	0.02	0.16	Installed 2 Socks (Weight 3oz)
	7/18/2013	4	23.50	13.60	13.61	0.01	Skimming Sock	1	5	3	1.31	0.18	0.02	0.20	Installed 1 Sock (Weight 1 oz)
	8/5/2013	4	23.50	13.70	13.90	0.20	Skimming Sock	0	10	1	0.63	0.09	0.02	0.11	Installed 2 Socks (Weight 3oz)
	8/16/2013	4	23.50	14.02	14.18	0.16	Skimming Sock	1	14	3	1.88	0.27	0.02	0.29	Installed 2 Socks (Weight 3oz)
	8/19/2013	4	23.50	NM	13.69	0.00	Skimming Sock	2	9	3	2.56	0.38	0	0.38	Did not install socks
	8/26/2013	4	23.50	14.01	14.14	0.13	NA	0	0	0	0.00	0.00	0.02	0.02	Installed 2 Socks (Weight 3oz)
	9/10/2013	4	23.50	14.41	14.52	0.11	Skimming Sock	2	10	3	2.63	0.39	0.2	0.59	Installed 2 Socks (Weight 3oz)
	9/20/2013	4	23.50	14.56	14.66	0.10	Skimming Sock	1	4	3	1.25	0.17	0.2	0.37	Installed 2 Socks (Weight 3oz)
	9/27/2013	4	23.50	14.50	14.58	0.08	Skimming Sock	1	2	3	1.13	0.15	0.5	0.65	Installed 2 Socks (Weight 3oz)
	10/2/2013	4	23.50	14.75	14.80	0.05	Skimming Sock	1	10	3	1.63	0.23	0.1	0.33	Installed 2 Socks (Weight 3oz)
	10/14/2013	4	23.50	NM	14.73	0.00	NA	1	10	3	1.63	0.23	0	0.23	Did not install socks
	10/18/2013	4	23.50	NM	14.74	0.00	NA	0	0	0	0.00	0.00	0	0.00	Did not install socks
	10/25/2013	4	23.50	14.89	14.90	0.01	NA	0	0	0	0.00	0.00	0.02	0.02	Did not install socks
	11/8/2013	4	23.50	15.55	15.56	0.01	NA	0	0	0	0.00	0.00	0	0.00	Did not install socks
	11/22/2013	4	23.50	15.33	15.36	0.03	NA	0	0	0	0.00	0.00	0	0.00	Did not install socks
	12/6/2013	4	23.50	14.76	14.80	0.04	NA	0	0	0	0.00	0.00	0	0.00	Installed 2 Socks (Weight 3oz)
	12/20/2013	4	23.50	NM	14.81	0.00	NA	0	9	3	0.56	0.06	0	0.06	Did not install socks
	1/3/2014	4	23.50	NM	14.24	0.00	NA	0	0	0	0.00	0.00	0	0.00	Did not install socks
	1/17/2014	4	23.50	NM	13.70	0.00	NA	0	0	0	0.00	0.00	0	0.00	Did not install socks
	2/4/2014	4	23.50	NM	13.80	0.00	NA	0	0	0	0.00	0.00	0	0.00	Did not install socks

Table 4
Passive LNAPL Recovery Data (RW-2)
Times Turnaround #39

Belmont, Gaston County, NC
Incident Number: 27732
Shield Project #1040063

Well ID	Date	Well Diameter (in)	Total Depth (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	LNAPL Recovery Method	Actual MW Skimming Sock Weight (lbs.)	Actual MW Skimming Sock Weight (Ounces)	Weight of sorbent socks	Conversion of lbs & ounces to lbs. (lbs.)	LNAPL Recovered (gal.)	LNAPL Recovered by Hand Bailing (gal.)	Total LNAPL Recovered (gal.)	Comments
	2/11/2014	4	23.50	NM	14.16	0.00	NA	0	0	0	0.00	0.00	0	0.00	Did not install socks
	2/18/2014	4	23.50	NM	13.92	0.00	NA	0	0	0	0.00	0.00	0	0.00	Did not install socks
	2/25/2014	4	23.50	13.77	13.80	0.03	NA	0	0	0	0.00	0.00	0	0.00	Did not install socks
	3/3/2014	4	23.50	NM	13.76	0.00	NA	0	0	0	0.00	0.00	0	0.00	Did not install socks
	3/14/2014	4	23.50	13.60	13.64	0.04	NA	0	0	0	0.00	0.00	0.02	0.02	Installed 1 Sock (Weight 1 oz)
	3/21/2014	4	23.50	14.50	14.53	0.03	Skimming Sock	0	13	1	0.81	0.12	0.02	0.14	Installed 1 Sock (Weight 1 oz)
	3/28/2014	4	23.50	14.33	14.35	0.02	Skimming Sock	0	8	1	0.50	0.07	0.02	0.09	Installed 1 Sock (Weight 1 oz)
	4/4/2014	4	23.50	13.54	13.76	0.22	Skimming Sock	1	1	1	1.06	0.16	0.02	0.18	Installed 1 Sock (Weight 1 oz)
	4/11/2014	4	23.50	NM	13.57	0.00	Skimming Sock	1	0	1	1.00	0.15	0	0.15	Installed 1 Sock (Weight 1 oz)
	4/16/2014	4	23.50	13.61	13.80	0.19	Skimming Sock	0	12	1	0.75	0.11	0.2	0.31	Installed 1 Sock (Weight 1 oz)
	4/24/2014	4	23.50	12.95	13.06	0.11	Skimming Sock	0	7	1	0.44	0.06	0	0.06	Installed 1 Sock (Weight 1 oz)
	5/31/2014	4	23.50	13.55	13.85	0.30	Skimming Sock	1	13	1	1.81	0.28	0	0.28	Installed 1 Sock (Weight 1 oz)
	6/3/2014	4	23.50	13.75	14.00	0.25	Skimming Sock	0	13	1	0.81	0.12	0	0.12	Installed 1 Sock (Weight 1 oz)
	6/17/2014	4	23.50	13.89	13.94	0.05	Skimming Sock	0	15	1	0.94	0.14	0	0.14	Installed 1 Sock (Weight 1 oz)
	7/3/2014	4	23.50	13.97	14.02	0.05	Skimming Sock	0	11	1	0.69	0.10	0	0.10	Installed 1 Sock (Weight 1 oz)
	7/9/2014	4	23.50	14.18	14.49	0.31	Skimming Sock	0	11	1	0.69	0.10	0.2	0.30	Installed 1 Sock (Weight 1 oz)
	7/22/2014	4	23.50	14.18	14.81	0.63	Skimming Sock	0	3	1	0.19	0.02	0.2	0.22	Installed 1 Sock (Weight 1 oz)
	8/8/2014	4	23.50	16.32	17.72	1.40	Skimming Sock	0	3	1	0.19	0.02	0.2	0.22	Installed 1 Sock (Weight 1 oz)
	8/20/2014	4	23.50	14.05	14.06	0.01	Skimming Sock	0	13	1	0.81	0.12	0	0.12	Installed 1 Sock (Weight 1 oz)
	8/25/2014	4	23.50	NM	14.00	0.00	Skimming Sock	0	0	1	0.00	0.00	0	0.00	Installed 1 Sock (Weight 1 oz)
	8/28/2014	4	23.50	NM	14.02	0.00	Skimming Sock	0	0	1	0.00	0.00	0	0.00	Installed 1 Sock (Weight 1 oz)
	9/3/2014	4	23.50	NM	14.12	0.00	Skimming Sock	0	0	1	0.00	0.00	0	0.00	Installed 1 Sock (Weight 1 oz)
	9/15/2014	4	23.50	NM	14.15	0.00	Skimming Sock	0	4	1	0.25	0.03	0	0.03	Installed 1 Sock (Weight 1 oz)
	9/18/2014	4	23.50	NM	14.21	0.00	Skimming Sock	0	1	1	0.06	0.00	0	0.00	Installed 1 Sock (Weight 1 oz)
	9/24/2014	4	23.50	NM	14.26	0.00	Skimming Sock	0	0	1	0.00	0.00	0	0.00	Installed 1 Sock (Weight 1 oz)

Table 4
Passive LNAPL Recovery Data (RW-2)
Times Turnaround #39

Belmont, Gaston County, NC
Incident Number: 27732
Shield Project #1040063

Well ID	Date	Well Diameter (in)	Total Depth (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	LNAPL Recovery Method	Actual MW Skimming Sock Weight (lbs.)	(Ounces)	Weight of sorbent socks	Conversion of lbs & ounces to lbs. (lbs.)	LNAPL Recovered (gal.)	LNAPL Recovered by Hand Bailing (gal.)	Total LNAPL Recovered (gal.)	Comments
	10/27/2014	4	23.50	NM	14.58	0.00	MMPE	0	0	1	0.00	**	0	**	Did not install socks
	10/31/2014	4	23.50	NM	18.82	0.00	MMPE	0	0	0	0.00	**	0	**	Installed 1 Sock (Weight 1 oz)
	11/25/2014	4	23.50	NM	14.59	0.00	Skimming Sock	0	0	1	0.00	0.00	0	0.00	Installed 1 Sock (Weight 1 oz)
	12/4/2014	4	23.50	NM	14.25	0.00	Skimming Sock	0	2	1	0.13	0.01	0	0.01	Installed 1 Sock (Weight 1 oz)
Total:												18.26	10.785	29.04	

Notes:

1. MW - Monitoring Well
 2. Monitoring Well Skimming Socks manufactured by New Pig
 3. LNAPL - Light Non Aqueous Phase Liquid
 4. ND - Not Detected
 5. Gallon recovered = (weight (lbs)-(original weight of socks in oz/16oz/lb) x 0.162 gal/lb
- * = Four skimming socks were placed in RW-2 following the removal of used socks and were left in the well for approximately 15 minutes on 6/15/11, one hour on 6/21/11 and 30 minutes on 6/28/11.
- ** = See Table 3 - Summary of Historical LPH Thickness and Recovery Data for MMPE event data

Table 5 - Summary of Analytical Results - Groundwater Samples
Times Turnaround #39
6751 Wilkinson Boulevard, Belmont, Gaston County, North Carolina, 28012
Groundwater Incident # 27732

Analytical Method-->		EPA 6200B												
Parameter -->		Benzene	Toluene	Ethylbenzene	Total Xylenes	Methyl-tert-butyl Ether (MTBE)	Isopropylether (IPE)	Naphthalene	1,2-Dichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Isopropylbenzene	sec-Butylbenzene	n-Propylbenzene
15A NCAC 2L.0202 Standard ² -->		1	600	600	500	20	70	6	0.4	400	400	70	70	70
15A NCAC 2L.0115 Gross Contamination Level ³ -->		5,000	260,000	84,500	85,500	20,000	70,000	6,000	400	28,500	2,500	25,000	8,500	70,000
Location	Date	ug/L ⁴	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-1	11/25/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-2	11/25/2014	ND	ND	ND	ND	3.4	0.97	ND	ND	ND	ND	ND	ND	ND
MW-3	11/25/2014	ND	ND	ND	ND	0.70	ND	ND	ND	ND	ND	ND	0.54	ND
MW-4	11/25/2014	47.5	1.6	9.8	3.9	50.9	16.1	23.9	ND	82.4	21.3	8.1	6.2	20
MW-5	11/25/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-6	11/25/2014	ND	ND	ND	ND	151	71.2	ND	ND	ND	ND	ND	ND	ND
MW-7	11/25/2014	25.2	1.1	41	18.8	7.1	1.4	16.4	ND	ND	2.8	3	ND	4.9
DMW-1	11/25/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW-1	11/25/2014	514	1,860	ND	3,590	ND	ND	298	ND	817	221	28.7	ND	71.7
RW-2	11/25/2014	2,470	20,100	2,680	15,770	ND	211	1,120	ND	2,610	634	ND	ND	272
RW-3	11/25/2014	ND	ND	ND	0.85	5.8	13.6	ND	ND	ND	ND	0.72	1.1	ND
RW-4	11/25/2014	6.5	90.7	139	981	ND	ND	287	ND	1,040	305	32.6	ND	67.9
Trip Blank	11/25/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES

- MADEP = Massachusetts Department of Environmental Protection -Volatile Petroleum Hydrocarbon (VPH) analytical test method.
 - 15A NCAC 2L.0202 = NCDENR Standard Statute for non-risked based maximum allowable containment concentration in groundwater.
 - Gross Contamination Levels = NCDENR Standard Statute for risked based maximum gross contamination levels for groundwater.
 - ug/l = Micrograms per liter.
 - ND = Not detected at or above the method detection limit specified in the laboratory report.
 - NR = Analysis not requested
 - NS- LPH = Not sampled due to presence of Liquid Phase Hydrocarbons.
- Bold values were detected at or above IL Standards**
Italicized values were detected at or above the GCLs

Table 6 - Summary of Historical Analytical Results - Groundwater Samples
 Times Turnaround #39
 6751 Wilkinson Boulevard, Belmont, Gaston County, North Carolina, 28012
 Groundwater Incident # 27732

Analytical Method-->		EPA 601/602 or 6210D																			EPA 303C	EPA 5041 or 6210D	VPH ¹				
Parameter ----->		Benzene	Toluene	Ethylbenzene	Total Xylenes	Methyl-tert-butyl Ether (MTBE)	Isopropyl ether (IPE)	Naphthalene	1,2-Dichloroethane	1,2,4-Trichlorobenzene	1,3,5-Trichlorobenzene	Chloroform	Isopropylbenzene	m-Tolylbenzene	o-Tolylbenzene	tert-Butylbenzene	m-Propylbenzene	1-Chloroethane	Chloroethane	1,1,2-Trichloroethane	Styrene	Lead	EDB	Aliphatics (C5-C8)	Aliphatics (C9-C12)	Aromatics (C9-C10)	
15A NCAC 2L.0202 Standard ² -->		1	600	600	500	20	70	6	0.4	400	400	70	70	70	70	70	70	---	3	---	100	15	0.0004	420	4200	210	
15A NCAC 2L.0115 Gross Contamination Level ² -->		5,000	260,000	84,500	85,500	20,000	70,000	6,000	400	28,500	2,500	70,000	25,000	6,900	8,500	15,000	30,000	---	3,000	---	100,000	15,000	50	---	---	---	
Location	Date	ug/L ³	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-1	11/1/2004	ND ⁴	ND	ND	ND	4.2	ND	ND	ND	ND	ND	3.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/21/2007	ND	ND	ND	ND	4.2	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR ⁵	ND	ND	ND	ND	
	9/4/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	
	7/30/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
	11/10/2009	ND	ND	ND	ND	465	38.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
	1/12/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
	4/22/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
	10/25/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.61	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
	4/4/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
	10/26/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
	4/19/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
	10/23/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.61	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
	4/30/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
	10/2/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
4/16/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR		
11/25/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR		
MW-2	11/1/2004	ND	ND	ND	ND	44	94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	6/21/2007	ND	ND	ND	ND	1000	52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	370	ND	ND	
	9/4/2008	ND	ND	ND	ND	780	55.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	682	ND	ND	
	7/30/2009	ND	ND	ND	ND	76.4	5.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
	11/10/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
	1/12/2010	ND	ND	ND	ND	73.7	8.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
	4/22/2010	1	ND	ND	ND	102	11.2	ND	ND	ND	ND	ND	ND	6.8	0.95	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
	10/25/2010	ND	ND	ND	ND	156	17.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
	4/4/2011	ND	ND	ND	ND	68.9	7.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
	10/26/2011	ND	ND	ND	ND	70.3	8.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
	4/19/2012	ND	ND	ND	ND	32.5	4.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
	10/23/2012	ND	ND	ND	ND	33	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
	4/30/2013	ND	ND	ND	ND	4.9	0.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
	10/2/2013	ND	ND	ND	ND	3.4	0.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
4/16/2014	ND	ND	ND	ND	0.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR		
11/25/2014	ND	ND	ND	ND	3.4	0.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR		

Table 6 - Summary of Historical Analytical Results - Groundwater Samples

Times Turnaround #39
 6751 Wilkinson Boulevard, Belmont, Gaston County, North Carolina, 28012
 Groundwater Incident # 27732

Analytical Method---->		EPA 601/602 or 6210D																		EPA 3030C	EPA 504.1 or 6210D	VPH ¹				
Parameter ---->		Benzene	Toluene	Ethylbenzene	Total Xylenes	Methyl-tert-butyl Ether (MTBE)	Isopropyltoluene (IPT)	Naphthalene	1,2-Dichloroethane	1,2,4-Trinitrobenzene	1,3,5-Trinitrobenzene	Chloroform	Isopropylbenzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	n-Pentylbenzene	1-Chlorobutane	Chlorobutane	1,1,2-Trichloroethane	Styrene	Lead	EDD	Aliphatics (C3-C8)	Aliphatics (C9-C12)	Aromatics (C9-C10)
Location	Date	ug/L ¹	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
15A NCAC 21L-0202 Standard ² ---->		1	600	600	500	20	70	6	0.4	400	400	70	70	70	70	70	70	3	3	100	15	0.0004	420	4200	210	
15A NCAC 21L-0315 Gross Contamination Level ² ---->		5,000	260,000	84,500	85,500	20,000	70,000	6,000	400	28,500	2,500	70,000	25,000	6,900	8,500	15,000	30,000	3,000	3,000	100,000	15,000	50	---	---	---	
MW-3	12/11/2007	0.53	0.58	1.5	6.8	20	20.9	2.4	ND	2.4	ND	ND	ND	0.53	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	
	9/4/2008	ND	ND	0.64	3.3	15.6	16.2	5.2	ND	0.66	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	
	7/30/2009	ND	ND	ND	1.7	10.9	10.8	2.0	ND	2.1	1.7	ND	ND	ND	2.3	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
	11/10/2009	ND	ND	0.65	1.3	9.7	10.1	ND	ND	2.1	1.3	ND	ND	ND	2.1	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
	1/12/2010	1.8	2.3	7.1	15.8	4.2	4.7	7.9	ND	13	5.9	ND	2.8	ND	2.7	ND	2.6	ND	ND	ND	NR	ND	NR	NR	NR	
	4/22/2010	1.4	2	8.9	23.8	3.8	4.9	7.6	ND	21	9.5	ND	3.1	ND	3.9	ND	3.2	ND	ND	ND	NR	ND	NR	NR	NR	
	10/25/2010	ND	ND	3	8.2	9.9	8.9	3.9	ND	2.2	ND	ND	ND	ND	ND	0.51	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	4/4/2011	1.2	2.4	7.3	24.9	3.8	3.4	7.3	ND	10.2	2.8	ND	0.55	ND	ND	ND	1.4	ND	ND	ND	NR	ND	NR	NR	NR	
	10/26/2011	ND	ND	0.80	1.9	5.6	4.3	ND	ND	1.9	ND	ND	ND	0.85	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	4/19/2012	ND	ND	3.20	5.8	0.75	3.3	ND	ND	5.1	1.1	ND	0.54	ND	ND	ND	0.75	ND	ND	ND	NR	ND	NR	NR	NR	
	10/23/2012	ND	ND	1.3	2	4.2	3.1	ND	ND	2.1	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	4/30/2013	ND	ND	ND	ND	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	10/2/2013	ND	ND	ND	ND	0.53	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	4/16/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.54	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	11/25/2014	ND	ND	ND	ND	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
MW-4	12/11/2007	1,520	1,540	429	3,450	19,300	843	809	ND	1,600	525	ND	89.8	71.4	ND	231	181	ND	ND	ND	212	NR	ND	8,760	8,200	4,700
	9/4/2008	5,120	5,630	677	5,360	8,080	548	830	ND	1,200	367	ND	76.4	ND	ND	194	139	ND	ND	ND	NR	NR	25,100	26,500	3,380	
	7/30/2009	53.8	62.1	14.7	53.9	53.6	4.0	10.2	ND	24.6	ND	ND	ND	ND	ND	2.8	ND	ND	ND	6.6	NR	ND	NR	NR	NR	
	11/10/2009	1,680	2,110	564	4,780	4,060	303	523	ND	2,070	650	ND	28.7	ND	ND	ND	56.3	ND	ND	ND	NR	ND	NR	NR	NR	
	1/12/2010	729	508	169	1,018	1,260	104	195	ND	370	135	ND	13	ND	ND	ND	30	ND	ND	1.0	56.8	NR	ND	NR	NR	
	4/22/2010	70.8	406	262	1,038	378	30.4	284	ND	493	142	ND	27.2	ND	3.8	ND	57.7	ND	ND	ND	NR	ND	NR	NR	NR	
	10/25/2010	134	7.7	34.3	51.5	897	82	96.2	ND	24.2	12	ND	ND	ND	ND	6	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	4/4/2011	7.6	4.2	7.9	43.7	851	88.6	69.5	ND	55.8	23.3	ND	3.1	ND	ND	ND	4.1	ND	ND	ND	NR	ND	NR	NR	NR	
	10/26/2011	4.1	ND	7.8	12.2	1,020	106.0	44.9	ND	19.1	7.5	ND	ND	ND	4.3	ND	2.5	ND	ND	ND	6.2	NR	ND	NR	NR	
	4/19/2012	12	5.6	24.4	34.6	528	56.6	95.2	ND	93.1	23.4	ND	6.0	ND	ND	ND	10.6	ND	ND	ND	NR	ND	NR	NR	NR	
	10/23/2012	4.3	ND	ND	ND	974	139	ND	ND	ND	ND	ND	ND	2.7	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	4/30/2013	6.1	16.2	39.2	123.4	505	70.9	198	ND	221	62.7	ND	11.4	ND	3.6	ND	16.4	ND	ND	ND	9	NR	ND	NR	NR	
	10/2/2013	3	10.2	43.7	84	126	14	145	ND	208	60.7	ND	10.9	ND	ND	ND	22.6	ND	ND	ND	NR	ND	NR	NR	NR	
	4/16/2014	3.2	5.5	61.4	72.9	106	13.2	91.5	ND	207	61.9	ND	13.4	ND	ND	ND	31.2	ND	ND	ND	2.3	NR	ND	NR	NR	
	11/25/2014	47.5	1.6	9.8	3.9	50.9	16.1	23.9	ND	82.4	21.3	ND	8.1	ND	6.2	ND	20	ND	ND	ND	NR	ND	NR	NR	NR	

Table 6 - Summary of Historical Analytical Results - Groundwater Samples
 Times Turnaround #39
 6751 Wilkinson Boulevard, Belmont, Gaston County, North Carolina, 28012
 Groundwater Incident # 27732

Analytical Method---->		EPA 601/602 or 6210D																			EPA 3050C	EPA 504.1 or 6210D	VPH ¹			
Parameter ---->		Benzene	Toluene	Ethylbenzene	Total Xylenes	Methyl tert-butyl Ether (MTBE)	Isopropyl ether (IPE)	Naphthalene	1,2-Dichloroethane	1,2,4-Trichlorobenzene	1,3,5-Trichlorobenzene	Chloroform	Isopropylbenzene	m-Dichlorobenzene	o-Dichlorobenzene	tert-Butylbenzene	m-Propylbenzene	4,4-Dibromodiphenyl ether	Chlorobenzene	Styrene	Lead	EDH	Alphaltes (CS CB)	Alphaltes (C9 C12)	Arenaltes (C9 C10)	
ISA NCAC 21.0202 Standard ¹ ---->		1	600	600	500	20	70	6	0.4	400	400	70	70	70	70	70	70	70	3	100	15	0.0004	420	4200	210	
ISA NCAC 21.0115 Gross Contamination Level ² ---->		5,000	260,000	84,500	85,500	20,000	70,000	6,000	400	28,500	2,500	70,000	25,000	6,900	8,500	15,000	30,000	---	3,000	100,000	15,000	50	---	---	---	
Location	Date	ug/L ⁴	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-5	12/11/2007	5	ND	ND	36.2	1.270	490	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	1,120	105	ND	
	9/4/2008	3.5	ND	ND	4.9	938	322	ND	ND	0.74	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	NR	NR	1,270	ND	ND	
	7/30/2009	ND	ND	ND	ND	57.4	16.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	11/10/2009	ND	ND	ND	ND	214	188	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	1/12/2010	ND	ND	ND	ND	136	48.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	4/22/2010	ND	ND	ND	ND	98	15.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	10/25/2010	ND	ND	ND	ND	11.6	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	4/4/2011	ND	ND	ND	ND	5.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	10/26/2011	ND	ND	ND	ND	0.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	4/19/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	10/23/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	4/30/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	10/2/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	4/16/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
11/25/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR		
MW-6	12/11/2007	48.1	26.8	96.2	699	249	73.6	36.1	ND	317	88.6	ND	12.3	ND	ND	ND	32.3	ND	ND	ND	NR	ND	494	2,010	1,050	
	9/4/2008	106	16.6	94.0	140	541	177	92.2	2.9	143	ND	ND	17.3	6.8	124	22.1	35.9	14.8	ND	ND	NR	NR	1,250	1,910	509	
	7/30/2009	46.4	6.1	27.9	72.6	132	62.1	20.2	1.0	52.3	ND	ND	ND	ND	ND	ND	9.9	ND	ND	ND	NR	ND	NR	NR	NR	
	11/10/2009	0.55	ND	ND	32.6	332	170	11	3.3	ND	4.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	1/12/2010	33.4	7.1	18.4	140	298	128	34	2.3	50.3	13.9	ND	4.9	ND	ND	ND	7.6	ND	ND	ND	NR	ND	NR	NR	NR	
	4/22/2010	93	27.5	50	329	449	192	129	3.0	227	44.7	ND	13.8	ND	ND	ND	23	ND	ND	ND	NR	ND	NR	NR	NR	
	10/25/2010	ND	ND	ND	ND	33.1	8.2	ND	ND	1.6	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	4/4/2011	ND	ND	ND	ND	21	7.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	10/26/2011	ND	ND	ND	ND	18.1	5.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	4/19/2012	0.55	ND	ND	ND	63.4	18.1	ND	ND	ND	ND	ND	0.57	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	10/23/2012	ND	ND	ND	ND	78.4	26.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	4/30/2013	0.7	ND	ND	0.74	134	62.7	2.9	0.66	ND	ND	ND	1.5	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	10/2/2013	ND	ND	ND	ND	55.5	26.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	4/16/2014	2.3	1.2	ND	6.5	206	90.4	14.8	1	2	ND	ND	3.2	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
11/25/2014	ND	ND	ND	ND	151	71.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR		

Table 6 - Summary of Historical Analytical Results - Groundwater Samples

Times Turnaround #39

6751 Wilkinson Boulevard, Belmont, Gaston County, North Carolina, 28012

Groundwater Incident # 27732

Analytical Method---->		EPA 601/602 or 6210D																			EPA 503/9C	EPA 504/3 or 6210D	VPH ¹			
Parameter ----->	Benzene	Toluene	Ethylbenzene	Total Xylenes	Methyl tert-butyl Ether (MTBE)	Isopropyl ether (IPE)	Naphthalene	1,2-Dichloroethane	1,2,4-Trichloroethane	1,2,4-Trichlorobenzene	Chlorobenzene	Isopropylbenzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	n-Propylbenzene	1-Chloroethane	Chloroethane	1,1,2-Trichloroethane	Styrene	Lead	ROB	Aliphatics (C5-C8)	Aliphatics (C9-C12)	Aromatics (C9-C11)	
15A NCAC 2L.0202 Standard ¹ --->	1	600	600	500	20	70	6	0.4	400	400	70	70	70	70	70	—	3	—	100	15	0.0004	420	4200	210		
15A NCAC 2L.0115 Gross Contamination Level ² --->	5,000	260,000	84,500	85,500	20,000	70,000	6,000	400	28,500	2,500	70,000	25,000	6,900	8,500	15,000	30,000	—	3,000	—	100,000	15,000	50	—	—	—	
Location	Date	ug/L ¹	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
MW-7	12/11/2007	1,070	710	14.6	880	2,370	300	237	ND	122	ND	32.1	4.7	ND	ND	16.1	ND	ND	ND	ND	NR	ND	5,170	2,200	824	
	9/4/2008	1,410	867	147	997	875	187	385	ND	182	70.9	ND	55.1	11.7	158	ND	64.8	37.1	10.5	2.3	ND	NR	NR	8,890	7,840	1,260
	7/30/2009	1,840	3,120	494	1,808	751	126	289	ND	399	129	ND	42.8	ND	ND	69.5	ND	ND	ND	ND	NR	ND	NR	NR	NR	NR
	11/10/2009	1,500	2,050	376	2,023	371	93.7	1,220	ND	741	128	ND	33.7	ND	ND	39.7	ND	ND	ND	ND	NR	ND	NR	NR	NR	NR
	1/12/2010	291	117	99.6	397	302	47.9	246	ND	244	94.8	ND	18	ND	ND	20	ND	ND	ND	ND	NR	ND	NR	NR	NR	NR
	4/22/2010	375	302	176	266.1	348	54.9	95.8	ND	94.5	51.6	ND	20.6	ND	3.7	ND	22.1	ND	ND	ND	NR	ND	NR	NR	NR	NR
	10/25/2010	318	8.2	61.8	55.7	265	45	38.8	ND	7.5	1.7	ND	8.6	ND	ND	ND	3.4	ND	ND	ND	NR	ND	NR	NR	NR	NR
	4/4/2011	15.7	ND	5.6	4.4	162	18	13.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	NR
	10/26/2011	ND	ND	ND	ND	176	13.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	NR
	4/19/2012	0.79	ND	ND	1.3	136	14.5	ND	ND	ND	ND	ND	0.84	ND	1.10	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	NR
	10/23/2012	ND	ND	ND	ND	126	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	NR
	4/30/2013	2	0.56	ND	10.5	51.2	6.6	ND	ND	ND	ND	ND	2.2	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	NR
	10/2/2013	6	1	24.7	8.3	39.4	6.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.3	ND	ND	ND	NR	ND	NR	NR	NR	NR
	4/16/2014	9	2.6	57.4	10.7	9.6	3	19.5	ND	1.3	ND	ND	7.1	2.1	2.5	ND	6.8	ND	ND	ND	NR	ND	NR	NR	NR	NR
	11/25/2014	25.2	1.1	41.0	18.8	7.1	1.4	16.4	ND	2.8	ND	ND	3.0	1.2	ND	ND	4.9	ND	ND	ND	NR	ND	NR	NR	NR	NR
DMW-1	11/1/2004	23	58	8.4	51	52	ND	4.5	ND	ND	2.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	240	180	ND	
	6/21/2007	160	6.3	1.7	11.3	930	87	22	ND	ND	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	1,100	140	ND	
	9/4/2008	ND	ND	ND	ND	32.8	10.2	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	
	7/30/2009	ND	0.69	ND	ND	4.7	1.9	ND	ND	0.72	ND	1.7	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	11/10/2009	ND	ND	ND	ND	0.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	1/12/2010	ND	ND	ND	ND	ND	ND	6.3	ND	0.64	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	4/22/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	10/25/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	NR
	4/4/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	NR
	10/26/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	NR
	4/19/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	NR
	10/23/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	NR
	4/30/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	NR
	10/2/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	NR
	4/16/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	NR
11/25/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	NR	

Table 6 - Summary of Historical Analytical Results - Groundwater Samples
 Times Turnaround #39
 6751 Wilkinson Boulevard, Belmont, Gaston County, North Carolina, 28012
 Groundwater Incident # 27732

Analytical Method-->		EPA 601/602 or 6210D																		EPA 308C	EPA 504.1 or 6210D	VPH ¹				
Parameter-->		Benzene	Toluene	Ethylbenzene	Total Xylenes	Methyl-tert-butyl Ether (MTBE)	Isopropyl ether (IPE)	Naphthalene	1,2-Dichloroethane	1,2,4-Trichlorobenzene	1,2,5-Trichlorobenzene	Chloroform	Isopropylbenzene	m-Dichlorobenzene	o-Dichlorobenzene	tert-Dichlorobenzene	m-Propylbenzene	4-Chlorobenzonitrile	Chloroacetaldehyde	Styrene	Lead	HCB	Aliphatics (C5-C9)	Aliphatics (C9-C12)	Aromatics (C9-C10)	
15A NCAC 2L.0202 Standard-->		1	600	600	500	20	70	6	0.4	400	400	70	70	70	70	70	70	---	3	100	15	0.0004	420	4200	210	
15A NCAC 3L.0115 Gross Contamination Level-->		5,000	260,000	84,500	85,500	20,000	70,000	6,000	400	28,500	2,500	70,000	25,000	6,900	8,500	15,000	30,000	---	3,000	100,000	15,000	50	---	---	---	
Location	Date	ug/L ¹	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
RW-1	9/4/2008	NS-LPH ¹¹																								
	7/30/2009	NS-LPH																								
	11/10/2009	3,700	14,600	1,850	17,840	ND	28.4	1,660	ND	3,640	872	ND	ND	ND	ND	228	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	1/12/2010	6,380	14,100	1,490	12,640	ND	60.3	1,530	ND	2,810	778	ND	68.7	ND	ND	207	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	4/22/2010	7,580	19,900	1,670	15,730	ND	ND	1,690	ND	2,750	704	ND	ND	ND	ND	172	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	10/25/2010	2,610	14,300	1,390	15,390	ND	ND	918	ND	2,580	636	ND	125	ND	ND	107	ND	ND	ND	3.43	NR	ND	NR	NR	NR	
	4/4/2011	2,440	8,850	795	9,360	ND	ND	72.1	ND	1,370	360	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	10/26/2011	5,510	17,200	2,310	10,500	ND	ND	746	ND	2,060	561	ND	123	ND	ND	159	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	4/19/2012	5,830	15,300	2,140	9,260	ND	ND	849	ND	2,140	503	ND	76.8	ND	ND	849	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	10/23/2012	2,720	6,240	1,250	5,920	ND	ND	652	ND	1,550	391	ND	50.4	ND	ND	122	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	4/30/2013	1,410	3,940	481	3,030	ND	ND	406		967	254	ND	78.2	ND	ND	66.4	ND	ND	ND	90.5	NR	ND	NR	NR	NR	
	10/2/2013	1,920	3,840	1,030	3,820	ND	ND	510	ND	1,190	306	ND	41.6	ND	ND	104	ND	ND	ND	20.4	NR	ND	NR	NR	NR	
	4/16/2014	2,180	5,900	1,270	6,720	ND	ND	545	ND	1,460	360	ND	47.6	ND	ND	131	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	11/25/2014	514	1,860	ND	3,590	ND	ND	298	ND	817	221	ND	28.7	ND	ND	71.7	ND	ND	ND	ND	NR	ND	NR	NR	NR	
RW-2	9/4/2008	NS-LPH																								
	7/30/2009	NS-LPH																								
	11/10/2009	NS-LPH																								
	1/12/2010	NS-LPH																								
	4/22/2010	NS-LPH																								
	10/25/2010	NS-LPH																								
	4/4/2011	NS-LPH																								
	10/26/2011	4,950	38,100	4,740	26,990	ND	ND	1,610	ND	5,390	1,550	ND	199	ND	ND	632	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	4/19/2012	4,850	27,800	3,150	18,940	ND	ND	1,320	ND	3,600	812	ND	ND	ND	ND	323	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	10/23/2012	NS-LPH																								
	4/30/2013	3,870	26,500	2,970	15,480	ND	ND	1,320	ND	3,080	649	ND	287	ND	ND	245	ND	ND	ND	414	NR	ND	NR	NR	NR	
	10/14/2013	2,870	24,800	2,990	13,450	ND	ND	1,170	ND	2,770	643	ND	ND	ND	ND	290	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	4/16/2014	NS-LPH																								
	11/25/2014	2,470	20,100	2,680	15,770	ND	ND	211	ND	2,610	634	ND	ND	ND	ND	272	ND	ND	ND	ND	NR	ND	NR	NR	NR	

Table 6 - Summary of Historical Analytical Results - Groundwater Samples

Times Turnaround #39
 6751 Wilkinson Boulevard, Belmont, Gaston County, North Carolina, 28012
 Groundwater Incident # 27732

Analytical Method---->	EPA 601/602 or 6210D																				EPA 5030C Lead	EPA 5041 or 6210D EDB	VPH ¹			
	Benzene	Toluene	Ethylbenzene	Total Xylenes	Methyl-tert-butyl Ether (MTBE)	Isopropyl Ether (IPE)	Naphthalene	1,2-Dichloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Chloroform	Isopropylbenzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	n-Pentylbenzene	1-Chlorobutane	Chlorobenzene	1,1,1-Trichloroethane	Styrene			Aliphatics (C5-C8)	Aliphatics (C9-C12)	Aromatics (C9-C10)	
15A NCAC 2L.0202 Standard ¹ ---->	1	600	600	500	20	70	6	0.4	400	400	70	70	70	70	70	70	---	3	---	100	15	0.0004	420	4200	210	
15A NCAC 2L.0115 Gross Contamination Level ² ---->	5,000	260,000	84,500	85,500	20,000	70,000	6,000	400	28,500	2,500	70,000	25,000	6,900	8,500	15,000	30,000	---	3,000	---	100,000	15,000	50	---	---	---	
Location	Date	ug/L ³	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
RW-3	9/4/2008	NS- LPH																								
	7/30/2009	3,620	5,700	771	4,980	1,810	176	653	ND	1,490	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	11/10/2009	2,190	2,920	E	8,180	1,860	236	1,190	ND	2,850	739	ND	110	ND	ND	ND	254	ND	ND	ND	ND	NR	ND	NR	NR	NR
	1/12/2010	1,400	735	211	1,987	687	90.6	531	ND	972	336	ND	27.2	ND	ND	ND	49.1	ND	ND	ND	ND	NR	ND	NR	NR	NR
	4/22/2010	73	32.1	73.9	234.4	328	40.2	227	ND	461	183	ND	11.3	ND	ND	69.4	18.1	ND	ND	ND	ND	NR	ND	NR	NR	NR
	10/25/2010	29.5	4.1	25.6	47.4	157	18.4	129	ND	19	13.8	ND	2.8	ND	16.5	ND	1.1	ND	ND	ND	2.9	NR	ND	NR	NR	NR
	4/4/2011	5.8	2.4	11.9	18.7	50.1	6.2	10.6	ND	9.5	2.6	ND	0.63	ND	ND	ND	1.4	ND	ND	ND	ND	NR	ND	NR	NR	NR
	10/26/2011	0.76	ND	ND	ND	31.8	4.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR
	4/19/2012	1.40	0.57	ND	1.57	24.2	4.2	19.2	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR
	10/23/2012	ND	ND	ND	ND	15.6	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR
	4/30/2013	ND	ND	ND	ND	9.9	2	ND	ND	ND	ND	ND	2.4	0.59	1.7	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR
	10/2/2013	ND	ND	ND	ND	7.2	1.5	ND	ND	ND	ND	ND	ND	ND	0.57	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR
	4/16/2014	ND	ND	ND	ND	3.5	1	ND	ND	ND	ND	ND	ND	ND	0.75	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR
11/25/2014	ND	ND	ND	0.85	5.8	13.6	ND	ND	ND	ND	ND	0.72	ND	1.1	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
RW-4	9/4/2008	NS- LPH																								
	7/30/2009	62.5	2,170	694	5,480	ND	ND	572	ND	ND	554	ND	ND	ND	ND	178	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	11/10/2009	69.8	3,440	1,150	7,780	ND	ND	1,480	ND	2,380	1,370	ND	90.8	ND	ND	297	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	1/12/2010	41.1	1,850	717	5,940	ND	ND	827	ND	2,200	682	ND	64	ND	ND	197	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	4/22/2010	22.5	1,130	440	3,930	ND	ND	472	ND	1,830	544	ND	42.4	ND	16.3	ND	159	ND	ND	ND	ND	NR	ND	NR	NR	
	10/25/2010	17.9	771	325	3,810	ND	ND	468	ND	1,760	466	ND	38.6	ND	ND	ND	85.8	ND	ND	ND	49.2	NR	ND	NR	NR	
	4/4/2011	8.2	441	170	2,521	ND	ND	321	ND	1,380	455	ND	19	ND	ND	ND	55.8	ND	ND	ND	ND	NR	ND	NR	NR	
	10/26/2011	7.9	317	213	1,589	ND	ND	216	ND	971	297	ND	30.2	ND	ND	ND	64.3	ND	ND	ND	ND	NR	ND	NR	NR	
	4/19/2012	6.2	260	145	1,370	ND	ND	231	ND	1,140	273	ND	21.7	ND	ND	ND	59.6	ND	ND	ND	ND	NR	ND	NR	NR	
	10/23/2012	5	203	164	1,034	ND	ND	217	ND	913	250	ND	20.2	ND	ND	ND	60.3	ND	ND	ND	ND	NR	ND	NR	NR	
	4/30/2013	5.4	229	154	1,267	ND	ND	280	ND	1,100	321	ND	23.5	ND	884	ND	52.8	ND	ND	ND	9.4	NR	ND	NR	NR	
	10/2/2013	8.2	188	112	1,118	ND	ND	247	ND	967	291	ND	23.1	ND	ND	ND	54.8	ND	ND	ND	ND	NR	ND	NR	NR	
	4/16/2014	5.7	112	106	965	ND	ND	234	ND	924	296	ND	18.6	ND	ND	ND	42.9	ND	ND	ND	ND	NR	ND	NR	NR	
11/25/2014	6.5	90.7	139	981	ND	ND	287	ND	1,040	305	ND	32.6	ND	ND	ND	67.9	ND	ND	ND	ND	NR	ND	NR	NR		

Table 6 - Summary of Historical Analytical Results - Groundwater Samples

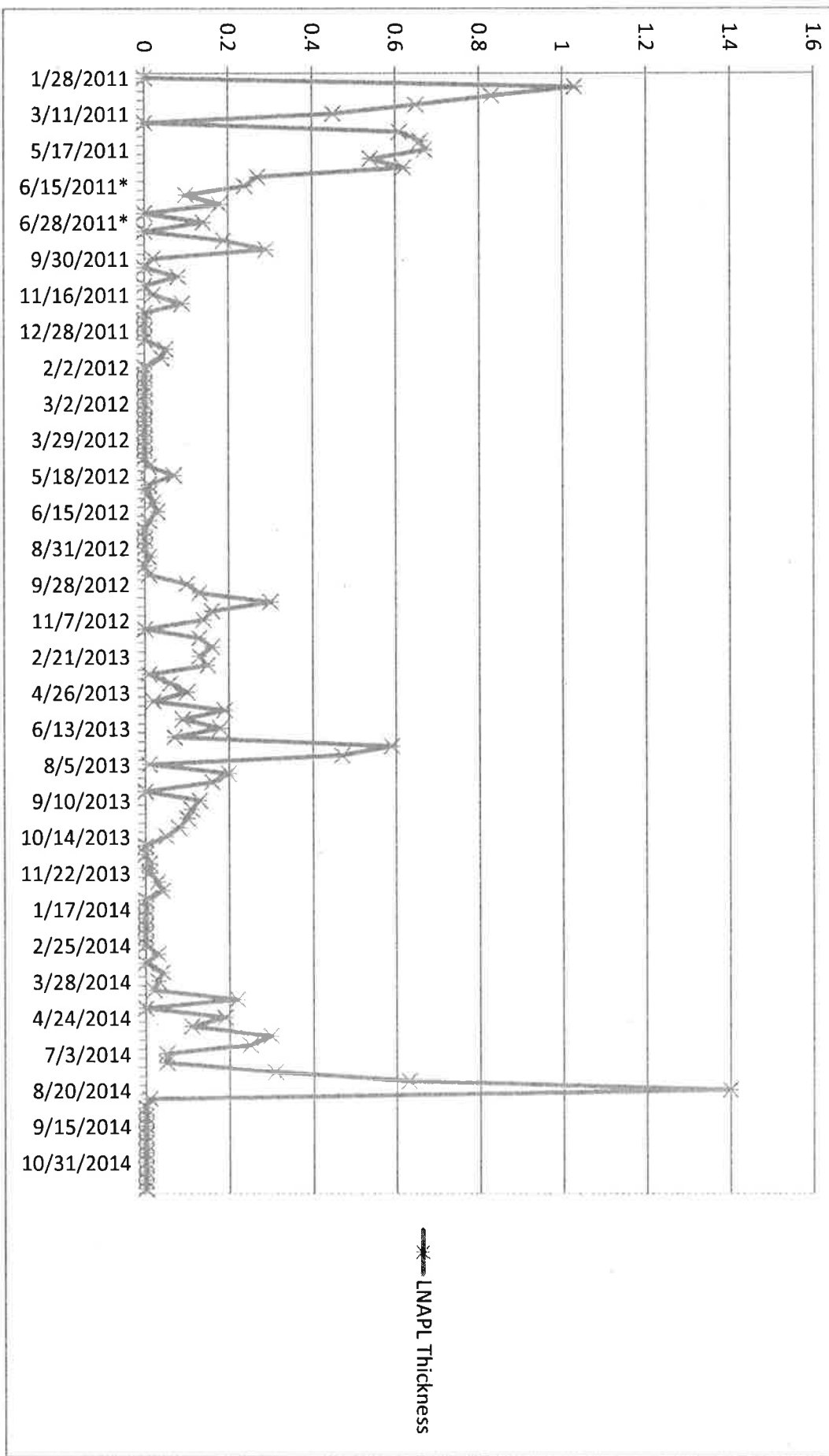
Times Turnaround #39
 6751 Wilkinson Boulevard, Belmont, Gaston County, North Carolina, 28012
 Groundwater Incident # 27732

Analytical Method---->		EPA 601/602 or 6210D																			EPA 3030C	EPA 5041 or 6210D	VPH ¹				
Parameter ---->		Benzene	Toluene	Ethylbenzene	Total Xylenes	Methyl-tert-butyl Ether (MTBE)	Isopropylalcohol (IPA)	Naphthalene	1,2-Dichloroethane	1,2,4-Trichlorobenzene	1,2,5-Trichlorobenzene	Chloroform	Isopropylbenzene	m-Isopropylbenzene	o-x-Dichlorobenzene	tert-Butylbenzene	m-Propylbenzene	1,4-Dichlorobenzene	Chloroethane	1,1,2-Trichloroethane	Styrene	Lead	EDB	Aliphatics (C5-C8)	Aliphatics (C9-C12)	Aromatics (C9-C10)	
15A NCAC 2L.0202 Standard ² ---->		1	600	600	500	20	70	6	0.4	400	400	70	70	70	70	70	70	---	3	---	100	15	0.0004	420	4200	210	
15A NCAC 2L.0115 Gross Contamination Level ³ ---->		5,000	260,000	84,500	85,500	20,000	70,000	6,000	400	28,500	2,500	70,000	25,000	6,900	8,500	15,000	30,000	---	3,000	---	100,000	15,000	50	---	---	---	
Location	Date	ug/L ⁴	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Trip Blank	6/21/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	9/4/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
	7/30/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	11/10/2009	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
	1/13/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
	4/22/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	10/25/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	4/4/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	10/26/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	4/19/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	10/23/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	4/30/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	10/2/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	4/16/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
<u>11/25/2014</u>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR		

ug/l = Microgram per liter
 5 ND = Not detected at or above the method detection limit specified in the laboratory report
 6 NR = Analysis not requested
 7 N3: LPH = Not sampled due to presence of Liquid Phase Hydrocarbons
 Bold values were detected at or above 3L Standards
 Underlined values were detected at or above Gross Contamination level standards

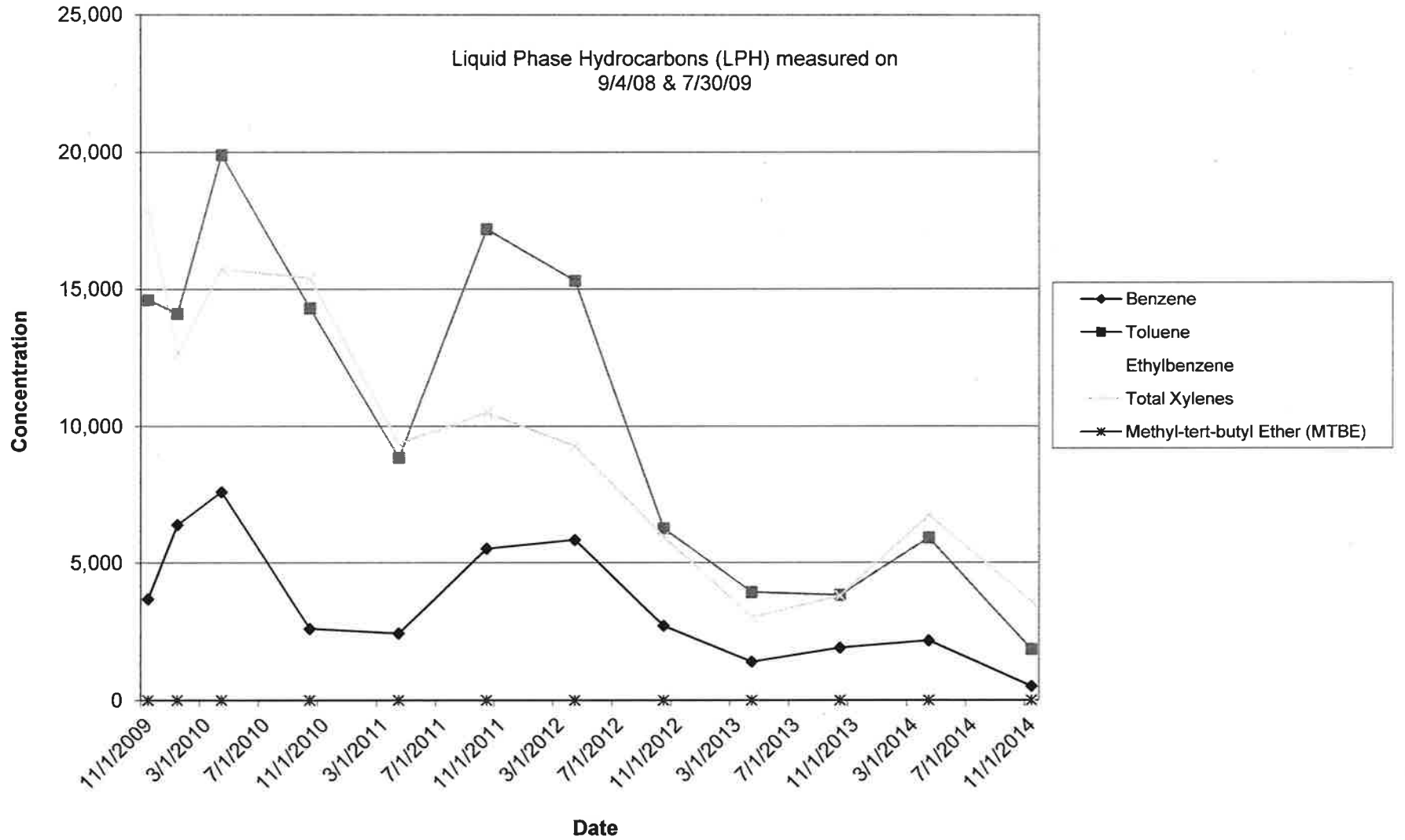
GRAPH(S)

Times Turnaround#39 LNAPL Thickness vs. Time (RW-2)

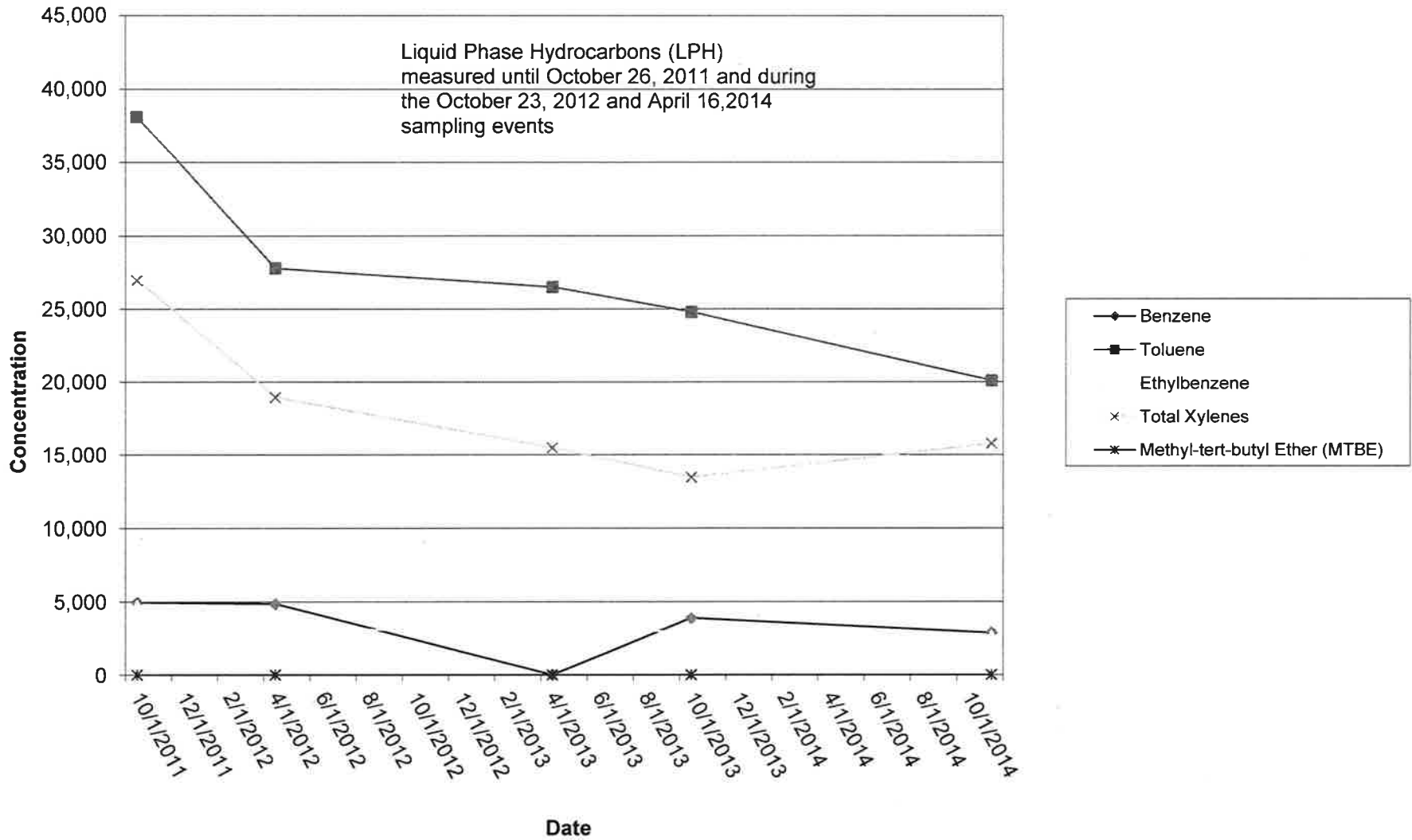


* LNAPL Thickness

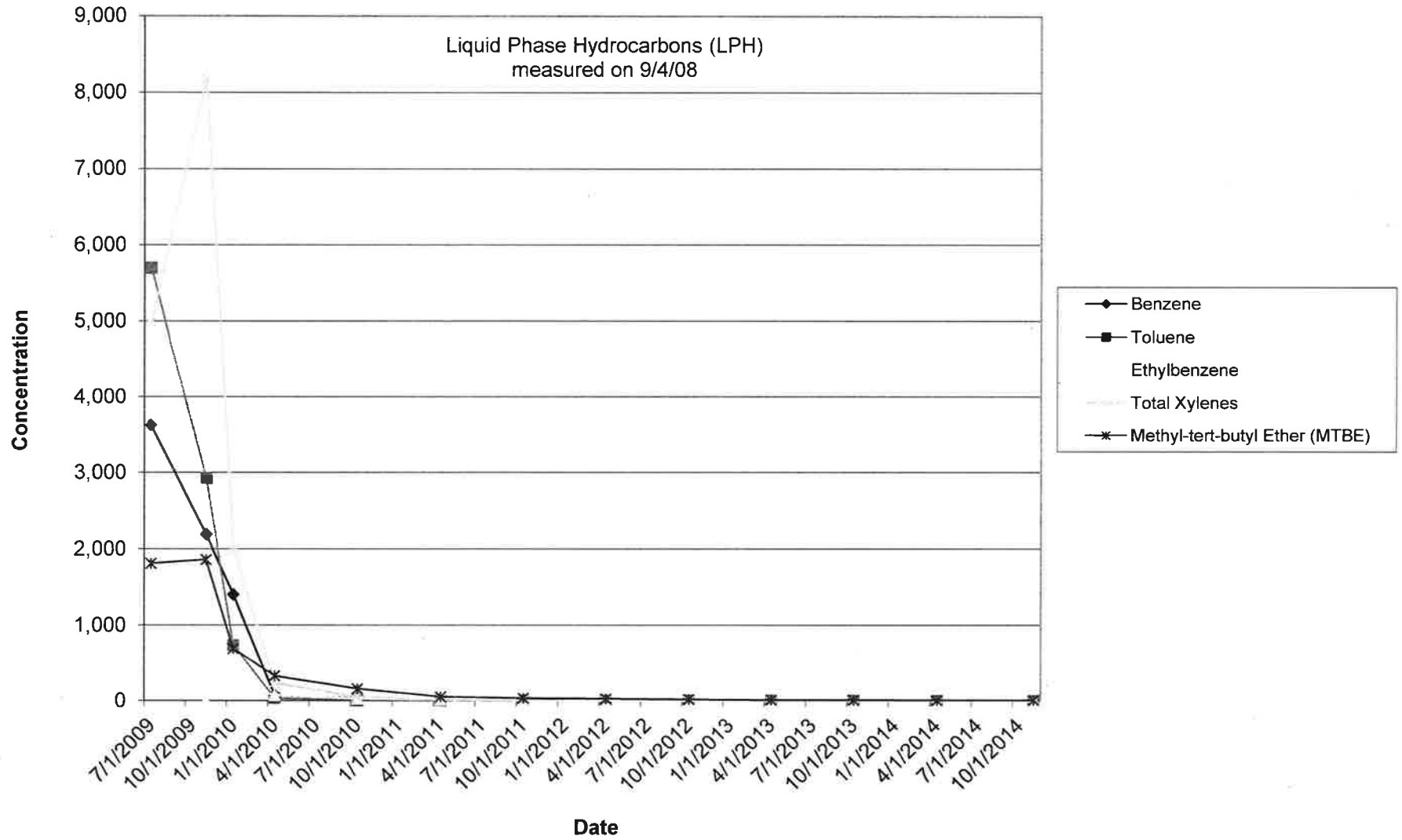
Concentration/Hydrograph vs. Time - RW-1



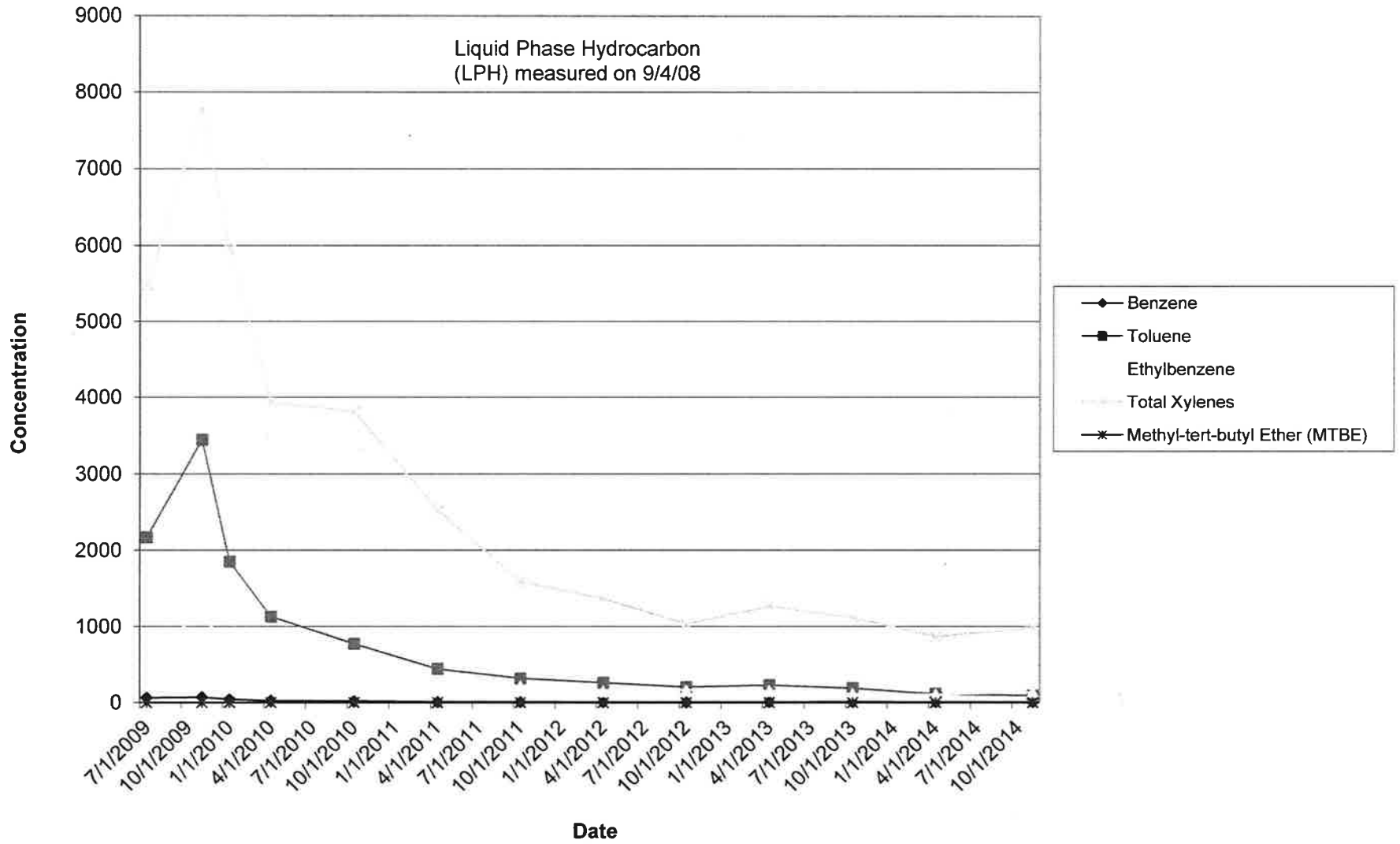
Concentration/Hydrograph vs. Time - RW-2



Concentration/Hydrograph vs. Time - RW-3



Concentration/Hydrograph vs. Time - RW-4



APPENDIX A

December 09, 2014

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

RE: Project: Times Turnaround #39
Pace Project No.: 92227222

Dear Ms. D'Souza:

Enclosed are the analytical results for sample(s) received by the laboratory on November 25, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,



Nicole Benjamin
nicole.benjamin@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: Times Turnaround #39
Pace Project No.: 92227222

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Times Turnaround #39
Pace Project No.: 92227222

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92227222001	MW-1	SM 6200B	CAH	63	PASI-C
92227222002	MW-2	SM 6200B	CAH	63	PASI-C
92227222003	MW-3	SM 6200B	CAH	63	PASI-C
92227222004	MW-4	SM 6200B	CAH	63	PASI-C
92227222005	MW-5	SM 6200B	CAH	63	PASI-C
92227222006	MW-6	SM 6200B	CAH	63	PASI-C
92227222007	MW-7	SM 6200B	CAH	63	PASI-C
92227222008	RW-1	SM 6200B	CAH	63	PASI-C
92227222009	RW-2	SM 6200B	CAH	63	PASI-C
92227222010	RW-3	SM 6200B	CAH	63	PASI-C
92227222011	RW-4	SM 6200B	CAH	63	PASI-C
92227222012	DMW-1	SM 6200B	CAH	63	PASI-C
92227222013	Trip Blank	SM 6200B	CAH	63	PASI-C

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Times Turnaround #39
Pace Project No.: 92227222

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92227222002	MW-2					
SM 6200B	Diisopropyl ether	0.97	ug/L	0.50	12/04/14 14:11	
SM 6200B	Methyl-tert-butyl ether	3.4	ug/L	0.50	12/04/14 14:11	
92227222003	MW-3					
SM 6200B	Methyl-tert-butyl ether	0.70	ug/L	0.50	12/04/14 14:28	
92227222004	MW-4					
SM 6200B	Benzene	47.5	ug/L	0.50	12/03/14 02:15	
SM 6200B	sec-Butylbenzene	6.2	ug/L	0.50	12/03/14 02:15	
SM 6200B	Diisopropyl ether	16.1	ug/L	0.50	12/03/14 02:15	
SM 6200B	Ethylbenzene	9.8	ug/L	0.50	12/03/14 02:15	
SM 6200B	Isopropylbenzene (Cumene)	8.1	ug/L	0.50	12/03/14 02:15	
SM 6200B	Methyl-tert-butyl ether	50.9	ug/L	0.50	12/03/14 02:15	
SM 6200B	Naphthalene	23.9	ug/L	2.0	12/03/14 02:15	
SM 6200B	n-Propylbenzene	20.0	ug/L	0.50	12/03/14 02:15	
SM 6200B	Toluene	1.6	ug/L	0.50	12/03/14 02:15	
SM 6200B	1,2,4-Trimethylbenzene	82.4	ug/L	0.50	12/03/14 02:15	
SM 6200B	1,3,5-Trimethylbenzene	21.3	ug/L	0.50	12/03/14 02:15	
SM 6200B	m&p-Xylene	1.3	ug/L	1.0	12/03/14 02:15	
SM 6200B	o-Xylene	2.6	ug/L	0.50	12/03/14 02:15	
92227222006	MW-6					
SM 6200B	Diisopropyl ether	71.2	ug/L	1.0	12/02/14 05:49	
SM 6200B	Methyl-tert-butyl ether	151	ug/L	1.0	12/02/14 05:49	
92227222007	MW-7					
SM 6200B	Benzene	25.2	ug/L	0.50	12/02/14 05:15	
SM 6200B	n-Butylbenzene	1.2	ug/L	0.50	12/02/14 05:15	
SM 6200B	Diisopropyl ether	1.4	ug/L	0.50	12/02/14 05:15	
SM 6200B	Ethylbenzene	41.0	ug/L	0.50	12/02/14 05:15	
SM 6200B	Isopropylbenzene (Cumene)	3.0	ug/L	0.50	12/02/14 05:15	
SM 6200B	Methyl-tert-butyl ether	7.1	ug/L	0.50	12/02/14 05:15	
SM 6200B	Naphthalene	16.4	ug/L	2.0	12/02/14 05:15	
SM 6200B	n-Propylbenzene	4.9	ug/L	0.50	12/02/14 05:15	
SM 6200B	Toluene	1.1	ug/L	0.50	12/02/14 05:15	
SM 6200B	1,3,5-Trimethylbenzene	2.8	ug/L	0.50	12/02/14 05:15	
SM 6200B	m&p-Xylene	1.6	ug/L	1.0	12/02/14 05:15	
SM 6200B	o-Xylene	17.2	ug/L	0.50	12/02/14 05:15	
92227222008	RW-1					
SM 6200B	Benzene	514	ug/L	6.2	12/02/14 11:38	
SM 6200B	Isopropylbenzene (Cumene)	28.7	ug/L	6.2	12/02/14 11:38	
SM 6200B	Naphthalene	298	ug/L	25.0	12/02/14 11:38	
SM 6200B	n-Propylbenzene	71.7	ug/L	6.2	12/02/14 11:38	
SM 6200B	Toluene	1860	ug/L	6.2	12/02/14 11:38	
SM 6200B	1,2,4-Trimethylbenzene	817	ug/L	6.2	12/02/14 11:38	
SM 6200B	1,3,5-Trimethylbenzene	221	ug/L	6.2	12/02/14 11:38	
SM 6200B	m&p-Xylene	2420	ug/L	12.5	12/02/14 11:38	
SM 6200B	o-Xylene	1170	ug/L	6.2	12/02/14 11:38	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Times Turnaround #39
Pace Project No.: 92227222

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92227222009	RW-2					
SM 6200B	Benzene	2470	ug/L	100	12/02/14 06:23	
SM 6200B	Diisopropyl ether	211	ug/L	100	12/02/14 06:23	
SM 6200B	Ethylbenzene	2680	ug/L	100	12/02/14 06:23	
SM 6200B	Naphthalene	1120	ug/L	400	12/02/14 06:23	
SM 6200B	n-Propylbenzene	272	ug/L	100	12/02/14 06:23	
SM 6200B	Toluene	20100	ug/L	100	12/02/14 06:23	
SM 6200B	1,2,4-Trimethylbenzene	2610	ug/L	100	12/02/14 06:23	
SM 6200B	1,3,5-Trimethylbenzene	634	ug/L	100	12/02/14 06:23	
SM 6200B	m&p-Xylene	10400	ug/L	200	12/02/14 06:23	
SM 6200B	o-Xylene	5370	ug/L	100	12/02/14 06:23	
92227222010	RW-3					
SM 6200B	sec-Butylbenzene	1.1	ug/L	0.50	12/02/14 03:01	
SM 6200B	Diisopropyl ether	13.6	ug/L	0.50	12/02/14 03:01	
SM 6200B	Isopropylbenzene (Cumene)	0.72	ug/L	0.50	12/02/14 03:01	
SM 6200B	Methyl-tert-butyl ether	5.8	ug/L	0.50	12/02/14 03:01	
SM 6200B	o-Xylene	0.85	ug/L	0.50	12/02/14 03:01	
92227222011	RW-4					
SM 6200B	Benzene	6.5	ug/L	5.0	12/02/14 07:30	
SM 6200B	Ethylbenzene	139	ug/L	5.0	12/02/14 07:30	
SM 6200B	Isopropylbenzene (Cumene)	32.6	ug/L	5.0	12/02/14 07:30	
SM 6200B	Naphthalene	287	ug/L	20.0	12/02/14 07:30	
SM 6200B	n-Propylbenzene	67.9	ug/L	5.0	12/02/14 07:30	
SM 6200B	Toluene	90.7	ug/L	5.0	12/02/14 07:30	
SM 6200B	1,2,4-Trimethylbenzene	1040	ug/L	5.0	12/02/14 07:30	
SM 6200B	1,3,5-Trimethylbenzene	305	ug/L	5.0	12/02/14 07:30	
SM 6200B	m&p-Xylene	513	ug/L	10.0	12/02/14 07:30	
SM 6200B	o-Xylene	468	ug/L	5.0	12/02/14 07:30	
92227222012	DMW-1					
SM 6200B	Chloroform	0.98	ug/L	0.50	12/02/14 03:18	

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Times Turnaround #39
Pace Project No.: 92227222

Method: SM 6200B
Description: 6200B MSV
Client: Shield
Date: December 09, 2014

General Information:

13 samples were analyzed for SM 6200B. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/29436

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- LCS (Lab ID: 1340735)
- 1,2-Dibromo-3-chloropropane

QC Batch: MSV/29455

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- LCS (Lab ID: 1341518)
- 1,2-Dibromo-3-chloropropane

QC Batch: MSV/29464

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- LCS (Lab ID: 1342280)
- 1,2-Dibromo-3-chloropropane

Matrix Spikes:

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

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Times Turnaround #39
Pace Project No.: 92227222

Method: SM 6200B
Description: 6200B MSV
Client: Shield
Date: December 09, 2014

QC Batch: MSV/29436

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92227222005

MO: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 1340736)
 - 1,2-Dibromo-3-chloropropane
 - Dichlorodifluoromethane
- MSD (Lab ID: 1340737)
 - 1,2-Dibromo-3-chloropropane
 - Dichlorodifluoromethane

QC Batch: MSV/29455

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92227181003

MO: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 1341519)
 - Bromoform

QC Batch: MSV/29464

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92227449012

MO: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 1344090)
 - 1,2-Dibromo-3-chloropropane
 - Dichlorodifluoromethane
- MSD (Lab ID: 1344091)
 - 1,2-Dibromo-3-chloropropane
 - Dichlorodifluoromethane
 - Vinyl chloride

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92227222

Sample: MW-1	Lab ID: 92227222001	Collected: 11/25/14 10:57	Received: 11/25/14 15:31	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		12/04/14 13:55	71-43-2	
Bromobenzene	ND ug/L		0.50	1		12/04/14 13:55	108-86-1	
Bromochloromethane	ND ug/L		0.50	1		12/04/14 13:55	74-97-5	
Bromodichloromethane	ND ug/L		0.50	1		12/04/14 13:55	75-27-4	
Bromoform	ND ug/L		0.50	1		12/04/14 13:55	75-25-2	
Bromomethane	ND ug/L		5.0	1		12/04/14 13:55	74-83-9	
n-Butylbenzene	ND ug/L		0.50	1		12/04/14 13:55	104-51-8	
sec-Butylbenzene	ND ug/L		0.50	1		12/04/14 13:55	135-98-8	
tert-Butylbenzene	ND ug/L		0.50	1		12/04/14 13:55	98-06-6	
Carbon tetrachloride	ND ug/L		0.50	1		12/04/14 13:55	56-23-5	
Chlorobenzene	ND ug/L		0.50	1		12/04/14 13:55	108-90-7	
Chloroethane	ND ug/L		1.0	1		12/04/14 13:55	75-00-3	
Chloroform	ND ug/L		0.50	1		12/04/14 13:55	67-66-3	
Chloromethane	ND ug/L		1.0	1		12/04/14 13:55	74-87-3	
2-Chlorotoluene	ND ug/L		0.50	1		12/04/14 13:55	95-49-8	
4-Chlorotoluene	ND ug/L		0.50	1		12/04/14 13:55	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		12/04/14 13:55	96-12-8	
Dibromochloromethane	ND ug/L		0.50	1		12/04/14 13:55	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		0.50	1		12/04/14 13:55	106-93-4	
Dibromomethane	ND ug/L		0.50	1		12/04/14 13:55	74-95-3	
1,2-Dichlorobenzene	ND ug/L		0.50	1		12/04/14 13:55	95-50-1	
1,3-Dichlorobenzene	ND ug/L		0.50	1		12/04/14 13:55	541-73-1	
1,4-Dichlorobenzene	ND ug/L		0.50	1		12/04/14 13:55	106-46-7	
Dichlorodifluoromethane	ND ug/L		0.50	1		12/04/14 13:55	75-71-8	
1,1-Dichloroethane	ND ug/L		0.50	1		12/04/14 13:55	75-34-3	
1,2-Dichloroethane	ND ug/L		0.50	1		12/04/14 13:55	107-06-2	
1,1-Dichloroethene	ND ug/L		0.50	1		12/04/14 13:55	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		0.50	1		12/04/14 13:55	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		0.50	1		12/04/14 13:55	156-60-5	
1,2-Dichloropropane	ND ug/L		0.50	1		12/04/14 13:55	78-87-5	
1,3-Dichloropropane	ND ug/L		0.50	1		12/04/14 13:55	142-28-9	
2,2-Dichloropropane	ND ug/L		0.50	1		12/04/14 13:55	594-20-7	
1,1-Dichloropropene	ND ug/L		0.50	1		12/04/14 13:55	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		0.50	1		12/04/14 13:55	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		0.50	1		12/04/14 13:55	10061-02-6	
Diisopropyl ether	ND ug/L		0.50	1		12/04/14 13:55	108-20-3	
Ethylbenzene	ND ug/L		0.50	1		12/04/14 13:55	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		2.0	1		12/04/14 13:55	87-68-3	
Isopropylbenzene (Cumene)	ND ug/L		0.50	1		12/04/14 13:55	98-82-8	
Methylene Chloride	ND ug/L		2.0	1		12/04/14 13:55	75-09-2	
Methyl-tert-butyl ether	ND ug/L		0.50	1		12/04/14 13:55	1634-04-4	
Naphthalene	ND ug/L		2.0	1		12/04/14 13:55	91-20-3	
n-Propylbenzene	ND ug/L		0.50	1		12/04/14 13:55	103-65-1	
Styrene	ND ug/L		0.50	1		12/04/14 13:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		0.50	1		12/04/14 13:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		0.50	1		12/04/14 13:55	79-34-5	
Tetrachloroethene	ND ug/L		0.50	1		12/04/14 13:55	127-18-4	

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92227222

Sample: MW-1 Lab ID: 92227222001 Collected: 11/25/14 10:57 Received: 11/25/14 15:31 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		12/04/14 13:55	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		12/04/14 13:55	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		12/04/14 13:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		12/04/14 13:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		12/04/14 13:55	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		12/04/14 13:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/04/14 13:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		12/04/14 13:55	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		12/04/14 13:55	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		12/04/14 13:55	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		12/04/14 13:55	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1		12/04/14 13:55	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		12/04/14 13:55	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%	70-130	1		12/04/14 13:55	17060-07-0	
4-Bromofluorobenzene (S)	100	%	70-130	1		12/04/14 13:55	460-00-4	
Toluene-d8 (S)	104	%	70-130	1		12/04/14 13:55	2037-26-5	

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92227222

Sample: MW-2	Lab ID: 92227222002	Collected: 11/25/14 10:44	Received: 11/25/14 15:31	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		12/04/14 14:11	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		12/04/14 14:11	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		12/04/14 14:11	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		12/04/14 14:11	75-27-4	
Bromoform	ND	ug/L	0.50	1		12/04/14 14:11	75-25-2	
Bromomethane	ND	ug/L	5.0	1		12/04/14 14:11	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		12/04/14 14:11	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		12/04/14 14:11	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		12/04/14 14:11	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		12/04/14 14:11	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		12/04/14 14:11	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/04/14 14:11	75-00-3	
Chloroform	ND	ug/L	0.50	1		12/04/14 14:11	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/04/14 14:11	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		12/04/14 14:11	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		12/04/14 14:11	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		12/04/14 14:11	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		12/04/14 14:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		12/04/14 14:11	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		12/04/14 14:11	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		12/04/14 14:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		12/04/14 14:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		12/04/14 14:11	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		12/04/14 14:11	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		12/04/14 14:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		12/04/14 14:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		12/04/14 14:11	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		12/04/14 14:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		12/04/14 14:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		12/04/14 14:11	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		12/04/14 14:11	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		12/04/14 14:11	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		12/04/14 14:11	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		12/04/14 14:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		12/04/14 14:11	10061-02-6	
Diisopropyl ether	0.97	ug/L	0.50	1		12/04/14 14:11	108-20-3	
Ethylbenzene	ND	ug/L	0.50	1		12/04/14 14:11	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		12/04/14 14:11	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		12/04/14 14:11	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		12/04/14 14:11	75-09-2	
Methyl-tert-butyl ether	3.4	ug/L	0.50	1		12/04/14 14:11	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		12/04/14 14:11	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		12/04/14 14:11	103-65-1	
Styrene	ND	ug/L	0.50	1		12/04/14 14:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		12/04/14 14:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		12/04/14 14:11	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		12/04/14 14:11	127-18-4	

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92227222

Sample: MW-2	Lab ID: 92227222002	Collected: 11/25/14 10:44	Received: 11/25/14 15:31	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		12/04/14 14:11	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		2.0	1		12/04/14 14:11	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		2.0	1		12/04/14 14:11	120-82-1	
1,1,1-Trichloroethane	ND ug/L		0.50	1		12/04/14 14:11	71-55-6	
1,1,2-Trichloroethane	ND ug/L		0.50	1		12/04/14 14:11	79-00-5	
Trichloroethene	ND ug/L		0.50	1		12/04/14 14:11	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		12/04/14 14:11	75-69-4	
1,2,3-Trichloropropane	ND ug/L		0.50	1		12/04/14 14:11	96-18-4	
1,2,4-Trimethylbenzene	ND ug/L		0.50	1		12/04/14 14:11	95-63-6	
1,3,5-Trimethylbenzene	ND ug/L		0.50	1		12/04/14 14:11	108-67-8	
Vinyl chloride	ND ug/L		1.0	1		12/04/14 14:11	75-01-4	
m&p-Xylene	ND ug/L		1.0	1		12/04/14 14:11	179601-23-1	
o-Xylene	ND ug/L		0.50	1		12/04/14 14:11	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	110 %		70-130	1		12/04/14 14:11	17060-07-0	
4-Bromofluorobenzene (S)	100 %		70-130	1		12/04/14 14:11	460-00-4	
Toluene-d8 (S)	104 %		70-130	1		12/04/14 14:11	2037-26-5	

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92227222

Sample: MW-3	Lab ID: 92227222003	Collected: 11/25/14 10:40	Received: 11/25/14 15:31	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		12/04/14 14:28	71-43-2	
Bromobenzene	ND ug/L		0.50	1		12/04/14 14:28	108-86-1	
Bromochloromethane	ND ug/L		0.50	1		12/04/14 14:28	74-97-5	
Bromodichloromethane	ND ug/L		0.50	1		12/04/14 14:28	75-27-4	
Bromoform	ND ug/L		0.50	1		12/04/14 14:28	75-25-2	
Bromomethane	ND ug/L		5.0	1		12/04/14 14:28	74-83-9	
n-Butylbenzene	ND ug/L		0.50	1		12/04/14 14:28	104-51-8	
sec-Butylbenzene	ND ug/L		0.50	1		12/04/14 14:28	135-98-8	
tert-Butylbenzene	ND ug/L		0.50	1		12/04/14 14:28	98-06-6	
Carbon tetrachloride	ND ug/L		0.50	1		12/04/14 14:28	56-23-5	
Chlorobenzene	ND ug/L		0.50	1		12/04/14 14:28	108-90-7	
Chloroethane	ND ug/L		1.0	1		12/04/14 14:28	75-00-3	
Chloroform	ND ug/L		0.50	1		12/04/14 14:28	67-66-3	
Chloromethane	ND ug/L		1.0	1		12/04/14 14:28	74-87-3	
2-Chlorotoluene	ND ug/L		0.50	1		12/04/14 14:28	95-49-8	
4-Chlorotoluene	ND ug/L		0.50	1		12/04/14 14:28	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		12/04/14 14:28	96-12-8	
Dibromochloromethane	ND ug/L		0.50	1		12/04/14 14:28	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		0.50	1		12/04/14 14:28	106-93-4	
Dibromomethane	ND ug/L		0.50	1		12/04/14 14:28	74-95-3	
1,2-Dichlorobenzene	ND ug/L		0.50	1		12/04/14 14:28	95-50-1	
1,3-Dichlorobenzene	ND ug/L		0.50	1		12/04/14 14:28	541-73-1	
1,4-Dichlorobenzene	ND ug/L		0.50	1		12/04/14 14:28	106-46-7	
Dichlorodifluoromethane	ND ug/L		0.50	1		12/04/14 14:28	75-71-8	
1,1-Dichloroethane	ND ug/L		0.50	1		12/04/14 14:28	75-34-3	
1,2-Dichloroethane	ND ug/L		0.50	1		12/04/14 14:28	107-06-2	
1,1-Dichloroethene	ND ug/L		0.50	1		12/04/14 14:28	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		0.50	1		12/04/14 14:28	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		0.50	1		12/04/14 14:28	156-60-5	
1,2-Dichloropropane	ND ug/L		0.50	1		12/04/14 14:28	78-87-5	
1,3-Dichloropropane	ND ug/L		0.50	1		12/04/14 14:28	142-28-9	
2,2-Dichloropropane	ND ug/L		0.50	1		12/04/14 14:28	594-20-7	
1,1-Dichloropropene	ND ug/L		0.50	1		12/04/14 14:28	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		0.50	1		12/04/14 14:28	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		0.50	1		12/04/14 14:28	10061-02-6	
Diisopropyl ether	ND ug/L		0.50	1		12/04/14 14:28	108-20-3	
Ethylbenzene	ND ug/L		0.50	1		12/04/14 14:28	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		2.0	1		12/04/14 14:28	87-68-3	
Isopropylbenzene (Cumene)	ND ug/L		0.50	1		12/04/14 14:28	98-82-8	
Methylene Chloride	ND ug/L		2.0	1		12/04/14 14:28	75-09-2	
Methyl-tert-butyl ether	0.70 ug/L		0.50	1		12/04/14 14:28	1634-04-4	
Naphthalene	ND ug/L		2.0	1		12/04/14 14:28	91-20-3	
n-Propylbenzene	ND ug/L		0.50	1		12/04/14 14:28	103-65-1	
Styrene	ND ug/L		0.50	1		12/04/14 14:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		0.50	1		12/04/14 14:28	630-20-6	
1,1,1,2,2-Tetrachloroethane	ND ug/L		0.50	1		12/04/14 14:28	79-34-5	
Tetrachloroethene	ND ug/L		0.50	1		12/04/14 14:28	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92227222

Sample: MW-3	Lab ID: 92227222003	Collected: 11/25/14 10:40	Received: 11/25/14 15:31	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		12/04/14 14:28	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		2.0	1		12/04/14 14:28	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		2.0	1		12/04/14 14:28	120-82-1	
1,1,1-Trichloroethane	ND ug/L		0.50	1		12/04/14 14:28	71-55-6	
1,1,2-Trichloroethane	ND ug/L		0.50	1		12/04/14 14:28	79-00-5	
Trichloroethene	ND ug/L		0.50	1		12/04/14 14:28	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		12/04/14 14:28	75-69-4	
1,2,3-Trichloropropane	ND ug/L		0.50	1		12/04/14 14:28	96-18-4	
1,2,4-Trimethylbenzene	ND ug/L		0.50	1		12/04/14 14:28	95-63-6	
1,3,5-Trimethylbenzene	ND ug/L		0.50	1		12/04/14 14:28	108-67-8	
Vinyl chloride	ND ug/L		1.0	1		12/04/14 14:28	75-01-4	
m&p-Xylene	ND ug/L		1.0	1		12/04/14 14:28	179601-23-1	
o-Xylene	ND ug/L		0.50	1		12/04/14 14:28	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	111 %		70-130	1		12/04/14 14:28	17060-07-0	
4-Bromofluorobenzene (S)	101 %		70-130	1		12/04/14 14:28	460-00-4	
Toluene-d8 (S)	104 %		70-130	1		12/04/14 14:28	2037-26-5	

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92227222

Sample: MW-4	Lab ID: 92227222004	Collected: 11/25/14 10:58	Received: 11/25/14 15:31	Matrix: Water					
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6200B MSV		Analytical Method: SM 6200B							
Benzene	47.5 ug/L		0.50	1		12/03/14 02:15	71-43-2		
Bromobenzene	ND ug/L		0.50	1		12/03/14 02:15	108-86-1		
Bromochloromethane	ND ug/L		0.50	1		12/03/14 02:15	74-97-5		
Bromodichloromethane	ND ug/L		0.50	1		12/03/14 02:15	75-27-4		
Bromoform	ND ug/L		0.50	1		12/03/14 02:15	75-25-2		
Bromomethane	ND ug/L		5.0	1		12/03/14 02:15	74-83-9		
n-Butylbenzene	ND ug/L		0.50	1		12/03/14 02:15	104-51-8		
sec-Butylbenzene	6.2 ug/L		0.50	1		12/03/14 02:15	135-98-8		
tert-Butylbenzene	ND ug/L		0.50	1		12/03/14 02:15	98-06-6		
Carbon tetrachloride	ND ug/L		0.50	1		12/03/14 02:15	56-23-5		
Chlorobenzene	ND ug/L		0.50	1		12/03/14 02:15	108-90-7		
Chloroethane	ND ug/L		1.0	1		12/03/14 02:15	75-00-3		
Chloroform	ND ug/L		0.50	1		12/03/14 02:15	67-66-3		
Chloromethane	ND ug/L		1.0	1		12/03/14 02:15	74-87-3		
2-Chlorotoluene	ND ug/L		0.50	1		12/03/14 02:15	95-49-8		
4-Chlorotoluene	ND ug/L		0.50	1		12/03/14 02:15	106-43-4		
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		12/03/14 02:15	96-12-8		
Dibromochloromethane	ND ug/L		0.50	1		12/03/14 02:15	124-48-1		
1,2-Dibromoethane (EDB)	ND ug/L		0.50	1		12/03/14 02:15	106-93-4		
Dibromomethane	ND ug/L		0.50	1		12/03/14 02:15	74-95-3		
1,2-Dichlorobenzene	ND ug/L		0.50	1		12/03/14 02:15	95-50-1		
1,3-Dichlorobenzene	ND ug/L		0.50	1		12/03/14 02:15	541-73-1		
1,4-Dichlorobenzene	ND ug/L		0.50	1		12/03/14 02:15	106-46-7		
Dichlorodifluoromethane	ND ug/L		0.50	1		12/03/14 02:15	75-71-8		
1,1-Dichloroethane	ND ug/L		0.50	1		12/03/14 02:15	75-34-3		
1,2-Dichloroethane	ND ug/L		0.50	1		12/03/14 02:15	107-06-2		
1,1-Dichloroethene	ND ug/L		0.50	1		12/03/14 02:15	75-35-4		
cis-1,2-Dichloroethene	ND ug/L		0.50	1		12/03/14 02:15	156-59-2		
trans-1,2-Dichloroethene	ND ug/L		0.50	1		12/03/14 02:15	156-60-5		
1,2-Dichloropropane	ND ug/L		0.50	1		12/03/14 02:15	78-87-5		
1,3-Dichloropropane	ND ug/L		0.50	1		12/03/14 02:15	142-28-9		
2,2-Dichloropropane	ND ug/L		0.50	1		12/03/14 02:15	594-20-7		
1,1-Dichloropropene	ND ug/L		0.50	1		12/03/14 02:15	563-58-6		
cis-1,3-Dichloropropene	ND ug/L		0.50	1		12/03/14 02:15	10061-01-5		
trans-1,3-Dichloropropene	ND ug/L		0.50	1		12/03/14 02:15	10061-02-6		
Diisopropyl ether	16.1 ug/L		0.50	1		12/03/14 02:15	108-20-3		
Ethylbenzene	9.8 ug/L		0.50	1		12/03/14 02:15	100-41-4		
Hexachloro-1,3-butadiene	ND ug/L		2.0	1		12/03/14 02:15	87-68-3		
Isopropylbenzene (Cumene)	8.1 ug/L		0.50	1		12/03/14 02:15	98-82-8		
Methylene Chloride	ND ug/L		2.0	1		12/03/14 02:15	75-09-2		
Methyl-tert-butyl ether	50.9 ug/L		0.50	1		12/03/14 02:15	1634-04-4		
Naphthalene	23.9 ug/L		2.0	1		12/03/14 02:15	91-20-3		
n-Propylbenzene	20.0 ug/L		0.50	1		12/03/14 02:15	103-65-1		
Styrene	ND ug/L		0.50	1		12/03/14 02:15	100-42-5		
1,1,1,2-Tetrachloroethane	ND ug/L		0.50	1		12/03/14 02:15	630-20-6		
1,1,2,2-Tetrachloroethane	ND ug/L		0.50	1		12/03/14 02:15	79-34-5		
Tetrachloroethene	ND ug/L		0.50	1		12/03/14 02:15	127-18-4		

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92227222

Sample: MW-4	Lab ID: 92227222004	Collected: 11/25/14 10:58	Received: 11/25/14 15:31	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Toluene	1.6 ug/L		0.50	1		12/03/14 02:15	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		2.0	1		12/03/14 02:15	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		2.0	1		12/03/14 02:15	120-82-1	
1,1,1-Trichloroethane	ND ug/L		0.50	1		12/03/14 02:15	71-55-6	
1,1,2-Trichloroethane	ND ug/L		0.50	1		12/03/14 02:15	79-00-5	
Trichloroethene	ND ug/L		0.50	1		12/03/14 02:15	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		12/03/14 02:15	75-69-4	
1,2,3-Trichloropropane	ND ug/L		0.50	1		12/03/14 02:15	96-18-4	
1,2,4-Trimethylbenzene	82.4 ug/L		0.50	1		12/03/14 02:15	95-63-6	
1,3,5-Trimethylbenzene	21.3 ug/L		0.50	1		12/03/14 02:15	108-67-8	
Vinyl chloride	ND ug/L		1.0	1		12/03/14 02:15	75-01-4	
m&p-Xylene	1.3 ug/L		1.0	1		12/03/14 02:15	179601-23-1	
o-Xylene	2.6 ug/L		0.50	1		12/03/14 02:15	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	103 %		70-130	1		12/03/14 02:15	17060-07-0	
4-Bromofluorobenzene (S)	103 %		70-130	1		12/03/14 02:15	460-00-4	
Toluene-d8 (S)	104 %		70-130	1		12/03/14 02:15	2037-26-5	

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92227222

Sample: MW-5	Lab ID: 92227222005	Collected: 11/25/14 11:06	Received: 11/25/14 15:31	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		12/02/14 02:45	71-43-2	
Bromobenzene	ND ug/L		0.50	1		12/02/14 02:45	108-86-1	
Bromochloromethane	ND ug/L		0.50	1		12/02/14 02:45	74-97-5	
Bromodichloromethane	ND ug/L		0.50	1		12/02/14 02:45	75-27-4	
Bromoform	ND ug/L		0.50	1		12/02/14 02:45	75-25-2	
Bromomethane	ND ug/L		5.0	1		12/02/14 02:45	74-83-9	
n-Butylbenzene	ND ug/L		0.50	1		12/02/14 02:45	104-51-8	
sec-Butylbenzene	ND ug/L		0.50	1		12/02/14 02:45	135-98-8	
tert-Butylbenzene	ND ug/L		0.50	1		12/02/14 02:45	98-06-6	
Carbon tetrachloride	ND ug/L		0.50	1		12/02/14 02:45	56-23-5	
Chlorobenzene	ND ug/L		0.50	1		12/02/14 02:45	108-90-7	
Chloroethane	ND ug/L		1.0	1		12/02/14 02:45	75-00-3	
Chloroform	ND ug/L		0.50	1		12/02/14 02:45	67-66-3	
Chloromethane	ND ug/L		1.0	1		12/02/14 02:45	74-87-3	
2-Chlorotoluene	ND ug/L		0.50	1		12/02/14 02:45	95-49-8	
4-Chlorotoluene	ND ug/L		0.50	1		12/02/14 02:45	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		12/02/14 02:45	96-12-8	
Dibromochloromethane	ND ug/L		0.50	1		12/02/14 02:45	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		0.50	1		12/02/14 02:45	106-93-4	
Dibromomethane	ND ug/L		0.50	1		12/02/14 02:45	74-95-3	
1,2-Dichlorobenzene	ND ug/L		0.50	1		12/02/14 02:45	95-50-1	
1,3-Dichlorobenzene	ND ug/L		0.50	1		12/02/14 02:45	541-73-1	
1,4-Dichlorobenzene	ND ug/L		0.50	1		12/02/14 02:45	106-46-7	
Dichlorodifluoromethane	ND ug/L		0.50	1		12/02/14 02:45	75-71-8	
1,1-Dichloroethane	ND ug/L		0.50	1		12/02/14 02:45	75-34-3	
1,2-Dichloroethane	ND ug/L		0.50	1		12/02/14 02:45	107-06-2	
1,1-Dichloroethene	ND ug/L		0.50	1		12/02/14 02:45	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		0.50	1		12/02/14 02:45	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		0.50	1		12/02/14 02:45	156-60-5	
1,2-Dichloropropane	ND ug/L		0.50	1		12/02/14 02:45	78-87-5	
1,3-Dichloropropane	ND ug/L		0.50	1		12/02/14 02:45	142-28-9	
2,2-Dichloropropane	ND ug/L		0.50	1		12/02/14 02:45	594-20-7	
1,1-Dichloropropene	ND ug/L		0.50	1		12/02/14 02:45	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		0.50	1		12/02/14 02:45	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		0.50	1		12/02/14 02:45	10061-02-6	
Diisopropyl ether	ND ug/L		0.50	1		12/02/14 02:45	108-20-3	
Ethylbenzene	ND ug/L		0.50	1		12/02/14 02:45	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		2.0	1		12/02/14 02:45	87-68-3	
Isopropylbenzene (Cumene)	ND ug/L		0.50	1		12/02/14 02:45	98-82-8	
Methylene Chloride	ND ug/L		2.0	1		12/02/14 02:45	75-09-2	
Methyl-tert-butyl ether	ND ug/L		0.50	1		12/02/14 02:45	1634-04-4	
Naphthalene	ND ug/L		2.0	1		12/02/14 02:45	91-20-3	
n-Propylbenzene	ND ug/L		0.50	1		12/02/14 02:45	103-65-1	
Styrene	ND ug/L		0.50	1		12/02/14 02:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		0.50	1		12/02/14 02:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		0.50	1		12/02/14 02:45	79-34-5	
Tetrachloroethene	ND ug/L		0.50	1		12/02/14 02:45	127-18-4	

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92227222

Sample: MW-5		Lab ID: 92227222005	Collected: 11/25/14 11:06	Received: 11/25/14 15:31	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		12/02/14 02:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		12/02/14 02:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		12/02/14 02:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		12/02/14 02:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		12/02/14 02:45	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		12/02/14 02:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/02/14 02:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		12/02/14 02:45	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		12/02/14 02:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		12/02/14 02:45	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		12/02/14 02:45	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1		12/02/14 02:45	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		12/02/14 02:45	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	99 %		70-130	1		12/02/14 02:45	17060-07-0	
4-Bromofluorobenzene (S)	100 %		70-130	1		12/02/14 02:45	460-00-4	
Toluene-d8 (S)	103 %		70-130	1		12/02/14 02:45	2037-26-5	

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92227222

Sample: MW-6	Lab ID: 92227222006	Collected: 11/25/14 11:03	Received: 11/25/14 15:31	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Benzene	ND	ug/L	1.0	2		12/02/14 05:49	71-43-2	
Bromobenzene	ND	ug/L	1.0	2		12/02/14 05:49	108-86-1	
Bromochloromethane	ND	ug/L	1.0	2		12/02/14 05:49	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	2		12/02/14 05:49	75-27-4	
Bromoform	ND	ug/L	1.0	2		12/02/14 05:49	75-25-2	
Bromomethane	ND	ug/L	10.0	2		12/02/14 05:49	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	2		12/02/14 05:49	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	2		12/02/14 05:49	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	2		12/02/14 05:49	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	2		12/02/14 05:49	56-23-5	
Chlorobenzene	ND	ug/L	1.0	2		12/02/14 05:49	108-90-7	
Chloroethane	ND	ug/L	2.0	2		12/02/14 05:49	75-00-3	
Chloroform	ND	ug/L	1.0	2		12/02/14 05:49	67-66-3	
Chloromethane	ND	ug/L	2.0	2		12/02/14 05:49	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	2		12/02/14 05:49	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	2		12/02/14 05:49	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2		12/02/14 05:49	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	2		12/02/14 05:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	2		12/02/14 05:49	106-93-4	
Dibromomethane	ND	ug/L	1.0	2		12/02/14 05:49	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	2		12/02/14 05:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	2		12/02/14 05:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	2		12/02/14 05:49	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	2		12/02/14 05:49	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	2		12/02/14 05:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	2		12/02/14 05:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	2		12/02/14 05:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	2		12/02/14 05:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	2		12/02/14 05:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	2		12/02/14 05:49	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	2		12/02/14 05:49	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	2		12/02/14 05:49	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	2		12/02/14 05:49	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	2		12/02/14 05:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	2		12/02/14 05:49	10061-02-6	
Diisopropyl ether	71.2	ug/L	1.0	2		12/02/14 05:49	108-20-3	
Ethylbenzene	ND	ug/L	1.0	2		12/02/14 05:49	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	2		12/02/14 05:49	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	2		12/02/14 05:49	98-82-8	
Methylene Chloride	ND	ug/L	4.0	2		12/02/14 05:49	75-09-2	
Methyl-tert-butyl ether	151	ug/L	1.0	2		12/02/14 05:49	1634-04-4	
Naphthalene	ND	ug/L	4.0	2		12/02/14 05:49	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	2		12/02/14 05:49	103-65-1	
Styrene	ND	ug/L	1.0	2		12/02/14 05:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	2		12/02/14 05:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	2		12/02/14 05:49	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	2		12/02/14 05:49	127-18-4	

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92227222

Sample: MW-6	Lab ID: 92227222006	Collected: 11/25/14 11:03	Received: 11/25/14 15:31	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Toluene	ND ug/L		1.0	2		12/02/14 05:49	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		4.0	2		12/02/14 05:49	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		4.0	2		12/02/14 05:49	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	2		12/02/14 05:49	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	2		12/02/14 05:49	79-00-5	
Trichloroethene	ND ug/L		1.0	2		12/02/14 05:49	79-01-6	
Trichlorofluoromethane	ND ug/L		2.0	2		12/02/14 05:49	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	2		12/02/14 05:49	96-18-4	
1,2,4-Trimethylbenzene	ND ug/L		1.0	2		12/02/14 05:49	95-63-6	
1,3,5-Trimethylbenzene	ND ug/L		1.0	2		12/02/14 05:49	108-67-8	
Vinyl chloride	ND ug/L		2.0	2		12/02/14 05:49	75-01-4	
m&p-Xylene	ND ug/L		2.0	2		12/02/14 05:49	179601-23-1	
o-Xylene	ND ug/L		1.0	2		12/02/14 05:49	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	101 %		70-130	2		12/02/14 05:49	17060-07-0	
4-Bromofluorobenzene (S)	100 %		70-130	2		12/02/14 05:49	460-00-4	
Toluene-d8 (S)	103 %		70-130	2		12/02/14 05:49	2037-26-5	

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ANALYTICAL RESULTS

Project: Times Turnaround #39

Pace Project No.: 92227222

Sample: MW-7 **Lab ID:** 92227222007 **Collected:** 11/25/14 10:50 **Received:** 11/25/14 15:31 **Matrix:** Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Benzene	25.2	ug/L	0.50	1		12/02/14 05:15	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		12/02/14 05:15	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		12/02/14 05:15	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		12/02/14 05:15	75-27-4	
Bromoform	ND	ug/L	0.50	1		12/02/14 05:15	75-25-2	
Bromomethane	ND	ug/L	5.0	1		12/02/14 05:15	74-83-9	
n-Butylbenzene	1.2	ug/L	0.50	1		12/02/14 05:15	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		12/02/14 05:15	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		12/02/14 05:15	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		12/02/14 05:15	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		12/02/14 05:15	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/02/14 05:15	75-00-3	
Chloroform	ND	ug/L	0.50	1		12/02/14 05:15	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/02/14 05:15	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		12/02/14 05:15	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		12/02/14 05:15	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		12/02/14 05:15	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		12/02/14 05:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		12/02/14 05:15	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		12/02/14 05:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		12/02/14 05:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		12/02/14 05:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		12/02/14 05:15	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		12/02/14 05:15	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		12/02/14 05:15	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		12/02/14 05:15	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		12/02/14 05:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		12/02/14 05:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		12/02/14 05:15	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		12/02/14 05:15	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		12/02/14 05:15	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		12/02/14 05:15	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		12/02/14 05:15	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		12/02/14 05:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		12/02/14 05:15	10061-02-6	
Diisopropyl ether	1.4	ug/L	0.50	1		12/02/14 05:15	108-20-3	
Ethylbenzene	41.0	ug/L	0.50	1		12/02/14 05:15	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		12/02/14 05:15	87-68-3	
Isopropylbenzene (Cumene)	3.0	ug/L	0.50	1		12/02/14 05:15	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		12/02/14 05:15	75-09-2	
Methyl-tert-butyl ether	7.1	ug/L	0.50	1		12/02/14 05:15	1634-04-4	
Naphthalene	16.4	ug/L	2.0	1		12/02/14 05:15	91-20-3	
n-Propylbenzene	4.9	ug/L	0.50	1		12/02/14 05:15	103-65-1	
Styrene	ND	ug/L	0.50	1		12/02/14 05:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		12/02/14 05:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		12/02/14 05:15	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		12/02/14 05:15	127-18-4	

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92227222

Sample: MW-7	Lab ID: 92227222007	Collected: 11/25/14 10:50	Received: 11/25/14 15:31	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Toluene	1.1 ug/L		0.50	1		12/02/14 05:15	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		2.0	1		12/02/14 05:15	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		2.0	1		12/02/14 05:15	120-82-1	
1,1,1-Trichloroethane	ND ug/L		0.50	1		12/02/14 05:15	71-55-6	
1,1,2-Trichloroethane	ND ug/L		0.50	1		12/02/14 05:15	79-00-5	
Trichloroethene	ND ug/L		0.50	1		12/02/14 05:15	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		12/02/14 05:15	75-69-4	
1,2,3-Trichloropropane	ND ug/L		0.50	1		12/02/14 05:15	96-18-4	
1,2,4-Trimethylbenzene	ND ug/L		0.50	1		12/02/14 05:15	95-63-6	
1,3,5-Trimethylbenzene	2.8 ug/L		0.50	1		12/02/14 05:15	108-67-8	
Vinyl chloride	ND ug/L		1.0	1		12/02/14 05:15	75-01-4	
m&p-Xylene	1.6 ug/L		1.0	1		12/02/14 05:15	179601-23-1	
o-Xylene	17.2 ug/L		0.50	1		12/02/14 05:15	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	104 %		70-130	1		12/02/14 05:15	17060-07-0	
4-Bromofluorobenzene (S)	101 %		70-130	1		12/02/14 05:15	460-00-4	
Toluene-d8 (S)	102 %		70-130	1		12/02/14 05:15	2037-26-5	

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92227222

Sample: RW-1	Lab ID: 92227222008	Collected: 11/25/14 10:41	Received: 11/25/14 15:31	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Benzene	514	ug/L	6.2	12.5		12/02/14 11:38	71-43-2	
Bromobenzene	ND	ug/L	6.2	12.5		12/02/14 11:38	108-86-1	
Bromochloromethane	ND	ug/L	6.2	12.5		12/02/14 11:38	74-97-5	
Bromodichloromethane	ND	ug/L	6.2	12.5		12/02/14 11:38	75-27-4	
Bromoform	ND	ug/L	6.2	12.5		12/02/14 11:38	75-25-2	
Bromomethane	ND	ug/L	62.5	12.5		12/02/14 11:38	74-83-9	
n-Butylbenzene	ND	ug/L	6.2	12.5		12/02/14 11:38	104-51-8	
sec-Butylbenzene	ND	ug/L	6.2	12.5		12/02/14 11:38	135-98-8	
tert-Butylbenzene	ND	ug/L	6.2	12.5		12/02/14 11:38	98-06-6	
Carbon tetrachloride	ND	ug/L	6.2	12.5		12/02/14 11:38	56-23-5	
Chlorobenzene	ND	ug/L	6.2	12.5		12/02/14 11:38	108-90-7	
Chloroethane	ND	ug/L	12.5	12.5		12/02/14 11:38	75-00-3	
Chloroform	ND	ug/L	6.2	12.5		12/02/14 11:38	67-66-3	
Chloromethane	ND	ug/L	12.5	12.5		12/02/14 11:38	74-87-3	
2-Chlorotoluene	ND	ug/L	6.2	12.5		12/02/14 11:38	95-49-8	
4-Chlorotoluene	ND	ug/L	6.2	12.5		12/02/14 11:38	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	12.5	12.5		12/02/14 11:38	96-12-8	
Dibromochloromethane	ND	ug/L	6.2	12.5		12/02/14 11:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	6.2	12.5		12/02/14 11:38	106-93-4	
Dibromomethane	ND	ug/L	6.2	12.5		12/02/14 11:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	6.2	12.5		12/02/14 11:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	6.2	12.5		12/02/14 11:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	6.2	12.5		12/02/14 11:38	106-46-7	
Dichlorodifluoromethane	ND	ug/L	6.2	12.5		12/02/14 11:38	75-71-8	
1,1-Dichloroethane	ND	ug/L	6.2	12.5		12/02/14 11:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	6.2	12.5		12/02/14 11:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	6.2	12.5		12/02/14 11:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	6.2	12.5		12/02/14 11:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	6.2	12.5		12/02/14 11:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	6.2	12.5		12/02/14 11:38	78-87-5	
1,3-Dichloropropane	ND	ug/L	6.2	12.5		12/02/14 11:38	142-28-9	
2,2-Dichloropropane	ND	ug/L	6.2	12.5		12/02/14 11:38	594-20-7	
1,1-Dichloropropene	ND	ug/L	6.2	12.5		12/02/14 11:38	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	6.2	12.5		12/02/14 11:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	6.2	12.5		12/02/14 11:38	10061-02-6	
Diisopropyl ether	ND	ug/L	6.2	12.5		12/02/14 11:38	108-20-3	
Ethylbenzene	ND	ug/L	6.2	12.5		12/02/14 11:38	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	25.0	12.5		12/02/14 11:38	87-68-3	
Isopropylbenzene (Cumene)	28.7	ug/L	6.2	12.5		12/02/14 11:38	98-82-8	
Methylene Chloride	ND	ug/L	25.0	12.5		12/02/14 11:38	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	6.2	12.5		12/02/14 11:38	1634-04-4	
Naphthalene	298	ug/L	25.0	12.5		12/02/14 11:38	91-20-3	
n-Propylbenzene	71.7	ug/L	6.2	12.5		12/02/14 11:38	103-65-1	
Styrene	ND	ug/L	6.2	12.5		12/02/14 11:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	6.2	12.5		12/02/14 11:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	6.2	12.5		12/02/14 11:38	79-34-5	
Tetrachloroethene	ND	ug/L	6.2	12.5		12/02/14 11:38	127-18-4	

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ANALYTICAL RESULTS

Project: Times Turnaround #39

Pace Project No.: 92227222

Sample: RW-1		Lab ID: 92227222008	Collected: 11/25/14 10:41	Received: 11/25/14 15:31	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Toluene	1860	ug/L	6.2	12.5		12/02/14 11:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	25.0	12.5		12/02/14 11:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	25.0	12.5		12/02/14 11:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	6.2	12.5		12/02/14 11:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	6.2	12.5		12/02/14 11:38	79-00-5	
Trichloroethene	ND	ug/L	6.2	12.5		12/02/14 11:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	12.5	12.5		12/02/14 11:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	6.2	12.5		12/02/14 11:38	96-18-4	
1,2,4-Trimethylbenzene	817	ug/L	6.2	12.5		12/02/14 11:38	95-63-6	
1,3,5-Trimethylbenzene	221	ug/L	6.2	12.5		12/02/14 11:38	108-67-8	
Vinyl chloride	ND	ug/L	12.5	12.5		12/02/14 11:38	75-01-4	
m&p-Xylene	2420	ug/L	12.5	12.5		12/02/14 11:38	179601-23-1	
o-Xylene	1170	ug/L	6.2	12.5		12/02/14 11:38	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%	70-130	12.5		12/02/14 11:38	17060-07-0	
4-Bromofluorobenzene (S)	102	%	70-130	12.5		12/02/14 11:38	460-00-4	
Toluene-d8 (S)	103	%	70-130	12.5		12/02/14 11:38	2037-26-5	

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92227222

Sample: RW-2	Lab ID: 92227222009	Collected: 11/25/14 10:35	Received: 11/25/14 15:31	Matrix: Water					
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6200B MSV		Analytical Method: SM 6200B							
Benzene	2470	ug/L	100	200		12/02/14 06:23	71-43-2		
Bromobenzene	ND	ug/L	100	200		12/02/14 06:23	108-86-1		
Bromochloromethane	ND	ug/L	100	200		12/02/14 06:23	74-97-5		
Bromodichloromethane	ND	ug/L	100	200		12/02/14 06:23	75-27-4		
Bromoform	ND	ug/L	100	200		12/02/14 06:23	75-25-2		
Bromomethane	ND	ug/L	1000	200		12/02/14 06:23	74-83-9		
n-Butylbenzene	ND	ug/L	100	200		12/02/14 06:23	104-51-8		
sec-Butylbenzene	ND	ug/L	100	200		12/02/14 06:23	135-98-8		
tert-Butylbenzene	ND	ug/L	100	200		12/02/14 06:23	98-06-6		
Carbon tetrachloride	ND	ug/L	100	200		12/02/14 06:23	56-23-5		
Chlorobenzene	ND	ug/L	100	200		12/02/14 06:23	108-90-7		
Chloroethane	ND	ug/L	200	200		12/02/14 06:23	75-00-3		
Chloroform	ND	ug/L	100	200		12/02/14 06:23	67-66-3		
Chloromethane	ND	ug/L	200	200		12/02/14 06:23	74-87-3		
2-Chlorotoluene	ND	ug/L	100	200		12/02/14 06:23	95-49-8		
4-Chlorotoluene	ND	ug/L	100	200		12/02/14 06:23	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	200	200		12/02/14 06:23	96-12-8		
Dibromochloromethane	ND	ug/L	100	200		12/02/14 06:23	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	100	200		12/02/14 06:23	106-93-4		
Dibromomethane	ND	ug/L	100	200		12/02/14 06:23	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	100	200		12/02/14 06:23	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	100	200		12/02/14 06:23	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	100	200		12/02/14 06:23	106-46-7		
Dichlorodifluoromethane	ND	ug/L	100	200		12/02/14 06:23	75-71-8		
1,1-Dichloroethane	ND	ug/L	100	200		12/02/14 06:23	75-34-3		
1,2-Dichloroethane	ND	ug/L	100	200		12/02/14 06:23	107-06-2		
1,1-Dichloroethene	ND	ug/L	100	200		12/02/14 06:23	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	100	200		12/02/14 06:23	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	100	200		12/02/14 06:23	156-60-5		
1,2-Dichloropropane	ND	ug/L	100	200		12/02/14 06:23	78-87-5		
1,3-Dichloropropane	ND	ug/L	100	200		12/02/14 06:23	142-28-9		
2,2-Dichloropropane	ND	ug/L	100	200		12/02/14 06:23	594-20-7		
1,1-Dichloropropene	ND	ug/L	100	200		12/02/14 06:23	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	100	200		12/02/14 06:23	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	100	200		12/02/14 06:23	10061-02-6		
Diisopropyl ether	211	ug/L	100	200		12/02/14 06:23	108-20-3		
Ethylbenzene	2680	ug/L	100	200		12/02/14 06:23	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	400	200		12/02/14 06:23	87-68-3		
Isopropylbenzene (Cumene)	ND	ug/L	100	200		12/02/14 06:23	98-82-8		
Methylene Chloride	ND	ug/L	400	200		12/02/14 06:23	75-09-2		
Methyl-tert-butyl ether	ND	ug/L	100	200		12/02/14 06:23	1634-04-4		
Naphthalene	1120	ug/L	400	200		12/02/14 06:23	91-20-3		
n-Propylbenzene	272	ug/L	100	200		12/02/14 06:23	103-65-1		
Styrene	ND	ug/L	100	200		12/02/14 06:23	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	100	200		12/02/14 06:23	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	100	200		12/02/14 06:23	79-34-5		
Tetrachloroethene	ND	ug/L	100	200		12/02/14 06:23	127-18-4		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92227222

Sample: RW-2 **Lab ID:** 92227222009 **Collected:** 11/25/14 10:35 **Received:** 11/25/14 15:31 **Matrix:** Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Toluene	20100	ug/L	100	200		12/02/14 06:23	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	400	200		12/02/14 06:23	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	400	200		12/02/14 06:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	100	200		12/02/14 06:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	100	200		12/02/14 06:23	79-00-5	
Trichloroethene	ND	ug/L	100	200		12/02/14 06:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	200	200		12/02/14 06:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	100	200		12/02/14 06:23	96-18-4	
1,2,4-Trimethylbenzene	2610	ug/L	100	200		12/02/14 06:23	95-63-6	
1,3,5-Trimethylbenzene	634	ug/L	100	200		12/02/14 06:23	108-67-8	
Vinyl chloride	ND	ug/L	200	200		12/02/14 06:23	75-01-4	
m&p-Xylene	10400	ug/L	200	200		12/02/14 06:23	179601-23-1	
o-Xylene	5370	ug/L	100	200		12/02/14 06:23	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%	70-130	200		12/02/14 06:23	17060-07-0	
4-Bromofluorobenzene (S)	101	%	70-130	200		12/02/14 06:23	460-00-4	
Toluene-d8 (S)	103	%	70-130	200		12/02/14 06:23	2037-26-5	

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92227222

Sample: RW-3	Lab ID: 92227222010	Collected: 11/25/14 11:16	Received: 11/25/14 15:31	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		12/02/14 03:01	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		12/02/14 03:01	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		12/02/14 03:01	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		12/02/14 03:01	75-27-4	
Bromoform	ND	ug/L	0.50	1		12/02/14 03:01	75-25-2	
Bromomethane	ND	ug/L	5.0	1		12/02/14 03:01	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		12/02/14 03:01	104-51-8	
sec-Butylbenzene	1.1	ug/L	0.50	1		12/02/14 03:01	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		12/02/14 03:01	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		12/02/14 03:01	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		12/02/14 03:01	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/02/14 03:01	75-00-3	
Chloroform	ND	ug/L	0.50	1		12/02/14 03:01	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/02/14 03:01	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		12/02/14 03:01	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		12/02/14 03:01	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		12/02/14 03:01	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		12/02/14 03:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		12/02/14 03:01	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		12/02/14 03:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		12/02/14 03:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		12/02/14 03:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		12/02/14 03:01	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		12/02/14 03:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		12/02/14 03:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		12/02/14 03:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		12/02/14 03:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		12/02/14 03:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		12/02/14 03:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		12/02/14 03:01	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		12/02/14 03:01	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		12/02/14 03:01	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		12/02/14 03:01	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		12/02/14 03:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		12/02/14 03:01	10061-02-6	
Diisopropyl ether	13.6	ug/L	0.50	1		12/02/14 03:01	108-20-3	
Ethylbenzene	ND	ug/L	0.50	1		12/02/14 03:01	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		12/02/14 03:01	87-68-3	
Isopropylbenzene (Cumene)	0.72	ug/L	0.50	1		12/02/14 03:01	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		12/02/14 03:01	75-09-2	
Methyl-tert-butyl ether	5.8	ug/L	0.50	1		12/02/14 03:01	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		12/02/14 03:01	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		12/02/14 03:01	103-65-1	
Styrene	ND	ug/L	0.50	1		12/02/14 03:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		12/02/14 03:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		12/02/14 03:01	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		12/02/14 03:01	127-18-4	

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92227222

Sample: RW-3	Lab ID: 92227222010	Collected: 11/25/14 11:16	Received: 11/25/14 15:31	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		12/02/14 03:01	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		12/02/14 03:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		12/02/14 03:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		12/02/14 03:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		12/02/14 03:01	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		12/02/14 03:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/02/14 03:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		12/02/14 03:01	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		12/02/14 03:01	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		12/02/14 03:01	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		12/02/14 03:01	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1		12/02/14 03:01	179601-23-1	
o-Xylene	0.85	ug/L	0.50	1		12/02/14 03:01	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	103	%	70-130	1		12/02/14 03:01	17060-07-0	
4-Bromofluorobenzene (S)	100	%	70-130	1		12/02/14 03:01	460-00-4	
Toluene-d8 (S)	103	%	70-130	1		12/02/14 03:01	2037-26-5	

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92227222

Sample: RW-4	Lab ID: 92227222011	Collected: 11/25/14 11:09	Received: 11/25/14 15:31	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Benzene	6.5 ug/L		5.0	10		12/02/14 07:30	71-43-2	
Bromobenzene	ND ug/L		5.0	10		12/02/14 07:30	108-86-1	
Bromochloromethane	ND ug/L		5.0	10		12/02/14 07:30	74-97-5	
Bromodichloromethane	ND ug/L		5.0	10		12/02/14 07:30	75-27-4	
Bromoform	ND ug/L		5.0	10		12/02/14 07:30	75-25-2	
Bromomethane	ND ug/L		50.0	10		12/02/14 07:30	74-83-9	
n-Butylbenzene	ND ug/L		5.0	10		12/02/14 07:30	104-51-8	
sec-Butylbenzene	ND ug/L		5.0	10		12/02/14 07:30	135-98-8	
tert-Butylbenzene	ND ug/L		5.0	10		12/02/14 07:30	98-06-6	
Carbon tetrachloride	ND ug/L		5.0	10		12/02/14 07:30	56-23-5	
Chlorobenzene	ND ug/L		5.0	10		12/02/14 07:30	108-90-7	
Chloroethane	ND ug/L		10.0	10		12/02/14 07:30	75-00-3	
Chloroform	ND ug/L		5.0	10		12/02/14 07:30	67-66-3	
Chloromethane	ND ug/L		10.0	10		12/02/14 07:30	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	10		12/02/14 07:30	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	10		12/02/14 07:30	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		10.0	10		12/02/14 07:30	96-12-8	
Dibromochloromethane	ND ug/L		5.0	10		12/02/14 07:30	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	10		12/02/14 07:30	106-93-4	
Dibromomethane	ND ug/L		5.0	10		12/02/14 07:30	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	10		12/02/14 07:30	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	10		12/02/14 07:30	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	10		12/02/14 07:30	106-46-7	
Dichlorodifluoromethane	ND ug/L		5.0	10		12/02/14 07:30	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	10		12/02/14 07:30	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	10		12/02/14 07:30	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	10		12/02/14 07:30	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	10		12/02/14 07:30	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	10		12/02/14 07:30	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	10		12/02/14 07:30	78-87-5	
1,3-Dichloropropane	ND ug/L		5.0	10		12/02/14 07:30	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	10		12/02/14 07:30	594-20-7	
1,1-Dichloropropene	ND ug/L		5.0	10		12/02/14 07:30	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	10		12/02/14 07:30	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	10		12/02/14 07:30	10061-02-6	
Diisopropyl ether	ND ug/L		5.0	10		12/02/14 07:30	108-20-3	
Ethylbenzene	139 ug/L		5.0	10		12/02/14 07:30	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		20.0	10		12/02/14 07:30	87-68-3	
Isopropylbenzene (Cumene)	32.6 ug/L		5.0	10		12/02/14 07:30	98-82-8	
Methylene Chloride	ND ug/L		20.0	10		12/02/14 07:30	75-09-2	
Methyl-tert-butyl ether	ND ug/L		5.0	10		12/02/14 07:30	1634-04-4	
Naphthalene	287 ug/L		20.0	10		12/02/14 07:30	91-20-3	
n-Propylbenzene	67.9 ug/L		5.0	10		12/02/14 07:30	103-65-1	
Styrene	ND ug/L		5.0	10		12/02/14 07:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		5.0	10		12/02/14 07:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	10		12/02/14 07:30	79-34-5	
Tetrachloroethene	ND ug/L		5.0	10		12/02/14 07:30	127-18-4	

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ANALYTICAL RESULTS

Project: Times Turnaround #39

Pace Project No.: 92227222

Sample: RW-4	Lab ID: 92227222011	Collected: 11/25/14 11:09	Received: 11/25/14 15:31	Matrix: Water					
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6200B MSV		Analytical Method: SM 6200B							
Toluene	90.7 ug/L		5.0	10		12/02/14 07:30	108-88-3		
1,2,3-Trichlorobenzene	ND ug/L		20.0	10		12/02/14 07:30	87-61-6		
1,2,4-Trichlorobenzene	ND ug/L		20.0	10		12/02/14 07:30	120-82-1		
1,1,1-Trichloroethane	ND ug/L		5.0	10		12/02/14 07:30	71-55-6		
1,1,2-Trichloroethane	ND ug/L		5.0	10		12/02/14 07:30	79-00-5		
Trichloroethene	ND ug/L		5.0	10		12/02/14 07:30	79-01-6		
Trichlorofluoromethane	ND ug/L		10.0	10		12/02/14 07:30	75-69-4		
1,2,3-Trichloropropane	ND ug/L		5.0	10		12/02/14 07:30	96-18-4		
1,2,4-Trimethylbenzene	1040 ug/L		5.0	10		12/02/14 07:30	95-63-6		
1,3,5-Trimethylbenzene	305 ug/L		5.0	10		12/02/14 07:30	108-67-8		
Vinyl chloride	ND ug/L		10.0	10		12/02/14 07:30	75-01-4		
m&p-Xylene	513 ug/L		10.0	10		12/02/14 07:30	179601-23-1		
o-Xylene	468 ug/L		5.0	10		12/02/14 07:30	95-47-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	102 %		70-130	10		12/02/14 07:30	17060-07-0		
4-Bromofluorobenzene (S)	101 %		70-130	10		12/02/14 07:30	460-00-4		
Toluene-d8 (S)	103 %		70-130	10		12/02/14 07:30	2037-26-5		

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92227222

Sample: DMW-1 Lab ID: 92227222012 Collected: 11/25/14 10:47 Received: 11/25/14 15:31 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		12/02/14 03:18	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		12/02/14 03:18	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		12/02/14 03:18	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		12/02/14 03:18	75-27-4	
Bromoform	ND	ug/L	0.50	1		12/02/14 03:18	75-25-2	
Bromomethane	ND	ug/L	5.0	1		12/02/14 03:18	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		12/02/14 03:18	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		12/02/14 03:18	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		12/02/14 03:18	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		12/02/14 03:18	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		12/02/14 03:18	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/02/14 03:18	75-00-3	
Chloroform	0.98	ug/L	0.50	1		12/02/14 03:18	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/02/14 03:18	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		12/02/14 03:18	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		12/02/14 03:18	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		12/02/14 03:18	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		12/02/14 03:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		12/02/14 03:18	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		12/02/14 03:18	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		12/02/14 03:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		12/02/14 03:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		12/02/14 03:18	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		12/02/14 03:18	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		12/02/14 03:18	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		12/02/14 03:18	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		12/02/14 03:18	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		12/02/14 03:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		12/02/14 03:18	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		12/02/14 03:18	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		12/02/14 03:18	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		12/02/14 03:18	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		12/02/14 03:18	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		12/02/14 03:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		12/02/14 03:18	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	1		12/02/14 03:18	108-20-3	
Ethylbenzene	ND	ug/L	0.50	1		12/02/14 03:18	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		12/02/14 03:18	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		12/02/14 03:18	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		12/02/14 03:18	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		12/02/14 03:18	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		12/02/14 03:18	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		12/02/14 03:18	103-65-1	
Styrene	ND	ug/L	0.50	1		12/02/14 03:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		12/02/14 03:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		12/02/14 03:18	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		12/02/14 03:18	127-18-4	

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ANALYTICAL RESULTS

Project: Times Turnaround #39

Pace Project No.: 92227222

Sample: DMW-1	Lab ID: 92227222012	Collected: 11/25/14 10:47	Received: 11/25/14 15:31	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		12/02/14 03:18	108-88-3		
1,2,3-Trichlorobenzene	ND ug/L		2.0	1		12/02/14 03:18	87-61-6		
1,2,4-Trichlorobenzene	ND ug/L		2.0	1		12/02/14 03:18	120-82-1		
1,1,1-Trichloroethane	ND ug/L		0.50	1		12/02/14 03:18	71-55-6		
1,1,2-Trichloroethane	ND ug/L		0.50	1		12/02/14 03:18	79-00-5		
Trichloroethene	ND ug/L		0.50	1		12/02/14 03:18	79-01-6		
Trichlorofluoromethane	ND ug/L		1.0	1		12/02/14 03:18	75-69-4		
1,2,3-Trichloropropane	ND ug/L		0.50	1		12/02/14 03:18	96-18-4		
1,2,4-Trimethylbenzene	ND ug/L		0.50	1		12/02/14 03:18	95-63-6		
1,3,5-Trimethylbenzene	ND ug/L		0.50	1		12/02/14 03:18	108-67-8		
Vinyl chloride	ND ug/L		1.0	1		12/02/14 03:18	75-01-4		
m&p-Xylene	ND ug/L		1.0	1		12/02/14 03:18	179601-23-1		
o-Xylene	ND ug/L		0.50	1		12/02/14 03:18	95-47-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	101 %		70-130	1		12/02/14 03:18	17060-07-0		
4-Bromofluorobenzene (S)	99 %		70-130	1		12/02/14 03:18	460-00-4		
Toluene-d8 (S)	103 %		70-130	1		12/02/14 03:18	2037-26-5		

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92227222

Sample: Trip Blank	Lab ID: 92227222013	Collected: 11/25/14 00:00	Received: 11/25/14 15:31	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		12/02/14 03:35	71-43-2	
Bromobenzene	ND ug/L		0.50	1		12/02/14 03:35	108-86-1	
Bromochloromethane	ND ug/L		0.50	1		12/02/14 03:35	74-97-5	
Bromodichloromethane	ND ug/L		0.50	1		12/02/14 03:35	75-27-4	
Bromoform	ND ug/L		0.50	1		12/02/14 03:35	75-25-2	
Bromomethane	ND ug/L		5.0	1		12/02/14 03:35	74-83-9	
n-Butylbenzene	ND ug/L		0.50	1		12/02/14 03:35	104-51-8	
sec-Butylbenzene	ND ug/L		0.50	1		12/02/14 03:35	135-98-8	
tert-Butylbenzene	ND ug/L		0.50	1		12/02/14 03:35	98-06-6	
Carbon tetrachloride	ND ug/L		0.50	1		12/02/14 03:35	56-23-5	
Chlorobenzene	ND ug/L		0.50	1		12/02/14 03:35	108-90-7	
Chloroethane	ND ug/L		1.0	1		12/02/14 03:35	75-00-3	
Chloroform	ND ug/L		0.50	1		12/02/14 03:35	67-66-3	
Chloromethane	ND ug/L		1.0	1		12/02/14 03:35	74-87-3	
2-Chlorotoluene	ND ug/L		0.50	1		12/02/14 03:35	95-49-8	
4-Chlorotoluene	ND ug/L		0.50	1		12/02/14 03:35	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		12/02/14 03:35	96-12-8	
Dibromochloromethane	ND ug/L		0.50	1		12/02/14 03:35	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		0.50	1		12/02/14 03:35	106-93-4	
Dibromomethane	ND ug/L		0.50	1		12/02/14 03:35	74-95-3	
1,2-Dichlorobenzene	ND ug/L		0.50	1		12/02/14 03:35	95-50-1	
1,3-Dichlorobenzene	ND ug/L		0.50	1		12/02/14 03:35	541-73-1	
1,4-Dichlorobenzene	ND ug/L		0.50	1		12/02/14 03:35	106-46-7	
Dichlorodifluoromethane	ND ug/L		0.50	1		12/02/14 03:35	75-71-8	
1,1-Dichloroethane	ND ug/L		0.50	1		12/02/14 03:35	75-34-3	
1,2-Dichloroethane	ND ug/L		0.50	1		12/02/14 03:35	107-06-2	
1,1-Dichloroethene	ND ug/L		0.50	1		12/02/14 03:35	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		0.50	1		12/02/14 03:35	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		0.50	1		12/02/14 03:35	156-60-5	
1,2-Dichloropropane	ND ug/L		0.50	1		12/02/14 03:35	78-87-5	
1,3-Dichloropropane	ND ug/L		0.50	1		12/02/14 03:35	142-28-9	
2,2-Dichloropropane	ND ug/L		0.50	1		12/02/14 03:35	594-20-7	
1,1-Dichloropropene	ND ug/L		0.50	1		12/02/14 03:35	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		0.50	1		12/02/14 03:35	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		0.50	1		12/02/14 03:35	10061-02-6	
Diisopropyl ether	ND ug/L		0.50	1		12/02/14 03:35	108-20-3	
Ethylbenzene	ND ug/L		0.50	1		12/02/14 03:35	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		2.0	1		12/02/14 03:35	87-68-3	
Isopropylbenzene (Cumene)	ND ug/L		0.50	1		12/02/14 03:35	98-82-8	
Methylene Chloride	ND ug/L		2.0	1		12/02/14 03:35	75-09-2	
Methyl-tert-butyl ether	ND ug/L		0.50	1		12/02/14 03:35	1634-04-4	
Naphthalene	ND ug/L		2.0	1		12/02/14 03:35	91-20-3	
n-Propylbenzene	ND ug/L		0.50	1		12/02/14 03:35	103-65-1	
Styrene	ND ug/L		0.50	1		12/02/14 03:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		0.50	1		12/02/14 03:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		0.50	1		12/02/14 03:35	79-34-5	
Tetrachloroethene	ND ug/L		0.50	1		12/02/14 03:35	127-18-4	

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92227222

Sample: Trip Blank	Lab ID: 92227222013	Collected: 11/25/14 00:00	Received: 11/25/14 15:31	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		12/02/14 03:35	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		2.0	1		12/02/14 03:35	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		2.0	1		12/02/14 03:35	120-82-1	
1,1,1-Trichloroethane	ND ug/L		0.50	1		12/02/14 03:35	71-55-6	
1,1,2-Trichloroethane	ND ug/L		0.50	1		12/02/14 03:35	79-00-5	
Trichloroethene	ND ug/L		0.50	1		12/02/14 03:35	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		12/02/14 03:35	75-69-4	
1,2,3-Trichloropropane	ND ug/L		0.50	1		12/02/14 03:35	96-18-4	
1,2,4-Trimethylbenzene	ND ug/L		0.50	1		12/02/14 03:35	95-63-6	
1,3,5-Trimethylbenzene	ND ug/L		0.50	1		12/02/14 03:35	108-67-8	
Vinyl chloride	ND ug/L		1.0	1		12/02/14 03:35	75-01-4	
m&p-Xylene	ND ug/L		1.0	1		12/02/14 03:35	179601-23-1	
o-Xylene	ND ug/L		0.50	1		12/02/14 03:35	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	100 %		70-130	1		12/02/14 03:35	17060-07-0	
4-Bromofluorobenzene (S)	100 %		70-130	1		12/02/14 03:35	460-00-4	
Toluene-d8 (S)	101 %		70-130	1		12/02/14 03:35	2037-26-5	

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QUALITY CONTROL DATA

Project: Times Turnaround #39

Pace Project No.: 92227222

QC Batch:	MSV/29436	Analysis Method:	SM 6200B
QC Batch Method:	SM 6200B	Analysis Description:	6200B MSV
Associated Lab Samples:	92227222005, 92227222006, 92227222007, 92227222008, 92227222009, 92227222010, 92227222011, 92227222012, 92227222013		

METHOD BLANK:	1340734	Matrix:	Water
Associated Lab Samples:	92227222005, 92227222006, 92227222007, 92227222008, 92227222009, 92227222010, 92227222011, 92227222012, 92227222013		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	12/02/14 02:28	
1,1,1-Trichloroethane	ug/L	ND	0.50	12/02/14 02:28	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	12/02/14 02:28	
1,1,2-Trichloroethane	ug/L	ND	0.50	12/02/14 02:28	
1,1-Dichloroethane	ug/L	ND	0.50	12/02/14 02:28	
1,1-Dichloroethene	ug/L	ND	0.50	12/02/14 02:28	
1,1-Dichloropropene	ug/L	ND	0.50	12/02/14 02:28	
1,2,3-Trichlorobenzene	ug/L	ND	2.0	12/02/14 02:28	
1,2,3-Trichloropropane	ug/L	ND	0.50	12/02/14 02:28	
1,2,4-Trichlorobenzene	ug/L	ND	2.0	12/02/14 02:28	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	12/02/14 02:28	
1,2-Dibromo-3-chloropropane	ug/L	ND	1.0	12/02/14 02:28	
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	12/02/14 02:28	
1,2-Dichlorobenzene	ug/L	ND	0.50	12/02/14 02:28	
1,2-Dichloroethane	ug/L	ND	0.50	12/02/14 02:28	
1,2-Dichloropropane	ug/L	ND	0.50	12/02/14 02:28	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	12/02/14 02:28	
1,3-Dichlorobenzene	ug/L	ND	0.50	12/02/14 02:28	
1,3-Dichloropropane	ug/L	ND	0.50	12/02/14 02:28	
1,4-Dichlorobenzene	ug/L	ND	0.50	12/02/14 02:28	
2,2-Dichloropropane	ug/L	ND	0.50	12/02/14 02:28	
2-Chlorotoluene	ug/L	ND	0.50	12/02/14 02:28	
4-Chlorotoluene	ug/L	ND	0.50	12/02/14 02:28	
Benzene	ug/L	ND	0.50	12/02/14 02:28	
Bromobenzene	ug/L	ND	0.50	12/02/14 02:28	
Bromochloromethane	ug/L	ND	0.50	12/02/14 02:28	
Bromodichloromethane	ug/L	ND	0.50	12/02/14 02:28	
Bromoform	ug/L	ND	0.50	12/02/14 02:28	
Bromomethane	ug/L	ND	5.0	12/02/14 02:28	
Carbon tetrachloride	ug/L	ND	0.50	12/02/14 02:28	
Chlorobenzene	ug/L	ND	0.50	12/02/14 02:28	
Chloroethane	ug/L	ND	1.0	12/02/14 02:28	
Chloroform	ug/L	ND	0.50	12/02/14 02:28	
Chloromethane	ug/L	ND	1.0	12/02/14 02:28	
cis-1,2-Dichloroethene	ug/L	ND	0.50	12/02/14 02:28	
cis-1,3-Dichloropropene	ug/L	ND	0.50	12/02/14 02:28	
Dibromochloromethane	ug/L	ND	0.50	12/02/14 02:28	
Dibromomethane	ug/L	ND	0.50	12/02/14 02:28	
Dichlorodifluoromethane	ug/L	ND	0.50	12/02/14 02:28	
Diisopropyl ether	ug/L	ND	0.50	12/02/14 02:28	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Times Turnaround #39

Pace Project No.: 92227222

METHOD BLANK: 1340734

Matrix: Water

Associated Lab Samples: 92227222005, 92227222006, 92227222007, 92227222008, 92227222009, 92227222010, 92227222011, 92227222012, 92227222013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	ND	0.50	12/02/14 02:28	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	12/02/14 02:28	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	12/02/14 02:28	
m&p-Xylene	ug/L	ND	1.0	12/02/14 02:28	
Methyl-tert-butyl ether	ug/L	ND	0.50	12/02/14 02:28	
Methylene Chloride	ug/L	ND	2.0	12/02/14 02:28	
n-Butylbenzene	ug/L	ND	0.50	12/02/14 02:28	
n-Propylbenzene	ug/L	ND	0.50	12/02/14 02:28	
Naphthalene	ug/L	ND	2.0	12/02/14 02:28	
o-Xylene	ug/L	ND	0.50	12/02/14 02:28	
sec-Butylbenzene	ug/L	ND	0.50	12/02/14 02:28	
Styrene	ug/L	ND	0.50	12/02/14 02:28	
tert-Butylbenzene	ug/L	ND	0.50	12/02/14 02:28	
Tetrachloroethene	ug/L	ND	0.50	12/02/14 02:28	
Toluene	ug/L	ND	0.50	12/02/14 02:28	
trans-1,2-Dichloroethene	ug/L	ND	0.50	12/02/14 02:28	
trans-1,3-Dichloropropene	ug/L	ND	0.50	12/02/14 02:28	
Trichloroethene	ug/L	ND	0.50	12/02/14 02:28	
Trichlorofluoromethane	ug/L	ND	1.0	12/02/14 02:28	
Vinyl chloride	ug/L	ND	1.0	12/02/14 02:28	
1,2-Dichloroethane-d4 (S)	%	100	70-130	12/02/14 02:28	
4-Bromofluorobenzene (S)	%	99	70-130	12/02/14 02:28	
Toluene-d8 (S)	%	104	70-130	12/02/14 02:28	

LABORATORY CONTROL SAMPLE: 1340735

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	45.1	90	60-140	
1,1,1-Trichloroethane	ug/L	50	48.3	97	60-140	
1,1,2,2-Tetrachloroethane	ug/L	50	45.0	90	60-140	
1,1,2-Trichloroethane	ug/L	50	48.8	98	60-140	
1,1-Dichloroethane	ug/L	50	48.7	97	60-140	
1,1-Dichloroethene	ug/L	50	42.8	86	60-140	
1,1-Dichloropropene	ug/L	50	51.9	104	60-140	
1,2,3-Trichlorobenzene	ug/L	50	45.3	91	60-140	
1,2,3-Trichloropropane	ug/L	50	42.0	84	60-140	
1,2,4-Trichlorobenzene	ug/L	50	45.5	91	60-140	
1,2,4-Trimethylbenzene	ug/L	50	45.0	90	60-140	
1,2-Dibromo-3-chloropropane	ug/L	50	76.2	152	60-140	CU,L3
1,2-Dibromoethane (EDB)	ug/L	50	45.7	91	60-140	
1,2-Dichlorobenzene	ug/L	50	43.4	87	60-140	
1,2-Dichloroethane	ug/L	50	45.5	91	60-140	
1,2-Dichloropropane	ug/L	50	46.1	92	60-140	

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QUALITY CONTROL DATA

Project: Times Turnaround #39

Pace Project No.: 92227222

LABORATORY CONTROL SAMPLE: 1340735

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3,5-Trimethylbenzene	ug/L	50	44.6	89	60-140	
1,3-Dichlorobenzene	ug/L	50	42.6	85	60-140	
1,3-Dichloropropane	ug/L	50	44.1	88	60-140	
1,4-Dichlorobenzene	ug/L	50	41.6	83	60-140	
2,2-Dichloropropane	ug/L	50	45.2	90	60-140	
2-Chlorotoluene	ug/L	50	43.3	87	60-140	
4-Chlorotoluene	ug/L	50	43.7	87	60-140	
Benzene	ug/L	50	48.9	98	60-140	
Bromobenzene	ug/L	50	43.0	86	60-140	
Bromochloromethane	ug/L	50	48.0	96	60-140	
Bromodichloromethane	ug/L	50	44.7	89	60-140	
Bromoform	ug/L	50	38.4	77	60-140	
Bromomethane	ug/L	50	35.2	70	60-140	
Carbon tetrachloride	ug/L	50	45.9	92	60-140	
Chlorobenzene	ug/L	50	42.7	85	60-140	
Chloroethane	ug/L	50	37.6	75	60-140	
Chloroform	ug/L	50	44.3	89	60-140	
Chloromethane	ug/L	50	50.3	101	60-140	
cis-1,2-Dichloroethene	ug/L	50	49.4	99	60-140	
cis-1,3-Dichloropropene	ug/L	50	49.8	100	60-140	
Dibromochloromethane	ug/L	50	42.5	85	60-140	
Dibromomethane	ug/L	50	47.4	95	60-140	
Dichlorodifluoromethane	ug/L	50	59.8	120	60-140	
Diisopropyl ether	ug/L	50	46.7	93	60-140	
Ethylbenzene	ug/L	50	44.5	89	60-140	
Hexachloro-1,3-butadiene	ug/L	50	43.9	88	60-140	
Isopropylbenzene (Cumene)	ug/L	50	45.5	91	60-140	
m&p-Xylene	ug/L	100	88.9	89	60-140	
Methyl-tert-butyl ether	ug/L	50	42.0	84	60-140	
Methylene Chloride	ug/L	50	45.2	90	60-140	
n-Butylbenzene	ug/L	50	44.5	89	60-140	
n-Propylbenzene	ug/L	50	43.2	86	60-140	
Naphthalene	ug/L	50	47.0	94	60-140	
o-Xylene	ug/L	50	44.0	88	60-140	
sec-Butylbenzene	ug/L	50	43.8	88	60-140	
Styrene	ug/L	50	48.1	96	60-140	
tert-Butylbenzene	ug/L	50	37.6	75	60-140	
Tetrachloroethene	ug/L	50	40.2	80	60-140	
Toluene	ug/L	50	47.3	95	60-140	
trans-1,2-Dichloroethene	ug/L	50	45.5	91	60-140	
trans-1,3-Dichloropropene	ug/L	50	50.6	101	60-140	
Trichloroethene	ug/L	50	46.3	93	60-140	
Trichlorofluoromethane	ug/L	50	44.5	89	60-140	
Vinyl chloride	ug/L	50	56.0	112	60-140	
1,2-Dichloroethane-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Toluene-d8 (S)	%			103	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Times Turnaround #39

Pace Project No.: 92227222

Parameter	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1340736				1340737				% Rec Limits	RPD	Qual
	Units	92227222005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec			
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	19.7	19.0	98	95	60-140	3	
1,1,1-Trichloroethane	ug/L	ND	20	20	23.6	23.0	118	115	60-140	2	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	19.5	18.6	97	93	60-140	4	
1,1,2-Trichloroethane	ug/L	ND	20	20	21.9	21.2	109	106	60-140	3	
1,1-Dichloroethane	ug/L	ND	20	20	23.6	22.9	118	114	60-140	3	
1,1-Dichloroethene	ug/L	ND	20	20	21.8	21.4	109	107	60-140	2	
1,1-Dichloropropene	ug/L	ND	20	20	25.5	24.8	128	124	60-140	3	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	18.8	18.8	93	93	60-140	0	
1,2,3-Trichloropropane	ug/L	ND	20	20	18.3	17.9	92	90	60-140	2	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	19.2	18.7	95	93	60-140	2	
1,2,4-Trimethylbenzene	ug/L	ND	20	20	20.2	19.7	101	98	60-140	3	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	29.9	28.4	149	142	60-140	5	M0
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	19.6	18.9	98	94	60-140	4	
1,2-Dichlorobenzene	ug/L	ND	20	20	19.3	18.7	96	94	60-140	3	
1,2-Dichloroethane	ug/L	ND	20	20	21.3	20.5	107	102	60-140	4	
1,2-Dichloropropane	ug/L	ND	20	20	21.1	20.4	106	102	60-140	3	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	20.3	19.8	102	99	60-140	3	
1,3-Dichlorobenzene	ug/L	ND	20	20	19.1	18.6	95	93	60-140	2	
1,3-Dichloropropane	ug/L	ND	20	20	19.1	18.5	96	93	60-140	3	
1,4-Dichlorobenzene	ug/L	ND	20	20	18.7	18.3	93	91	60-140	2	
2,2-Dichloropropane	ug/L	ND	20	20	19.3	18.8	97	94	60-140	3	
2-Chlorotoluene	ug/L	ND	20	20	19.5	18.7	97	94	60-140	4	
4-Chlorotoluene	ug/L	ND	20	20	19.3	19.0	97	95	60-140	2	
Benzene	ug/L	ND	20	20	22.5	22.1	112	111	60-140	2	
Bromobenzene	ug/L	ND	20	20	18.8	17.8	94	89	60-140	5	
Bromochloromethane	ug/L	ND	20	20	24.1	23.0	120	115	60-140	5	
Bromodichloromethane	ug/L	ND	20	20	19.5	18.9	98	95	60-140	3	
Bromoform	ug/L	ND	20	20	15.4	14.9	77	75	60-140	3	
Bromomethane	ug/L	ND	20	20	21.3	19.8	106	99	60-140	7	
Carbon tetrachloride	ug/L	ND	20	20	21.8	21.4	109	107	60-140	2	
Chlorobenzene	ug/L	ND	20	20	19.5	18.9	97	94	60-140	3	
Chloroethane	ug/L	ND	20	20	22.2	23.2	111	116	60-140	4	
Chloroform	ug/L	ND	20	20	21.2	20.7	105	103	60-140	3	
Chloromethane	ug/L	ND	20	20	23.1	23.3	116	116	60-140	1	
cis-1,2-Dichloroethene	ug/L	ND	20	20	23.6	22.9	118	114	60-140	3	
cis-1,3-Dichloropropene	ug/L	ND	20	20	20.3	19.8	101	99	60-140	2	
Dibromochloromethane	ug/L	ND	20	20	17.1	16.7	86	83	60-140	3	
Dibromomethane	ug/L	ND	20	20	21.2	20.4	106	102	60-140	4	
Dichlorodifluoromethane	ug/L	ND	20	20	29.5	29.3	147	146	60-140	1	M0
Diisopropyl ether	ug/L	ND	20	20	22.0	21.1	110	106	60-140	4	
Ethylbenzene	ug/L	ND	20	20	20.3	19.9	102	99	60-140	2	
Hexachloro-1,3-butadiene	ug/L	ND	20	20	19.4	19.6	97	98	60-140	1	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	21.0	20.4	105	102	60-140	3	
m&p-Xylene	ug/L	ND	40	40	41.2	39.8	103	100	60-140	3	
Methyl-tert-butyl ether	ug/L	ND	20	20	20.3	18.5	101	92	60-140	9	
Methylene Chloride	ug/L	ND	20	20	18.2	18.5	91	92	60-140	1	

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QUALITY CONTROL DATA

Project: Times Turnaround #39

Pace Project No.: 92227222

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1340736 1340737

Parameter	92227222005		MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Qual
	Units	Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
n-Butylbenzene	ug/L	ND	20	20	19.9	19.5	99	98	60-140	2		
n-Propylbenzene	ug/L	ND	20	20	19.9	19.3	99	96	60-140	3		
Naphthalene	ug/L	ND	20	20	19.2	18.9	95	94	60-140	2		
o-Xylene	ug/L	ND	20	20	19.6	19.1	98	96	60-140	2		
sec-Butylbenzene	ug/L	ND	20	20	20.2	19.7	101	98	60-140	3		
Styrene	ug/L	ND	20	20	20.8	20.4	104	102	60-140	2		
tert-Butylbenzene	ug/L	ND	20	20	17.4	16.9	87	85	60-140	3		
Tetrachloroethene	ug/L	ND	20	20	19.1	18.4	95	92	60-140	4		
Toluene	ug/L	ND	20	20	22.2	21.6	111	108	60-140	3		
trans-1,2-Dichloroethene	ug/L	ND	20	20	21.7	21.8	109	109	60-140	0		
trans-1,3-Dichloropropene	ug/L	ND	20	20	20.9	20.4	105	102	60-140	2		
Trichloroethene	ug/L	ND	20	20	22.0	21.3	110	107	60-140	3		
Trichlorofluoromethane	ug/L	ND	20	20	24.9	24.5	125	123	60-140	2		
Vinyl chloride	ug/L	ND	20	20	27.4	27.6	137	138	60-140	1		
1,2-Dichloroethane-d4 (S)	%						100	101	70-130			
4-Bromofluorobenzene (S)	%						104	103	70-130			
Toluene-d8 (S)	%						103	103	70-130			

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QUALITY CONTROL DATA

Project: Times Turnaround #39
Pace Project No.: 92227222

QC Batch: MSV/29455 Analysis Method: SM 6200B
QC Batch Method: SM 6200B Analysis Description: 6200B MSV
Associated Lab Samples: 92227222004

METHOD BLANK: 1341517 Matrix: Water
Associated Lab Samples: 92227222004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	12/03/14 00:17	
1,1,1-Trichloroethane	ug/L	ND	0.50	12/03/14 00:17	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	12/03/14 00:17	
1,1,2-Trichloroethane	ug/L	ND	0.50	12/03/14 00:17	
1,1-Dichloroethane	ug/L	ND	0.50	12/03/14 00:17	
1,1-Dichloroethene	ug/L	ND	0.50	12/03/14 00:17	
1,1-Dichloropropene	ug/L	ND	0.50	12/03/14 00:17	
1,2,3-Trichlorobenzene	ug/L	ND	2.0	12/03/14 00:17	
1,2,3-Trichloropropane	ug/L	ND	0.50	12/03/14 00:17	
1,2,4-Trichlorobenzene	ug/L	ND	2.0	12/03/14 00:17	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	12/03/14 00:17	
1,2-Dibromo-3-chloropropane	ug/L	ND	1.0	12/03/14 00:17	
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	12/03/14 00:17	
1,2-Dichlorobenzene	ug/L	ND	0.50	12/03/14 00:17	
1,2-Dichloroethane	ug/L	ND	0.50	12/03/14 00:17	
1,2-Dichloropropane	ug/L	ND	0.50	12/03/14 00:17	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	12/03/14 00:17	
1,3-Dichlorobenzene	ug/L	ND	0.50	12/03/14 00:17	
1,3-Dichloropropane	ug/L	ND	0.50	12/03/14 00:17	
1,4-Dichlorobenzene	ug/L	ND	0.50	12/03/14 00:17	
2,2-Dichloropropane	ug/L	ND	0.50	12/03/14 00:17	
2-Chlorotoluene	ug/L	ND	0.50	12/03/14 00:17	
4-Chlorotoluene	ug/L	ND	0.50	12/03/14 00:17	
Benzene	ug/L	ND	0.50	12/03/14 00:17	
Bromobenzene	ug/L	ND	0.50	12/03/14 00:17	
Bromochloromethane	ug/L	ND	0.50	12/03/14 00:17	
Bromodichloromethane	ug/L	ND	0.50	12/03/14 00:17	
Bromoform	ug/L	ND	0.50	12/03/14 00:17	
Bromomethane	ug/L	ND	5.0	12/03/14 00:17	
Carbon tetrachloride	ug/L	ND	0.50	12/03/14 00:17	
Chlorobenzene	ug/L	ND	0.50	12/03/14 00:17	
Chloroethane	ug/L	ND	1.0	12/03/14 00:17	
Chloroform	ug/L	ND	0.50	12/03/14 00:17	
Chloromethane	ug/L	ND	1.0	12/03/14 00:17	
cis-1,2-Dichloroethene	ug/L	ND	0.50	12/03/14 00:17	
cis-1,3-Dichloropropene	ug/L	ND	0.50	12/03/14 00:17	
Dibromochloromethane	ug/L	ND	0.50	12/03/14 00:17	
Dibromomethane	ug/L	ND	0.50	12/03/14 00:17	
Dichlorodifluoromethane	ug/L	ND	0.50	12/03/14 00:17	
Diisopropyl ether	ug/L	ND	0.50	12/03/14 00:17	
Ethylbenzene	ug/L	ND	0.50	12/03/14 00:17	

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QUALITY CONTROL DATA

Project: Times Turnaround #39
Pace Project No.: 92227222

METHOD BLANK: 1341517 Matrix: Water
Associated Lab Samples: 92227222004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	2.0	12/03/14 00:17	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	12/03/14 00:17	
m&p-Xylene	ug/L	ND	1.0	12/03/14 00:17	
Methyl-tert-butyl ether	ug/L	ND	0.50	12/03/14 00:17	
Methylene Chloride	ug/L	ND	2.0	12/03/14 00:17	
n-Butylbenzene	ug/L	ND	0.50	12/03/14 00:17	
n-Propylbenzene	ug/L	ND	0.50	12/03/14 00:17	
Naphthalene	ug/L	ND	2.0	12/03/14 00:17	
o-Xylene	ug/L	ND	0.50	12/03/14 00:17	
sec-Butylbenzene	ug/L	ND	0.50	12/03/14 00:17	
Styrene	ug/L	ND	0.50	12/03/14 00:17	
tert-Butylbenzene	ug/L	ND	0.50	12/03/14 00:17	
Tetrachloroethene	ug/L	ND	0.50	12/03/14 00:17	
Toluene	ug/L	ND	0.50	12/03/14 00:17	
trans-1,2-Dichloroethene	ug/L	ND	0.50	12/03/14 00:17	
trans-1,3-Dichloropropene	ug/L	ND	0.50	12/03/14 00:17	
Trichloroethene	ug/L	ND	0.50	12/03/14 00:17	
Trichlorofluoromethane	ug/L	ND	1.0	12/03/14 00:17	
Vinyl chloride	ug/L	ND	1.0	12/03/14 00:17	
1,2-Dichloroethane-d4 (S)	%	103	70-130	12/03/14 00:17	
4-Bromofluorobenzene (S)	%	101	70-130	12/03/14 00:17	
Toluene-d8 (S)	%	103	70-130	12/03/14 00:17	

LABORATORY CONTROL SAMPLE: 1341518

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	47.0	94	60-140	
1,1,1-Trichloroethane	ug/L	50	55.4	111	60-140	
1,1,2,2-Tetrachloroethane	ug/L	50	46.7	93	60-140	
1,1,2-Trichloroethane	ug/L	50	52.6	105	60-140	
1,1-Dichloroethane	ug/L	50	54.2	108	60-140	
1,1-Dichloroethene	ug/L	50	49.4	99	60-140	
1,1-Dichloropropene	ug/L	50	59.7	119	60-140	
1,2,3-Trichlorobenzene	ug/L	50	46.5	93	60-140	
1,2,3-Trichloropropane	ug/L	50	43.8	88	60-140	
1,2,4-Trichlorobenzene	ug/L	50	46.6	93	60-140	
1,2,4-Trimethylbenzene	ug/L	50	46.5	93	60-140	
1,2-Dibromo-3-chloropropane	ug/L	50	77.1	154	60-140	CU,L3
1,2-Dibromoethane (EDB)	ug/L	50	47.9	96	60-140	
1,2-Dichlorobenzene	ug/L	50	44.5	89	60-140	
1,2-Dichloroethane	ug/L	50	50.9	102	60-140	
1,2-Dichloropropane	ug/L	50	49.6	99	60-140	
1,3,5-Trimethylbenzene	ug/L	50	46.0	92	60-140	
1,3-Dichlorobenzene	ug/L	50	44.0	88	60-140	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Times Turnaround #39
Pace Project No.: 92227222

LABORATORY CONTROL SAMPLE: 1341518

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	45.8	92	60-140	
1,4-Dichlorobenzene	ug/L	50	42.8	86	60-140	
2,2-Dichloropropane	ug/L	50	53.6	107	60-140	
2-Chlorotoluene	ug/L	50	43.8	88	60-140	
4-Chlorotoluene	ug/L	50	44.6	89	60-140	
Benzene	ug/L	50	53.1	106	60-140	
Bromobenzene	ug/L	50	44.3	89	60-140	
Bromochloromethane	ug/L	50	53.9	108	60-140	
Bromodichloromethane	ug/L	50	47.6	95	60-140	
Bromoform	ug/L	50	40.1	80	60-140	
Bromomethane	ug/L	50	39.9	80	60-140	
Carbon tetrachloride	ug/L	50	51.3	103	60-140	
Chlorobenzene	ug/L	50	44.9	90	60-140	
Chloroethane	ug/L	50	42.0	84	60-140	
Chloroform	ug/L	50	49.8	100	60-140	
Chloromethane	ug/L	50	56.3	113	60-140	
cis-1,2-Dichloroethene	ug/L	50	54.9	110	60-140	
cis-1,3-Dichloropropene	ug/L	50	54.5	109	60-140	
Dibromochloromethane	ug/L	50	44.2	88	60-140	
Dibromomethane	ug/L	50	50.7	101	60-140	
Dichlorodifluoromethane	ug/L	50	72.0	144	60-140	
Diisopropyl ether	ug/L	50	51.6	103	60-140	
Ethylbenzene	ug/L	50	47.2	94	60-140	
Hexachloro-1,3-butadiene	ug/L	50	46.2	92	60-140	
Isopropylbenzene (Cumene)	ug/L	50	48.4	97	60-140	
m&p-Xylene	ug/L	100	94.2	94	60-140	
Methyl-tert-butyl ether	ug/L	50	46.3	93	60-140	
Methylene Chloride	ug/L	50	49.5	99	60-140	
n-Butylbenzene	ug/L	50	46.7	93	60-140	
n-Propylbenzene	ug/L	50	44.9	90	60-140	
Naphthalene	ug/L	50	48.1	96	60-140	
o-Xylene	ug/L	50	46.7	93	60-140	
sec-Butylbenzene	ug/L	50	45.6	91	60-140	
Styrene	ug/L	50	50.4	101	60-140	
tert-Butylbenzene	ug/L	50	39.3	79	60-140	
Tetrachloroethene	ug/L	50	43.8	88	60-140	
Toluene	ug/L	50	51.6	103	60-140	
trans-1,2-Dichloroethene	ug/L	50	51.2	102	60-140	
trans-1,3-Dichloropropene	ug/L	50	55.3	111	60-140	
Trichloroethene	ug/L	50	50.7	101	60-140	
Trichlorofluoromethane	ug/L	50	52.8	106	60-140	
Vinyl chloride	ug/L	50	64.8	130	60-140	
1,2-Dichloroethane-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			105	70-130	
Toluene-d8 (S)	%			104	70-130	

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QUALITY CONTROL DATA

Project: Times Turnaround #39

Pace Project No.: 92227222

Parameter	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1341519				1341520				% Rec	Limits	RPD	Qual
	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec				
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	13.9	16.6	70	83	60-140	17		
1,1,1-Trichloroethane	ug/L	ND	20	20	17.4	20.6	87	103	60-140	17		
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	13.8	16.6	69	83	60-140	19		
1,1,2-Trichloroethane	ug/L	ND	20	20	16.0	18.4	80	92	60-140	14		
1,1-Dichloroethane	ug/L	ND	20	20	17.6	20.5	88	102	60-140	15		
1,1-Dichloroethene	ug/L	ND	20	20	16.4	19.3	82	97	60-140	17		
1,1-Dichloropropene	ug/L	ND	20	20	18.7	22.6	94	113	60-140	19		
1,2,3-Trichlorobenzene	ug/L	ND	20	20	13.4	15.7	66	78	60-140	16		
1,2,3-Trichloropropane	ug/L	ND	20	20	13.4	15.7	67	78	60-140	16		
1,2,4-Trichlorobenzene	ug/L	ND	20	20	13.6	16.0	67	79	60-140	16		
1,2,4-Trimethylbenzene	ug/L	ND	20	20	14.6	17.1	73	85	60-140	16		
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	20.4	24.0	102	120	60-140	16		
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	13.9	16.8	69	84	60-140	19		
1,2-Dichlorobenzene	ug/L	ND	20	20	14.1	16.3	71	82	60-140	15		
1,2-Dichloroethane	ug/L	ND	20	20	15.6	18.5	78	92	60-140	17		
1,2-Dichloropropane	ug/L	ND	20	20	15.4	18.1	77	91	60-140	16		
1,3,5-Trimethylbenzene	ug/L	ND	20	20	14.7	17.2	74	86	60-140	16		
1,3-Dichlorobenzene	ug/L	ND	20	20	13.9	16.3	70	82	60-140	16		
1,3-Dichloropropane	ug/L	ND	20	20	13.7	16.3	69	82	60-140	17		
1,4-Dichlorobenzene	ug/L	ND	20	20	13.8	16.0	69	80	60-140	15		
2,2-Dichloropropane	ug/L	ND	20	20	14.4	17.3	72	87	60-140	18		
2-Chlorotoluene	ug/L	ND	20	20	13.9	16.4	70	82	60-140	16		
4-Chlorotoluene	ug/L	ND	20	20	14.1	16.4	71	82	60-140	15		
Benzene	ug/L	ND	20	20	16.8	19.5	84	97	60-140	15		
Bromobenzene	ug/L	ND	20	20	13.9	16.1	70	81	60-140	15		
Bromochloromethane	ug/L	ND	20	20	17.8	21.0	89	105	60-140	17		
Bromodichloromethane	ug/L	ND	20	20	13.9	16.8	69	84	60-140	19		
Bromoform	ug/L	ND	20	20	11.2	13.2	56	66	60-140	16	MO	
Bromomethane	ug/L	ND	20	20	15.3	20.2	76	101	60-140	28		
Carbon tetrachloride	ug/L	ND	20	20	16.1	18.9	81	95	60-140	16		
Chlorobenzene	ug/L	ND	20	20	14.4	16.8	72	84	60-140	15		
Chloroethane	ug/L	ND	20	20	17.0	21.4	85	107	60-140	23		
Chloroform	ug/L	ND	20	20	15.9	18.6	80	93	60-140	15		
Chloromethane	ug/L	ND	20	20	18.0	22.5	90	112	60-140	22		
cis-1,2-Dichloroethene	ug/L	ND	20	20	17.9	20.6	90	103	60-140	14		
cis-1,3-Dichloropropene	ug/L	ND	20	20	14.7	17.6	74	88	60-140	18		
Dibromochloromethane	ug/L	ND	20	20	12.3	14.6	62	73	60-140	17		
Dibromomethane	ug/L	ND	20	20	15.4	18.2	77	91	60-140	17		
Dichlorodifluoromethane	ug/L	ND	20	20	24.3	27.8	121	139	60-140	14		
Diisopropyl ether	ug/L	ND	20	20	16.0	19.0	80	95	60-140	17		
Ethylbenzene	ug/L	ND	20	20	15.0	17.5	75	87	60-140	15		
Hexachloro-1,3-butadiene	ug/L	ND	20	20	13.7	16.1	68	80	60-140	16		
Isopropylbenzene (Cumene)	ug/L	ND	20	20	15.3	17.9	77	90	60-140	15		
m&p-Xylene	ug/L	ND	40	40	30.2	35.3	76	88	60-140	15		
Methyl-tert-butyl ether	ug/L	ND	20	20	14.7	16.5	73	83	60-140	12		
Methylene Chloride	ug/L	ND	20	20	12.2	15.8	61	79	60-140	25		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Times Turnaround #39
Pace Project No.: 92227222

Parameter	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1341519				1341520				% Rec Limits	RPD	Qual
	Units	92227181003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec			
n-Butylbenzene	ug/L	ND	20	20	14.3	16.9	71	85	60-140	17	
n-Propylbenzene	ug/L	ND	20	20	14.5	16.8	72	84	60-140	15	
Naphthalene	ug/L	ND	20	20	13.5	16.1	67	80	60-140	17	
o-Xylene	ug/L	ND	20	20	14.3	16.9	72	85	60-140	17	
sec-Butylbenzene	ug/L	ND	20	20	14.6	16.9	73	84	60-140	14	
Styrene	ug/L	ND	20	20	13.6	17.5	68	87	60-140	25	
tert-Butylbenzene	ug/L	ND	20	20	12.5	14.5	62	73	60-140	15	
Tetrachloroethene	ug/L	ND	20	20	14.0	16.5	70	83	60-140	17	
Toluene	ug/L	ND	20	20	16.4	19.2	82	96	60-140	16	
trans-1,2-Dichloroethene	ug/L	ND	20	20	16.2	19.7	81	99	60-140	20	
trans-1,3-Dichloropropene	ug/L	ND	20	20	15.0	18.1	75	90	60-140	18	
Trichloroethene	ug/L	ND	20	20	17.0	19.3	85	97	60-140	13	
Trichlorofluoromethane	ug/L	ND	20	20	19.1	23.1	96	116	60-140	19	
Vinyl chloride	ug/L	ND	20	20	21.3	25.2	107	126	60-140	17	
1,2-Dichloroethane-d4 (S)	%						100	102	70-130		
4-Bromofluorobenzene (S)	%						104	104	70-130		
Toluene-d8 (S)	%						103	103	70-130		

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QUALITY CONTROL DATA

Project: Times Turnaround #39
Pace Project No.: 92227222

QC Batch: MSV/29464 Analysis Method: SM 6200B
QC Batch Method: SM 6200B Analysis Description: 6200B MSV
Associated Lab Samples: 92227222001, 92227222002, 92227222003

METHOD BLANK: 1342279 Matrix: Water
Associated Lab Samples: 92227222001, 92227222002, 92227222003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	12/04/14 11:07	
1,1,1-Trichloroethane	ug/L	ND	0.50	12/04/14 11:07	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	12/04/14 11:07	
1,1,2-Trichloroethane	ug/L	ND	0.50	12/04/14 11:07	
1,1-Dichloroethane	ug/L	ND	0.50	12/04/14 11:07	
1,1-Dichloroethene	ug/L	ND	0.50	12/04/14 11:07	
1,1-Dichloropropene	ug/L	ND	0.50	12/04/14 11:07	
1,2,3-Trichlorobenzene	ug/L	ND	2.0	12/04/14 11:07	
1,2,3-Trichloropropane	ug/L	ND	0.50	12/04/14 11:07	
1,2,4-Trichlorobenzene	ug/L	ND	2.0	12/04/14 11:07	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	12/04/14 11:07	
1,2-Dibromo-3-chloropropane	ug/L	ND	1.0	12/04/14 11:07	
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	12/04/14 11:07	
1,2-Dichlorobenzene	ug/L	ND	0.50	12/04/14 11:07	
1,2-Dichloroethane	ug/L	ND	0.50	12/04/14 11:07	
1,2-Dichloropropane	ug/L	ND	0.50	12/04/14 11:07	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	12/04/14 11:07	
1,3-Dichlorobenzene	ug/L	ND	0.50	12/04/14 11:07	
1,3-Dichloropropane	ug/L	ND	0.50	12/04/14 11:07	
1,4-Dichlorobenzene	ug/L	ND	0.50	12/04/14 11:07	
2,2-Dichloropropane	ug/L	ND	0.50	12/04/14 11:07	
2-Chlorotoluene	ug/L	ND	0.50	12/04/14 11:07	
4-Chlorotoluene	ug/L	ND	0.50	12/04/14 11:07	
Benzene	ug/L	ND	0.50	12/04/14 11:07	
Bromobenzene	ug/L	ND	0.50	12/04/14 11:07	
Bromochloromethane	ug/L	ND	0.50	12/04/14 11:07	
Bromodichloromethane	ug/L	ND	0.50	12/04/14 11:07	
Bromoform	ug/L	ND	0.50	12/04/14 11:07	
Bromomethane	ug/L	ND	5.0	12/04/14 11:07	
Carbon tetrachloride	ug/L	ND	0.50	12/04/14 11:07	
Chlorobenzene	ug/L	ND	0.50	12/04/14 11:07	
Chloroethane	ug/L	ND	1.0	12/04/14 11:07	
Chloroform	ug/L	ND	0.50	12/04/14 11:07	
Chloromethane	ug/L	ND	1.0	12/04/14 11:07	
cis-1,2-Dichloroethene	ug/L	ND	0.50	12/04/14 11:07	
cis-1,3-Dichloropropene	ug/L	ND	0.50	12/04/14 11:07	
Dibromochloromethane	ug/L	ND	0.50	12/04/14 11:07	
Dibromomethane	ug/L	ND	0.50	12/04/14 11:07	
Dichlorodifluoromethane	ug/L	ND	0.50	12/04/14 11:07	
Diisopropyl ether	ug/L	ND	0.50	12/04/14 11:07	
Ethylbenzene	ug/L	ND	0.50	12/04/14 11:07	

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QUALITY CONTROL DATA

Project: Times Turnaround #39
Pace Project No.: 92227222

METHOD BLANK: 1342279 Matrix: Water

Associated Lab Samples: 92227222001, 92227222002, 92227222003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	2.0	12/04/14 11:07	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	12/04/14 11:07	
m&p-Xylene	ug/L	ND	1.0	12/04/14 11:07	
Methyl-tert-butyl ether	ug/L	ND	0.50	12/04/14 11:07	
Methylene Chloride	ug/L	ND	2.0	12/04/14 11:07	
n-Butylbenzene	ug/L	ND	0.50	12/04/14 11:07	
n-Propylbenzene	ug/L	ND	0.50	12/04/14 11:07	
Naphthalene	ug/L	ND	2.0	12/04/14 11:07	
o-Xylene	ug/L	ND	0.50	12/04/14 11:07	
sec-Butylbenzene	ug/L	ND	0.50	12/04/14 11:07	
Styrene	ug/L	ND	0.50	12/04/14 11:07	
tert-Butylbenzene	ug/L	ND	0.50	12/04/14 11:07	
Tetrachloroethene	ug/L	ND	0.50	12/04/14 11:07	
Toluene	ug/L	ND	0.50	12/04/14 11:07	
trans-1,2-Dichloroethene	ug/L	ND	0.50	12/04/14 11:07	
trans-1,3-Dichloropropene	ug/L	ND	0.50	12/04/14 11:07	
Trichloroethene	ug/L	ND	0.50	12/04/14 11:07	
Trichlorofluoromethane	ug/L	ND	1.0	12/04/14 11:07	
Vinyl chloride	ug/L	ND	1.0	12/04/14 11:07	
1,2-Dichloroethane-d4 (S)	%	104	70-130	12/04/14 11:07	
4-Bromofluorobenzene (S)	%	102	70-130	12/04/14 11:07	
Toluene-d8 (S)	%	103	70-130	12/04/14 11:07	

LABORATORY CONTROL SAMPLE: 1342280

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.4	97	60-140	
1,1,1-Trichloroethane	ug/L	50	56.9	114	60-140	
1,1,2,2-Tetrachloroethane	ug/L	50	47.1	94	60-140	
1,1,2-Trichloroethane	ug/L	50	53.2	106	60-140	
1,1-Dichloroethane	ug/L	50	55.4	111	60-140	
1,1-Dichloroethene	ug/L	50	48.5	97	60-140	
1,1-Dichloropropene	ug/L	50	61.4	123	60-140	
1,2,3-Trichlorobenzene	ug/L	50	48.6	97	60-140	
1,2,3-Trichloropropane	ug/L	50	44.5	89	60-140	
1,2,4-Trichlorobenzene	ug/L	50	49.2	98	60-140	
1,2,4-Trimethylbenzene	ug/L	50	48.2	96	60-140	
1,2-Dibromo-3-chloropropane	ug/L	50	80.1	160	60-140	CU,L3
1,2-Dibromoethane (EDB)	ug/L	50	48.4	97	60-140	
1,2-Dichlorobenzene	ug/L	50	46.4	93	60-140	
1,2-Dichloroethane	ug/L	50	51.1	102	60-140	
1,2-Dichloropropane	ug/L	50	49.8	100	60-140	
1,3,5-Trimethylbenzene	ug/L	50	48.3	97	60-140	
1,3-Dichlorobenzene	ug/L	50	46.0	92	60-140	

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QUALITY CONTROL DATA

Project: Times Turnaround #39

Pace Project No.: 92227222

LABORATORY CONTROL SAMPLE: 1342280

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	46.1	92	60-140	
1,4-Dichlorobenzene	ug/L	50	44.5	89	60-140	
2,2-Dichloropropane	ug/L	50	59.1	118	60-140	
2-Chlorotoluene	ug/L	50	46.1	92	60-140	
4-Chlorotoluene	ug/L	50	46.5	93	60-140	
Benzene	ug/L	50	53.8	108	60-140	
Bromobenzene	ug/L	50	47.1	94	60-140	
Bromochloromethane	ug/L	50	55.8	112	60-140	
Bromodichloromethane	ug/L	50	48.9	98	60-140	
Bromoform	ug/L	50	42.6	85	60-140	
Bromomethane	ug/L	50	37.9	76	60-140	
Carbon tetrachloride	ug/L	50	52.4	105	60-140	
Chlorobenzene	ug/L	50	46.0	92	60-140	
Chloroethane	ug/L	50	42.1	84	60-140	
Chloroform	ug/L	50	51.2	102	60-140	
Chloromethane	ug/L	50	52.7	105	60-140	
cis-1,2-Dichloroethene	ug/L	50	56.1	112	60-140	
cis-1,3-Dichloropropene	ug/L	50	55.7	111	60-140	
Dibromochloromethane	ug/L	50	46.0	92	60-140	
Dibromomethane	ug/L	50	51.7	103	60-140	
Dichlorodifluoromethane	ug/L	50	65.2	130	60-140	
Diisopropyl ether	ug/L	50	51.5	103	60-140	
Ethylbenzene	ug/L	50	48.4	97	60-140	
Hexachloro-1,3-butadiene	ug/L	50	50.6	101	60-140	
Isopropylbenzene (Cumene)	ug/L	50	49.7	99	60-140	
m&p-Xylene	ug/L	100	96.7	97	60-140	
Methyl-tert-butyl ether	ug/L	50	48.4	97	60-140	
Methylene Chloride	ug/L	50	46.2	92	60-140	
n-Butylbenzene	ug/L	50	49.7	99	60-140	
n-Propylbenzene	ug/L	50	46.9	94	60-140	
Naphthalene	ug/L	50	49.3	99	60-140	
o-Xylene	ug/L	50	47.2	94	60-140	
sec-Butylbenzene	ug/L	50	47.8	96	60-140	
Styrene	ug/L	50	52.0	104	60-140	
tert-Butylbenzene	ug/L	50	41.0	82	60-140	
Tetrachloroethene	ug/L	50	45.6	91	60-140	
Toluene	ug/L	50	52.8	106	60-140	
trans-1,2-Dichloroethene	ug/L	50	50.1	100	60-140	
trans-1,3-Dichloropropene	ug/L	50	57.2	114	60-140	
Trichloroethene	ug/L	50	52.3	105	60-140	
Trichlorofluoromethane	ug/L	50	52.8	106	60-140	
Vinyl chloride	ug/L	50	63.8	128	60-140	
1,2-Dichloroethane-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			105	70-130	
Toluene-d8 (S)	%			103	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Times Turnaround #39

Pace Project No.: 92227222

Parameter	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1344090				1344091				% Rec Limits	RPD	Qual
	Units	92227449012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec			
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	19.4	19.8	97	99	60-140	2	
1,1,1-Trichloroethane	ug/L	ND	20	20	25.4	25.8	127	129	60-140	2	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	18.9	19.6	94	98	60-140	4	
1,1,2-Trichloroethane	ug/L	ND	20	20	22.7	23.5	113	118	60-140	4	
1,1-Dichloroethane	ug/L	ND	20	20	25.0	25.6	125	128	60-140	2	
1,1-Dichloroethene	ug/L	ND	20	20	22.4	23.0	112	115	60-140	3	
1,1-Dichloropropene	ug/L	ND	20	20	27.3	28.0	137	140	60-140	3	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	17.7	18.6	89	93	60-140	4	
1,2,3-Trichloropropane	ug/L	ND	20	20	18.1	18.8	91	94	60-140	4	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	17.7	18.3	89	92	60-140	3	
1,2,4-Trimethylbenzene	ug/L	ND	20	20	19.1	19.6	96	98	60-140	3	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	28.7	29.1	143	145	60-140	1	M0
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	19.1	19.9	95	99	60-140	4	
1,2-Dichlorobenzene	ug/L	ND	20	20	18.3	18.9	91	95	60-140	4	
1,2-Dichloroethane	ug/L	ND	20	20	22.7	23.0	113	115	60-140	1	
1,2-Dichloropropane	ug/L	ND	20	20	21.7	22.1	108	111	60-140	2	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	19.2	19.7	96	98	60-140	3	
1,3-Dichlorobenzene	ug/L	ND	20	20	18.1	18.8	90	94	60-140	4	
1,3-Dichloropropane	ug/L	ND	20	20	18.7	19.4	94	97	60-140	3	
1,4-Dichlorobenzene	ug/L	ND	20	20	17.8	18.4	89	92	60-140	3	
2,2-Dichloropropane	ug/L	ND	20	20	19.8	20.4	99	102	60-140	3	
2-Chlorotoluene	ug/L	ND	20	20	18.2	18.8	91	94	60-140	3	
4-Chlorotoluene	ug/L	ND	20	20	18.4	18.9	92	94	60-140	3	
Benzene	ug/L	ND	20	20	23.4	23.9	117	119	60-140	2	
Bromobenzene	ug/L	ND	20	20	18.1	18.2	90	91	60-140	1	
Bromochloromethane	ug/L	ND	20	20	25.1	26.1	126	130	60-140	4	
Bromodichloromethane	ug/L	ND	20	20	19.9	20.7	100	103	60-140	4	
Bromoform	ug/L	ND	20	20	15.0	15.7	75	79	60-140	5	
Bromomethane	ug/L	ND	20	20	15.5	17.4	78	87	60-140	11	
Carbon tetrachloride	ug/L	ND	20	20	22.7	23.2	113	116	60-140	2	
Chlorobenzene	ug/L	ND	20	20	19.0	19.6	95	98	60-140	3	
Chloroethane	ug/L	ND	20	20	21.9	23.0	110	115	60-140	5	
Chloroform	ug/L	ND	20	20	22.6	23.1	113	116	60-140	2	
Chloromethane	ug/L	ND	20	20	23.9	24.5	119	123	60-140	3	
cis-1,2-Dichloroethene	ug/L	ND	20	20	25.0	25.4	125	127	60-140	2	
cis-1,3-Dichloropropene	ug/L	ND	20	20	21.0	21.7	105	108	60-140	3	
Dibromochloromethane	ug/L	ND	20	20	16.7	17.5	83	87	60-140	5	
Dibromomethane	ug/L	ND	20	20	21.9	22.6	110	113	60-140	3	
Dichlorodifluoromethane	ug/L	ND	20	20	28.6	29.1	143	146	60-140	2	M0
Diisopropyl ether	ug/L	ND	20	20	22.6	22.9	113	114	60-140	1	
Ethylbenzene	ug/L	ND	20	20	19.8	20.6	99	103	60-140	4	
Hexachloro-1,3-butadiene	ug/L	ND	20	20	15.1	15.4	75	77	60-140	3	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	20.3	20.8	101	104	60-140	3	
m&p-Xylene	ug/L	ND	40	40	40.0	41.5	100	104	60-140	4	
Methyl-tert-butyl ether	ug/L	ND	20	20	19.5	20.6	98	103	60-140	6	
Methylene Chloride	ug/L	ND	20	20	18.7	19.0	93	95	60-140	2	

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QUALITY CONTROL DATA

Project: Times Turnaround #39
Pace Project No.: 92227222

Parameter	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1344090				1344091				% Rec Limits	RPD	Qual
	Units	92227449012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec			
n-Butylbenzene	ug/L	ND	20	20	18.0	18.4	90	92	60-140	3	
n-Propylbenzene	ug/L	ND	20	20	18.7	19.1	94	96	60-140	2	
Naphthalene	ug/L	ND	20	20	18.5	19.1	93	95	60-140	3	
o-Xylene	ug/L	ND	20	20	19.3	19.8	97	99	60-140	2	
sec-Butylbenzene	ug/L	ND	20	20	18.6	19.1	93	95	60-140	2	
Styrene	ug/L	ND	20	20	19.7	20.1	98	100	60-140	2	
tert-Butylbenzene	ug/L	ND	20	20	16.0	16.6	80	83	60-140	4	
Tetrachloroethene	ug/L	ND	20	20	18.3	19.2	92	96	60-140	5	
Toluene	ug/L	ND	20	20	23.1	23.8	115	119	60-140	3	
trans-1,2-Dichloroethene	ug/L	ND	20	20	22.9	23.2	115	116	60-140	1	
trans-1,3-Dichloropropene	ug/L	ND	20	20	21.6	22.4	108	112	60-140	3	
Trichloroethene	ug/L	ND	20	20	22.8	23.4	114	117	60-140	3	
Trichlorofluoromethane	ug/L	ND	20	20	25.9	26.8	129	134	60-140	4	
Vinyl chloride	ug/L	ND	20	20	28.1	29.5	140	147	60-140	5	MO
1,2-Dichloroethane-d4 (S)	%						102	101	70-130		
4-Bromofluorobenzene (S)	%						106	107	70-130		
Toluene-d8 (S)	%						105	106	70-130		

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QUALIFIERS

Project: Times Turnaround #39
Pace Project No.: 92227222

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

- CU The continuing calibration for this compound is outside of Pace Analytical acceptance limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
- L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
- M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Times Turnaround #39
Pace Project No.: 92227222

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92227222001	MW-1	SM 6200B	MSV/29464		
92227222002	MW-2	SM 6200B	MSV/29464		
92227222003	MW-3	SM 6200B	MSV/29464		
92227222004	MW-4	SM 6200B	MSV/29455		
92227222005	MW-5	SM 6200B	MSV/29436		
92227222006	MW-6	SM 6200B	MSV/29436		
92227222007	MW-7	SM 6200B	MSV/29436		
92227222008	RW-1	SM 6200B	MSV/29436		
92227222009	RW-2	SM 6200B	MSV/29436		
92227222010	RW-3	SM 6200B	MSV/29436		
92227222011	RW-4	SM 6200B	MSV/29436		
92227222012	DMW-1	SM 6200B	MSV/29436		
92227222013	Trip Blank	SM 6200B	MSV/29436		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page : 1 Of 2

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:			
Company: Shield Engineering		Report To: Flora D'Souza		Attention: Flora D'Souza			
Address: 4301 Taggart Creek Road Charlotte, NC 28208		Copy To:		Company Name: Shield Engineering		Regulatory Agency	
Email To: fdsouza@shieldengineering.com		Purchase Order No. 1040063-28		Address: 4301 Taggart Creek Road, Charlotte, NC		UST - Underground Storage Tank	
Phone: (704) 394-6913 Fax		Client Project ID: Times Turnaround #39		Pace Quote Reference:		State / Location	
Requested Due Date/TAT: 10 Day (Default)		Container Order Number: 90251		Pace Project Manager: Benjamin, Nicole		North Carolina	
				Pace Profile #:			

ITEM#	SAMPLE ID <small>One Character per box. (A-Z, 0-9 /, -) Sample Ids must be unique</small>	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)									
				START DATE	START TIME	END DATE	END TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test				6200 VOC								
1	MW-1	WT	G			2014	11-25	10:57	4					4						X									92227222	
2	MW-2	WT						10:44												X										001
3	MW-3	WT						10:40												X										002
4	MW-4	WT						10:58												X										003
5	MW-5	WT						11:06												X										004
6	MW-6	WT						11:03												X										005
7	MW-7	WT						10:50												X										006
8	RW-1	WT						10:48												X										007
9	RW-2	WT						10:35												X										008
10	RW-3	WT						11:16												X										009
11	RW-4	WT						11:09												X										010
12	DMW-1	WT	↓					10:47	↓					↓						X										011

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Rebecca Deal / Shield	11-25-14	12:06	<i>[Signature]</i>	11-25-14	15:31	23 SW

SAMPLER NAME AND SIGNATURE				TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Rebecca Deal							
SIGNATURE of SAMPLER: <i>[Signature]</i>							
DATE Signed: 11-25-14							

WO#: 92227222

92227222

APPENDIX B



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

**MOBILE
MULTI-PHASE
EXTRACTION REPORT**

Site Location:

Times Turnaround #39
6751 Wilkinson Blvd.
Belmont, North Carolina

Prepared for:

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

November 5, 2014

TABLE OF CONTENTS

EVENT SUMMARY

MMPE FIELD LOG

MASS-REMOVAL CALCULATION

FIELD NOTES

DISPOSAL MANIFESTS

MOBILE MULTI-PHASE EXTRACTION EVENT SUMMARY

November 5, 2014

Location: Times Turnaround #39
6751 Wilkinson Blvd.
Belmont, North Carolina

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

Event Dates: October 27 - 31, 2014
Advanced Job # 10 - 14109

AES Personnel: Gary McDaniel and Scott Crook

MMPE System: MMPE system rated 21"hg at 130 CFM
4' discharge stack - 2" diameter
5,500 - gallon tanker
60' of 1.5" hose to 2 wells

Extraction Well: RW-1 and RW-2

Well	Initial FP / WL(ft)	Final FP / WL(ft)	Stinger depth(ft) /Changed to	Run Time
RW-1	14.61	18.82	15'/16'	96.0 hours
RW-2	14.58	15.92	15'/16'	96.0 hours

Description of Event:

The MMPE event ran from 11:15 October 27, through 11:15 October 31, 2014. The MMPE system was active for **96.0 hours**. During the event vacuum at the recovery pump ranged from 6.0 to 9.0 inches of mercury (hg) and stabilized at approximately **7.0 inches of mercury**. Airflow rates ranged from 3,600 to 4,200 feet per minute and stabilized at approximately **4,000 feet per minute**. System temperature ranged from 98.0 – 110.0 degrees F and humidity maintained 99 percent. Field gauged volatile organic compounds (VOC's) decreased from **22,000 to 1,400 parts per-million (PPM)** throughout the event.

Groundwater / Product Mix Recovered:

During the event a total of **2,670 gallons of product/water mix** were removed from the site and properly disposed at a certified North Carolina disposal facility. **No measurable free product** was recovered as liquid. 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 **2,670 gallons** recovered, the average groundwater recovery rate was calculated to be approximately **27.81 gallons per hour**.

Events Results:

Based on mass-removal calculations **82.81 pounds or 13.46 gallons of VOC's** were removed as vapor. **No measurable free product** was recovered as liquid. Using Dwyer Magnehelic gauges, **vacuum influence was measured at monitoring point MW-5 during the event. No vacuum influence was identified. Draw-down was identified in MW-5 at 0.22 feet.** Following the event **no free product was identified in any well.**

MMPE FIELD LOG:

CLIENT: SHIELD ENGINEERING
 JOB NAME: TIMES TURNAROUND #39
 LOCATION: BELMONT, NC
 MMPE EVENT DATES: OCTOBER 27 - 31, 2014
 EXTRACTION POINTS: RW-1 and RW-2
 AES JOB NUMBER: 10 - 14109

DATE	TIME	FLOW (l/m)	HUM.(%)	TEMP. (F)	VOC's(ppm)	VAC. (hg")	GALLONS	STINGER/WL's	EXTRACTION POINTS (hg")	
									RW-1	RW-2
Start	11:15							Stinger(ft)	15'16'	15'16'
								Initial WL's	14.61	14.58
10/27/14	12:00	3,700	99	98	22,000	7.0			6.0	5.0
	18:00	3,900	99	108	4,000	7.0	180 gal.		5.0	4.0
10/28/14	8:00	4,000	99	106	3,300	7.0			5.0	4.0
	14:00	3,600	99	110	3,000	8.0	750 gal.		7.0	3.0
10/29/14	8:00	4,100	99	108	2,500	7.0			5.0	4.0
	14:00	3,700	99	110	2,400	9.0	1,440 gal.		7.0	3.0
10/30/14	8:00	4,000	99	106	2,200	7.0			5.0	4.0
	14:00	3,600	99	110	1,800	9.0	2,040 gal.		7.0	3.0
10/31/14	7:30	4,000	99	106	1,600	7.0	2,520 gal.		5.0	4.0
	10:30	4,200	99	108	1,400	6.0			4.0	4.0
End	11:15						2,670 gal.	Final WL's	18.82	15.92
							Total fluids:			
							Total free product:			
							2,670 gal.			
							0 gal.			

DATE	TIME	STINGER/WL's	EXTRACTION POINTS (hg") cont.	VACUUM INFLUENCE (h2o")	WELL GAUGING (ft)
Start	11:45	Stinger(ft)		MW-5	MW-5
		Initial WL's			
10/27/14	13:00			0.00	14.90
10/28/14	14:00			0.00	14.96
10/29/14	14:00			0.00	15.03
10/30/14	14:00			0.00	15.08
10/31/14	8:00			0.00	15.12
End	11:15				

MOBILE MULTI-PHASE EXTRACTION EVENT

SITE NAME: TIMES TURNAROUND #39 CLIENT: SHIELD ENGINEERING
 INCIDENT NUMBER: 10 - 14109
 AVERAGE DEPTH TO GROUNDWATER: 14 - 15 feet
 DESCRIBE SOIL IN THE SATURATED ZONE:
 AVERAGE HYDRAULIC CONDUCTIVITY (if known):
 EXTRACTION WELLS USED FOR MMPE: RW-1 and RW-2
 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)
10/27/14	24.00	6.50	3800.00	2	103	99.0	0.046	0.069	72
10/28/14	48.00	7.00	3800.00	2	108	99.0	0.054	0.080	71
10/29/14	72.00	7.00	3900.00	2	109	99.0	0.056	0.082	72
10/30/14	96.00	6.25	3950.00	2	108	99.0	0.054	0.080	74
10/31/14									

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_{wet} = water vapor % by weight, i.e., pounds of water per pound of dry air, derived from the Psychrometric chart (temp Vs relative humidity)
 B_{vol} = water vapor % by volume

EQUATIONS

$B_{wet} = (B_{vol} / 18 \text{ lb-mole } H_2O) / [(1/28.84 \text{ lb-mole dry air}) + (B_{vol} / 18 \text{ lb-mole } H_2O)]$
 $Q_{std} = (1 - \text{Water Vapor}) \cdot \text{velocity} \cdot (PI \cdot (\text{diameter}/24)^2) \cdot (528 \cdot R / (\text{Temp} + 460))$

EMISSION CALCULATIONS

Elapsed Time (hour)	Flow (DSCFM)	PPM _{measured} (ppm)	PPM _{wet}	PPM _{dry}	K (#C - gas)	PPM _{conc}	C _{g,m} (mg/dsm ³)	C _g (lb/dscf)	PMR _c (lb/hour)	PMR _v (lb/hour)	PMR (lb)
24	72	13000	13000	13958	1	13958	6965	0.000434798	1.89	2.19	52.47
48	71	3150	3150	3423	1	3423	1708	0.000106613	0.45	0.53	12.60
72	72	2550	2550	2779	1	2779	1387	8.656E-05	0.38	0.44	10.45
96	74	1750	1750	1901	1	1901	949	5.92292E-05	0.26	0.30	7.28

Total emissions in pounds 82.81
Total emissions as gallons (pounds / 6.152) 13.46

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_c = PPM_c, Volumetric concentration of VOC emissions as carbon, dry basis at STP
 C_{g,m} = mg/dsm³, mass concentration of VOC emissions as carbon
 M_c = 12.01 mg/mg-mole, molecular weight of carbon
 K_v = 24.07 dsm³/10³ mg-mole, mass to volume conversion factor at STP
 C_g = lb/dscf, mass concentration of VOC emissions as carbon, dry basis at STP
 PMR_c = lb/hr, pollutant mass removal rate of VOC's as carbon
 PMR_v = lb/hr, pollutant mass removal rate of of VOC's
 PMR = lb, pollutant mass removal of VOC's

EQUATIONS

$PPM_{wet} = PPM_{measured}$
 $PPM_{dry} = (PPM_{wet}) / (1 - B_{vol})$
 $PPM_c = (PPM_{dry}) \cdot (K)$
 $C_{g,m} = (PPM_c) \cdot (M_c / K_v)$
 $C_g = (C_{g,m}) \cdot (62.43 \times 10^{-6} \text{ lb-m}^3/\text{mg-ft}^3)$
 $PMR_c = (C_g) \cdot (Q_{std}) \cdot (60 \text{ minute/hour})$
 $PMR_v = (PMR_c) \cdot (M_c / M_{air})$
 $PMR = (PMR_v) \cdot (\#hours)$

MMPE Field Log

Client: SHIELD ENG.
Site Name: TIMES TURNAROUNDS # 39
Extraction Wells: RW-1, RW-2
10-27-14

Job Number: 10-14109
Event Dates: 10/27/14 - 10/31/14
BELMONT, NC

10:15 SCOTT + GARY WITH AES ON SITE - JOANNA + JEFF WITH SHIELD ON SITE - SPOT TANKER - SPOT EQUIPMENT - GAUGE RW-1 + RW-2 - SET STINKERS AT 15' WITH AIR BLENDS - SECURE SITE WITH CONES, BARRICADES, + CAUTION TAPE -

11:15 START MMPE EVENT - ✓ ALL LINES + CONN OK - PLACE AIR SPARGE SYSTEM IN BACK OF TRAILER FOR SHIELD - GAUGE MWS + ✓ FOR VAC INFLU -

12:00 TAKE SYSTEM READINGS - PRIME DISCHARGE PUMP -

14:00 ✓ ALL LINES + CONN OK - OFF SITE

18:00 ON SITE - STICK TANKER - TAKE SYS READINGS - FUEL GENERATOR - SECURE SITE - OFF SITE

10-28-14

8:00 ON SITE - ✓ ALL LINES + CONN OK - STICK TANKER - FUEL GENERATOR - TAKE SYS READINGS - OFF SITE

14:00 ON SITE - STICK TANKER - TAKE SYS READINGS - GAUGE MWS + ✓ FOR VAC INFLU - OFF SITE

21:00 ON SITE - ✓ ALL LINES + CONN OK - OFF SITE

10-29-14

8:00 ON SITE - ✓ ALL LINES + CONN OK - STICK TANKER - FUEL GENERATOR - TAKE SYS READINGS - OFF SITE

14:00 ON SITE - ✓ ALL LINES + CONN OK - STICK TANKER - GAUGE MWS + ✓ FOR VAC INFLU - TAKE SYS READINGS

20:30 ON SITE - ✓ ALL LINES + CONN OK - OFF SITE

10-30-14

8:00 ON SITE - ✓ ALL LINES + CONN OK - STICK TANKER - FUEL GENERATOR - TAKE SYS READINGS - OFF SITE

14:00 ON SITE - ✓ ALL LINES + CONN OK - STICK TANKER - GAUGE MWS + ✓ FOR VAC INFLU - TAKE SYS READINGS - ✓ FLUIDS IN GENERATOR - OFF SITE

10-31-14

7:30 ON SITE - ✓ ALL LINES + CONN OK - STICK TANKER - TAKE SYS READINGS - GAUGE MWS + ✓ FOR VAC INFLU

9:30 ON SITE - ✓ ALL LINES + CONN OK - PREP FOR MMPE SHUTDOWN - JOANNA WITH SHIELD ON SITE -

10:30 TAKE SYS READINGS - GARY WITH AES ON SITE - ZEBRA ON SITE

11:15 SHUTDOWN. MMPE EVENT - GAUGE, CLOSE, + SECURE RW-1 + RW-2 - REMOVE ALL HOSE, CONES, BARRICADES, + CAUTION TAPE FROM SITE - PUMP OFF 2670 GALS - 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 1 of 1
Zebra Job No. 42082

GENERATOR INFORMATION

Name Times Torn Around Advanced Environmental	US EPA ID No.
Street Address 6951 E. Wilkinson Blvd Baldmont N.C. 28012	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.	Containers Type	Total Quantity	Unit Wt./Vol.
a.	NON-HAZ. NON-REG. LIQUIDS (NOS)	N/A	N/A	N/A	1	TI	2670	Q
b.								
c.								

ADDITIONAL INFORMATION

	ERG No.	Zebra Profile Code	Facility Use
a.			Ground water from m pipe Ev-IT
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 [Signature]	Mo. / Day / Yr. 10 / 31 / 2014
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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 Michael Parks	10-31-2014 Shipment Date
Transporter or EPA ID No. NCO991302669	Unit No. V-8	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 Michael Parks	10-31-2014 Delivery Date

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 [Signature]	10/31/14 Receipt Date
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