

**MONITORING REPORT
TIMES TURNAROUND #39
6751 WILKINSON BOULEVARD
GASTON COUNTY, NORTH CAROLINA
FACILITY I.D. #0-0212991
SITE RANKING: H245D
SHIELD NUMBER: 1040063
June through December 2016**

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:
James Gamertsfelder
(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

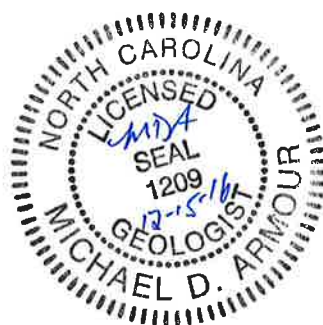
Site Latitude: 35° 15' 6.5"


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.


James Gamertsfelder
Project Manager




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

December 15, 2016

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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 NCDEQ to be Monitored and Sampled per NORR
Monitoring Wells	8 (MW-1 through MW-7 and DMW-1)	3 ⁽¹⁾ (MW-4, MW-6, and MW-7)
Recovery Wells	4 (RW-1 through RW-4)	4 ⁽¹⁾ (RW-1 through RW-4)

NOTES:

(1) Individual wells identified by NCDEQ for specific sampling as approved on Pre-Approval Task Authorization 27732-32.

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

1.2.1 Date(s) of Sampling Event: November 4, 2016

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?: Free product was not detected in the gauged monitoring and recovery wells based on measurements using an electronic interface probe and bailer checks.

- Historical Free Product Thickness Data is included in the following Table(s):
Refer to Table(s): Tables 3 and 4
- Free Product Plume Size and Location: Not Applicable
- Proximity of Plume to Nearest Receptor: Not Applicable
- Free Product Recovered during this Period: Not Applicable
- Free Product Recovery Method: Not Applicable

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	3 (MW-4, MW-6, and MW-7)	• EPA Methods 6200B
Recovery Wells	4 (RW-1 through RW-4)	• EPA Methods 6200B

- 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 A

- 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 vs. Time

- Dissolved Phase Plume Size and Location:

The dissolved phase benzene plume has an approximate length of 75 feet and width of 25 feet. The constituents of concern plumes are located as shown on the following Figures.

Refer to Figure(s): Figure 5 through Figure 10

- Proximity of Plume to Nearest Receptor(s):

An unnamed tributary to the 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 CONCLUSIONS AND RECOMMENDATIONS

2.1 Conclusions:

- Free product was not detected during the November 4, 2016 sampling event.
- 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-4, MW-6, MW-7, RW-2, and RW-4 and increased in RW-1 and RW-3 since the previous sampling event.
- No active remediation or corrective action activities have been performed at the site since the previous sampling event.
- Free product was not removed during this reporting period. A total of 1,296.41 gallons (sum of Tables 3 and 4) since product removals began in April 2004.

2.2 Recommendations:

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

- Free product was not detected in the sampled monitoring and recovery wells during the November 2016 sample event and no free product recovery or other remedial activities have been performed at the site since the previous sampling event.
- The dissolved phase concentrations noted in RW-2 during the current and previous sampling events since 2011 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 2B Standards.
- The tributary southwest of the site flows within a concrete culvert where it is closest to the site and outfalls to the open stream approximately 600 feet south-southeast of the source area.

3.0 LIMITATIONS

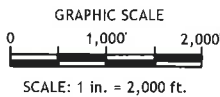
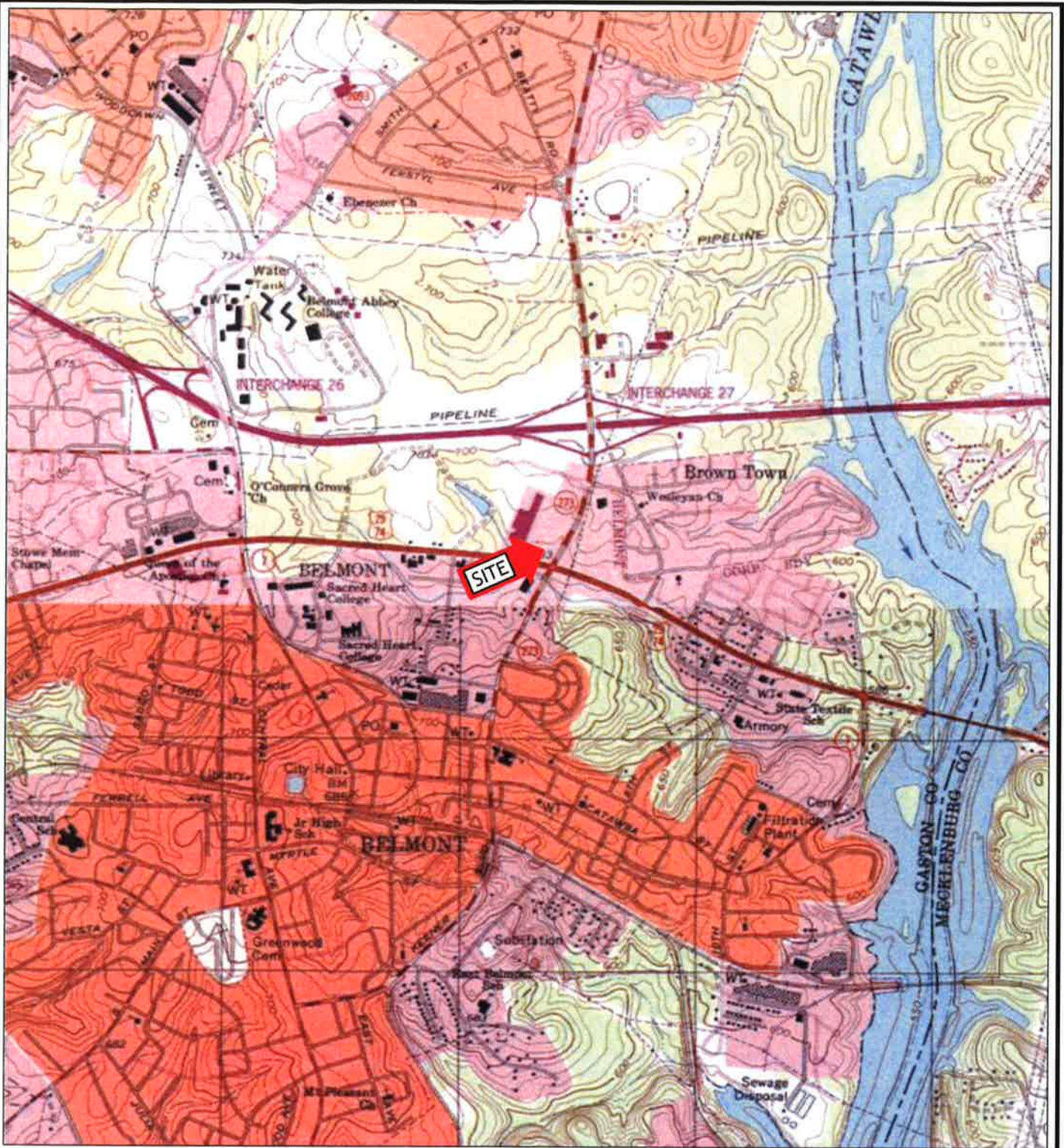
Shield has performed environmental services at the subject site on behalf of Times Oil Corporation. Shield has performed this scope of work as an independent contractor/consultant using reasonable care and skill in accordance and consistent with customary industry standards of engineering, geology, and 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
704-394-6906 fax
www.shieldengineering.com

SITE LOCATION MAP

TIMES TURNAROUND #39

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

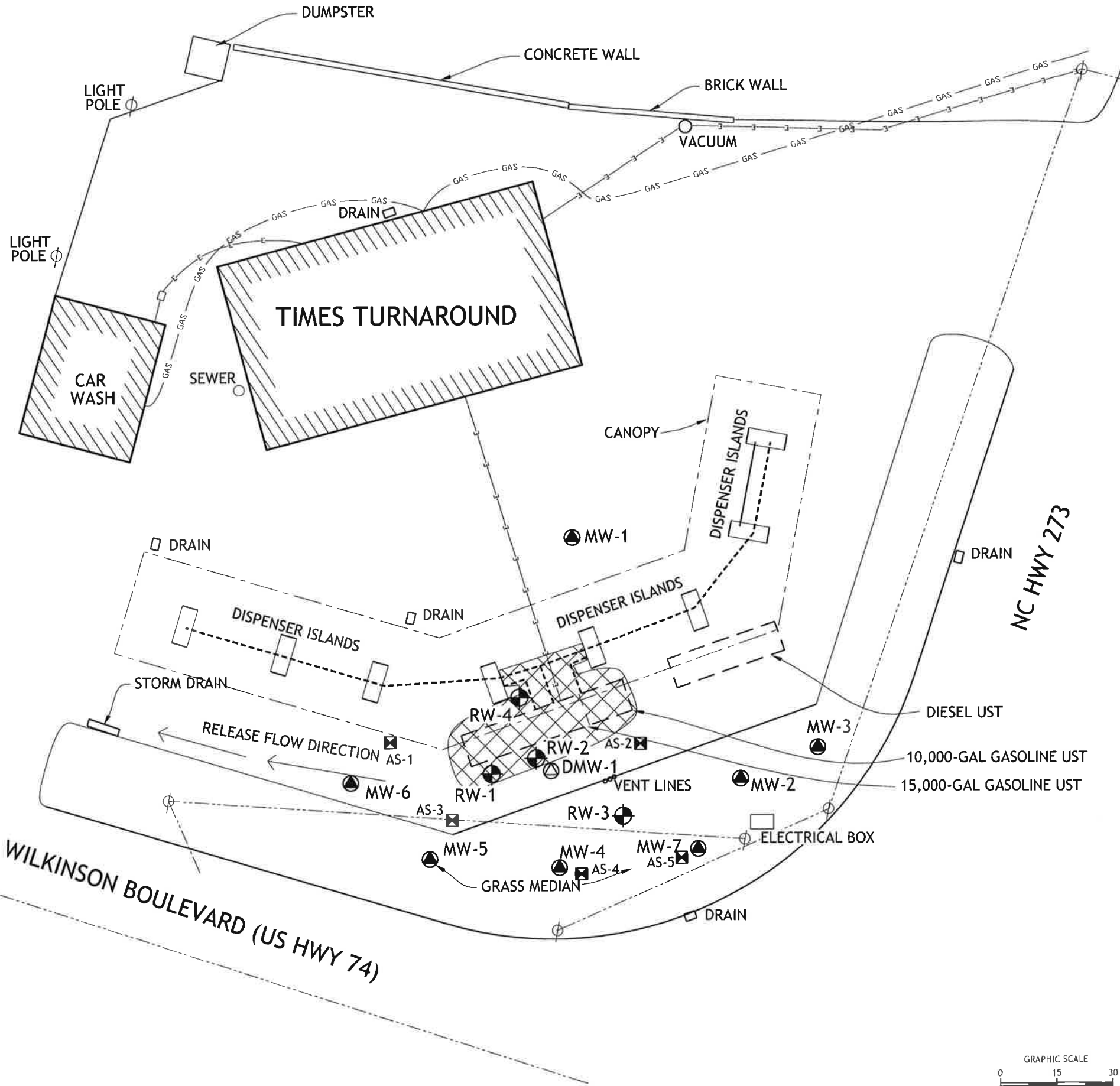
DATE : 05/27/08

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SCALE : AS SHOWN

FIGURE : 1

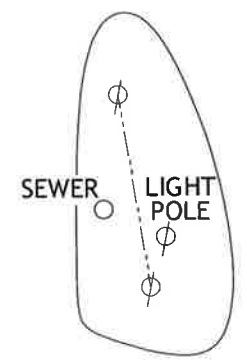
SOURCE: NATIONAL GEOGRAPHIC USGSTOPO, 7.5 MINUTE MAP SERIES, GASTON COUNTY, NORTH CAROLINA.



LEGEND:

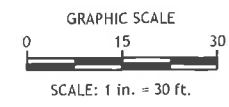
- OVERHEAD UTILITIES AND POLE
- UNDERGROUND POWER LINE
- GAS LINE
- PRODUCT PIPING
- RECOVER WELL
- MONITORING WELL
- DEEP WELL
- AIR SPARGE WELL
- UNDERGROUND STORAGE TANK
- APPROXIMATE EXTENT OF GRAVEL BACKFILL

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



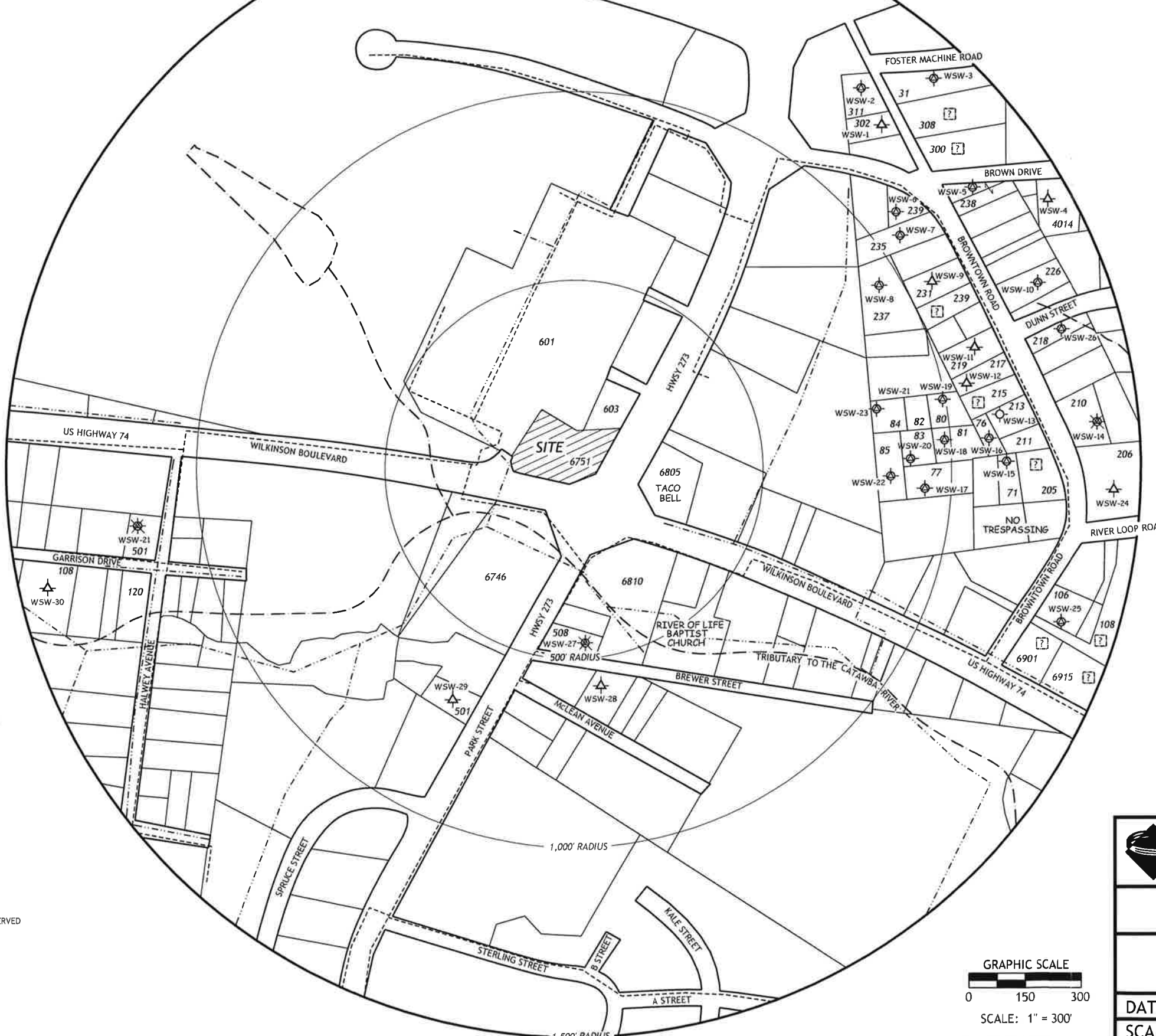
H:\PROJECTS\2004\1040063 TIMES TURNAROUND #39\FIGURES\1040063 11-16.DWG

<div style="display: inline-block; vertical-align: middle; margin-left: 10px;"> <p>SHIELD ENGINEERING, INC.</p> <p><small>4301 TAGGART CREEK ROAD CHARLOTTE, NC 28208 704-394-5913 704-394-5968 fax www.shieldengineering.com</small></p> </div>	
SITE MAP	
TIMES TURNAROUND #39 6751 WILKINSON BOULEVARD BELMONT, GASTON COUNTY, NORTH CAROLINA <small>SHIELD # 1040063</small>	
DATE : 12/05/16	DRAWN BY : RBS
SCALE : AS SHOWN	FIGURE : 2














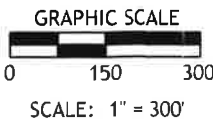
1,500' RADIUS
INTERSTATE HIGHWAY 85



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 BLEMONT SEWER LINES
-  CITY OF BELMONT WATER LINES

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





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ENGINEERING, INC.

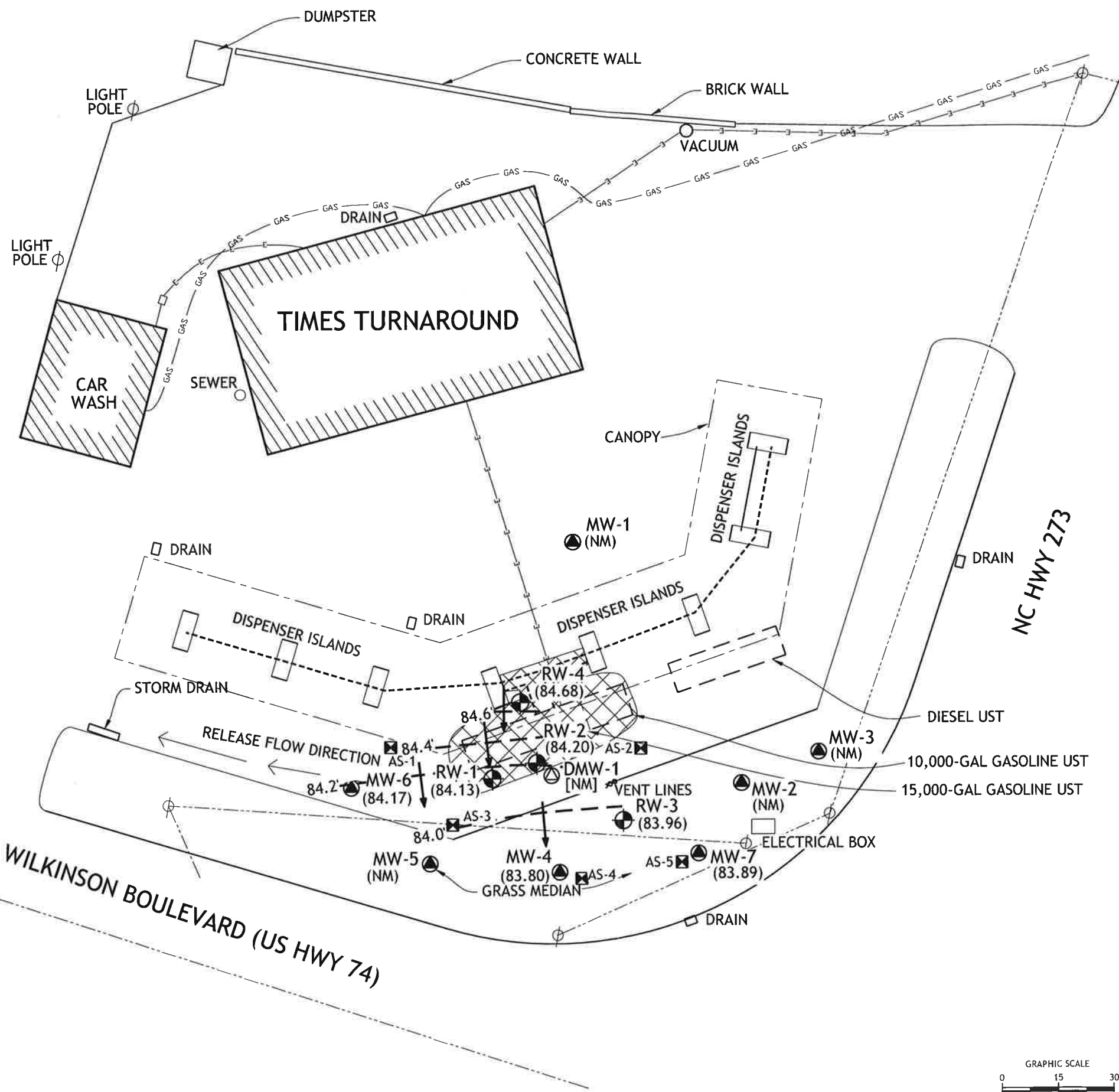
4301 TAGGART CREEK ROAD
CHARLOTTE, NC 28208
704-394-5913
704-394-5958 fax
www.shieldengineering.com

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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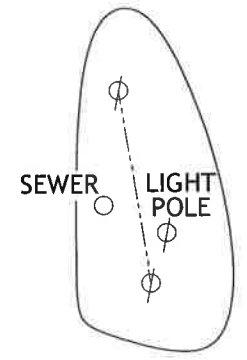
LEGEND:

- 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

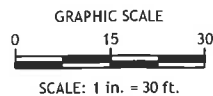
(ft) FEET
 (83.80) GROUNDWATER ELEVATION (ft)
 [NM] GROUNDWATER ELEVATION (ft) NOT USED IN CONTOURING

INFERRED GROUNDWATER ELEVATION CONTOUR LINE (ft)
 GENERALIZED GROUNDWATER FLOW DIRECTION

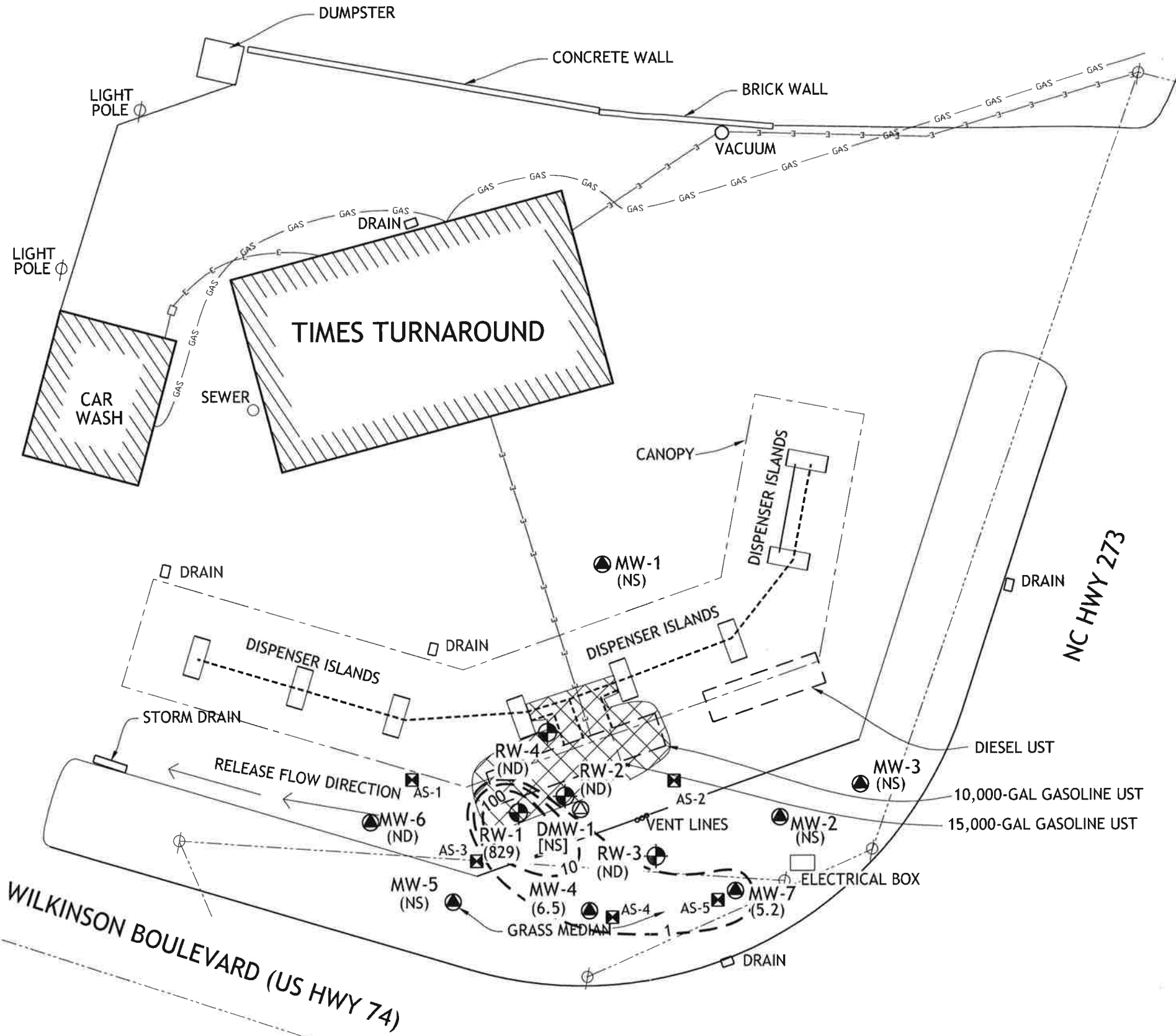
- NOTES:**
- 1- SITE MAP BASED ON SHIELD PERSONNEL FIELD MEASUREMENTS.
 - 2- ALL LOCATIONS ARE APPROXIMATE.
 - 3- ELEVATIONS BASED ON AN ASSUMED 100.00 ft ELEVATION AT MW-1 TOC.
 - 4- DEPTHS TO GROUNDWATER MEASURED ON 11/04/16.
 - 5- CONTOUR INTERVAL = 0.2 FOOT



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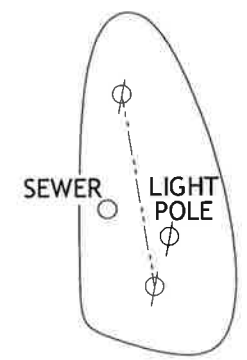


		4301 TAGGART CREEK ROAD CHARLOTTE, NC 28208 704-394-9913 704-394-0998 fax www.shieldengineering.com	
		GROUNDWATER ELEVATION CONTOUR MAP	
TIMES TURNAROUND #39 6751 WILKINSON BOULEVARD BELMONT, GASTON COUNTY, NORTH CAROLINA SHIELD # 1040063			
DATE :	12/08/16	DRAWN BY :	RBS
SCALE :	AS SHOWN	FIGURE :	4

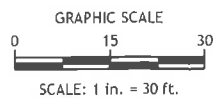


- LEGEND:**
- OVERHEAD UTILITIES AND POLE
 - UNDERGROUND POWER LINE
 - GAS LINE
 - PRODUCT PIPING
 - RECOVER WELL
 - MONITORING WELL
 - DEEP WELL
 - AIR SPARGE WELL
 - UNDERGROUND STORAGE TANK
 - APPROXIMATE EXTENT OF GRAVEL BACKFILL
- (ug/L) MICROGRAMS PER LITER
 (829) BENZENE CONCENTRATION (ug/L)
 [NS] 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

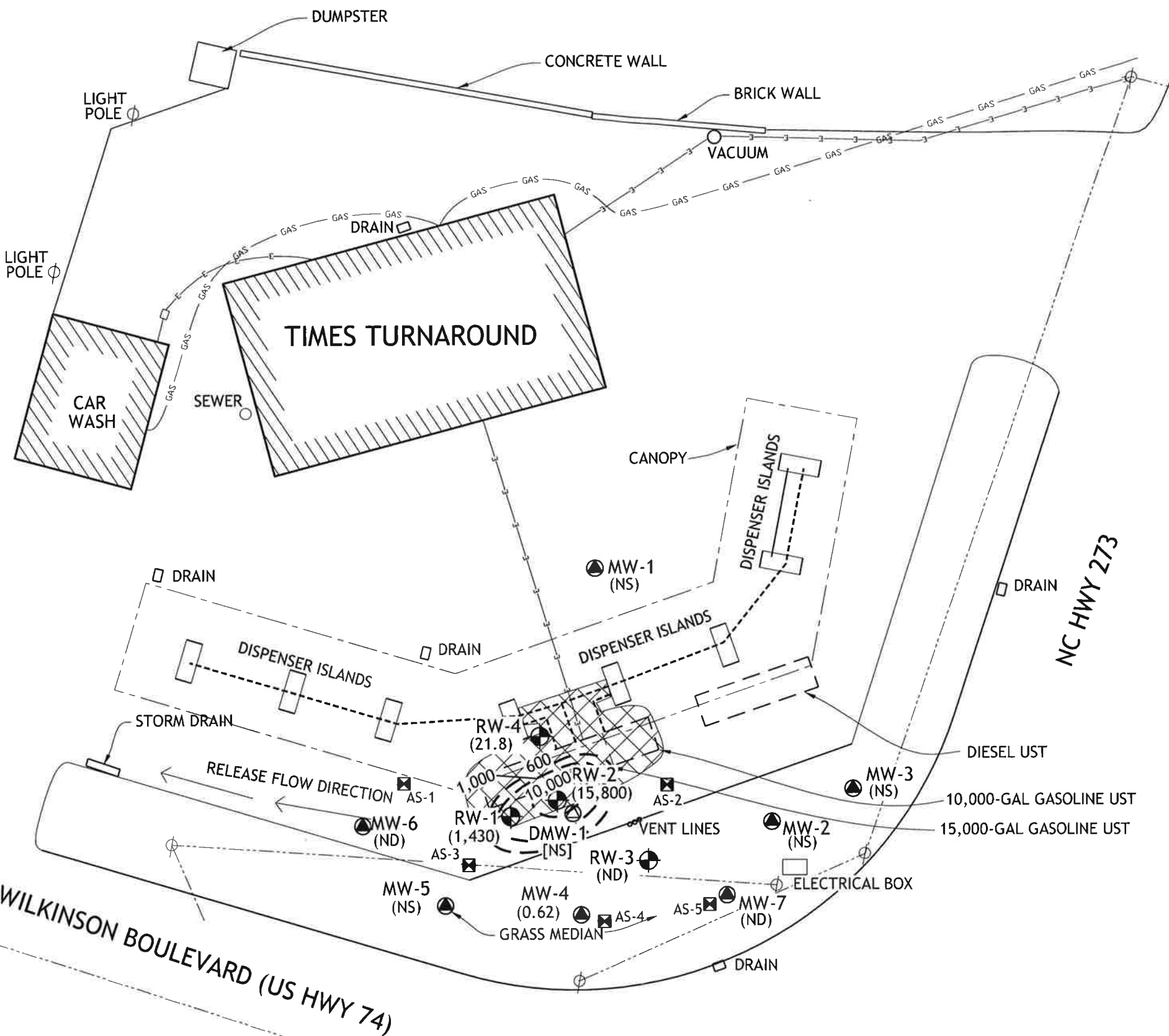
- NOTES:**
- 1- SITE MAP BASED ON SHIELD PERSONNEL FIELD MEASUREMENTS.
 - 2- ALL LOCATIONS ARE APPROXIMATE.
 - 3- GROUNDWATER SAMPLES COLLECTED ON 11/04/16.
 - 4- CONTOUR INTERVALS AS SHOWN.



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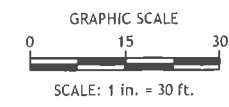
		4301 TAGGART CREEK ROAD CHARLOTTE, NC 28208 704-394-6913 704-394-6988 fax www.shieldengineering.com	
		BENZENE ISOCONCENTRATION MAP TIMES TURNAROUND #39 6751 WILKINSON BOULEVARD BELMONT, GASTON COUNTY, NORTH CAROLINA SHIELD # 1040063	
DATE :	12/08/16	DRAWN BY :	RBS
SCALE :	AS SHOWN	FIGURE :	5



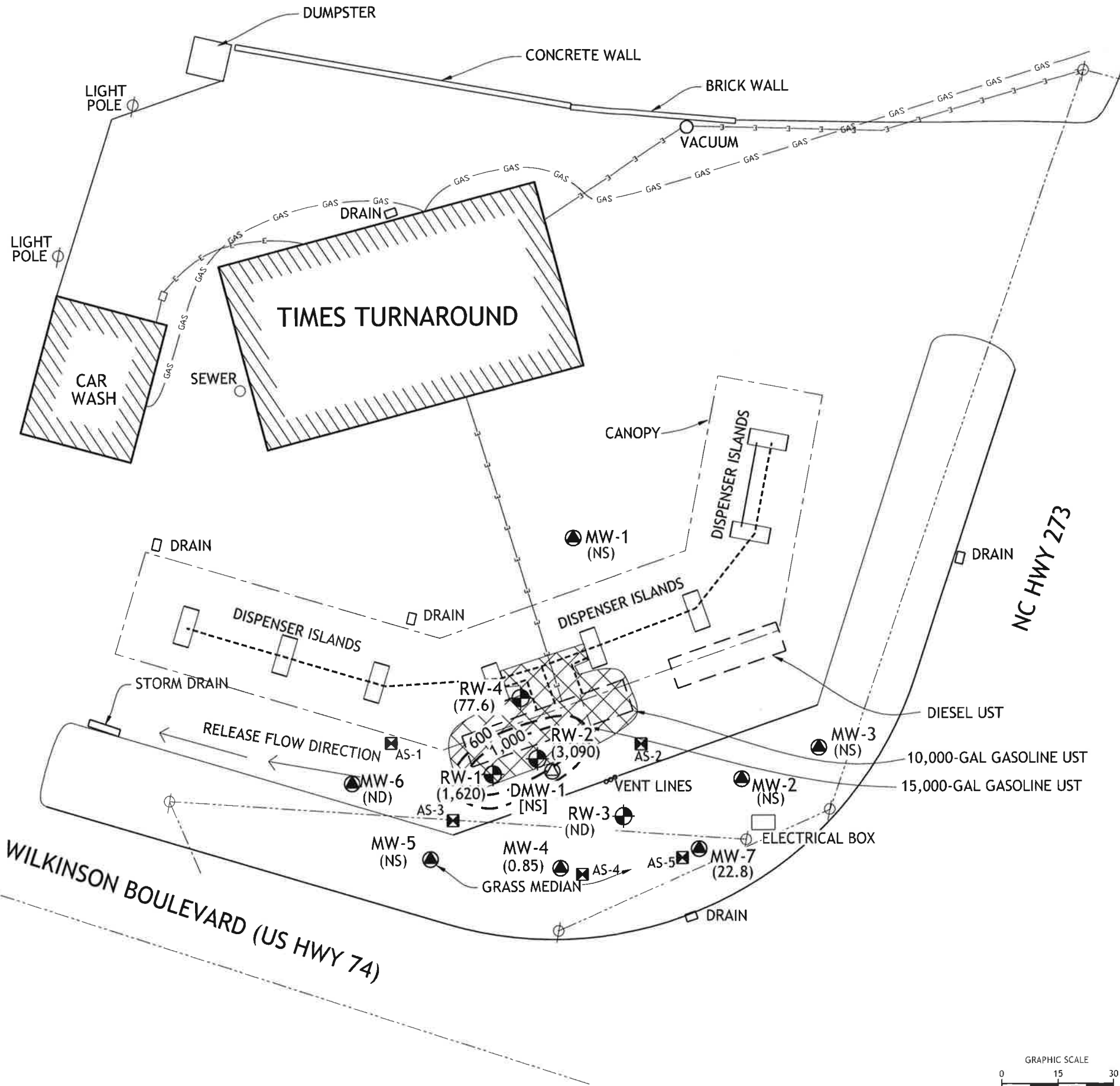
- LEGEND:**
- OVERHEAD UTILITIES AND POLE
 - UNDERGROUND POWER LINE
 - GAS LINE
 - PRODUCT PIPING
 - RECOVER WELL
 - MONITORING WELL
 - DEEP WELL
 - AIR SPARGE WELL
 - UNDERGROUND STORAGE TANK
 - APPROXIMATE EXTENT OF GRAVEL BACKFILL
- (ug/L) MICROGRAMS PER LITER
 (15,800) TOLUENE CONCENTRATION (ug/L)
 [NS] 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.
 - 2- ALL LOCATIONS ARE APPROXIMATE.
 - 3- GROUNDWATER SAMPLES COLLECTED ON 11/04/16.
 - 4- CONTOUR INTERVALS AS SHOWN.

		4301 TAGGART CREEK ROAD CHARLOTTE, NC 28208 704-394-9913 704-394-9988 fax www.shieldengineering.com	
		TOLUENE ISOCONCENTRATION MAP	
TIMES TURNAROUND #39 6751 WILKINSON BOULEVARD BELMONT, GASTON COUNTY, NORTH CAROLINA SHIELD # 1040063			
DATE :	12/08/16	DRAWN BY :	RBS
SCALE :	AS SHOWN	FIGURE :	6

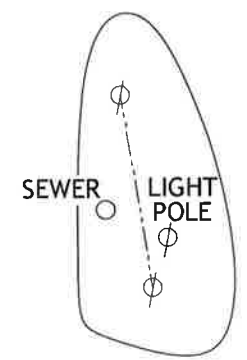


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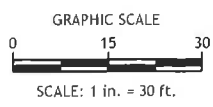


- LEGEND:**
- OVERHEAD UTILITIES AND POLE
 - UNDERGROUND POWER LINE
 - GAS LINE
 - PRODUCT PIPING
 - RECOVER WELL
 - MONITORING WELL
 - DEEP WELL
 - AIR SPARGE WELL
 - UNDERGROUND STORAGE TANK
 - APPROXIMATE EXTENT OF GRAVEL BACKFILL
- (ug/L) MICROGRAMS PER LITER
 (3,090) ETHYLBENZENE CONCENTRATION (ug/L)
 [NS] 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
 (LPH) NOT SAMPLED DUE TO PRESENCE OF LIQUID PHASE HYDROCARBONS

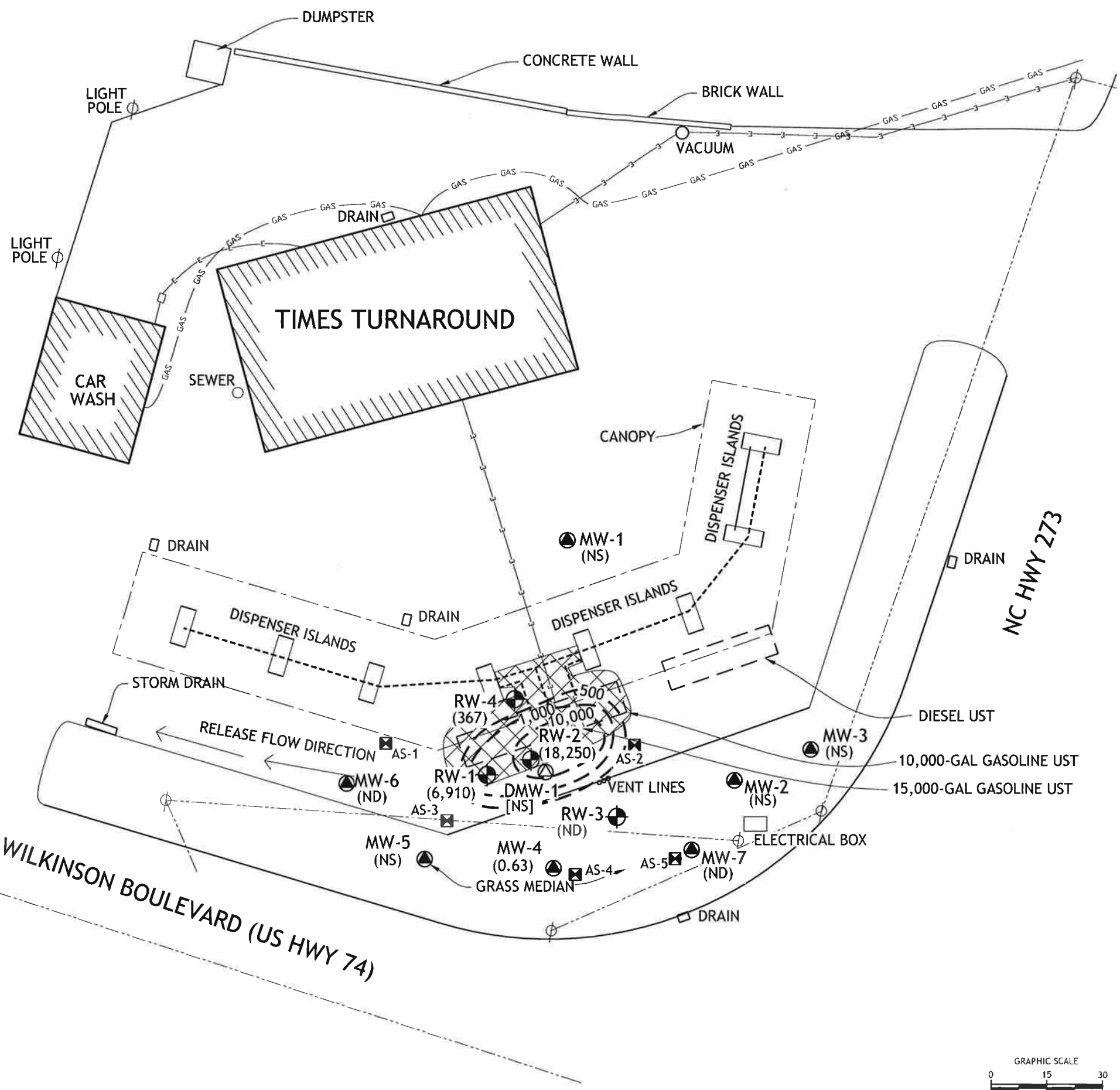
- NOTES:**
- 1- SITE MAP BASED ON SHIELD PERSONNEL FIELD MEASUREMENTS.
 - 2- ALL LOCATIONS ARE APPROXIMATE.
 - 3- GROUNDWATER SAMPLES COLLECTED ON 11/04/16.
 - 4- CONTOUR INTERVALS AS SHOWN.



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		4301 TAGGART CREEK ROAD CHARLOTTE, NC 28208 704-394-5913 704-394-5988 fax www.shieldengineering.com	
		ETHYLBENZENE ISOCONCENTRATION MAP	
TIMES TURNAROUND #39 6751 WILKINSON BOULEVARD BELMONT, GASTON COUNTY, NORTH CAROLINA SHIELD # 1040063			
DATE :	12/08/16	DRAWN BY :	RBS
SCALE :	AS SHOWN	FIGURE :	7



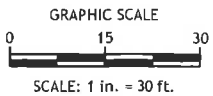
LEGEND:

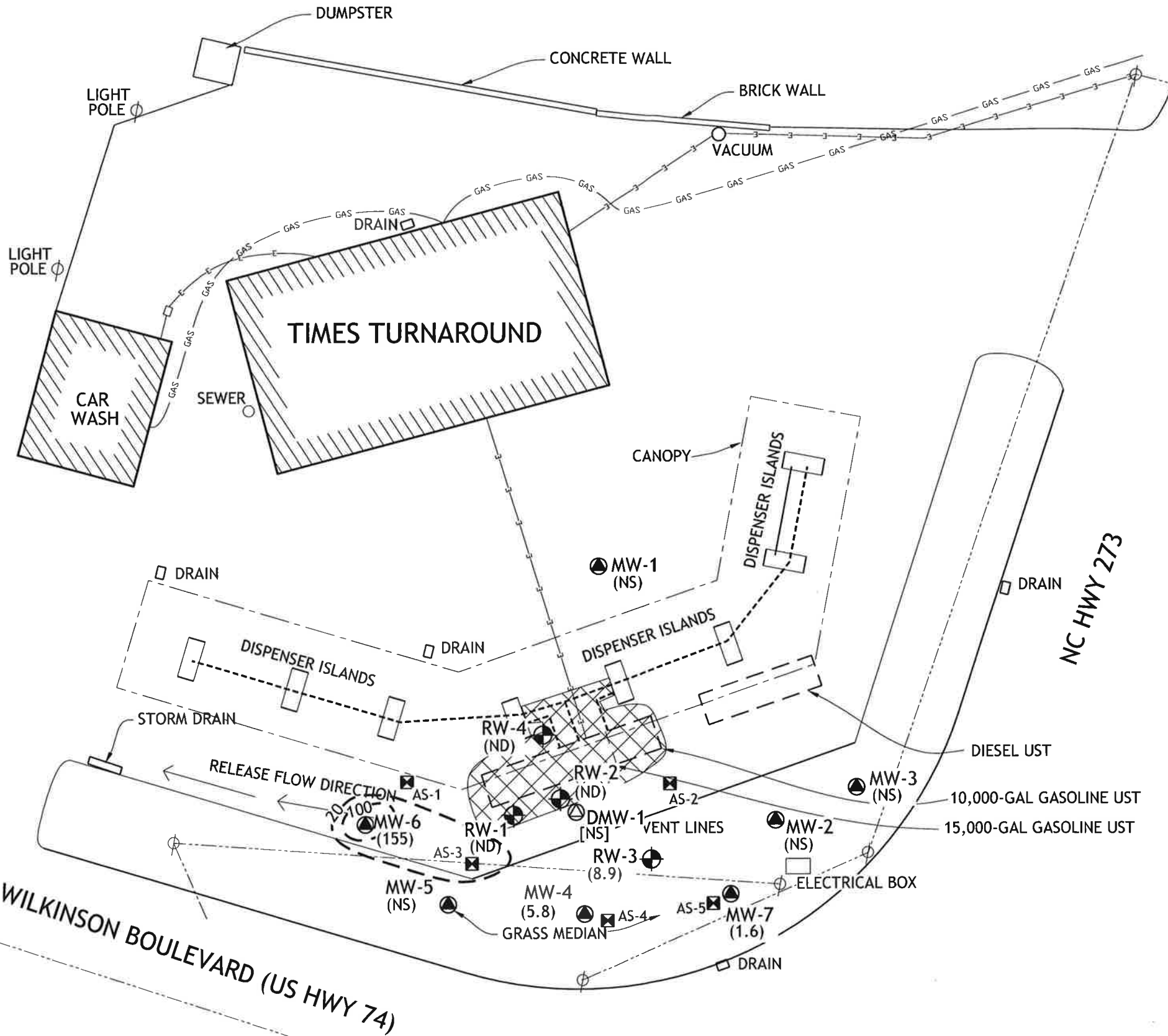
	OVERHEAD UTILITIES AND POLE
	UNDERGROUND POWER LINE
	GAS LINE
	PRODUCT PIPING
	RECOVER WELL
	MONITORING WELL
	DEEP WELL
	AIR SPARGE WELL
	UNDERGROUND STORAGE TANK
	APPROXIMATE EXTENT OF GRAVEL BACKFILL
(ug/L)	MICROGRAMS PER LITER
(18,250)	TOTAL XYLENES CONCENTRATION (ug/L)
[NS]	TOTAL XYLENES CONCENTRATION (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 11/04/16.
 - 4- CONTOUR INTERVALS AS SHOWN.

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<p>4301 TAGGART CREEK ROAD CHARLOTTE, NC 28208 704-394-6913 704-394-6908 fax www.shieldengineering.com</p>	
<p>TOTAL XYLENES ISOCONCENTRATION MAP</p>	
<p>TIMES TURNAROUND #39 6751 WILKINSON BOULEVARD BELMONT, GASTON COUNTY, NORTH CAROLINA SHIELD # 1040063</p>	
DATE : 12/08/15	DRAWN BY : RBS
SCALE : AS SHOWN	FIGURE : 8



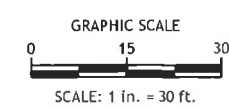


LEGEND:

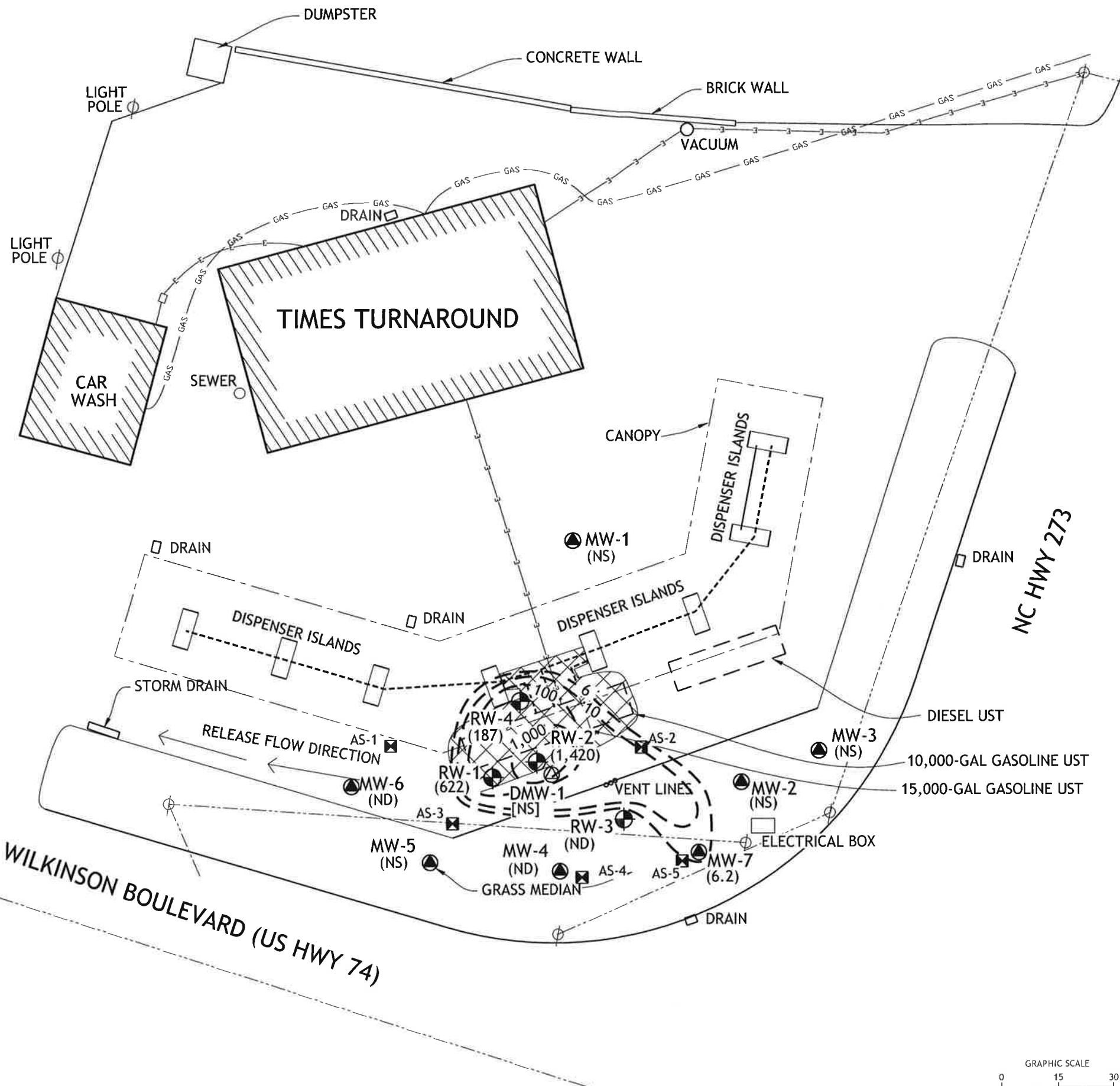
	OVERHEAD UTILITIES AND POLE
	UNDERGROUND POWER LINE
	GAS LINE
	PRODUCT PIPING
	RECOVER WELL
	MONITORING WELL
	DEEP WELL
	AIR SPARGE WELL
	UNDERGROUND STORAGE TANK
	APPROXIMATE EXTENT OF GRAVEL BACKFILL
MTBE (ug/L)	METHYL-TERT-BUTYL ETHER MICROGRAMS PER LITER
(155)	MTBE CONCENTRATION (ug/L)
[NS]	MTBE 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
(LPH)	NOT SAMPLED DUE TO PRESENCE OF LIQUID PHASE HYDROCARBONS

- NOTES:**
- 1- SITE MAP BASED ON SHIELD PERSONNEL FIELD MEASUREMENTS.
 - 2- ALL LOCATIONS ARE APPROXIMATE.
 - 3- GROUNDWATER SAMPLES COLLECTED ON 11/04/16.
 - 4- CONTOUR INTERVALS AS SHOWN.

<p>4301 TAGGART CREEK ROAD CHARLOTTE, NC 28208 704-394-6613 704-394-0066 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 :	12/08/16	DRAWN BY :	RBS
SCALE :	AS SHOWN	FIGURE :	9

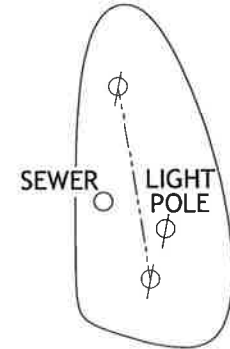


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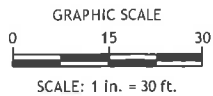


- LEGEND:**
- OVERHEAD UTILITIES AND POLE
 - UNDERGROUND POWER LINE
 - GAS LINE
 - PRODUCT PIPING
 - RECOVER WELL
 - MONITORING WELL
 - DEEP WELL
 - AIR SPARGE WELL
 - UNDERGROUND STORAGE TANK
 - APPROXIMATE EXTENT OF GRAVEL BACKFILL
- (ug/L) MICROGRAMS PER LITER
 (1,420) NAPHTHALENE CONCENTRATION (ug/L)
 [NS] 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 11/04/16.
 - 4- CONTOUR INTERVALS AS SHOWN.



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		4301 TAGGART CREEK ROAD CHARLOTTE, NC 28208 704-394-8813 704-394-8858 fax www.shieldengineering.com	
		NAPHTHALENE ISOCONCENTRATION MAP	
TIMES TURNAROUND #39 6751 WILKINSON BOULEVARD BELMONT, GASTON COUNTY, NORTH CAROLINA SHIELD # 1040063			
DATE :	12/08/16	DRAWN BY :	RBS
SCALE :	AS SHOWN	FIGURE :	10

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

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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-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
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6751 Wilkinson Boulevard, Belmont, Gaston County, North Carolina, 28012
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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) 616-1263	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
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6751 Wilkinson Boulevard, Belmont, Gaston County, North Carolina, 28012
Groundwater Incident # 27732
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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 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?)
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						
5/26/2015	24.62	NP	13.59	0.38	11.03	0.00	86.41						
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						
5/26/2015	25.02	NP	14.33	-0.02	10.69	0.00	85.38						
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						
5/26/2015	25.04	NP	14.33	-0.04	10.71	0.00	85.43						
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
5/26/2015	22.69	NP	13.72	2.31	8.97	0.00	84.83						
11/16/2015	22.69	NP	13.30	2.31	9.39	0.00	85.25						
5/25/2016	22.69	NP	13.84	2.31	8.85	0.00	84.71						
11/4/2016	22.69	NP	14.75	2.31	7.94	0.00	83.80						

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
						1/12/2010	24.05	NP	13.05	0.95	11.00	0.00	85.85
						4/22/2010	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
						5/26/2015	24.05	NP	14.10	0.95	9.95	0.00	84.80
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
						1/12/2010	24.98	NP	12.64	0.02	12.34	0.00	86.04
						4/22/2010	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
						5/26/2015	24.98	NP	13.63	0.02	11.35	0.00	85.05
11/16/2015	24.98	NP	13.59	0.02	11.39	0.00	85.09						
5/25/2016	24.98	NP	13.64	0.02	11.34	0.00	85.04						
11/4/2016	24.98	NP	14.51	0.02	10.47	0.00	84.17						
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
						1/12/2010	23.82	NP	12.91	1.18	10.91	0.00	85.77
						4/22/2010	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
						5/26/2015	23.82	NP	13.82	1.18	10.00	0.00	84.86
11/16/2015	23.82	NP	13.39	1.18	10.43	0.00	85.29						
5/25/2016	23.82	NP	13.90	1.18	9.92	0.00	84.78						
11/4/2016	23.82	NP	14.79	1.18	9.03	0.00	83.89						
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
5/26/2015	45.34	NP	14.26	-0.34	31.08	0.00	84.91						

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-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	84.37
5/26/2015	22.80	NP	13.81	1.20	8.99	0.00	85.15						
11/16/2015	22.80	NP	13.52	1.20	9.28	0.00	85.44						
5/25/2016	22.80	NP	13.71	1.20	9.09	0.00	85.25						
11/4/2016	22.80	NP	14.83	1.20	7.97	0.00	84.13						
RW-2	04/09/04	99.01	4	23	1-23	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	85.35
						11/25/2014	23.50	NP	14.54	-0.50	8.96	0.00	84.47
5/26/2015	23.50	13.81	13.91	-0.50	9.59	0.10	85.18						
11/16/2015	23.50	13.51	13.63	-0.50	9.87	0.12	85.47						
5/25/2016	23.50	NP	13.75	-0.50	9.75	0.00	85.26						
11/4/2016	23.50	NP	14.81	-0.50	8.69	0.00	84.20						

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
						11/2/2010	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						
5/26/2015	23.82	NP	14.65	-1.32	9.17	0.00	85.01						
11/16/2015	23.82	NP	14.19	-1.32	9.63	0.00	85.47						
5/25/2016	23.82	NP	14.75	-1.32	9.07	0.00	84.91						
11/4/2016	23.82	NP	15.70	-1.32	8.12	0.00	83.96						
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	83.88
						12/11/2007	NM	14.26	14.68	N/A	5.32	0.42	84.72
						4/30/2008	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
						11/2/2010	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
5/26/2015	19.17	NP	13.26	0.83	5.91	0.00	85.82						
11/16/2015	19.17	NP	13.21	0.83	5.96	0.00	85.87						
5/25/2016	19.17	NP	13.24	0.83	5.93	0.00	85.84						
11/4/2016	19.17	NP	14.40	0.83	4.77	0.00	84.68						

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	1,604.07*
	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								

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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 cont.	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							
	04/25/16	NP	13.77	0.00	MMPE	4,050	108.00	1,650	2.20	0.00	1,290
	04/29/16	NP	15.70	0.00							
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												

**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.	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										
	04/25/16	13.80	13.83	0.00	MMPE	4,050	108.00	1,650	2.21	0.00	1,291
	04/29/16	NP	17.10	0.00							
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)									2,856.22	1,267.35	56,156.01

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/min = 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.)	Skimming (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.)	(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 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
	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		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
								(lbs.)	(Ounces)						
	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)
	12/11/2014	4	23.50	NM	14.43	0.00	Skimming Sock	0	1.5	1	0.09	0.01	0	0.01	Installed 1 Sock (Weight 1 oz)
	12/17/2014	4	23.50	NM	14.38	0.00	Skimming Sock	0	1.3	1	0.08	0.00	0	0.00	Installed 1 Sock (Weight 1 oz)
	1/8/2015	4	23.50	NM	13.30	0.00	Skimming Sock	0	1.5	1	0.09	0.01	0	0.01	Installed 1 Sock (Weight 1 oz)
	1/23/2015	4	23.50	NM	14.18	0.00	Skimming Sock	0	1.3	1	0.08	0.00	0	0.00	Installed 1 Sock (Weight 1 oz)
	2/6/2015	4	23.50	NM	13.58	0.00	Skimming Sock	0	1.4	1	0.09	0.00	0	0.00	Installed 1 Sock (Weight 1 oz)
	2/11/2015	4	23.50	NM	13.98	0.00	Skimming Sock	0	1.3	1	0.08	0.00	0	0.00	Installed 1 Sock (Weight 1 oz)
Total:												18.28	10.785	29.06	

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-4	11/4/2016	6.5	0.62	0.85	0.63	5.8	2.9	ND	ND	14.8	12.6	5.9	6.2	7.2
MW-6	11/4/2016	ND	ND	ND	ND	155	63.3	ND	0.56	0.75	ND	ND	ND	ND
MW-7	11/4/2016	5.2	ND	22.8	ND	1.6	1.8	6.2	ND	ND	ND	2.2	2.4	2.9
RW-1	11/4/2016	829	1430	1620	6910	ND	13	622	ND	1590	456	55.6	ND	156
RW-2	11/4/2016	ND	15800	3090	18250	ND	ND	1420	ND	2870	759	84	ND	267
RW-3	11/4/2016	ND	ND	ND	ND	8.9	27.8	ND	ND	ND	ND	ND	1.2	ND
RW-4	11/4/2016	ND	21.8	77.6	367	ND	ND	187	ND	641	192	26.3	6.6	59.2
Trip Blank	11/4/2016	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 = NCDEQ Standard Statute for non-risked based maximum allowable containment concentration in groundwater
- Gross Contamination Levels = NCDEQ 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 2L 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 3030C	EPA 504.1 or 6210D	VPH ¹			
Parameter -->		Benzene	Toluene	Ethylbenzene	Total Xylenes	Methyltert-butyl Ether (MTBE)	Isopropyl Ether (IPE)	Naphthalene	1,2-Dichloroethane	1,1,1-Trichloroethane	Chloroform	Isopropyl Benzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	n-Propylbenzene	1,4-Cyclohexadiene	Chloroacetaldehyde	1,1,2-Trichloroethane	Styrene	Lead	KOH	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	—	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	—	100000	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
MW-1	11/1/2004	ND ⁵	ND	ND	ND	4.2	ND	ND	ND	ND	3.7	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	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR ⁶	ND	ND	ND	ND
	9/4/2008	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	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	NR	NR	NR	NR	NR
	1/12/2010	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	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	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	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	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	NR	NR	NR	NR	NR
	10/23/2012	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	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	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	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	NR	NR	NR	NR	NR	
5/26/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
11/16/2015	NS - Not required by NCDEQ																								
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
	6/21/2007	ND	ND	ND	ND	1000	52	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	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	NR	NR	NR	NR	NR
	11/10/2009	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	NR	NR	NR	NR	NR
	4/22/2010	1	ND	ND	ND	102	11.2	ND	ND	ND	ND	ND	0.8	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	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	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	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	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	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	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	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	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	NR	NR	NR	NR	NR	
5/26/2015	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
11/16/2015	NS - Not required by NCDEQ																								

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 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-Trimethylbenzene	1,3,5-Trimethylbenzene	Chloroform	Isopropylbenzene	m-Dibromobenzene	tert-Butylbenzene	m-Propylbenzene	4-Chlorobiphenyl	Chlorobenzene	1,1,2-Trichloroethane	Styrene	Lead	EDD	Aliphatics (C5-C8)	Aliphatics (C9-Cl3)	Aromatics (C9-Cl10)	
15A NCAC 2L.0202 Standard ¹ -->		1	600	600	500	20	70	6	0.4	400	400	70	70	70	70	70	70	3	1	100	15	0.0064	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	---	---	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	
MW-7	12/1/2007	1,070	710	14.6	880	2,870	300	237	ND	122	ND	ND	32.1	4.7	ND	ND	16.1	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	ND	69.5	ND	ND	ND	NR	ND	NR	NR	NR	
	11/6/2009	1,500	2,050	376	2,023	371	93.7	1,220	ND	741	128	ND	33.7	ND	ND	ND	39.7	ND	ND	ND	NR	ND	NR	NR	NR	
	1/12/2010	291	117	99.6	397	302	47.9	246	ND	244	94.8	ND	18	ND	ND	ND	20	ND	ND	ND	NR	ND	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	
	10/25/2010	318	8.2	61.8	55.7	265	45	38.8	ND	7.5	8.7	ND	8.6	ND	ND	ND	3.4	ND	ND	ND	NR	ND	NR	NR	NR	
	4/4/2011	15.7	ND	5.6	4.4	162	18	13.2	ND	ND	ND	ND	ND	3.2	ND	ND	ND	ND	ND	ND	NR	ND	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	
	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	
	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	
	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	
	10/2/2013	6	1	24.7	8.3	39.4	6.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.3	ND	ND	NR	ND	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	
	11/25/2014	25.2	1.1	41.0	18.8	7.1	1.4	16.4	ND	ND	2.8	ND	3.0	1.2	ND	ND	4.9	ND	ND	ND	NR	ND	NR	NR	NR	
	5/26/2015	92.6	37.6	206	67	3.8	2.4	125	ND	6.5	5	ND	15	ND	ND	ND	23.6	ND	ND	0.85	NR	ND	NR	NR	NR	
	11/16/2015	4.8	ND	16.5	1.3	2.1	0.78	19.3	ND	0.98	ND	ND	1.9	ND	ND	ND	1.6	ND	ND	ND	NR	NR	NR	NR	NR	
5/25/2016	8.4	1.8	103	7.5	1.8	ND	15.5	ND	1.4	ND	ND	22.2	3.5	4.6	ND	17.7	ND	ND	ND	NR	ND	NR	NR	NR		
11/4/2016	5.2	ND	22.8	ND	1.6	1.8	6.2	ND	ND	ND	ND	2.2	ND	2.4	ND	2.9	ND	ND	ND	NR	ND	NR	NR	NR		
DMW-1	11/1/2004	23	58	8.4	51	52	ND	4.5	ND	ND	ND	2.9	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	ND	2.6	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	
	11/30/2009	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	ND	1.9	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	NR	ND	NR	NR	NR	
	4/4/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	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	1.7	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	1.3	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	1.1	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	1.4	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	NR	ND	NR	NR	NR	
	4/16/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	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	0.98	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR		
5/26/2015	ND	ND	ND	ND	0.76	2.2	ND	ND	ND	ND	0.8	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR		
11/16/2015																										

NS - Not required by NCDEQ

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 504.1 or 6210D	VPH ¹			
	Parameter-->	Benzene	Toluene	Ethylbenzene	Total Xylenes	Methylchloro Ether (MCE)	Isopropyl Ether (IPE)	Naphthalene	1,2-Dichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Chloroform	Isopropylbenzene	m-Diethylbenzene	sec-Diethylbenzene	tert-Diethylbenzene	o-Diethylbenzene	4-Chlorobenzene	Chlorobenzene	1,1,2-Trichloroethane	Styrene	Lead	HHE	Aliphatics (C5-C8)	Aliphatics (C9-C12)	Aromatics (C5-C10)
15A NCAC 2L.0202 Standard ² -->	1	600	600	500	20	70	6	0.4	400	400	70	70	70	70	70	70	70	70	70	70	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 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
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	ND	228	ND	ND	ND	ND	NR	ND	NR	NR	NR
	1/12/2010	6,380	34,100	1,490	12,640	ND	60.3	1,530	ND	2,810	778	ND	68.7	ND	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	1,600	ND	2,750	704	ND	ND	ND	ND	ND	171	ND	ND	ND	ND	NR	ND	NR	NR	NR
	10/25/2010	2,610	14,300	1,390	15,390	ND	ND	918	ND	2,380	636	ND	125	ND	ND	ND	107	ND	ND	ND	343	NR	ND	NR	NR	NR
	4/4/2011	2,440	8,850	795	9,360	ND	ND	724	ND	1,370	360	ND	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	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	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	ND	122	ND	ND	ND	ND	NR	ND	NR	NR	NR
	4/30/2013	1,410	3,940	681	3,030	ND	ND	406	ND	967	254	ND	78.2	ND	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	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	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	ND	71.7	ND	ND	ND	ND	NR	ND	NR	NR	NR
	5/26/2015	1,740	6,250	1,510	9,820	ND	53.7	779	ND	2,160	621	ND	77.1	ND	ND	ND	204	ND	ND	ND	6.5	NR	ND	NR	NR	NR
11/16/2015	1,200	3,960	1,540	7,870	ND	75.5	566	ND	2,160	608	ND	79.7	ND	ND	ND	200	ND	ND	ND	ND	NR	NR	NR	NR	NR	
5/25/2016	372	2010	655	3152	ND	8.6	264	ND	811	265	ND	25.7	ND	ND	ND	68.5	ND	ND	ND	7.7	NR	ND	NR	NR	NR	
1/4/2016	829	1430	1620	6910	ND	13	622	ND	1590	456	ND	55.6	ND	ND	ND	156	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	ND	632	ND	ND	ND	ND	NR	ND	NR	NR	NR
	4/19/2012	4,850	27,600	3,150	18,940	ND	ND	1,320	ND	3,600	812	ND	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	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	ND	290	ND	ND	ND	ND	NR	ND	NR	NR	NR
	4/16/2014	NS-LPH																								
	1/12/2014	2,470	20,100	2,680	15,770	ND	211	1,120	ND	2,610	634	ND	ND	ND	ND	ND	272	ND	ND	ND	ND	NR	ND	NR	NR	NR
	5/28/2015	2,500	25,000	3,150	19,280	ND	183	1,130	ND	3,040	830	ND	ND	ND	ND	ND	282	ND	ND	ND	ND	NR	ND	NR	NR	NR
11/16/2015	NS-LPH																									
5/25/2016	1610	19200	2580	16090	ND	66.6	1000	ND	2460	660	ND	78.8	ND	ND	ND	223	ND	ND	ND	171	NR	ND	NR	NR	NR	
1/4/2016	ND	15800	3090	18250	ND	ND	1420	ND	2870	759	ND	84	ND	ND	ND	267	ND	ND	ND	76.1	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 3030C	EPA 504.1 or 6210D	VPI ¹					
	Parameter -->	Urethane	Toluene	Ethylbenzene	Total Xylenes	Methyl-tert-butyl Ether (MTBE)	Isopropyl Ether (IPE)	Naphthalene	1,2-Dichloroethane	1,2,4-Trichloroethane	1,1,1-Trinitroethane	Chloroform	Isopropylbenzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	n-Propylbenzene	1-Chlorobutane	Chlorobenzene	1,1,2-Trichloroethane	Styrene	Lead	TOH	Aliphatics (C5-C8)	Aliphatics (C9-C13)	Aromatics (C9-C10)	
15A NCAC 2L.0202 Standard ² -->	1	600	600	500	20	70	6	8.4	400	400	70	70	70	70	70	70	70	70	3	70	100	15	0.0064	420	4200	210	
15A NCAC 2L.0115 Gross Contamination Level ³ -->	5,000	260,000	84,500	85,500	20,900	70,000	6,000	400	28,500	2,500	70,000	25,000	6,900	8,500	15,000	30,000	70	70	3,000	70	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
RW-3	9/4/2008	NS-LPH																									
	7/30/2009	3,620	5,700	771	4,980	1,810	176	653	ND	1,480	ND	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	29.6	4.1	25.6	47.4	167	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	2.4	0.59	1.7	ND	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	0.57	ND	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	ND	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	0.72	ND	1.1	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	5/26/2015	ND	ND	ND	ND	7.9	23.3	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	11/16/2015	ND	ND	ND	0.95	9.1	27.5	ND	ND	ND	ND	0.69	ND	1.7	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	5/25/2016	ND	ND	ND	ND	7.6	20.4	ND	ND	ND	ND	ND	ND	0.62	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	11/4/2016	ND	ND	ND	ND	8.9	27.8	ND	ND	ND	ND	ND	ND	1.2	ND	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	5,488	ND	ND	572	ND	ND	554	ND	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	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	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	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	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	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	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	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	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	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	NR	
	4/16/2014	5.7	112	106	865	ND	ND	234	ND	924	296	ND	18.6	ND	ND	ND	42.9	ND	ND	ND	ND	NR	ND	NR	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	NR	
	5/26/2015	ND	33	68.6	488	ND	ND	197	ND	628	182	ND	18.3	ND	ND	ND	36.5	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	11/16/2015	3	29.2	48.0	475	ND	ND	224	ND	733	208	ND	25	ND	ND	ND	43.3	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	5/25/2016	ND	55.5	78.7	681	ND	ND	186	ND	646	203	ND	21.5	ND	ND	ND	37.7	ND	ND	ND	ND	NR	ND	NR	NR	NR	
	11/4/2016	ND	21.8	77.6	367	ND	ND	187	ND	641	192	ND	26.3	ND	6.6	ND	59.2	ND	ND	ND	ND	NR	ND	NR	NR	NR	

Table 6 - Summary of Historical Analytical Results - Groundwater Samples

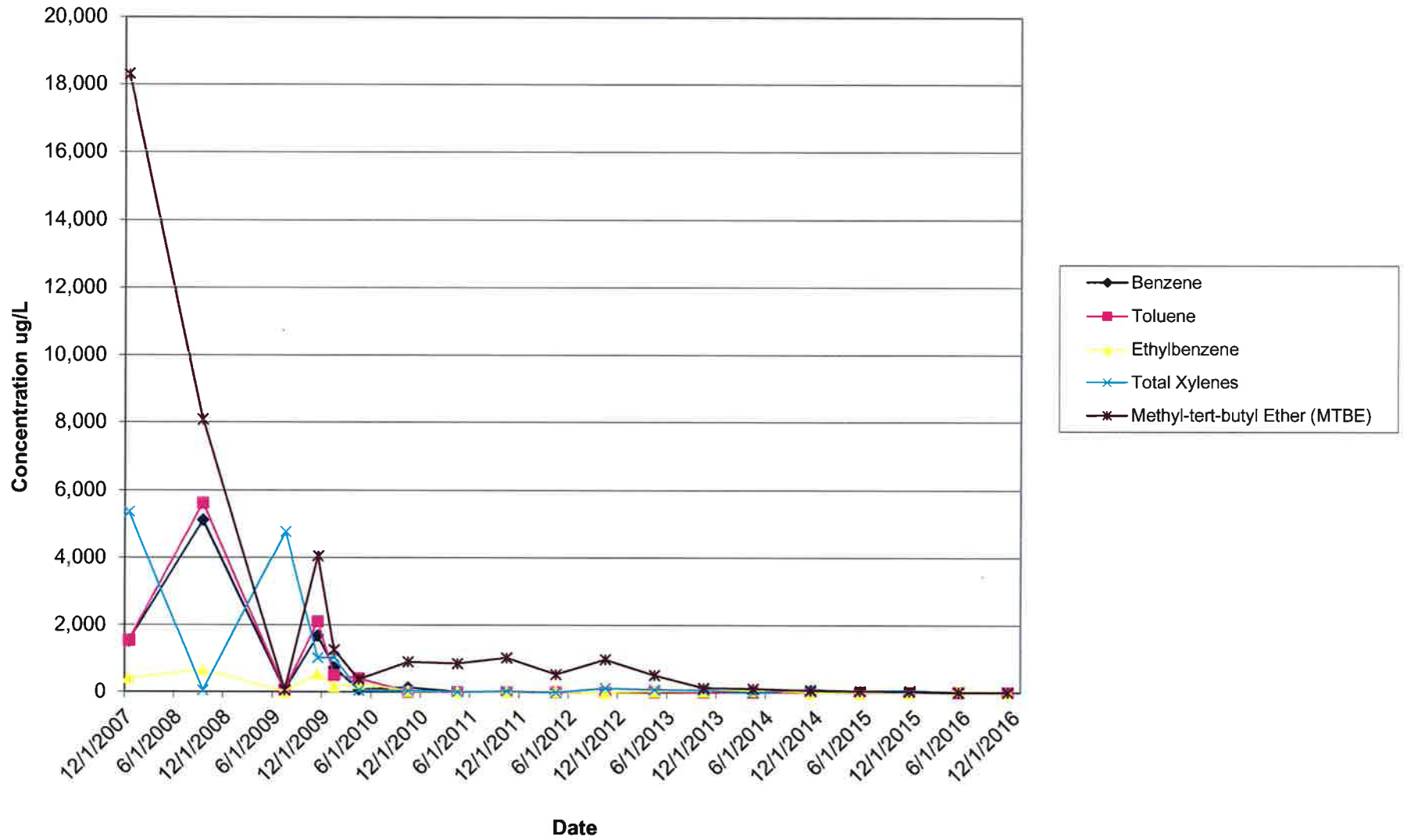
Times Turnaround #39
 6751 Wilkinson Boulevard, Belmont, Gaston County, North Carolina, 28012
Groundwater Incident # 27733

Analytical Method-->		EPA 601/602 or 6210D																		EPA 303C	EPA 504 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-Trimethylbenzene	1,3,5-Trimethylbenzene	Chloroform	Isopropylbenzene	m-Dichlorobenzene	sec-Butylbenzene	tert-Butylbenzene	p-Propylbenzene	1-Chloroethane	Chloroethane	1,1,1-Trichloroethane	Styrene	Lead	PHH	Aliphatics (C5-C8)	Aliphatics (C9-Cl2)	Aromatics (C9-Cl9)	
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	—	100000	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	
	1/12/2010	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	
	11/25/2014	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	
	5/26/2015	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	
	11/16/2015	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	
	5/25/2016	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	
11/4/2016	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		

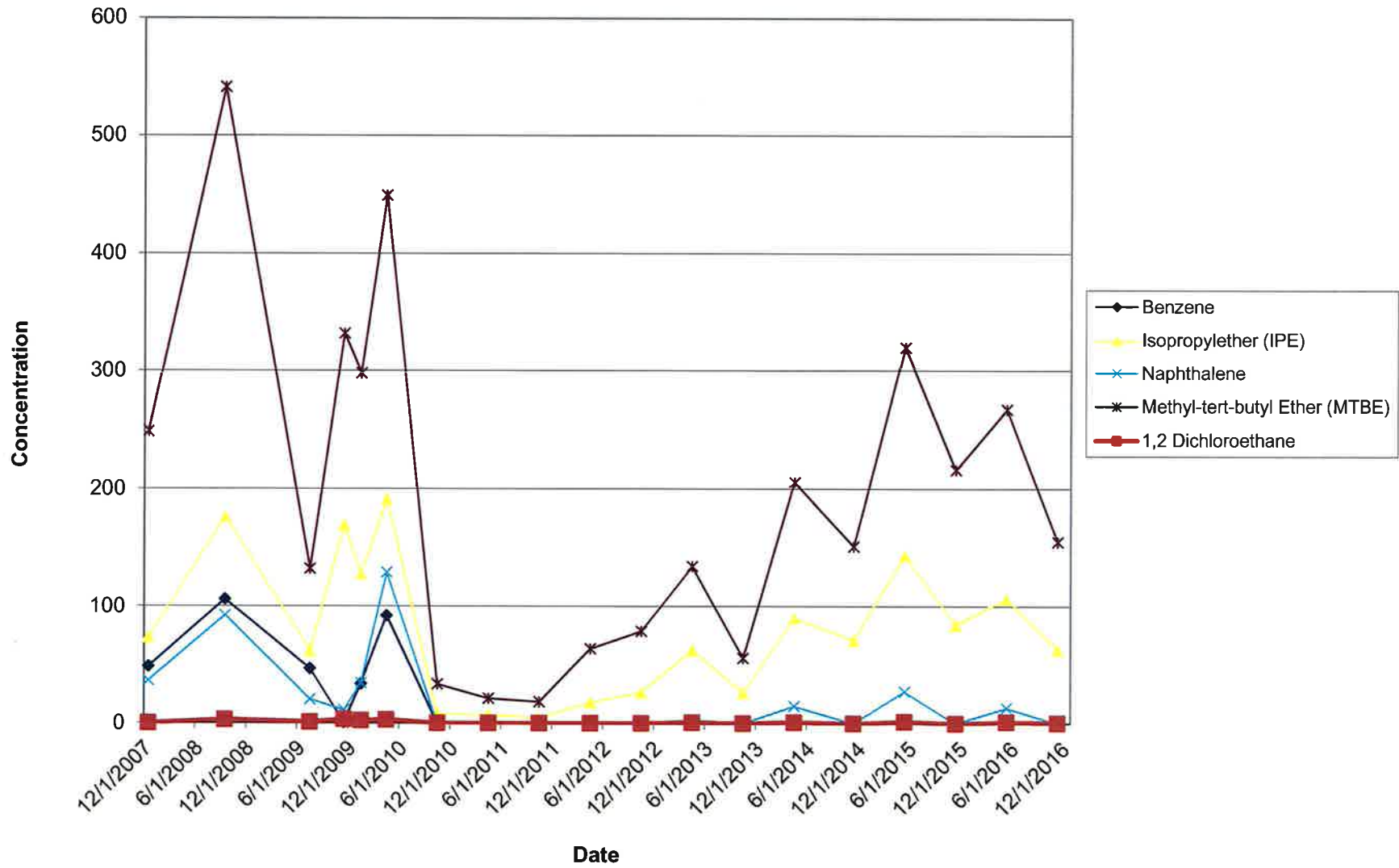
NOTES
 1. MADEP = Massachusetts Department of Environmental Protection Volatile Petroleum Hydrocarbon (VPH) analytical test method.
 2. 15A NCAC 2L 0202 = NCDEQ Standard Statute for non-risk based maximum allowable concentration in groundwater.
 3. Gross Contamination Levels = NCDEQ Standard Statute for risk based maximum gross contamination levels for groundwater.
 4. ug/l = Micrograms per liter.
 5. ND = Not detected at or above the method detection limit specified in the laboratory report.
 6. NR = Analysis not requested.
 7. NS: LPH = Not sampled due to presence of Liquid Phase Hydrocarbons.
Bold values were detected at or above 2L Standards.
Underlined values were detected at or above Gross Contamination level standards.

GRAPH(S)

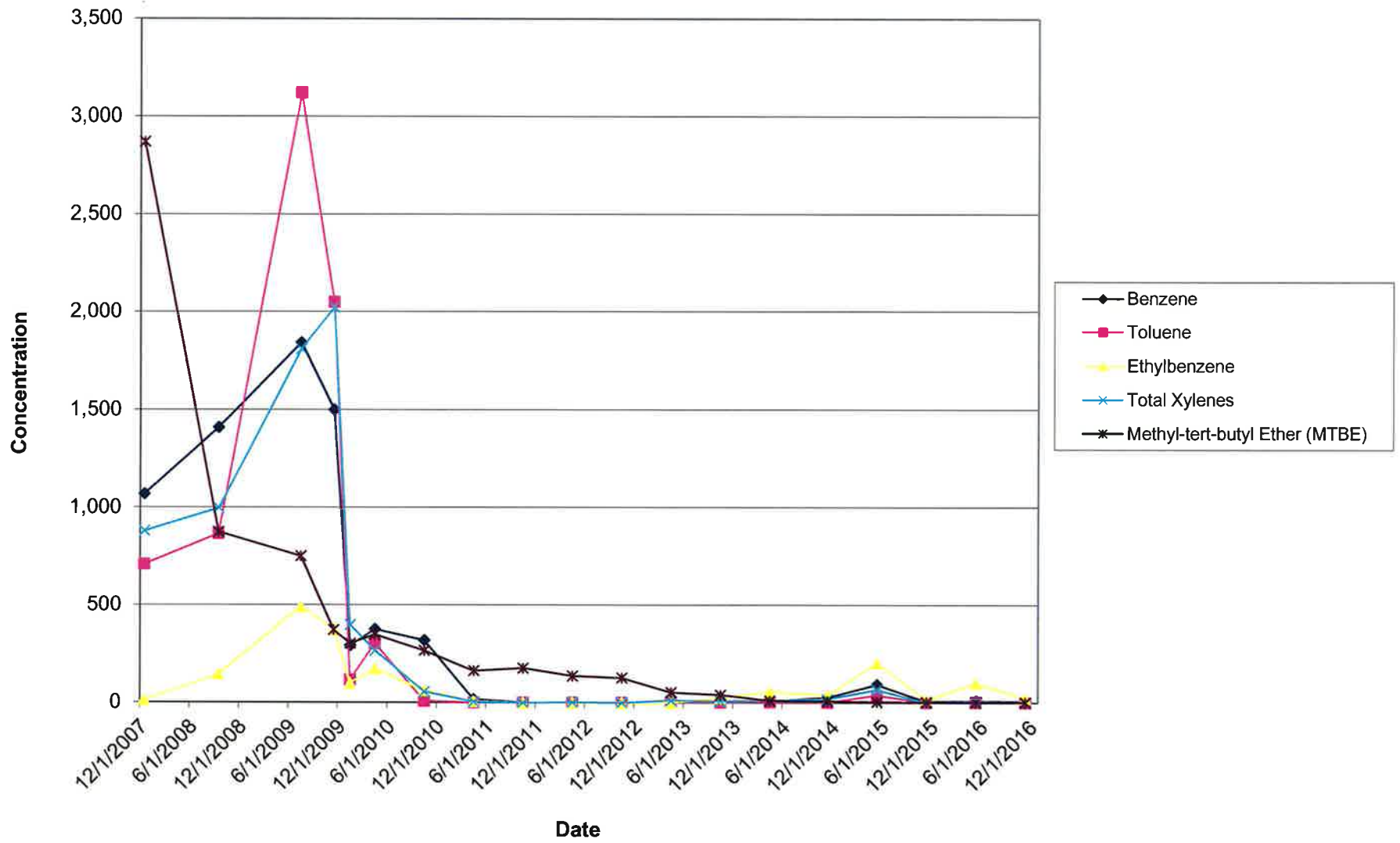
Concentration vs. Time - MW-4



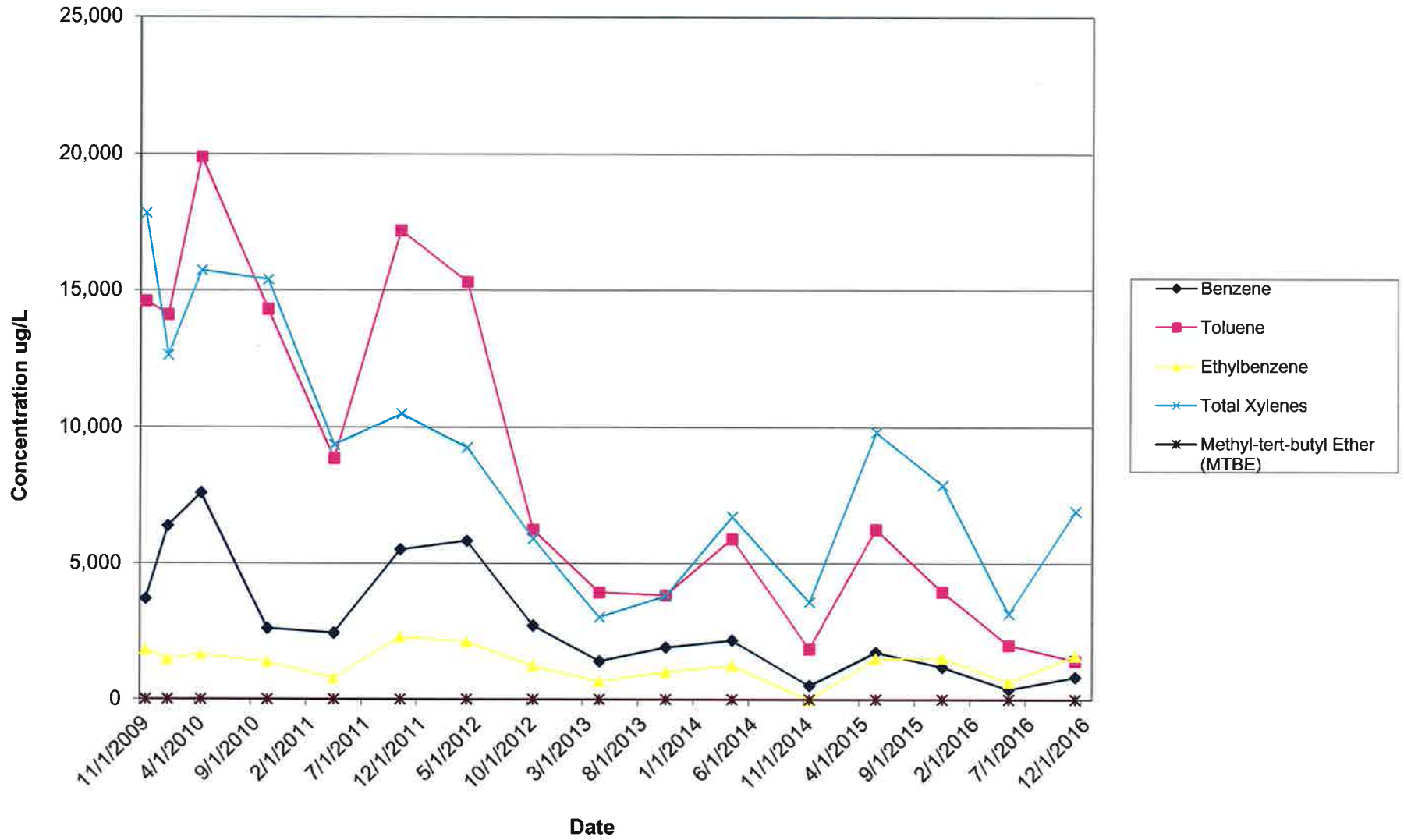
Concentration vs. Time - MW-6



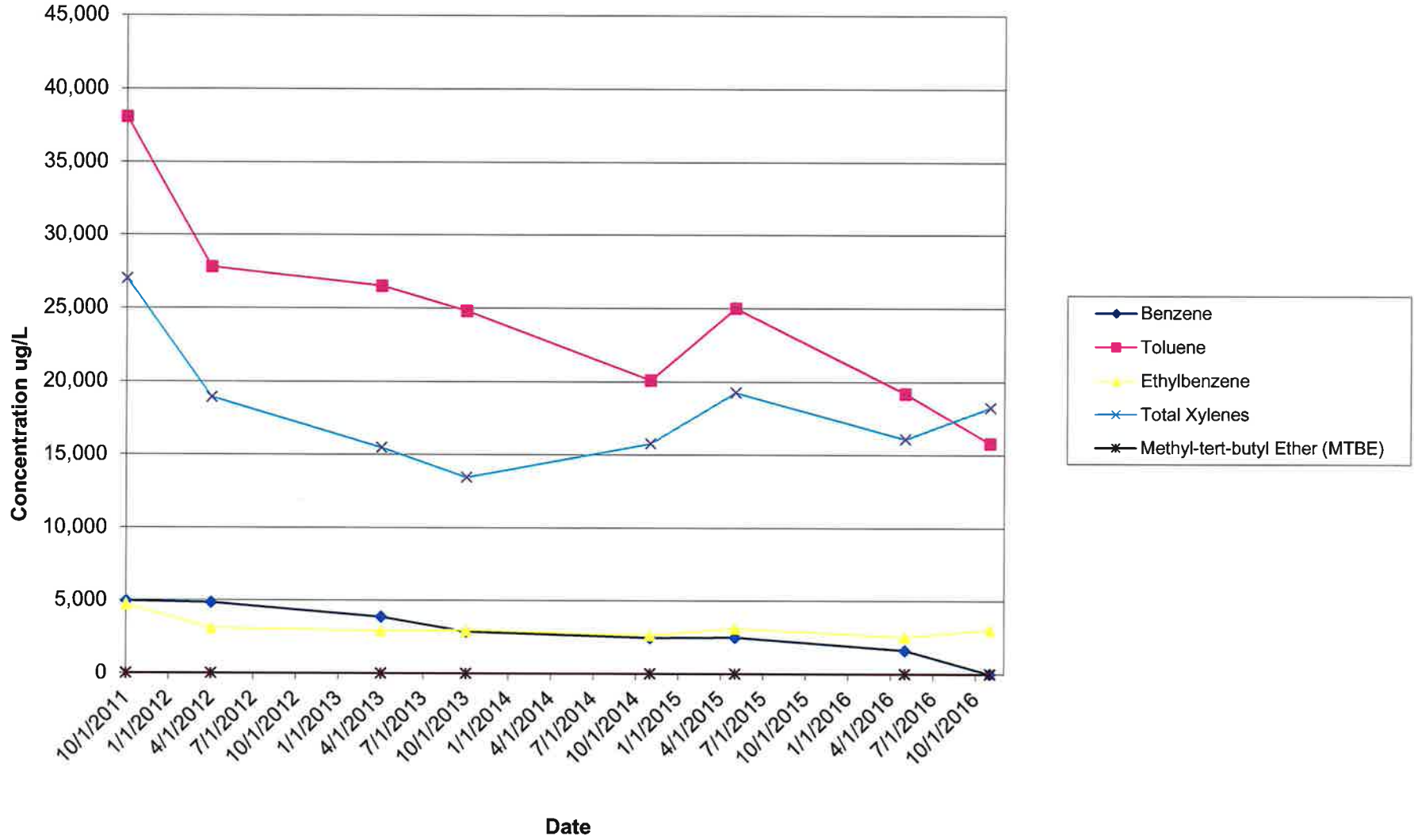
Concentration vs. Time - MW-7



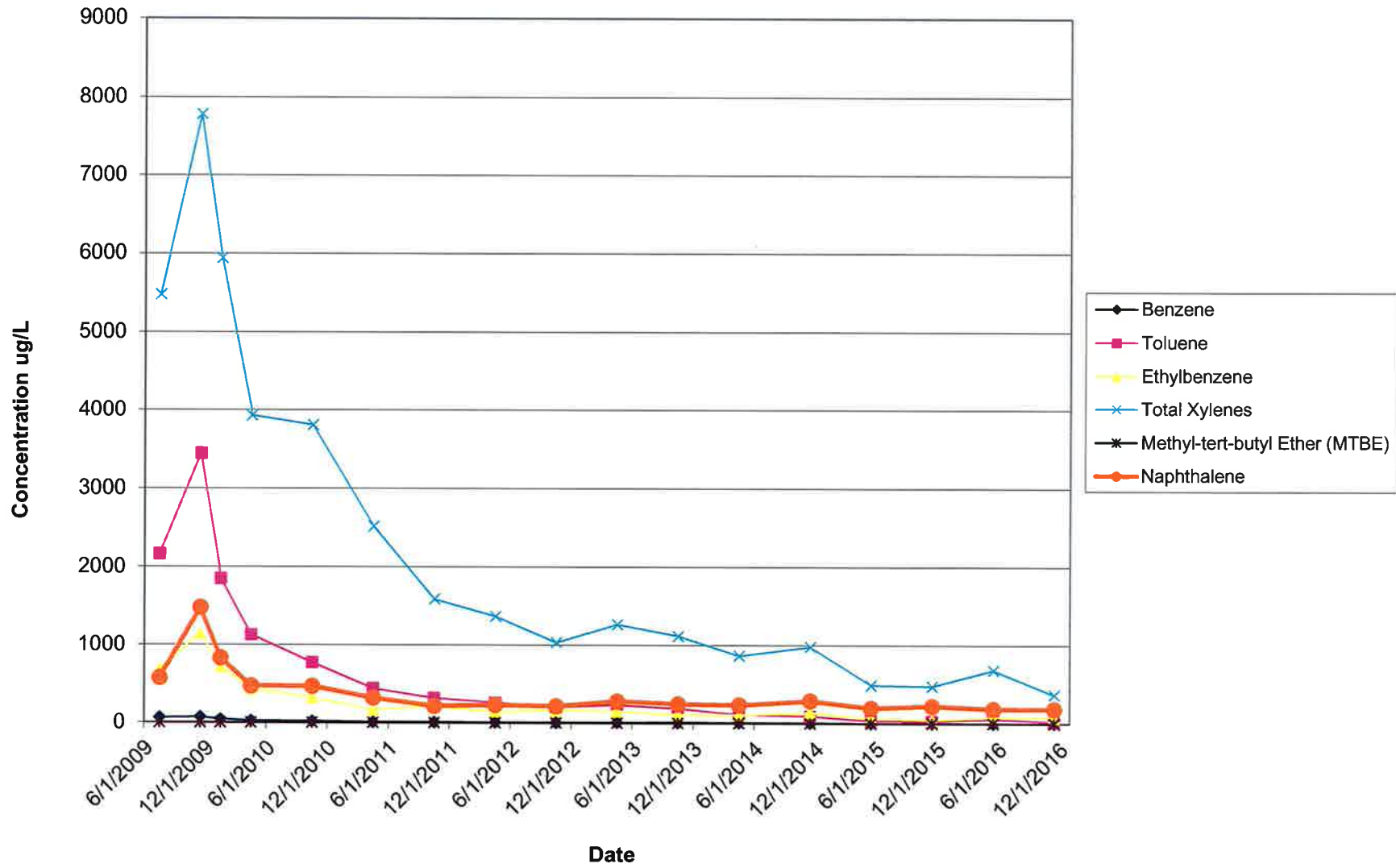
Concentration vs. Time - RW-1



Concentration vs. Time - RW-2



Concentration vs. Time - RW-4



APPENDIX A

November 15, 2016

Mr. James Gamertsfelder
Shield Engineering
4301 Taggart Creek Road
Charlotte, NC 28208

RE: Project: Times Turnaround #39
Pace Project No.: 92318606

Dear Mr. Gamertsfelder:

Enclosed are the analytical results for sample(s) received by the laboratory on November 04, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Nicole Gasiorowski
nicole.gasiorowski@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Times Turnaround #39
Pace Project No.: 92318606

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
Virginia/VELAP Certification #: 460221

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SAMPLE ANALYTE COUNT

Project: Times Turnaround #39
Pace Project No.: 92318606

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92318606001	MW-4	SM 6200B	CAH	63	PASI-C
92318606002	MW-6	SM 6200B	CAH	63	PASI-C
92318606003	MW-7	SM 6200B	CAH	63	PASI-C
92318606004	RW-1	SM 6200B	CAH	63	PASI-C
92318606005	RW-2	SM 6200B	CAH	63	PASI-C
92318606006	RW-3	SM 6200B	CAH	63	PASI-C
92318606007	RW-4	SM 6200B	CAH	63	PASI-C
92318606008	Trip Blank	SM 6200B	CAH	63	PASI-C

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SUMMARY OF DETECTION

Project: Times Turnaround #39
Pace Project No.: 92318606

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92318606001	MW-4					
SM 6200B	Benzene	6.5	ug/L	0.50	11/10/16 06:15	
SM 6200B	sec-Butylbenzene	6.2	ug/L	0.50	11/10/16 06:15	
SM 6200B	Diisopropyl ether	2.9	ug/L	0.50	11/10/16 06:15	
SM 6200B	Ethylbenzene	0.85	ug/L	0.50	11/10/16 06:15	
SM 6200B	Isopropylbenzene (Cumene)	5.9	ug/L	0.50	11/10/16 06:15	
SM 6200B	Methyl-tert-butyl ether	5.8	ug/L	0.50	11/10/16 06:15	
SM 6200B	n-Propylbenzene	7.2	ug/L	0.50	11/10/16 06:15	
SM 6200B	Toluene	0.62	ug/L	0.50	11/10/16 06:15	
SM 6200B	1,2,4-Trimethylbenzene	14.8	ug/L	0.50	11/10/16 06:15	
SM 6200B	1,3,5-Trimethylbenzene	12.6	ug/L	0.50	11/10/16 06:15	
SM 6200B	o-Xylene	0.63	ug/L	0.50	11/10/16 06:15	
92318606002	MW-6					
SM 6200B	1,2-Dichloroethane	0.56	ug/L	0.50	11/12/16 03:56	
SM 6200B	Diisopropyl ether	63.3	ug/L	0.50	11/12/16 03:56	
SM 6200B	Methyl-tert-butyl ether	155	ug/L	0.50	11/12/16 03:56	
SM 6200B	1,2,4-Trimethylbenzene	0.75	ug/L	0.50	11/12/16 03:56	
92318606003	MW-7					
SM 6200B	Benzene	5.2	ug/L	0.50	11/10/16 18:56	
SM 6200B	sec-Butylbenzene	2.4	ug/L	0.50	11/10/16 18:56	
SM 6200B	Diisopropyl ether	1.8	ug/L	0.50	11/10/16 18:56	
SM 6200B	Ethylbenzene	22.8	ug/L	0.50	11/10/16 18:56	
SM 6200B	Isopropylbenzene (Cumene)	2.2	ug/L	0.50	11/10/16 18:56	
SM 6200B	Methyl-tert-butyl ether	1.6	ug/L	0.50	11/10/16 18:56	
SM 6200B	Naphthalene	6.2	ug/L	2.0	11/10/16 18:56	
SM 6200B	n-Propylbenzene	2.9	ug/L	0.50	11/10/16 18:56	
92318606004	RW-1					
SM 6200B	Benzene	829	ug/L	10.0	11/10/16 20:37	
SM 6200B	Diisopropyl ether	13.0	ug/L	10.0	11/10/16 20:37	
SM 6200B	Ethylbenzene	1620	ug/L	10.0	11/10/16 20:37	
SM 6200B	Isopropylbenzene (Cumene)	55.6	ug/L	10.0	11/10/16 20:37	
SM 6200B	Naphthalene	622	ug/L	40.0	11/10/16 20:37	
SM 6200B	n-Propylbenzene	156	ug/L	10.0	11/10/16 20:37	
SM 6200B	Toluene	1430	ug/L	10.0	11/10/16 20:37	
SM 6200B	1,2,4-Trimethylbenzene	1590	ug/L	10.0	11/10/16 20:37	
SM 6200B	1,3,5-Trimethylbenzene	456	ug/L	10.0	11/10/16 20:37	
SM 6200B	m&p-Xylene	5790	ug/L	20.0	11/10/16 20:37	
SM 6200B	o-Xylene	1120	ug/L	10.0	11/10/16 20:37	
92318606005	RW-2					
SM 6200B	Ethylbenzene	3090	ug/L	62.5	11/10/16 03:26	
SM 6200B	Isopropylbenzene (Cumene)	84.0	ug/L	62.5	11/10/16 03:26	
SM 6200B	Naphthalene	1420	ug/L	250	11/10/16 03:26	
SM 6200B	n-Propylbenzene	267	ug/L	62.5	11/10/16 03:26	
SM 6200B	Styrene	76.1	ug/L	62.5	11/10/16 03:26	
SM 6200B	Toluene	15800	ug/L	62.5	11/10/16 03:26	
SM 6200B	1,2,4-Trimethylbenzene	2870	ug/L	62.5	11/10/16 03:26	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Times Turnaround #39
Pace Project No.: 92318606

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92318606005	RW-2					
SM 6200B	1,3,5-Trimethylbenzene	759	ug/L	62.5	11/10/16 03:26	
SM 6200B	m&p-Xylene	12400	ug/L	125	11/10/16 03:26	
SM 6200B	o-Xylene	5850	ug/L	62.5	11/10/16 03:26	
92318606006	RW-3					
SM 6200B	sec-Butylbenzene	1.2	ug/L	0.50	11/10/16 01:44	
SM 6200B	Diisopropyl ether	27.8	ug/L	0.50	11/10/16 01:44	
SM 6200B	Methyl-tert-butyl ether	8.9	ug/L	0.50	11/10/16 01:44	
92318606007	RW-4					
SM 6200B	sec-Butylbenzene	6.6	ug/L	2.5	11/10/16 05:07	
SM 6200B	Ethylbenzene	77.6	ug/L	2.5	11/10/16 05:07	
SM 6200B	Isopropylbenzene (Cumene)	26.3	ug/L	2.5	11/10/16 05:07	
SM 6200B	Naphthalene	187	ug/L	10.0	11/10/16 05:07	
SM 6200B	n-Propylbenzene	59.2	ug/L	2.5	11/10/16 05:07	
SM 6200B	Toluene	21.8	ug/L	2.5	11/10/16 05:07	
SM 6200B	1,2,4-Trimethylbenzene	641	ug/L	2.5	11/10/16 05:07	
SM 6200B	1,3,5-Trimethylbenzene	192	ug/L	2.5	11/10/16 05:07	
SM 6200B	m&p-Xylene	182	ug/L	5.0	11/10/16 05:07	
SM 6200B	o-Xylene	185	ug/L	2.5	11/10/16 05:07	

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PROJECT NARRATIVE

Project: Times Turnaround #39
Pace Project No.: 92318606

Method: SM 6200B
Description: 6200B MSV
Client: Shield
Date: November 15, 2016

General Information:

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

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

QC Batch: 336665

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92318745009

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1866903)
 - Dichlorodifluoromethane
- MSD (Lab ID: 1866904)
 - Dichlorodifluoromethane

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.: 92318606

Sample: MW-4 Lab ID: 92318606001 Collected: 11/04/16 12:00 Received: 11/04/16 14:11 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Benzene	6.5	ug/L	0.50	1		11/10/16 06:15	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		11/10/16 06:15	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		11/10/16 06:15	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		11/10/16 06:15	75-27-4	
Bromoform	ND	ug/L	0.50	1		11/10/16 06:15	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/10/16 06:15	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		11/10/16 06:15	104-51-8	
sec-Butylbenzene	6.2	ug/L	0.50	1		11/10/16 06:15	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		11/10/16 06:15	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		11/10/16 06:15	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		11/10/16 06:15	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/10/16 06:15	75-00-3	
Chloroform	ND	ug/L	0.50	1		11/10/16 06:15	67-66-3	
Chloromethane	ND	ug/L	1.0	1		11/10/16 06:15	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		11/10/16 06:15	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		11/10/16 06:15	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		11/10/16 06:15	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		11/10/16 06:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		11/10/16 06:15	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		11/10/16 06:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		11/10/16 06:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		11/10/16 06:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		11/10/16 06:15	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		11/10/16 06:15	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		11/10/16 06:15	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		11/10/16 06:15	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		11/10/16 06:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		11/10/16 06:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		11/10/16 06:15	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		11/10/16 06:15	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		11/10/16 06:15	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		11/10/16 06:15	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		11/10/16 06:15	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		11/10/16 06:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		11/10/16 06:15	10061-02-6	
Diisopropyl ether	2.9	ug/L	0.50	1		11/10/16 06:15	108-20-3	
Ethylbenzene	0.85	ug/L	0.50	1		11/10/16 06:15	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		11/10/16 06:15	87-68-3	
Isopropylbenzene (Cumene)	5.9	ug/L	0.50	1		11/10/16 06:15	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		11/10/16 06:15	75-09-2	
Methyl-tert-butyl ether	5.8	ug/L	0.50	1		11/10/16 06:15	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		11/10/16 06:15	91-20-3	
n-Propylbenzene	7.2	ug/L	0.50	1		11/10/16 06:15	103-65-1	
Styrene	ND	ug/L	0.50	1		11/10/16 06:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		11/10/16 06:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		11/10/16 06:15	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		11/10/16 06:15	127-18-4	

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92318606

Sample: MW-4		Lab ID: 92318606001	Collected: 11/04/16 12:00	Received: 11/04/16 14:11	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Toluene	0.62	ug/L	0.50	1		11/10/16 06:15	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		11/10/16 06:15	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		11/10/16 06:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		11/10/16 06:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		11/10/16 06:15	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		11/10/16 06:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/10/16 06:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		11/10/16 06:15	96-18-4	
1,2,4-Trimethylbenzene	14.8	ug/L	0.50	1		11/10/16 06:15	95-63-6	
1,3,5-Trimethylbenzene	12.6	ug/L	0.50	1		11/10/16 06:15	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		11/10/16 06:15	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1		11/10/16 06:15	179601-23-1	
o-Xylene	0.63	ug/L	0.50	1		11/10/16 06:15	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	93	%	70-130	1		11/10/16 06:15	17060-07-0	
4-Bromofluorobenzene (S)	98	%	70-130	1		11/10/16 06:15	460-00-4	
Toluene-d8 (S)	100	%	70-130	1		11/10/16 06:15	2037-26-5	

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92318606

Sample: MW-6		Lab ID: 92318606002	Collected: 11/04/16 11:45	Received: 11/04/16 14:11	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		11/12/16 03:56	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		11/12/16 03:56	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		11/12/16 03:56	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		11/12/16 03:56	75-27-4	
Bromoform	ND	ug/L	0.50	1		11/12/16 03:56	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/12/16 03:56	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		11/12/16 03:56	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		11/12/16 03:56	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		11/12/16 03:56	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		11/12/16 03:56	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		11/12/16 03:56	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/12/16 03:56	75-00-3	
Chloroform	ND	ug/L	0.50	1		11/12/16 03:56	67-66-3	
Chloromethane	ND	ug/L	1.0	1		11/12/16 03:56	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		11/12/16 03:56	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		11/12/16 03:56	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		11/12/16 03:56	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		11/12/16 03:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		11/12/16 03:56	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		11/12/16 03:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		11/12/16 03:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		11/12/16 03:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		11/12/16 03:56	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		11/12/16 03:56	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		11/12/16 03:56	75-34-3	
1,2-Dichloroethane	0.56	ug/L	0.50	1		11/12/16 03:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		11/12/16 03:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		11/12/16 03:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		11/12/16 03:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		11/12/16 03:56	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		11/12/16 03:56	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		11/12/16 03:56	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		11/12/16 03:56	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		11/12/16 03:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		11/12/16 03:56	10061-02-6	
Diisopropyl ether	63.3	ug/L	0.50	1		11/12/16 03:56	108-20-3	
Ethylbenzene	ND	ug/L	0.50	1		11/12/16 03:56	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		11/12/16 03:56	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		11/12/16 03:56	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		11/12/16 03:56	75-09-2	
Methyl-tert-butyl ether	155	ug/L	0.50	1		11/12/16 03:56	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		11/12/16 03:56	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		11/12/16 03:56	103-65-1	
Styrene	ND	ug/L	0.50	1		11/12/16 03:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		11/12/16 03:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		11/12/16 03:56	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		11/12/16 03:56	127-18-4	

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92318606

Sample: MW-6		Lab ID: 92318606002	Collected: 11/04/16 11:45	Received: 11/04/16 14:11	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		11/12/16 03:56	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		11/12/16 03:56	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		11/12/16 03:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		11/12/16 03:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		11/12/16 03:56	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		11/12/16 03:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/12/16 03:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		11/12/16 03:56	96-18-4	
1,2,4-Trimethylbenzene	0.75	ug/L	0.50	1		11/12/16 03:56	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		11/12/16 03:56	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		11/12/16 03:56	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1		11/12/16 03:56	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		11/12/16 03:56	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	91	%	70-130	1		11/12/16 03:56	17060-07-0	
4-Bromofluorobenzene (S)	96	%	70-130	1		11/12/16 03:56	460-00-4	
Toluene-d8 (S)	96	%	70-130	1		11/12/16 03:56	2037-26-5	

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92318606

Sample: MW-7 **Lab ID:** 92318606003 **Collected:** 11/04/16 11:55 **Received:** 11/04/16 14:11 **Matrix:** Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Benzene	5.2	ug/L	0.50	1		11/10/16 18:56	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		11/10/16 18:56	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		11/10/16 18:56	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		11/10/16 18:56	75-27-4	
Bromoform	ND	ug/L	0.50	1		11/10/16 18:56	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/10/16 18:56	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		11/10/16 18:56	104-51-8	
sec-Butylbenzene	2.4	ug/L	0.50	1		11/10/16 18:56	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		11/10/16 18:56	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		11/10/16 18:56	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		11/10/16 18:56	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/10/16 18:56	75-00-3	
Chloroform	ND	ug/L	0.50	1		11/10/16 18:56	67-66-3	
Chloromethane	ND	ug/L	1.0	1		11/10/16 18:56	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		11/10/16 18:56	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		11/10/16 18:56	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		11/10/16 18:56	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		11/10/16 18:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		11/10/16 18:56	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		11/10/16 18:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		11/10/16 18:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		11/10/16 18:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		11/10/16 18:56	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		11/10/16 18:56	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		11/10/16 18:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		11/10/16 18:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		11/10/16 18:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		11/10/16 18:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		11/10/16 18:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		11/10/16 18:56	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		11/10/16 18:56	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		11/10/16 18:56	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		11/10/16 18:56	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		11/10/16 18:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		11/10/16 18:56	10061-02-6	
Diisopropyl ether	1.8	ug/L	0.50	1		11/10/16 18:56	108-20-3	
Ethylbenzene	22.8	ug/L	0.50	1		11/10/16 18:56	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		11/10/16 18:56	87-68-3	
Isopropylbenzene (Cumene)	2.2	ug/L	0.50	1		11/10/16 18:56	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		11/10/16 18:56	75-09-2	
Methyl-tert-butyl ether	1.6	ug/L	0.50	1		11/10/16 18:56	1634-04-4	
Naphthalene	6.2	ug/L	2.0	1		11/10/16 18:56	91-20-3	
n-Propylbenzene	2.9	ug/L	0.50	1		11/10/16 18:56	103-65-1	
Styrene	ND	ug/L	0.50	1		11/10/16 18:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		11/10/16 18:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		11/10/16 18:56	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		11/10/16 18:56	127-18-4	

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92318606

Sample: MW-7		Lab ID: 92318606003	Collected: 11/04/16 11:55	Received: 11/04/16 14:11	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		11/10/16 18:56	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		11/10/16 18:56	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		11/10/16 18:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		11/10/16 18:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		11/10/16 18:56	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		11/10/16 18:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/10/16 18:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		11/10/16 18:56	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		11/10/16 18:56	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		11/10/16 18:56	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		11/10/16 18:56	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1		11/10/16 18:56	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		11/10/16 18:56	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		11/10/16 18:56	17060-07-0	
4-Bromofluorobenzene (S)	98	%	70-130	1		11/10/16 18:56	460-00-4	
Toluene-d8 (S)	101	%	70-130	1		11/10/16 18:56	2037-26-5	

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ANALYTICAL RESULTS

Project: Times Turnaround #39

Pace Project No.: 92318606

Sample: RW-1		Lab ID: 92318606004	Collected: 11/04/16 11:35	Received: 11/04/16 14:11	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Benzene	829	ug/L	10.0	20		11/10/16 20:37	71-43-2	
Bromobenzene	ND	ug/L	10.0	20		11/10/16 20:37	108-86-1	
Bromochloromethane	ND	ug/L	10.0	20		11/10/16 20:37	74-97-5	
Bromodichloromethane	ND	ug/L	10.0	20		11/10/16 20:37	75-27-4	
Bromoform	ND	ug/L	10.0	20		11/10/16 20:37	75-25-2	
Bromomethane	ND	ug/L	100	20		11/10/16 20:37	74-83-9	
n-Butylbenzene	ND	ug/L	10.0	20		11/10/16 20:37	104-51-8	
sec-Butylbenzene	ND	ug/L	10.0	20		11/10/16 20:37	135-98-8	
tert-Butylbenzene	ND	ug/L	10.0	20		11/10/16 20:37	98-06-6	
Carbon tetrachloride	ND	ug/L	10.0	20		11/10/16 20:37	56-23-5	
Chlorobenzene	ND	ug/L	10.0	20		11/10/16 20:37	108-90-7	
Chloroethane	ND	ug/L	20.0	20		11/10/16 20:37	75-00-3	
Chloroform	ND	ug/L	10.0	20		11/10/16 20:37	67-66-3	
Chloromethane	ND	ug/L	20.0	20		11/10/16 20:37	74-87-3	
2-Chlorotoluene	ND	ug/L	10.0	20		11/10/16 20:37	95-49-8	
4-Chlorotoluene	ND	ug/L	10.0	20		11/10/16 20:37	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	20.0	20		11/10/16 20:37	96-12-8	
Dibromochloromethane	ND	ug/L	10.0	20		11/10/16 20:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	10.0	20		11/10/16 20:37	106-93-4	
Dibromomethane	ND	ug/L	10.0	20		11/10/16 20:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	10.0	20		11/10/16 20:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	20		11/10/16 20:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	20		11/10/16 20:37	106-46-7	
Dichlorodifluoromethane	ND	ug/L	10.0	20		11/10/16 20:37	75-71-8	
1,1-Dichloroethane	ND	ug/L	10.0	20		11/10/16 20:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	10.0	20		11/10/16 20:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	10.0	20		11/10/16 20:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	10.0	20		11/10/16 20:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	10.0	20		11/10/16 20:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	10.0	20		11/10/16 20:37	78-87-5	
1,3-Dichloropropane	ND	ug/L	10.0	20		11/10/16 20:37	142-28-9	
2,2-Dichloropropane	ND	ug/L	10.0	20		11/10/16 20:37	594-20-7	
1,1-Dichloropropene	ND	ug/L	10.0	20		11/10/16 20:37	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	10.0	20		11/10/16 20:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	10.0	20		11/10/16 20:37	10061-02-6	
Diisopropyl ether	13.0	ug/L	10.0	20		11/10/16 20:37	108-20-3	
Ethylbenzene	1620	ug/L	10.0	20		11/10/16 20:37	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	40.0	20		11/10/16 20:37	87-68-3	
Isopropylbenzene (Cumene)	55.6	ug/L	10.0	20		11/10/16 20:37	98-82-8	
Methylene Chloride	ND	ug/L	40.0	20		11/10/16 20:37	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	10.0	20		11/10/16 20:37	1634-04-4	
Naphthalene	622	ug/L	40.0	20		11/10/16 20:37	91-20-3	
n-Propylbenzene	156	ug/L	10.0	20		11/10/16 20:37	103-65-1	
Styrene	ND	ug/L	10.0	20		11/10/16 20:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	10.0	20		11/10/16 20:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	10.0	20		11/10/16 20:37	79-34-5	
Tetrachloroethene	ND	ug/L	10.0	20		11/10/16 20:37	127-18-4	

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92318606

Sample: RW-1		Lab ID: 92318606004	Collected: 11/04/16 11:35	Received: 11/04/16 14:11	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Toluene	1430	ug/L	10.0	20		11/10/16 20:37	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	40.0	20		11/10/16 20:37	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	40.0	20		11/10/16 20:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	10.0	20		11/10/16 20:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	10.0	20		11/10/16 20:37	79-00-5	
Trichloroethene	ND	ug/L	10.0	20		11/10/16 20:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	20.0	20		11/10/16 20:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	10.0	20		11/10/16 20:37	96-18-4	
1,2,4-Trimethylbenzene	1590	ug/L	10.0	20		11/10/16 20:37	95-63-6	
1,3,5-Trimethylbenzene	456	ug/L	10.0	20		11/10/16 20:37	108-67-8	
Vinyl chloride	ND	ug/L	20.0	20		11/10/16 20:37	75-01-4	
m&p-Xylene	5790	ug/L	20.0	20		11/10/16 20:37	179601-23-1	
o-Xylene	1120	ug/L	10.0	20		11/10/16 20:37	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	92	%	70-130	20		11/10/16 20:37	17060-07-0	
4-Bromofluorobenzene (S)	100	%	70-130	20		11/10/16 20:37	460-00-4	
Toluene-d8 (S)	97	%	70-130	20		11/10/16 20:37	2037-26-5	

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92318606

Sample: RW-2		Lab ID: 92318606005	Collected: 11/04/16 11:30	Received: 11/04/16 14:11	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6200B MSV		Analytical Method: SM 6200B							
Benzene	ND	ug/L	62.5	125		11/10/16 03:26	71-43-2		
Bromobenzene	ND	ug/L	62.5	125		11/10/16 03:26	108-86-1		
Bromochloromethane	ND	ug/L	62.5	125		11/10/16 03:26	74-97-5		
Bromodichloromethane	ND	ug/L	62.5	125		11/10/16 03:26	75-27-4		
Bromoform	ND	ug/L	62.5	125		11/10/16 03:26	75-25-2		
Bromomethane	ND	ug/L	62.5	125		11/10/16 03:26	74-83-9		
n-Butylbenzene	ND	ug/L	62.5	125		11/10/16 03:26	104-51-8		
sec-Butylbenzene	ND	ug/L	62.5	125		11/10/16 03:26	135-98-8		
tert-Butylbenzene	ND	ug/L	62.5	125		11/10/16 03:26	98-06-6		
Carbon tetrachloride	ND	ug/L	62.5	125		11/10/16 03:26	56-23-5		
Chlorobenzene	ND	ug/L	62.5	125		11/10/16 03:26	108-90-7		
Chloroethane	ND	ug/L	125	125		11/10/16 03:26	75-00-3		
Chloroform	ND	ug/L	62.5	125		11/10/16 03:26	67-66-3		
Chloromethane	ND	ug/L	125	125		11/10/16 03:26	74-87-3		
2-Chlorotoluene	ND	ug/L	62.5	125		11/10/16 03:26	95-49-8		
4-Chlorotoluene	ND	ug/L	62.5	125		11/10/16 03:26	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	125	125		11/10/16 03:26	96-12-8		
Dibromochloromethane	ND	ug/L	62.5	125		11/10/16 03:26	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	62.5	125		11/10/16 03:26	106-93-4		
Dibromomethane	ND	ug/L	62.5	125		11/10/16 03:26	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	62.5	125		11/10/16 03:26	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	62.5	125		11/10/16 03:26	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	62.5	125		11/10/16 03:26	106-46-7		
Dichlorodifluoromethane	ND	ug/L	62.5	125		11/10/16 03:26	75-71-8		
1,1-Dichloroethane	ND	ug/L	62.5	125		11/10/16 03:26	75-34-3		
1,2-Dichloroethane	ND	ug/L	62.5	125		11/10/16 03:26	107-06-2		
1,1-Dichloroethene	ND	ug/L	62.5	125		11/10/16 03:26	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	62.5	125		11/10/16 03:26	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	62.5	125		11/10/16 03:26	156-60-5		
1,2-Dichloropropane	ND	ug/L	62.5	125		11/10/16 03:26	78-87-5		
1,3-Dichloropropane	ND	ug/L	62.5	125		11/10/16 03:26	142-28-9		
2,2-Dichloropropane	ND	ug/L	62.5	125		11/10/16 03:26	594-20-7		
1,1-Dichloropropene	ND	ug/L	62.5	125		11/10/16 03:26	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	62.5	125		11/10/16 03:26	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	62.5	125		11/10/16 03:26	10061-02-6		
Diisopropyl ether	ND	ug/L	62.5	125		11/10/16 03:26	108-20-3		
Ethylbenzene	3090	ug/L	62.5	125		11/10/16 03:26	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	250	125		11/10/16 03:26	87-68-3		
Isopropylbenzene (Cumene)	84.0	ug/L	62.5	125		11/10/16 03:26	98-82-8		
Methylene Chloride	ND	ug/L	250	125		11/10/16 03:26	75-09-2		
Methyl-tert-butyl ether	ND	ug/L	62.5	125		11/10/16 03:26	1634-04-4		
Naphthalene	1420	ug/L	250	125		11/10/16 03:26	91-20-3		
n-Propylbenzene	267	ug/L	62.5	125		11/10/16 03:26	103-65-1		
Styrene	76.1	ug/L	62.5	125		11/10/16 03:26	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	62.5	125		11/10/16 03:26	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	62.5	125		11/10/16 03:26	79-34-5		
Tetrachloroethene	ND	ug/L	62.5	125		11/10/16 03:26	127-18-4		

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92318606

Sample: RW-2		Lab ID: 92318606005	Collected: 11/04/16 11:30	Received: 11/04/16 14:11	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Toluene	15800	ug/L	62.5	125		11/10/16 03:26	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	250	125		11/10/16 03:26	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	250	125		11/10/16 03:26	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	62.5	125		11/10/16 03:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	62.5	125		11/10/16 03:26	79-00-5	
Trichloroethene	ND	ug/L	62.5	125		11/10/16 03:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	125	125		11/10/16 03:26	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	62.5	125		11/10/16 03:26	96-18-4	
1,2,4-Trimethylbenzene	2870	ug/L	62.5	125		11/10/16 03:26	95-63-6	
1,3,5-Trimethylbenzene	759	ug/L	62.5	125		11/10/16 03:26	108-67-8	
Vinyl chloride	ND	ug/L	125	125		11/10/16 03:26	75-01-4	
m&p-Xylene	12400	ug/L	125	125		11/10/16 03:26	179601-23-1	
o-Xylene	5850	ug/L	62.5	125		11/10/16 03:26	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	93	%	70-130	125		11/10/16 03:26	17060-07-0	
4-Bromofluorobenzene (S)	100	%	70-130	125		11/10/16 03:26	460-00-4	
Toluene-d8 (S)	98	%	70-130	125		11/10/16 03:26	2037-26-5	

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92318606

Sample: RW-3	Lab ID: 92318606006	Collected: 11/04/16 11:50	Received: 11/04/16 14:11	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		11/10/16 01:44	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		11/10/16 01:44	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		11/10/16 01:44	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		11/10/16 01:44	75-27-4	
Bromoform	ND	ug/L	0.50	1		11/10/16 01:44	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/10/16 01:44	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		11/10/16 01:44	104-51-8	
sec-Butylbenzene	1.2	ug/L	0.50	1		11/10/16 01:44	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		11/10/16 01:44	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		11/10/16 01:44	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		11/10/16 01:44	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/10/16 01:44	75-00-3	
Chloroform	ND	ug/L	0.50	1		11/10/16 01:44	67-66-3	
Chloromethane	ND	ug/L	1.0	1		11/10/16 01:44	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		11/10/16 01:44	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		11/10/16 01:44	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		11/10/16 01:44	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		11/10/16 01:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		11/10/16 01:44	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		11/10/16 01:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		11/10/16 01:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		11/10/16 01:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		11/10/16 01:44	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		11/10/16 01:44	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		11/10/16 01:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		11/10/16 01:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		11/10/16 01:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		11/10/16 01:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		11/10/16 01:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		11/10/16 01:44	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		11/10/16 01:44	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		11/10/16 01:44	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		11/10/16 01:44	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		11/10/16 01:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		11/10/16 01:44	10061-02-6	
Diisopropyl ether	27.8	ug/L	0.50	1		11/10/16 01:44	108-20-3	
Ethylbenzene	ND	ug/L	0.50	1		11/10/16 01:44	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		11/10/16 01:44	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		11/10/16 01:44	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		11/10/16 01:44	75-09-2	
Methyl-tert-butyl ether	8.9	ug/L	0.50	1		11/10/16 01:44	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		11/10/16 01:44	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		11/10/16 01:44	103-65-1	
Styrene	ND	ug/L	0.50	1		11/10/16 01:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		11/10/16 01:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		11/10/16 01:44	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		11/10/16 01:44	127-18-4	

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92318606

Sample: RW-3		Lab ID: 92318606006	Collected: 11/04/16 11:50	Received: 11/04/16 14:11	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		11/10/16 01:44	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		11/10/16 01:44	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		11/10/16 01:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		11/10/16 01:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		11/10/16 01:44	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		11/10/16 01:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/10/16 01:44	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		11/10/16 01:44	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		11/10/16 01:44	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		11/10/16 01:44	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		11/10/16 01:44	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1		11/10/16 01:44	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		11/10/16 01:44	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		11/10/16 01:44	17060-07-0	
4-Bromofluorobenzene (S)	95	%	70-130	1		11/10/16 01:44	460-00-4	
Toluene-d8 (S)	99	%	70-130	1		11/10/16 01:44	2037-26-5	

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ANALYTICAL RESULTS

Project: Times Turnaround #39

Pace Project No.: 92318606

Sample: RW-4	Lab ID: 92318606007	Collected: 11/04/16 11:40	Received: 11/04/16 14:11	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Benzene	ND	ug/L	2.5	5		11/10/16 05:07	71-43-2	
Bromobenzene	ND	ug/L	2.5	5		11/10/16 05:07	108-86-1	
Bromochloromethane	ND	ug/L	2.5	5		11/10/16 05:07	74-97-5	
Bromodichloromethane	ND	ug/L	2.5	5		11/10/16 05:07	75-27-4	
Bromoform	ND	ug/L	2.5	5		11/10/16 05:07	75-25-2	
Bromomethane	ND	ug/L	25.0	5		11/10/16 05:07	74-83-9	
n-Butylbenzene	ND	ug/L	2.5	5		11/10/16 05:07	104-51-8	
sec-Butylbenzene	6.6	ug/L	2.5	5		11/10/16 05:07	135-98-8	
tert-Butylbenzene	ND	ug/L	2.5	5		11/10/16 05:07	98-06-6	
Carbon tetrachloride	ND	ug/L	2.5	5		11/10/16 05:07	56-23-5	
Chlorobenzene	ND	ug/L	2.5	5		11/10/16 05:07	108-90-7	
Chloroethane	ND	ug/L	5.0	5		11/10/16 05:07	75-00-3	
Chloroform	ND	ug/L	2.5	5		11/10/16 05:07	67-66-3	
Chloromethane	ND	ug/L	5.0	5		11/10/16 05:07	74-87-3	
2-Chlorotoluene	ND	ug/L	2.5	5		11/10/16 05:07	95-49-8	
4-Chlorotoluene	ND	ug/L	2.5	5		11/10/16 05:07	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	5		11/10/16 05:07	96-12-8	
Dibromochloromethane	ND	ug/L	2.5	5		11/10/16 05:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2.5	5		11/10/16 05:07	106-93-4	
Dibromomethane	ND	ug/L	2.5	5		11/10/16 05:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.5	5		11/10/16 05:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.5	5		11/10/16 05:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.5	5		11/10/16 05:07	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.5	5		11/10/16 05:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	2.5	5		11/10/16 05:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	2.5	5		11/10/16 05:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	2.5	5		11/10/16 05:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	2.5	5		11/10/16 05:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2.5	5		11/10/16 05:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	2.5	5		11/10/16 05:07	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.5	5		11/10/16 05:07	142-28-9	
2,2-Dichloropropane	ND	ug/L	2.5	5		11/10/16 05:07	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.5	5		11/10/16 05:07	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	2.5	5		11/10/16 05:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	2.5	5		11/10/16 05:07	10061-02-6	
Diisopropyl ether	ND	ug/L	2.5	5		11/10/16 05:07	108-20-3	
Ethylbenzene	77.6	ug/L	2.5	5		11/10/16 05:07	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	5		11/10/16 05:07	87-68-3	
Isopropylbenzene (Cumene)	26.3	ug/L	2.5	5		11/10/16 05:07	98-82-8	
Methylene Chloride	ND	ug/L	10.0	5		11/10/16 05:07	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	2.5	5		11/10/16 05:07	1634-04-4	
Naphthalene	187	ug/L	10.0	5		11/10/16 05:07	91-20-3	
n-Propylbenzene	59.2	ug/L	2.5	5		11/10/16 05:07	103-65-1	
Styrene	ND	ug/L	2.5	5		11/10/16 05:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.5	5		11/10/16 05:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.5	5		11/10/16 05:07	79-34-5	
Tetrachloroethene	ND	ug/L	2.5	5		11/10/16 05:07	127-18-4	

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92318606

Sample: RW-4		Lab ID: 92318606007	Collected: 11/04/16 11:40	Received: 11/04/16 14:11	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV		Analytical Method: SM 6200B						
Toluene	21.8	ug/L	2.5	5		11/10/16 05:07	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	10.0	5		11/10/16 05:07	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	5		11/10/16 05:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2.5	5		11/10/16 05:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2.5	5		11/10/16 05:07	79-00-5	
Trichloroethene	ND	ug/L	2.5	5		11/10/16 05:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	5		11/10/16 05:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	5		11/10/16 05:07	96-18-4	
1,2,4-Trimethylbenzene	641	ug/L	2.5	5		11/10/16 05:07	95-63-6	
1,3,5-Trimethylbenzene	192	ug/L	2.5	5		11/10/16 05:07	108-67-8	
Vinyl chloride	ND	ug/L	5.0	5		11/10/16 05:07	75-01-4	
m&p-Xylene	182	ug/L	5.0	5		11/10/16 05:07	179601-23-1	
o-Xylene	185	ug/L	2.5	5		11/10/16 05:07	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	92	%	70-130	5		11/10/16 05:07	17060-07-0	
4-Bromofluorobenzene (S)	98	%	70-130	5		11/10/16 05:07	460-00-4	
Toluene-d8 (S)	100	%	70-130	5		11/10/16 05:07	2037-26-5	

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92318606

Sample:	Lab ID:	Collected:	Received:	Matrix:				
Trip Blank	92318606008	11/04/16 00:00	11/04/16 14:11	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		11/10/16 02:01	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		11/10/16 02:01	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		11/10/16 02:01	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		11/10/16 02:01	75-27-4	
Bromoform	ND	ug/L	0.50	1		11/10/16 02:01	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/10/16 02:01	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		11/10/16 02:01	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		11/10/16 02:01	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		11/10/16 02:01	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		11/10/16 02:01	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		11/10/16 02:01	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/10/16 02:01	75-00-3	
Chloroform	ND	ug/L	0.50	1		11/10/16 02:01	67-66-3	
Chloromethane	ND	ug/L	1.0	1		11/10/16 02:01	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		11/10/16 02:01	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		11/10/16 02:01	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		11/10/16 02:01	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		11/10/16 02:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		11/10/16 02:01	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		11/10/16 02:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		11/10/16 02:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		11/10/16 02:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		11/10/16 02:01	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		11/10/16 02:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		11/10/16 02:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		11/10/16 02:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		11/10/16 02:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		11/10/16 02:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		11/10/16 02:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		11/10/16 02:01	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		11/10/16 02:01	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		11/10/16 02:01	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		11/10/16 02:01	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		11/10/16 02:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		11/10/16 02:01	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	1		11/10/16 02:01	108-20-3	
Ethylbenzene	ND	ug/L	0.50	1		11/10/16 02:01	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		11/10/16 02:01	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		11/10/16 02:01	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		11/10/16 02:01	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		11/10/16 02:01	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		11/10/16 02:01	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		11/10/16 02:01	103-65-1	
Styrene	ND	ug/L	0.50	1		11/10/16 02:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		11/10/16 02:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		11/10/16 02:01	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		11/10/16 02:01	127-18-4	

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ANALYTICAL RESULTS

Project: Times Turnaround #39
Pace Project No.: 92318606

Sample: Trip Blank		Lab ID: 92318606008	Collected: 11/04/16 00:00	Received: 11/04/16 14:11	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		11/10/16 02:01	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		11/10/16 02:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		11/10/16 02:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		11/10/16 02:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		11/10/16 02:01	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		11/10/16 02:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/10/16 02:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		11/10/16 02:01	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		11/10/16 02:01	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		11/10/16 02:01	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		11/10/16 02:01	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1		11/10/16 02:01	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		11/10/16 02:01	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	90	%	70-130	1		11/10/16 02:01	17060-07-0	
4-Bromofluorobenzene (S)	96	%	70-130	1		11/10/16 02:01	460-00-4	
Toluene-d8 (S)	99	%	70-130	1		11/10/16 02:01	2037-26-5	

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QUALITY CONTROL DATA

Project: Times Turnaround #39
Pace Project No.: 92318606

QC Batch: 336267 Analysis Method: SM 6200B
QC Batch Method: SM 6200B Analysis Description: 6200B MSV
Associated Lab Samples: 92318606001, 92318606005, 92318606006, 92318606007, 92318606008

METHOD BLANK: 1864673 Matrix: Water
Associated Lab Samples: 92318606001, 92318606005, 92318606006, 92318606007, 92318606008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	11/10/16 00:37	
1,1,1-Trichloroethane	ug/L	ND	0.50	11/10/16 00:37	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	11/10/16 00:37	
1,1,2-Trichloroethane	ug/L	ND	0.50	11/10/16 00:37	
1,1-Dichloroethane	ug/L	ND	0.50	11/10/16 00:37	
1,1-Dichloroethene	ug/L	ND	0.50	11/10/16 00:37	
1,1-Dichloropropene	ug/L	ND	0.50	11/10/16 00:37	
1,2,3-Trichlorobenzene	ug/L	ND	2.0	11/10/16 00:37	
1,2,3-Trichloropropane	ug/L	ND	0.50	11/10/16 00:37	
1,2,4-Trichlorobenzene	ug/L	ND	2.0	11/10/16 00:37	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	11/10/16 00:37	
1,2-Dibromo-3-chloropropane	ug/L	ND	1.0	11/10/16 00:37	
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	11/10/16 00:37	
1,2-Dichlorobenzene	ug/L	ND	0.50	11/10/16 00:37	
1,2-Dichloroethane	ug/L	ND	0.50	11/10/16 00:37	
1,2-Dichloropropane	ug/L	ND	0.50	11/10/16 00:37	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	11/10/16 00:37	
1,3-Dichlorobenzene	ug/L	ND	0.50	11/10/16 00:37	
1,3-Dichloropropane	ug/L	ND	0.50	11/10/16 00:37	
1,4-Dichlorobenzene	ug/L	ND	0.50	11/10/16 00:37	
2,2-Dichloropropane	ug/L	ND	0.50	11/10/16 00:37	
2-Chlorotoluene	ug/L	ND	0.50	11/10/16 00:37	
4-Chlorotoluene	ug/L	ND	0.50	11/10/16 00:37	
Benzene	ug/L	ND	0.50	11/10/16 00:37	
Bromobenzene	ug/L	ND	0.50	11/10/16 00:37	
Bromochloromethane	ug/L	ND	0.50	11/10/16 00:37	
Bromodichloromethane	ug/L	ND	0.50	11/10/16 00:37	
Bromoform	ug/L	ND	0.50	11/10/16 00:37	
Bromomethane	ug/L	ND	5.0	11/10/16 00:37	
Carbon tetrachloride	ug/L	ND	0.50	11/10/16 00:37	
Chlorobenzene	ug/L	ND	0.50	11/10/16 00:37	
Chloroethane	ug/L	ND	1.0	11/10/16 00:37	
Chloroform	ug/L	ND	0.50	11/10/16 00:37	
Chloromethane	ug/L	ND	1.0	11/10/16 00:37	
cis-1,2-Dichloroethene	ug/L	ND	0.50	11/10/16 00:37	
cis-1,3-Dichloropropene	ug/L	ND	0.50	11/10/16 00:37	
Dibromochloromethane	ug/L	ND	0.50	11/10/16 00:37	
Dibromomethane	ug/L	ND	0.50	11/10/16 00:37	
Dichlorodifluoromethane	ug/L	ND	0.50	11/10/16 00:37	
Diisopropyl ether	ug/L	ND	0.50	11/10/16 00:37	
Ethylbenzene	ug/L	ND	0.50	11/10/16 00:37	

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

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QUALITY CONTROL DATA

Project: Times Turnaround #39
Pace Project No.: 92318606

METHOD BLANK: 1864673 Matrix: Water
Associated Lab Samples: 92318606001, 92318606005, 92318606006, 92318606007, 92318606008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	2.0	11/10/16 00:37	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	11/10/16 00:37	
m&p-Xylene	ug/L	ND	1.0	11/10/16 00:37	
Methyl-tert-butyl ether	ug/L	ND	0.50	11/10/16 00:37	
Methylene Chloride	ug/L	ND	2.0	11/10/16 00:37	
n-Butylbenzene	ug/L	ND	0.50	11/10/16 00:37	
n-Propylbenzene	ug/L	ND	0.50	11/10/16 00:37	
Naphthalene	ug/L	ND	2.0	11/10/16 00:37	
o-Xylene	ug/L	ND	0.50	11/10/16 00:37	
sec-Butylbenzene	ug/L	ND	0.50	11/10/16 00:37	
Styrene	ug/L	ND	0.50	11/10/16 00:37	
tert-Butylbenzene	ug/L	ND	0.50	11/10/16 00:37	
Tetrachloroethene	ug/L	ND	0.50	11/10/16 00:37	
Toluene	ug/L	ND	0.50	11/10/16 00:37	
trans-1,2-Dichloroethene	ug/L	ND	0.50	11/10/16 00:37	
trans-1,3-Dichloropropene	ug/L	ND	0.50	11/10/16 00:37	
Trichloroethene	ug/L	ND	0.50	11/10/16 00:37	
Trichlorofluoromethane	ug/L	ND	1.0	11/10/16 00:37	
Vinyl chloride	ug/L	ND	1.0	11/10/16 00:37	
1,2-Dichloroethane-d4 (S)	%	93	70-130	11/10/16 00:37	
4-Bromofluorobenzene (S)	%	97	70-130	11/10/16 00:37	
Toluene-d8 (S)	%	98	70-130	11/10/16 00:37	

LABORATORY CONTROL SAMPLE: 1864674

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	47.7	95	60-140	
1,1,1-Trichloroethane	ug/L	50	45.1	90	60-140	
1,1,2,2-Tetrachloroethane	ug/L	50	47.7	95	60-140	
1,1,2-Trichloroethane	ug/L	50	46.9	94	60-140	
1,1-Dichloroethane	ug/L	50	46.2	92	60-140	
1,1-Dichloroethene	ug/L	50	50.2	100	60-140	
1,1-Dichloropropene	ug/L	50	46.6	93	60-140	
1,2,3-Trichlorobenzene	ug/L	50	52.7	105	60-140	
1,2,3-Trichloropropane	ug/L	50	44.5	89	60-140	
1,2,4-Trichlorobenzene	ug/L	50	52.3	105	60-140	
1,2,4-Trimethylbenzene	ug/L	50	49.5	99	60-140	
1,2-Dibromo-3-chloropropane	ug/L	50	45.7	91	60-140	
1,2-Dibromoethane (EDB)	ug/L	50	48.3	97	60-140	
1,2-Dichlorobenzene	ug/L	50	50.8	102	60-140	
1,2-Dichloroethane	ug/L	50	40.2	80	60-140	
1,2-Dichloropropane	ug/L	50	45.6	91	60-140	
1,3,5-Trimethylbenzene	ug/L	50	48.9	98	60-140	
1,3-Dichlorobenzene	ug/L	50	49.8	100	60-140	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Times Turnaround #39
Pace Project No.: 92318606

LABORATORY CONTROL SAMPLE: 1864674

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	45.4	91	60-140	
1,4-Dichlorobenzene	ug/L	50	48.2	96	60-140	
2,2-Dichloropropane	ug/L	50	43.5	87	60-140	
2-Chlorotoluene	ug/L	50	48.4	97	60-140	
4-Chlorotoluene	ug/L	50	47.4	95	60-140	
Benzene	ug/L	50	49.9	100	60-140	
Bromobenzene	ug/L	50	47.6	95	60-140	
Bromochloromethane	ug/L	50	47.3	95	60-140	
Bromodichloromethane	ug/L	50	46.9	94	60-140	
Bromoform	ug/L	50	47.5	95	60-140	
Bromomethane	ug/L	50	40.3	81	60-140	
Carbon tetrachloride	ug/L	50	49.7	99	60-140	
Chlorobenzene	ug/L	50	46.2	92	60-140	
Chloroethane	ug/L	50	40.8	82	60-140	
Chloroform	ug/L	50	44.3	89	60-140	
Chloromethane	ug/L	50	45.3	91	60-140	
cis-1,2-Dichloroethene	ug/L	50	45.2	90	60-140	
cis-1,3-Dichloropropene	ug/L	50	45.6	91	60-140	
Dibromochloromethane	ug/L	50	47.4	95	60-140	
Dibromomethane	ug/L	50	45.7	91	60-140	
Dichlorodifluoromethane	ug/L	50	43.6	87	60-140	
Diisopropyl ether	ug/L	50	51.1	102	60-140	
Ethylbenzene	ug/L	50	47.9	96	60-140	
Hexachloro-1,3-butadiene	ug/L	50	50.4	101	60-140	
Isopropylbenzene (Cumene)	ug/L	50	48.3	97	60-140	
m&p-Xylene	ug/L	100	94.5	95	60-140	
Methyl-tert-butyl ether	ug/L	50	48.4	97	60-140	
Methylene Chloride	ug/L	50	52.6	105	60-140	
n-Butylbenzene	ug/L	50	49.3	99	60-140	
n-Propylbenzene	ug/L	50	49.9	100	60-140	
Naphthalene	ug/L	50	51.3	103	60-140	
o-Xylene	ug/L	50	46.8	94	60-140	
sec-Butylbenzene	ug/L	50	49.5	99	60-140	
Styrene	ug/L	50	48.0	96	60-140	
tert-Butylbenzene	ug/L	50	42.9	86	60-140	
Tetrachloroethene	ug/L	50	39.7	79	60-140	
Toluene	ug/L	50	45.7	91	60-140	
trans-1,2-Dichloroethene	ug/L	50	48.3	97	60-140	
trans-1,3-Dichloropropene	ug/L	50	46.0	92	60-140	
Trichloroethene	ug/L	50	46.3	93	60-140	
Trichlorofluoromethane	ug/L	50	45.9	92	60-140	
Vinyl chloride	ug/L	50	41.6	83	60-140	
1,2-Dichloroethane-d4 (S)	%				93	70-130
4-Bromofluorobenzene (S)	%				100	70-130
Toluene-d8 (S)	%				98	70-130

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Times Turnaround #39
Pace Project No.: 92318606

Parameter	92318826002		MS	MSD	1864675		1864676		% Rec	% Rec	Limits	RPD	Qual
	Units	Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	20.3	19.7	102	99	60-140	3			
1,1,1-Trichloroethane	ug/L	ND	20	20	20.8	20.7	104	103	60-140	0			
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	19.4	19.0	97	95	60-140	2			
1,1,2-Trichloroethane	ug/L	ND	20	20	19.3	19.3	96	96	60-140	0			
1,1-Dichloroethane	ug/L	ND	20	20	20.3	20.7	101	104	60-140	2			
1,1-Dichloroethene	ug/L	ND	20	20	23.5	23.9	117	120	60-140	2			
1,1-Dichloropropene	ug/L	ND	20	20	21.5	21.8	108	109	60-140	1			
1,2,3-Trichlorobenzene	ug/L	ND	20	20	24.8	23.9	124	119	60-140	4			
1,2,3-Trichloropropane	ug/L	ND	20	20	18.4	18.1	92	90	60-140	2			
1,2,4-Trichlorobenzene	ug/L	ND	20	20	23.0	22.0	115	110	60-140	5			
1,2,4-Trimethylbenzene	ug/L	1.0	20	20	21.8	21.6	104	103	60-140	1			
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	20.0	17.8	100	89	60-140	12			
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	20.2	19.8	101	99	60-140	2			
1,2-Dichlorobenzene	ug/L	ND	20	20	21.6	20.7	108	104	60-140	4			
1,2-Dichloroethane	ug/L	ND	20	20	17.7	17.4	87	86	60-140	2			
1,2-Dichloropropane	ug/L	ND	20	20	19.7	19.4	99	97	60-140	1			
1,3,5-Trimethylbenzene	ug/L	ND	20	20	21.6	20.7	106	101	60-140	4			
1,3-Dichlorobenzene	ug/L	ND	20	20	21.1	20.2	106	101	60-140	4			
1,3-Dichloropropane	ug/L	ND	20	20	19.0	19.2	95	96	60-140	1			
1,4-Dichlorobenzene	ug/L	ND	20	20	20.4	19.9	102	99	60-140	3			
2,2-Dichloropropane	ug/L	ND	20	20	19.6	19.9	98	99	60-140	2			
2-Chlorotoluene	ug/L	ND	20	20	20.6	19.8	103	99	60-140	4			
4-Chlorotoluene	ug/L	ND	20	20	20.5	19.6	103	98	60-140	4			
Benzene	ug/L	ND	20	20	21.3	21.4	106	106	60-140	1			
Bromobenzene	ug/L	ND	20	20	20.5	19.6	102	98	60-140	5			
Bromochloromethane	ug/L	ND	20	20	19.9	20.2	99	101	60-140	1			
Bromodichloromethane	ug/L	ND	20	20	20.1	19.5	100	98	60-140	3			
Bromoform	ug/L	ND	20	20	18.8	18.3	94	91	60-140	3			
Bromomethane	ug/L	ND	20	20	15.7	15.6	78	78	60-140	0			
Carbon tetrachloride	ug/L	ND	20	20	22.6	22.8	113	114	60-140	1			
Chlorobenzene	ug/L	ND	20	20	20.3	19.8	101	99	60-140	3			
Chloroethane	ug/L	ND	20	20	18.6	18.4	93	92	60-140	1			
Chloroform	ug/L	ND	20	20	18.9	19.9	95	99	60-140	5			
Chloromethane	ug/L	ND	20	20	22.5	20.9	111	103	60-140	7			
cis-1,2-Dichloroethene	ug/L	ND	20	20	19.9	20.1	99	101	60-140	1			
cis-1,3-Dichloropropene	ug/L	ND	20	20	19.4	18.7	97	93	60-140	4			
Dibromochloromethane	ug/L	ND	20	20	19.7	19.4	99	97	60-140	2			
Dibromomethane	ug/L	ND	20	20	19.1	18.9	96	95	60-140	1			
Dichlorodifluoromethane	ug/L	ND	20	20	19.5	19.4	97	97	60-140	0			
Diisopropyl ether	ug/L	ND	20	20	21.2	21.9	106	109	60-140	3			
Ethylbenzene	ug/L	ND	20	20	21.3	20.9	105	103	60-140	2			
Hexachloro-1,3-butadiene	ug/L	ND	20	20	23.2	21.0	116	105	60-140	10			
Isopropylbenzene (Cumene)	ug/L	ND	20	20	21.2	20.8	106	104	60-140	2			
m&p-Xylene	ug/L	1.4	40	40	42.8	42.3	104	102	60-140	1			
Methyl-tert-butyl ether	ug/L	1.9	20	20	22.2	22.9	101	105	60-140	3			
Methylene Chloride	ug/L	ND	20	20	20.4	20.9	102	104	60-140	2			

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QUALITY CONTROL DATA

Project: Times Turnaround #39
Pace Project No.: 92318606

Parameter	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1864675		1864676								
	Units	92318826002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
n-Butylbenzene	ug/L	ND	20	20	21.2	20.7	106	103	60-140	3	
n-Propylbenzene	ug/L	ND	20	20	22.2	21.1	110	105	60-140	5	
Naphthalene	ug/L	ND	20	20	23.8	22.4	118	111	60-140	6	
o-Xylene	ug/L	ND	20	20	20.5	20.3	100	99	60-140	1	
sec-Butylbenzene	ug/L	ND	20	20	21.3	21.1	107	105	60-140	1	
Styrene	ug/L	ND	20	20	20.4	20.1	102	100	60-140	2	
tert-Butylbenzene	ug/L	ND	20	20	18.5	18.0	92	90	60-140	3	
Tetrachloroethene	ug/L	ND	20	20	18.4	18.0	92	90	60-140	2	
Toluene	ug/L	ND	20	20	20.7	20.7	101	101	60-140	0	
trans-1,2-Dichloroethene	ug/L	ND	20	20	22.0	22.3	110	112	60-140	2	
trans-1,3-Dichloropropene	ug/L	ND	20	20	19.2	18.6	96	93	60-140	3	
Trichloroethene	ug/L	ND	20	20	20.3	20.0	102	100	60-140	1	
Trichlorofluoromethane	ug/L	ND	20	20	21.6	21.6	108	108	60-140	0	
Vinyl chloride	ug/L	ND	20	20	19.4	19.2	97	96	60-140	1	
1,2-Dichloroethane-d4 (S)	%						89	92	70-130		
4-Bromofluorobenzene (S)	%						99	99	70-130		
Toluene-d8 (S)	%						99	99	70-130		

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QUALITY CONTROL DATA

Project: Times Turnaround #39
Pace Project No.: 92318606

QC Batch: 336429 Analysis Method: SM 6200B
QC Batch Method: SM 6200B Analysis Description: 6200B MSV
Associated Lab Samples: 92318606003, 92318606004

METHOD BLANK: 1865536 Matrix: Water
Associated Lab Samples: 92318606003, 92318606004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	11/10/16 16:07	
1,1,1-Trichloroethane	ug/L	ND	0.50	11/10/16 16:07	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	11/10/16 16:07	
1,1,2-Trichloroethane	ug/L	ND	0.50	11/10/16 16:07	
1,1-Dichloroethane	ug/L	ND	0.50	11/10/16 16:07	
1,1-Dichloroethene	ug/L	ND	0.50	11/10/16 16:07	
1,1-Dichloropropene	ug/L	ND	0.50	11/10/16 16:07	
1,2,3-Trichlorobenzene	ug/L	ND	2.0	11/10/16 16:07	
1,2,3-Trichloropropane	ug/L	ND	0.50	11/10/16 16:07	
1,2,4-Trichlorobenzene	ug/L	ND	2.0	11/10/16 16:07	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	11/10/16 16:07	
1,2-Dibromo-3-chloropropane	ug/L	ND	1.0	11/10/16 16:07	
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	11/10/16 16:07	
1,2-Dichlorobenzene	ug/L	ND	0.50	11/10/16 16:07	
1,2-Dichloroethane	ug/L	ND	0.50	11/10/16 16:07	
1,2-Dichloropropane	ug/L	ND	0.50	11/10/16 16:07	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	11/10/16 16:07	
1,3-Dichlorobenzene	ug/L	ND	0.50	11/10/16 16:07	
1,3-Dichloropropane	ug/L	ND	0.50	11/10/16 16:07	
1,4-Dichlorobenzene	ug/L	ND	0.50	11/10/16 16:07	
2,2-Dichloropropane	ug/L	ND	0.50	11/10/16 16:07	
2-Chlorotoluene	ug/L	ND	0.50	11/10/16 16:07	
4-Chlorotoluene	ug/L	ND	0.50	11/10/16 16:07	
Benzene	ug/L	ND	0.50	11/10/16 16:07	
Bromobenzene	ug/L	ND	0.50	11/10/16 16:07	
Bromochloromethane	ug/L	ND	0.50	11/10/16 16:07	
Bromodichloromethane	ug/L	ND	0.50	11/10/16 16:07	
Bromoform	ug/L	ND	0.50	11/10/16 16:07	
Bromomethane	ug/L	ND	5.0	11/10/16 16:07	
Carbon tetrachloride	ug/L	ND	0.50	11/10/16 16:07	
Chlorobenzene	ug/L	ND	0.50	11/10/16 16:07	
Chloroethane	ug/L	ND	1.0	11/10/16 16:07	
Chloroform	ug/L	ND	0.50	11/10/16 16:07	
Chloromethane	ug/L	ND	1.0	11/10/16 16:07	
cis-1,2-Dichloroethene	ug/L	ND	0.50	11/10/16 16:07	
cis-1,3-Dichloropropene	ug/L	ND	0.50	11/10/16 16:07	
Dibromochloromethane	ug/L	ND	0.50	11/10/16 16:07	
Dibromomethane	ug/L	ND	0.50	11/10/16 16:07	
Dichlorodifluoromethane	ug/L	ND	0.50	11/10/16 16:07	
Diisopropyl ether	ug/L	ND	0.50	11/10/16 16:07	
Ethylbenzene	ug/L	ND	0.50	11/10/16 16:07	

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QUALITY CONTROL DATA

Project: Times Turnaround #39
Pace Project No.: 92318606

METHOD BLANK: 1865536 Matrix: Water
Associated Lab Samples: 92318606003, 92318606004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	2.0	11/10/16 16:07	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	11/10/16 16:07	
m&p-Xylene	ug/L	ND	1.0	11/10/16 16:07	
Methyl-tert-butyl ether	ug/L	ND	0.50	11/10/16 16:07	
Methylene Chloride	ug/L	ND	2.0	11/10/16 16:07	
n-Butylbenzene	ug/L	ND	0.50	11/10/16 16:07	
n-Propylbenzene	ug/L	ND	0.50	11/10/16 16:07	
Naphthalene	ug/L	ND	2.0	11/10/16 16:07	
o-Xylene	ug/L	ND	0.50	11/10/16 16:07	
sec-Butylbenzene	ug/L	ND	0.50	11/10/16 16:07	
Styrene	ug/L	ND	0.50	11/10/16 16:07	
tert-Butylbenzene	ug/L	ND	0.50	11/10/16 16:07	
Tetrachloroethene	ug/L	ND	0.50	11/10/16 16:07	
Toluene	ug/L	ND	0.50	11/10/16 16:07	
trans-1,2-Dichloroethene	ug/L	ND	0.50	11/10/16 16:07	
trans-1,3-Dichloropropene	ug/L	ND	0.50	11/10/16 16:07	
Trichloroethene	ug/L	ND	0.50	11/10/16 16:07	
Trichlorofluoromethane	ug/L	ND	1.0	11/10/16 16:07	
Vinyl chloride	ug/L	ND	1.0	11/10/16 16:07	
1,2-Dichloroethane-d4 (S)	%	92	70-130	11/10/16 16:07	
4-Bromofluorobenzene (S)	%	97	70-130	11/10/16 16:07	
Toluene-d8 (S)	%	99	70-130	11/10/16 16:07	

LABORATORY CONTROL SAMPLE: 1865537

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	47.2	94	60-140	
1,1,1-Trichloroethane	ug/L	50	44.0	88	60-140	
1,1,2,2-Tetrachloroethane	ug/L	50	46.5	93	60-140	
1,1,2-Trichloroethane	ug/L	50	45.5	91	60-140	
1,1-Dichloroethane	ug/L	50	44.6	89	60-140	
1,1-Dichloroethene	ug/L	50	48.5	97	60-140	
1,1-Dichloropropene	ug/L	50	45.6	91	60-140	
1,2,3-Trichlorobenzene	ug/L	50	50.0	100	60-140	
1,2,3-Trichloropropane	ug/L	50	42.8	86	60-140	
1,2,4-Trichlorobenzene	ug/L	50	52.8	106	60-140	
1,2,4-Trimethylbenzene	ug/L	50	49.4	99	60-140	
1,2-Dibromo-3-chloropropane	ug/L	50	44.9	90	60-140	
1,2-Dibromoethane (EDB)	ug/L	50	46.3	93	60-140	
1,2-Dichlorobenzene	ug/L	50	50.8	102	60-140	
1,2-Dichloroethane	ug/L	50	38.7	77	60-140	
1,2-Dichloropropane	ug/L	50	44.7	89	60-140	
1,3,5-Trimethylbenzene	ug/L	50	49.3	99	60-140	
1,3-Dichlorobenzene	ug/L	50	49.9	100	60-140	

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QUALITY CONTROL DATA

Project: Times Turnaround #39
Pace Project No.: 92318606

LABORATORY CONTROL SAMPLE: 1865537

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	44.3	89	60-140	
1,4-Dichlorobenzene	ug/L	50	48.1	96	60-140	
2,2-Dichloropropane	ug/L	50	46.1	92	60-140	
2-Chlorotoluene	ug/L	50	48.3	97	60-140	
4-Chlorotoluene	ug/L	50	47.4	95	60-140	
Benzene	ug/L	50	47.0	94	60-140	
Bromobenzene	ug/L	50	47.2	94	60-140	
Bromochloromethane	ug/L	50	45.2	90	60-140	
Bromodichloromethane	ug/L	50	45.5	91	60-140	
Bromoform	ug/L	50	45.6	91	60-140	
Bromomethane	ug/L	50	34.8	70	60-140	
Carbon tetrachloride	ug/L	50	46.9	94	60-140	
Chlorobenzene	ug/L	50	45.7	91	60-140	
Chloroethane	ug/L	50	37.5	75	60-140	
Chloroform	ug/L	50	43.1	86	60-140	
Chloromethane	ug/L	50	40.8	82	60-140	
cis-1,2-Dichloroethene	ug/L	50	43.6	87	60-140	
cis-1,3-Dichloropropene	ug/L	50	44.8	90	60-140	
Dibromochloromethane	ug/L	50	46.6	93	60-140	
Dibromomethane	ug/L	50	43.8	88	60-140	
Dichlorodifluoromethane	ug/L	50	38.3	77	60-140	
Diisopropyl ether	ug/L	50	48.2	96	60-140	
Ethylbenzene	ug/L	50	47.2	94	60-140	
Hexachloro-1,3-butadiene	ug/L	50	52.9	106	60-140	
Isopropylbenzene (Cumene)	ug/L	50	47.7	95	60-140	
m&p-Xylene	ug/L	100	94.0	94	60-140	
Methyl-tert-butyl ether	ug/L	50	45.4	91	60-140	
Methylene Chloride	ug/L	50	50.4	101	60-140	
n-Butylbenzene	ug/L	50	50.9	102	60-140	
n-Propylbenzene	ug/L	50	49.4	99	60-140	
Naphthalene	ug/L	50	48.2	96	60-140	
o-Xylene	ug/L	50	45.9	92	60-140	
sec-Butylbenzene	ug/L	50	50.1	100	60-140	
Styrene	ug/L	50	47.9	96	60-140	
tert-Butylbenzene	ug/L	50	43.0	86	60-140	
Tetrachloroethene	ug/L	50	40.5	81	60-140	
Toluene	ug/L	50	45.4	91	60-140	
trans-1,2-Dichloroethene	ug/L	50	46.5	93	60-140	
trans-1,3-Dichloropropene	ug/L	50	45.1	90	60-140	
Trichloroethene	ug/L	50	44.2	88	60-140	
Trichlorofluoromethane	ug/L	50	44.0	88	60-140	
Vinyl chloride	ug/L	50	38.1	76	60-140	
1,2-Dichloroethane-d4 (S)	%			91	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			97	70-130	

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QUALITY CONTROL DATA

Project: Times Turnaround #39
Pace Project No.: 92318606

Parameter	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1865538		1865539								
	Units	92318594004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	20.5	20.0	102	100	60-140	2	
1,1,1-Trichloroethane	ug/L	ND	20	20	21.1	21.1	105	105	60-140	0	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	19.4	19.8	97	99	60-140	2	
1,1,2-Trichloroethane	ug/L	ND	20	20	19.6	20.0	98	100	60-140	2	
1,1-Dichloroethane	ug/L	ND	20	20	21.2	21.8	106	109	60-140	3	
1,1-Dichloroethene	ug/L	ND	20	20	24.3	24.9	121	124	60-140	2	
1,1-Dichloropropene	ug/L	ND	20	20	22.4	22.4	112	112	60-140	0	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	25.8	22.5	129	112	60-140	14	
1,2,3-Trichloropropane	ug/L	ND	20	20	18.3	18.1	91	91	60-140	1	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	24.1	22.6	120	113	60-140	6	
1,2,4-Trimethylbenzene	ug/L	ND	20	20	21.7	21.8	108	108	60-140	1	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	19.0	18.6	95	93	60-140	2	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	20.2	20.3	101	101	60-140	0	
1,2-Dichlorobenzene	ug/L	ND	20	20	21.8	22.0	109	110	60-140	1	
1,2-Dichloroethane	ug/L	ND	20	20	17.3	17.6	86	87	60-140	2	
1,2-Dichloropropane	ug/L	ND	20	20	19.6	20.7	98	104	60-140	6	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	22.2	21.9	111	110	60-140	1	
1,3-Dichlorobenzene	ug/L	ND	20	20	21.7	21.7	108	108	60-140	0	
1,3-Dichloropropane	ug/L	ND	20	20	19.3	19.2	96	96	60-140	1	
1,4-Dichlorobenzene	ug/L	ND	20	20	20.8	21.0	104	105	60-140	1	
2,2-Dichloropropane	ug/L	ND	20	20	22.5	23.0	112	115	60-140	2	
2-Chlorotoluene	ug/L	ND	20	20	21.8	21.4	109	107	60-140	2	
4-Chlorotoluene	ug/L	ND	20	20	20.8	20.7	104	104	60-140	0	
Benzene	ug/L	ND	20	20	21.8	22.4	109	111	60-140	2	
Bromobenzene	ug/L	ND	20	20	21.1	20.7	106	104	60-140	2	
Bromochloromethane	ug/L	ND	20	20	20.8	21.2	104	106	60-140	2	
Bromodichloromethane	ug/L	ND	20	20	20.0	20.9	100	104	60-140	4	
Bromoform	ug/L	ND	20	20	18.8	18.7	94	94	60-140	0	
Bromomethane	ug/L	ND	20	20	15.4	16.1	77	81	60-140	4	
Carbon tetrachloride	ug/L	ND	20	20	22.8	23.4	114	117	60-140	3	
Chlorobenzene	ug/L	ND	20	20	20.8	20.7	104	104	60-140	0	
Chloroethane	ug/L	ND	20	20	19.2	20.2	96	101	60-140	5	
Chloroform	ug/L	ND	20	20	19.8	20.4	99	102	60-140	3	
Chloromethane	ug/L	ND	20	20	21.0	21.3	105	107	60-140	2	
cis-1,2-Dichloroethene	ug/L	ND	20	20	20.7	21.0	104	105	60-140	1	
cis-1,3-Dichloropropene	ug/L	ND	20	20	20.1	20.2	100	101	60-140	1	
Dibromochloromethane	ug/L	ND	20	20	20.1	19.8	101	99	60-140	2	
Dibromomethane	ug/L	ND	20	20	19.3	20.1	97	100	60-140	4	
Dichlorodifluoromethane	ug/L	ND	20	20	18.7	17.9	94	90	60-140	5	
Diisopropyl ether	ug/L	ND	20	20	21.8	22.3	109	111	60-140	2	
Ethylbenzene	ug/L	ND	20	20	21.9	21.9	108	109	60-140	0	
Hexachloro-1,3-butadiene	ug/L	ND	20	20	26.1	24.0	130	120	60-140	8	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	22.1	22.3	111	112	60-140	1	
m&p-Xylene	ug/L	ND	40	40	43.5	43.5	108	108	60-140	0	
Methyl-tert-butyl ether	ug/L	ND	20	20	20.6	20.8	103	104	60-140	1	
Methylene Chloride	ug/L	ND	20	20	22.0	22.4	110	112	60-140	2	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Times Turnaround #39
Pace Project No.: 92318606

Parameter	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1865538		1865539		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
	92318594004 Units	Result	MS Spike Conc.	MSD Spike Conc.							
n-Butylbenzene	ug/L	ND	20	20	23.1	22.7	115	113	60-140	2	
n-Propylbenzene	ug/L	ND	20	20	23.1	22.5	116	113	60-140	3	
Naphthalene	ug/L	ND	20	20	23.2	21.4	116	107	60-140	8	
o-Xylene	ug/L	ND	20	20	20.9	21.2	104	106	60-140	2	
sec-Butylbenzene	ug/L	ND	20	20	22.5	22.8	113	114	60-140	1	
Styrene	ug/L	ND	20	20	21.0	21.5	105	107	60-140	2	
tert-Butylbenzene	ug/L	ND	20	20	19.5	19.1	97	95	60-140	2	
Tetrachloroethene	ug/L	ND	20	20	18.9	18.6	94	93	60-140	1	
Toluene	ug/L	ND	20	20	21.0	21.2	105	106	60-140	1	
trans-1,2-Dichloroethene	ug/L	ND	20	20	23.0	23.2	115	116	60-140	1	
trans-1,3-Dichloropropene	ug/L	ND	20	20	19.6	19.8	98	99	60-140	1	
Trichloroethene	ug/L	ND	20	20	20.7	21.0	103	105	60-140	1	
Trichlorofluoromethane	ug/L	ND	20	20	21.9	22.3	110	111	60-140	2	
Vinyl chloride	ug/L	ND	20	20	19.3	19.3	97	96	60-140	0	
1,2-Dichloroethane-d4 (S)	%						88	92	70-130		
4-Bromofluorobenzene (S)	%						99	100	70-130		
Toluene-d8 (S)	%						100	100	70-130		

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QUALITY CONTROL DATA

Project: Times Turnaround #39
Pace Project No.: 92318606

QC Batch: 336665 Analysis Method: SM 6200B
QC Batch Method: SM 6200B Analysis Description: 6200B MSV
Associated Lab Samples: 92318606002

METHOD BLANK: 1866901 Matrix: Water
Associated Lab Samples: 92318606002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	11/12/16 01:07	
1,1,1-Trichloroethane	ug/L	ND	0.50	11/12/16 01:07	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	11/12/16 01:07	
1,1,2-Trichloroethane	ug/L	ND	0.50	11/12/16 01:07	
1,1-Dichloroethane	ug/L	ND	0.50	11/12/16 01:07	
1,1-Dichloroethene	ug/L	ND	0.50	11/12/16 01:07	
1,1-Dichloropropene	ug/L	ND	0.50	11/12/16 01:07	
1,2,3-Trichlorobenzene	ug/L	ND	2.0	11/12/16 01:07	
1,2,3-Trichloropropane	ug/L	ND	0.50	11/12/16 01:07	
1,2,4-Trichlorobenzene	ug/L	ND	2.0	11/12/16 01:07	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	11/12/16 01:07	
1,2-Dibromo-3-chloropropane	ug/L	ND	1.0	11/12/16 01:07	
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	11/12/16 01:07	
1,2-Dichlorobenzene	ug/L	ND	0.50	11/12/16 01:07	
1,2-Dichloroethane	ug/L	ND	0.50	11/12/16 01:07	
1,2-Dichloropropane	ug/L	ND	0.50	11/12/16 01:07	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	11/12/16 01:07	
1,3-Dichlorobenzene	ug/L	ND	0.50	11/12/16 01:07	
1,3-Dichloropropane	ug/L	ND	0.50	11/12/16 01:07	
1,4-Dichlorobenzene	ug/L	ND	0.50	11/12/16 01:07	
2,2-Dichloropropane	ug/L	ND	0.50	11/12/16 01:07	
2-Chlorotoluene	ug/L	ND	0.50	11/12/16 01:07	
4-Chlorotoluene	ug/L	ND	0.50	11/12/16 01:07	
Benzene	ug/L	ND	0.50	11/12/16 01:07	
Bromobenzene	ug/L	ND	0.50	11/12/16 01:07	
Bromochloromethane	ug/L	ND	0.50	11/12/16 01:07	
Bromodichloromethane	ug/L	ND	0.50	11/12/16 01:07	
Bromoform	ug/L	ND	0.50	11/12/16 01:07	
Bromomethane	ug/L	ND	5.0	11/12/16 01:07	
Carbon tetrachloride	ug/L	ND	0.50	11/12/16 01:07	
Chlorobenzene	ug/L	ND	0.50	11/12/16 01:07	
Chloroethane	ug/L	ND	1.0	11/12/16 01:07	
Chloroform	ug/L	ND	0.50	11/12/16 01:07	
Chloromethane	ug/L	ND	1.0	11/12/16 01:07	
cis-1,2-Dichloroethene	ug/L	ND	0.50	11/12/16 01:07	
cis-1,3-Dichloropropene	ug/L	ND	0.50	11/12/16 01:07	
Dibromochloromethane	ug/L	ND	0.50	11/12/16 01:07	
Dibromomethane	ug/L	ND	0.50	11/12/16 01:07	
Dichlorodifluoromethane	ug/L	ND	0.50	11/12/16 01:07	
Diisopropyl ether	ug/L	ND	0.50	11/12/16 01:07	
Ethylbenzene	ug/L	ND	0.50	11/12/16 01:07	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Times Turnaround #39
Pace Project No.: 92318606

METHOD BLANK: 1866901 Matrix: Water
Associated Lab Samples: 92318606002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	2.0	11/12/16 01:07	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	11/12/16 01:07	
m&p-Xylene	ug/L	ND	1.0	11/12/16 01:07	
Methyl-tert-butyl ether	ug/L	ND	0.50	11/12/16 01:07	
Methylene Chloride	ug/L	ND	2.0	11/12/16 01:07	
n-Butylbenzene	ug/L	ND	0.50	11/12/16 01:07	
n-Propylbenzene	ug/L	ND	0.50	11/12/16 01:07	
Naphthalene	ug/L	ND	2.0	11/12/16 01:07	
o-Xylene	ug/L	ND	0.50	11/12/16 01:07	
sec-Butylbenzene	ug/L	ND	0.50	11/12/16 01:07	
Styrene	ug/L	ND	0.50	11/12/16 01:07	
tert-Butylbenzene	ug/L	ND	0.50	11/12/16 01:07	
Tetrachloroethene	ug/L	ND	0.50	11/12/16 01:07	
Toluene	ug/L	ND	0.50	11/12/16 01:07	
trans-1,2-Dichloroethene	ug/L	ND	0.50	11/12/16 01:07	
trans-1,3-Dichloropropene	ug/L	ND	0.50	11/12/16 01:07	
Trichloroethene	ug/L	ND	0.50	11/12/16 01:07	
Trichlorofluoromethane	ug/L	ND	1.0	11/12/16 01:07	
Vinyl chloride	ug/L	ND	1.0	11/12/16 01:07	
1,2-Dichloroethane-d4 (S)	%	90	70-130	11/12/16 01:07	
4-Bromofluorobenzene (S)	%	94	70-130	11/12/16 01:07	
Toluene-d8 (S)	%	99	70-130	11/12/16 01:07	

LABORATORY CONTROL SAMPLE: 1866902

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	47.1	94	60-140	
1,1,1-Trichloroethane	ug/L	50	47.9	96	60-140	
1,1,2,2-Tetrachloroethane	ug/L	50	46.5	93	60-140	
1,1,2-Trichloroethane	ug/L	50	43.8	88	60-140	
1,1-Dichloroethane	ug/L	50	49.0	98	60-140	
1,1-Dichloroethene	ug/L	50	55.7	111	60-140	
1,1-Dichloropropene	ug/L	50	49.8	100	60-140	
1,2,3-Trichlorobenzene	ug/L	50	48.8	98	60-140	
1,2,3-Trichloropropane	ug/L	50	44.1	88	60-140	
1,2,4-Trichlorobenzene	ug/L	50	49.9	100	60-140	
1,2,4-Trimethylbenzene	ug/L	50	48.6	97	60-140	
1,2-Dibromo-3-chloropropane	ug/L	50	42.2	84	60-140	
1,2-Dibromoethane (EDB)	ug/L	50	46.9	94	60-140	
1,2-Dichlorobenzene	ug/L	50	49.2	98	60-140	
1,2-Dichloroethane	ug/L	50	40.7	81	60-140	
1,2-Dichloropropane	ug/L	50	44.9	90	60-140	
1,3,5-Trimethylbenzene	ug/L	50	48.7	97	60-140	
1,3-Dichlorobenzene	ug/L	50	48.9	98	60-140	

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QUALITY CONTROL DATA

Project: Times Turnaround #39
Pace Project No.: 92318606

LABORATORY CONTROL SAMPLE: 1866902

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	44.7	89	60-140	
1,4-Dichlorobenzene	ug/L	50	46.6	93	60-140	
2,2-Dichloropropane	ug/L	50	46.4	93	60-140	
2-Chlorotoluene	ug/L	50	48.0	96	60-140	
4-Chlorotoluene	ug/L	50	46.7	93	60-140	
Benzene	ug/L	50	50.6	101	60-140	
Bromobenzene	ug/L	50	46.8	94	60-140	
Bromochloromethane	ug/L	50	49.1	98	60-140	
Bromodichloromethane	ug/L	50	45.8	92	60-140	
Bromoform	ug/L	50	46.7	93	60-140	
Bromomethane	ug/L	50	50.1	100	60-140	
Carbon tetrachloride	ug/L	50	49.8	100	60-140	
Chlorobenzene	ug/L	50	46.3	93	60-140	
Chloroethane	ug/L	50	47.7	95	60-140	
Chloroform	ug/L	50	46.4	93	60-140	
Chloromethane	ug/L	50	56.9	114	60-140	
cis-1,2-Dichloroethene	ug/L	50	47.9	96	60-140	
cis-1,3-Dichloropropene	ug/L	50	45.4	91	60-140	
Dibromochloromethane	ug/L	50	47.5	95	60-140	
Dibromomethane	ug/L	50	44.0	88	60-140	
Dichlorodifluoromethane	ug/L	50	56.2	112	60-140	
Diisopropyl ether	ug/L	50	52.8	106	60-140	
Ethylbenzene	ug/L	50	48.5	97	60-140	
Hexachloro-1,3-butadiene	ug/L	50	49.5	99	60-140	
Isopropylbenzene (Cumene)	ug/L	50	50.5	101	60-140	
m&p-Xylene	ug/L	100	97.4	97	60-140	
Methyl-tert-butyl ether	ug/L	50	50.3	101	60-140	
Methylene Chloride	ug/L	50	55.2	110	60-140	
n-Butylbenzene	ug/L	50	49.0	98	60-140	
n-Propylbenzene	ug/L	50	49.4	99	60-140	
Naphthalene	ug/L	50	47.1	94	60-140	
o-Xylene	ug/L	50	48.4	97	60-140	
sec-Butylbenzene	ug/L	50	49.9	100	60-140	
Styrene	ug/L	50	49.7	99	60-140	
tert-Butylbenzene	ug/L	50	42.6	85	60-140	
Tetrachloroethene	ug/L	50	41.0	82	60-140	
Toluene	ug/L	50	46.3	93	60-140	
trans-1,2-Dichloroethene	ug/L	50	52.4	105	60-140	
trans-1,3-Dichloropropene	ug/L	50	43.3	87	60-140	
Trichloroethene	ug/L	50	46.0	92	60-140	
Trichlorofluoromethane	ug/L	50	49.7	99	60-140	
Vinyl chloride	ug/L	50	47.4	95	60-140	
1,2-Dichloroethane-d4 (S)	%			91	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Toluene-d8 (S)	%			97	70-130	

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QUALITY CONTROL DATA

Project: Times Turnaround #39
Pace Project No.: 92318606

Parameter	92318745009		MS	MSD	1866903		1866904		% Rec	% Rec	Limits	RPD	Qual
	Units	Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	20.0	21.6	100	108	60-140	7			
1,1,1-Trichloroethane	ug/L	ND	20	20	20.1	20.5	101	102	60-140	2			
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	20.1	21.4	100	107	60-140	6			
1,1,2-Trichloroethane	ug/L	ND	20	20	19.2	21.8	96	109	60-140	13			
1,1-Dichloroethane	ug/L	ND	20	20	20.1	20.6	100	103	60-140	3			
1,1-Dichloroethene	ug/L	ND	20	20	21.9	22.4	109	112	60-140	2			
1,1-Dichloropropene	ug/L	ND	20	20	20.8	21.1	104	106	60-140	2			
1,2,3-Trichlorobenzene	ug/L	ND	20	20	25.0	27.2	125	136	60-140	9			
1,2,3-Trichloropropane	ug/L	ND	20	20	18.7	19.5	93	98	60-140	5			
1,2,4-Trichlorobenzene	ug/L	ND	20	20	23.0	25.6	115	128	60-140	11			
1,2,4-Trimethylbenzene	ug/L	ND	20	20	21.6	23.1	108	115	60-140	7			
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	19.7	20.1	99	101	60-140	2			
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	20.0	21.3	100	107	60-140	6			
1,2-Dichlorobenzene	ug/L	ND	20	20	21.8	23.6	109	118	60-140	8			
1,2-Dichloroethane	ug/L	ND	20	20	16.6	17.3	82	86	60-140	4			
1,2-Dichloropropane	ug/L	ND	20	20	19.2	20.8	96	104	60-140	8			
1,3,5-Trimethylbenzene	ug/L	ND	20	20	21.6	23.2	108	116	60-140	7			
1,3-Dichlorobenzene	ug/L	ND	20	20	21.2	22.7	106	113	60-140	7			
1,3-Dichloropropane	ug/L	ND	20	20	18.8	20.3	94	101	60-140	8			
1,4-Dichlorobenzene	ug/L	ND	20	20	20.5	22.4	102	111	60-140	9			
2,2-Dichloropropane	ug/L	ND	20	20	19.0	18.6	95	93	60-140	2			
2-Chlorotoluene	ug/L	ND	20	20	21.4	22.8	107	114	60-140	6			
4-Chlorotoluene	ug/L	ND	20	20	20.7	22.2	103	111	60-140	7			
Benzene	ug/L	ND	20	20	21.0	22.0	105	110	60-140	5			
Bromobenzene	ug/L	ND	20	20	20.5	22.1	103	111	60-140	7			
Bromochloromethane	ug/L	ND	20	20	20.0	20.9	100	104	60-140	4			
Bromodichloromethane	ug/L	ND	20	20	19.4	21.1	97	106	60-140	8			
Bromoform	ug/L	ND	20	20	19.1	20.0	95	100	60-140	5			
Bromomethane	ug/L	ND	20	20	14.1	14.4	71	72	60-140	2			
Carbon tetrachloride	ug/L	ND	20	20	21.5	22.5	108	112	60-140	4			
Chlorobenzene	ug/L	ND	20	20	20.0	21.2	100	106	60-140	6			
Chloroethane	ug/L	ND	20	20	16.1	17.3	81	87	60-140	7			
Chloroform	ug/L	ND	20	20	19.8	20.2	99	101	60-140	2			
Chloromethane	ug/L	ND	20	20	14.7	15.7	73	79	60-140	7			
cis-1,2-Dichloroethene	ug/L	ND	20	20	19.8	20.2	99	101	60-140	2			
cis-1,3-Dichloropropene	ug/L	ND	20	20	18.8	20.3	94	101	60-140	7			
Dibromochloromethane	ug/L	ND	20	20	20.0	21.5	100	108	60-140	7			
Dibromomethane	ug/L	ND	20	20	18.7	20.8	93	104	60-140	11			
Dichlorodifluoromethane	ug/L	ND	20	20	8.8	9.0	44	45	60-140	3 M1			
Diisopropyl ether	ug/L	ND	20	20	21.4	22.1	107	110	60-140	3			
Ethylbenzene	ug/L	ND	20	20	21.1	22.3	105	111	60-140	6			
Hexachloro-1,3-butadiene	ug/L	ND	20	20	24.0	25.8	120	129	60-140	8			
Isopropylbenzene (Cumene)	ug/L	ND	20	20	21.7	22.7	108	114	60-140	5			
m&p-Xylene	ug/L	ND	40	40	41.1	44.3	102	110	60-140	8			
Methyl-tert-butyl ether	ug/L	ND	20	20	20.1	20.6	100	103	60-140	3			
Methylene Chloride	ug/L	ND	20	20	20.3	21.3	101	107	60-140	5			

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Times Turnaround #39
Pace Project No.: 92318606

Parameter	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1866903		1866904								
	Units	92318745009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
n-Butylbenzene	ug/L	ND	20	20	21.9	23.6	110	118	60-140	7	
n-Propylbenzene	ug/L	ND	20	20	22.2	23.7	111	119	60-140	7	
Naphthalene	ug/L	ND	20	20	23.5	24.9	117	124	60-140	6	
o-Xylene	ug/L	ND	20	20	20.1	21.4	101	107	60-140	6	
sec-Butylbenzene	ug/L	ND	20	20	22.1	24.0	111	120	60-140	8	
Styrene	ug/L	ND	20	20	20.7	21.9	103	109	60-140	6	
tert-Butylbenzene	ug/L	ND	20	20	19.0	20.2	95	101	60-140	6	
Tetrachloroethene	ug/L	ND	20	20	17.9	18.5	89	93	60-140	4	
Toluene	ug/L	ND	20	20	20.1	21.4	101	107	60-140	6	
trans-1,2-Dichloroethene	ug/L	ND	20	20	21.4	21.6	107	108	60-140	1	
trans-1,3-Dichloropropene	ug/L	ND	20	20	18.6	20.5	93	102	60-140	10	
Trichloroethene	ug/L	ND	20	20	19.8	21.1	99	106	60-140	6	
Trichlorofluoromethane	ug/L	ND	20	20	18.9	20.0	95	100	60-140	6	
Vinyl chloride	ug/L	ND	20	20	14.4	15.0	72	75	60-140	4	
1,2-Dichloroethane-d4 (S)	%						88	88	70-130		
4-Bromofluorobenzene (S)	%						100	99	70-130		
Toluene-d8 (S)	%						99	99	70-130		

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QUALIFIERS

Project: Times Turnaround #39
Pace Project No.: 92318606

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.
A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

LABORATORIES

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Times Turnaround #39
Pace Project No.: 92318606

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92318606001	MW-4	SM 6200B	336267		
92318606002	MW-6	SM 6200B	336665		
92318606003	MW-7	SM 6200B	336429		
92318606004	RW-1	SM 6200B	336429		
92318606005	RW-2	SM 6200B	336267		
92318606006	RW-3	SM 6200B	336267		
92318606007	RW-4	SM 6200B	336267		
92318606008	Trip Blank	SM 6200B	336267		

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