Report Forms
for
North Carolina Dry-Cleaning Solvent Cleanup Act Program

Facility Name:	1-Hour Martinizing
	2519 High Point Road, Guilford, North Carolina
DSCA ID No.:	41-0039
Submittal Date:	March 2, 2012
Prepared By:	AMEC Environment & Infrastructure, Inc.
	2200 Gateway Centre Blvd., Suite 205, Morrisville, NC 27560

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DSCA ID No.: 41-0039

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Assessment Report Forms
for
North Carolina Dry-Cleaning Solvent Cleanup Act Program

Facility Name:	1-Hour Martinizing
	2519 High Point Road, Greensboro, Guilford, North Carolina
DSCA ID No.:	41-0039
Submittal Date:	March 2, 2012
Prepared By:	AMEC Environment & Infrastructure, Inc.
	2200 Gateway Centre Boulevard Suite 205, Morrisville NC 27560

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	Assessment Report Attachments	
Att. 1	Site location map.	☑
Att. 2	Historical aerial photograph.	☐
Att. 3	Historical maps and fire insurance records.	☐
Att. 4	Facilty as-building drawings.	☐
Att. 5	Facility layout diagram indicating the following (if applicable): (i) Service doors, (ii) current and historic location of drycleaning equipment, (iii) solvent/waste storage areas (including ASTs and USTs), (iv) distillation unit, (v) location of septic tank/drainfield or sanitary sewer lateral line, (vi) floor drains, (vii) storm sewer, (viii) expansion joints and cracks in floor, (ix) location of utilities, and (x) location of dumpsters.	☐
Att. 6	Utility records, including videos of sewer lines and pressure testing.	☐
Att. 7	Scaled vicinity map illustrating surrounding land use within 500 foot and 0.5 mile radii of the site.	☐
Att. 8	USGS Quad map with plotted water well location(s) within the 1,500 foot and 0.5 mile radii of the site.	☐
Att. 9	Area geologic map/relevant cross-sections.	☐
Att. 10	Soil boring logs which must include the following: (i) OVA or other field screening readings, (ii) depth of samples collect, (iii) odor, (iv) staining, (v) blow counts (if applicable), (vi) interval recovery, (vii) structures and/or bedding, (viii) moisture content, and (ix) borhole disposition (abandonment or conversion to monitor well).	☑
Att. 11	Site map showing location(s) of soil sample(s).	☑
Att. 12	Soil contaminant concentration maps showing the concentration at each sampling point.	☑
Att. 13	Soil isoconcentration maps.	☐
Att. 14	Site map showing location(s) of monitoring well(s).	☑
Att. 15	Well completion diagrams and records of construction submitted to state.	☐
Att. 16	Groundwater gradient map.	☐
Att. 17	Groundwater contaminant concentration maps showing the concentration at each sampling point and isoconcentration maps.	☑
Att. 18	Map showing location(s) of surface water sample(s) (if applicable).	☐
Att. 19	Surface water concentratin map showing the concentration at each sampling point (if applicable).	☐

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Form/Att. No.	**Description**	**Check box if included**
Assessment Report Attachments continued (Page 2 of 2)		
Att. 20	Map showing location(s) of water supply well(s) (if applicable).	☐
Att. 21	Laboratory analytical reports including chain-of custody and quality assurance/quality control (QA/QC) documentation.	☑
Att. 22	Conclusions	☑
Att. 23	Photo Log	☑
Att. 24		☐
Att. 25		☐

Note:
1. All maps must include a bar scale, north arrow, site name, DSCA ID No., and date.

Facility Information | **AR Form 1**

DSCA ID No.: 41-0039

- ☐ Currently operating facility since
- ☐ Previously operating facility since
- ☐ Temporarily out of service from to
- ☑ Permanently out of service since Unknown

Provide the name, address and telephone number of the current dry-cleaning business and the dry-cleaning business owner. If no current business at the facility, provide the name and address of the last dry-cleaner doing business at the site.

Facility name:	1-Hour Martinizing
Facility address (include name of shopping centre and the county where facility is located):	2519 High Point Road Greensboro, Guilford County
Facility telephone number (if applicable):	
Facility Owner's Name:	Victor Permar
Owner's Mailing Address:	902 Mead Drive Greensboro, NC 27410
Owner's Telephone number:	336-339-5700

Provide the earliest known date of the facility use for dry-cleaning buisness and the name of the dry-cleaning buisness (if applicable).

Unknown

Provide information on businesses that occupied the facility that may use or have used solvents and other chemicals. Identify solvents and chemicals used at the facility (if applicable).

Chemicals used at the former One Hour Martinizing are assumed to be Tetrachloroethylene based on an Environmental Investigation by ARCADIS dated 10/30/2010 at the nearby Former Ashland Inc. Facility. The current property owner has owned the site since 1978, and reported that the prior owner had a used car dealership on site. Engine, brake, and other parts cleaning chemicals used here likely contained chlorinated solvents. Various petroleum products were also likely in use on the property at the time.

Report Prepared By

I certify that the prioritization assessment as stated in this report was prepared under my supervision.

Kathleen A Roush — 3/2/2012

Contractor — Date

NORTH CAROLINA LICENSED SEAL 1353 GEOLOGIST KATHLEEN A. ROUSH

Kathleen A. Roush, LG — AMEC Environment & Infrastructure, Inc.

Printed Name — Company Name

Site History **AR Form 2**

DSCA ID No.: 41-0039

Number of dry-cleaning machines used at current or former facility: **Unknown**

Type of dry-cleaning machines used at current or former facility (e.g., transfer, dry-to-dry with vented exhaust, etc.).

Unknown. Property is currently utilized as a night club and current owner is not familiar with previous dry-cleaning use processes/practices.

Type of dry-cleaning solvents used by each type of machine.

Assumed to have been Tetrachloroethylene.

Where are/were the dry-cleaning solvents stored at the facility site? (Machine base tanks, UST(s), AST(s), etc.)

Unknown

Are chlorinated dry cleaning solvents delivered to the facility by means of a closed, direct-coupled delivery system?

N/A

Are virgin (new) solvents stored in containers other than the dry-cleaning machine?	○ Yes	● No
Are or were any USTs or ASTs used to store any petroleum or hazardous substances other than dry-cleaning solvents at the facility	○ Yes	● No

If yes, provide information about the substance stored, year taken out of service, virgin solvent or waste solvent, etc.

N/A

What methods of disposal are used or have been used for separator water?

Unknown

Provide information about the current/historical waste management practices, including types of wastes that are/were generated and how the waste are/were stored and managed.

Unknown

Site History **AR Form 2**

DSCA ID No.: 41-0039

☐ Unpaved
☑ Paved % area paved:
Any visible cracks in pavement? ◉ Yes ○ No

Have the utilities been screened for vapor levels? ○ Yes ◉ No
If YES, attach documentation of vapor monitoring results.

☐					
☐					
☐					
☐					
☐					
☐					
☐					
☐					
☐					

○ Yes ◉ No	
◉ Yes ○ No	
◉ Yes ○ No	
○ Yes ◉ No	

☐	☐
☐	☐
☐	☑
☐	☐
☐	

Site History **AR Form 2**

DSCA ID No.: 41-0039

Source(s) of Release

- ☐ Spills/Overfills
- ☐ Piping
- ☐ Other (specifiy)
- ☐ Tanks
- ☑ Unknown

Chemicals of Concern

- ☐ 1,1,1-Trichloroethane
- ☐ 1,1,2,2-Tetrachloroethane
- ☐ 1,1,2-Trichloroethanae
- ☐ 1,1-Dichloroethane
- ☐ 1,1-Dichloroethylene
- ☐ 1,2-Dichloroethane (EDC)
- ☐ Benzene
- ☐ Benzo(a)pyrene
- ☐ Carbon tetrachloride
- ☑ Chloroform
- ☑ Others
  - Bromodichloromethane
- ☑ cis-1,2-Dichloroethylene
- ☐ Ethylbenzene
- ☐ Methyl tert-butyl ether (MTBE)
- ☐ Naphthalene
- ☑ Tetrachloroethylene
- ☐ Toluene
- ☑ trans-1,2-Dichloroethylene
- ☑ Trichloroethylene
- ☑ Vinyl chloride
- ☐ Xylenes (total)

Additional Notes

Six soil and two groundwater samples were collected from the site. Two soil samples (SB-3-1, and SB-3-4) and one groundwater sample (TMW-1) were collected from the eastern interior of the site building, two soil samples (SB-2-4 and SB-2-13) were collected adjacent to the east side of the site building, one soil sample (SB-1-4) was collected to the south side of the site building, one soil sample (SB-4-4) was collected from the northeast corner of the parking lot and one groundwater sample (TMW-2) was collected along the western property boundary. The soil borings were advanced in what were believed to be the former process and/or waste disposal or management areas. A groundwater sample was collected in this area as well (TMW-1). A large scale PCE plume exists to the west, so TMW-2 was installed on what is believed to be the upgradient side of the property. Grab groundwater samples were collected at depths of 22-26 feet below land surface (TMW-1) and 26-30 feet below land surface (TMW-2).

Site Stratigraphy and Hydrogeology **AR Form 5**

DSCA ID No.: 41-0039

Stratigraphy of Site

Depth [feet]	Description of Soil
0-4	Red, gray, brown, silty CLAY, moist
4-6	Red, CLAY, moist
6-15	Red brown, clayey SILT, moist
15-25	Orange, black, white, SILT, increasingly saprolitic with depth, wet at 18'

Predominent Soil Type: CLAY/ SILT

Depth [feet]	Type of Bedrock and Geological Formation
?	Metamorphozed granitic rock

Hydrogeology of the Saturated Impacted Zone

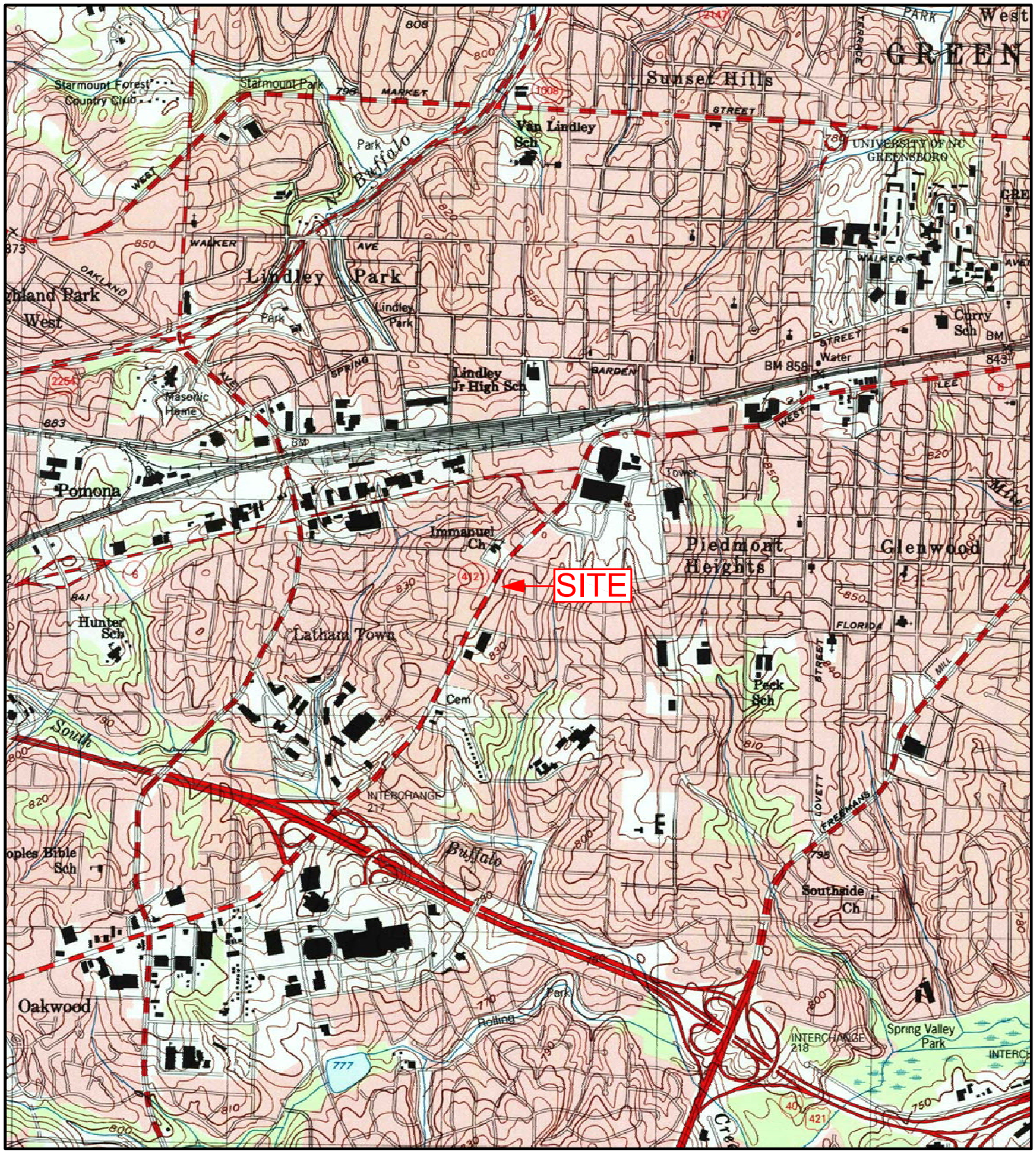
Type of Aquifer? ○ Confined ◉ Unconfined ○ Perched

Underlying predominent aquifer name:	Surficial Aquifer, undifferentiated
Aquifer classification (if applicable):	Unknown
Range of groundwater level fluctuations [feet bgs]:	Unknown
Average depth to water table/static water level:	Saturated at 18' bgs
Flow direction:	See below*
Hydraulic gradient (i) [--]:	
Hydraulic conductivity (K) [cm/year]:	
Darcy velocity (K x i) [cm/year-calculated]:	
Annual precipitation (average for last 30 years) [inches/year]:	

Additional Notes

*Groundwater is assumed to flow toward the east-southeast based on surficial topography. However, the site in also located immediately adjacent to High Point Road which was completed along a Northeast-Southwest trending ridge.

ATTACHMENT 1
Site Location Map



amec

2200 Gateway Centre Blvd., Suite 205
Morrisville, NC 27560
Ph: (919) 447-2750

CLIENT:

NCDENR
DSCA Program
Raleigh, North Carolina

N

SCALE:

0' 1000' 2000' 3000'

1" = 2000'

TITLE:

Topographic Site Location Map
1-Hour Martinizing
2519 High Point Rd, Greensboro, North Carolina
DSCA ID #: 041-0039

DR:	REV:	PROJ. NO.:
ASO	N/A	565480026
CHK:	DATE:	ATT. NO:
KAW	02/03/2012	1

ATTACHMENT 10
Soil Boring Logs

amec	*Client: DSCA*		***BORING ID: SB-1***
	Project Number: 565480026		
	Site Location: 1-Hour Martinizing, 2519 High Point Road, Greensboro, NC		
	Boring ID: SB-1		*Sheet: 1 of 2*
	Drilling Method: Direct Push		*Monitoring Well Installed: No*
	Sample Type(s): Soil Grab	*Boring Diameter: 2"*	*Screened Interval: n/a*
Weather: Partly Cloudy, 30's- 40's	*Logged By: John Maas*	*Date/Time Started: 1/16/12*	*Depth of Boring: 25'*
Drilling Contractor: Probe Technology, Inc.		*Date/Time Finished: 1/16/12*	*Water Level: 19'*

Depth (ft)	Groundwater Elev.	Sample Depth (ft)	PID (ppm)	**MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)**	Lab Sample ID
				Asphalt	
1			0.1	Red, gray, brown, silty CLAY, moist	
2			0.1		
3			<0.1		
4		4	0.4		SB-1-4
5			0.2	Red, CLAY, mosit	
6			0.1		
7			0.3	Red brown, clayey SILT, moist, less red with depth	
8			0.4		
9			0.4		
10			0.4		
11			0.5		
12			0.5		
13			0.5		
14			0.7		
15			0.9		
16			0.5	Orange brown, SILT, moist	
17			0.4		
18			0.3		
19			0.8		
20				Orange, black, white, SILT, saprolitic, wet	

NOTES: Ref Well Log_____
Ref. Rock Core Log #_____

Date	Time	Depth to groundwater while drilling

Checked by ___KW_____ Date:____3/1/2012

amec	*Client: DSCA*		***BORING ID: SB-1***
	Project Number: 565480026		
	Site Location: 1-Hour Martinizing, 2519 High Point Road, Greensboro, NC		
	Boring ID: SB-1		*Sheet: 2 of 2*
	Drilling Method: Direct Push		*Monitoring Well Installed: No*
	Sample Type(s): Soil Grab	*Boring Diameter: 2"*	*Screened Interval: n/a*
Weather: Partly Cloudy, 30's- 40's	*Logged By: John Maas*	*Date/Time Started: 1/16/12*	*Depth of Boring: 25'*
Drilling Contractor: Probe Technology, Inc.		*Date/Time Finished: 1/16/12*	*Water Level: 19'*

Depth (ft)	Groundwater Elev.	Sample Depth (ft)	PID (ppm)	**MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)**	Lab Sample ID
21				Orange, black, white, SILT, saprolitic, wet	
22					
23					
24					
25					
				Termination of boring	

NOTES: Ref Well Log_____
Ref. Rock Core Log #_____

Checked by ___KW_____ Date:____3/1/2012

Date	Time	Depth to groundwater while drilling

amec	*Client: DSCA*		***BORING ID: SB-2***
	Project Number: 565480026		
	Site Location: 1-Hour Martinizing, 2519 High Point Road, Greensboro, NC		
	Boring ID: SB-2		*Sheet: 1 of 1*
	Drilling Method: Direct Push		*Monitoring Well Installed: No*
	Sample Type(s): Soil Grab	*Boring Diameter: 2"*	*Screened Interval: n/a*
Weather: Partly Cloudy, 30's- 40's	*Logged By: John Maas*	*Date/Time Started: 1/16/12*	*Depth of Boring: 20'*
Drilling Contractor: Probe Technology, Inc.		*Date/Time Finished: 1/16/12*	*Water Level: 18'*

Depth (ft)	Groundwater Elev.	Sample Depth (ft)	PID (ppm)	**MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)**	Lab Sample ID
				Asphalt	
1			1.2	Red, gray, brown, silty CLAY, moist	
2			3.4		
3			5.8		
4		4	6.4		SB-2-4
5			0.5	Red, CLAY, mosit	
6			5.5		
7			27.3	Red brown, clayey SILT, moist, less red with depth	
8			28.6		
9			80.3		
10			7.7		
11			63.2		
12			93.0		
13		13	130.6		SB-2-13
14			140.2		
15			126.0		
16			156.3	Orange brown, SILT, moist	
17			26.8		
18			92.7		
19				Orange brown, SILT, wet	
20				Orange, black, white, SILT, saprolitic, wet Termination of boring	

NOTES: Ref Well Log_____
Ref. Rock Core Log #_____

Date	Time	Depth to groundwater while drilling

Checked by ___KW_____ Date:____3/1/2012

amec	*Client: DSCA*		***BORING ID: SB-3/ TMW-1***
	Project Number: 565480026		
	Site Location: 1-Hour Martinizing, 2519 High Point Road, Greensboro, NC		
	Boring ID: SB-3/ TMW-1		*Sheet: 1 of 1*
	Drilling Method: Direct Push		*Monitoring Well Installed: No*
	Sample Type(s): Soil Grab, GW Grab	*Boring Diameter: 2"*	*Screened Interval: 22'-26'*
Weather: Partly Cloudy, 30's- 40's	*Logged By: John Maas*	*Date/Time Started: 1/16/12*	*Depth of Boring: 26'*
Drilling Contractor: Probe Technology, Inc.		*Date/Time Finished: 1/16/12*	*Water Level: n/a*

Depth (ft)	Groundwater Elev.	Sample Depth (ft)	PID (ppm)	**MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)**	Lab Sample ID
				Concrete	
1		1	0.3	Red, CLAY, moist	SB-3-1
2			0.3		
3			0.3		
4		4	0.2	Red, CLAY, wet (wetness possibly due to leaking pipe beneath building)	SB-3-4
5			0.4		
6			0.4		
7			0.3		
8			0.2		
9			0.2	Red brown, clayey SILT, wet (wetness possibly due to leaking pipe beneath building)	
10			0.2		
11			0.2		
12			0.2		
				Termination of soil collection, direct push to 26' for groundwater grab sample	
26		26		Termination of boring	TMW-1

NOTES: Ref Well Log_____
Ref. Rock Core Log #_____

Date	Time	Depth to groundwater while drilling

Checked by ___KW_____ Date:____3/1/2012

amec	*Client: DSCA*		***BORING ID: SB-4***
	Project Number: 565480026		
	Site Location: 1-Hour Martinizing, 2519 High Point Road, Greensboro, NC		
	Boring ID: SB-4		*Sheet: 1 of 1*
	Drilling Method: Direct Push		*Monitoring Well Installed: No*
	Sample Type(s): Soil Grab	*Boring Diameter: 2"*	*Screened Interval: n/a*
Weather: Partly Cloudy, 30's- 40's	*Logged By: John Maas*	*Date/Time Started: 1/16/12*	*Depth of Boring: 20'*
Drilling Contractor: Probe Technology, Inc.		*Date/Time Finished: 1/16/12*	*Water Level: 20'*

Depth (ft)	Groundwater Elev.	Sample Depth (ft)	PID (ppm)	**MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)**	Lab Sample ID
				Asphalt	
1			0.2	Red, gray, brown, silty CLAY, moist	
2			0.3		
3			0.3		
4		4	0.7		SB-4-4
5			0.6	Red, CLAY, mosit	
6			0.8		
7			0.7	Red brown, clayey SILT, moist, less red with depth	
8			0.7		
9			0.7		
10			0.6		
11			0.8		
12			0.8		
13			0.5		
14			0.3		
15			0.7		
16			0.6	Orange brown, SILT, moist	
17			0.7		
18			0.9		
19			0.8		
20				Orange, black, white, SILT, saprolitic, moist 19'-20', wet at 20' Termination of boring	

NOTES: Ref Well Log_____
Ref. Rock Core Log #_____

Date	Time	Depth to groundwater while drilling

Checked by ___KW_____ Date:____3/1/2012

amec	*Client: DSCA*		***BORING ID: TMW-2***
	Project Number: 565480026		
	Site Location: 1-Hour Martinizing, 2519 High Point Road, Greensboro, NC		
	Boring ID: TMW-2		*Sheet: 1 of 1*
	Drilling Method: Direct Push		*Monitoring Well Installed: No*
	Sample Type(s): GW Grab	*Boring Diameter: 2"*	*Screened Interval: 26'-30'*
Weather: Partly Cloudy, 30's- 40's	*Logged By: John Maas*	*Date/Time Started: 1/16/12*	*Depth of Boring: 30'*
Drilling Contractor: Probe Technology, Inc.		*Date/Time Finished: 1/16/12*	*Water Level: n/a*

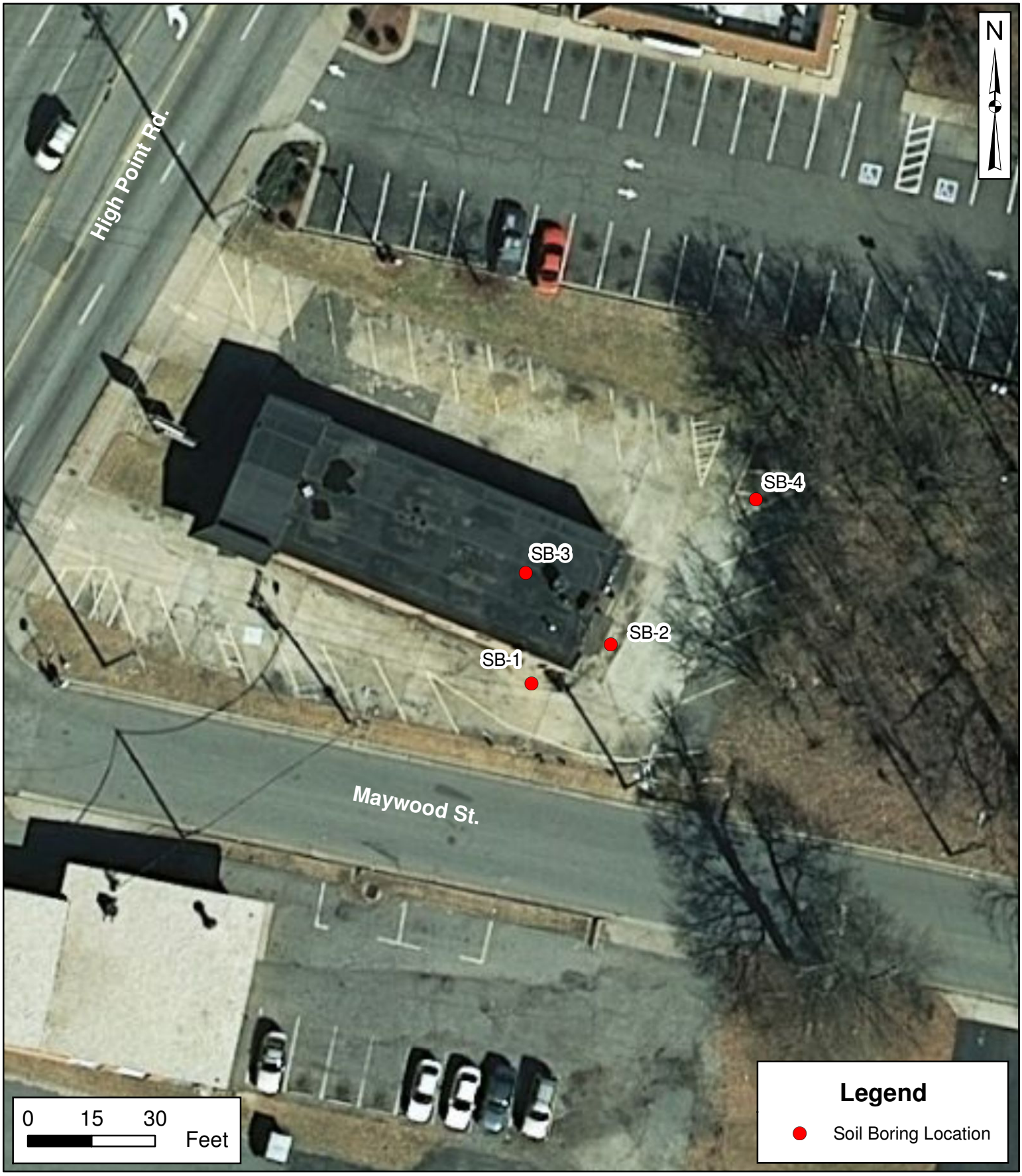
Depth (ft)	Groundwater Elev.	Sample Depth (ft)	PID (ppm)	**MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)**	Lab Sample ID
				No soil collection, direct push to 30' for groundwater grab sample	
30		30		Termination of boring	TMW-2

NOTES: Ref Well Log_____
Ref. Rock Core Log #_____

Checked by ___KW_____ Date:____3/1/2012

Date	Time	Depth to groundwater while drilling

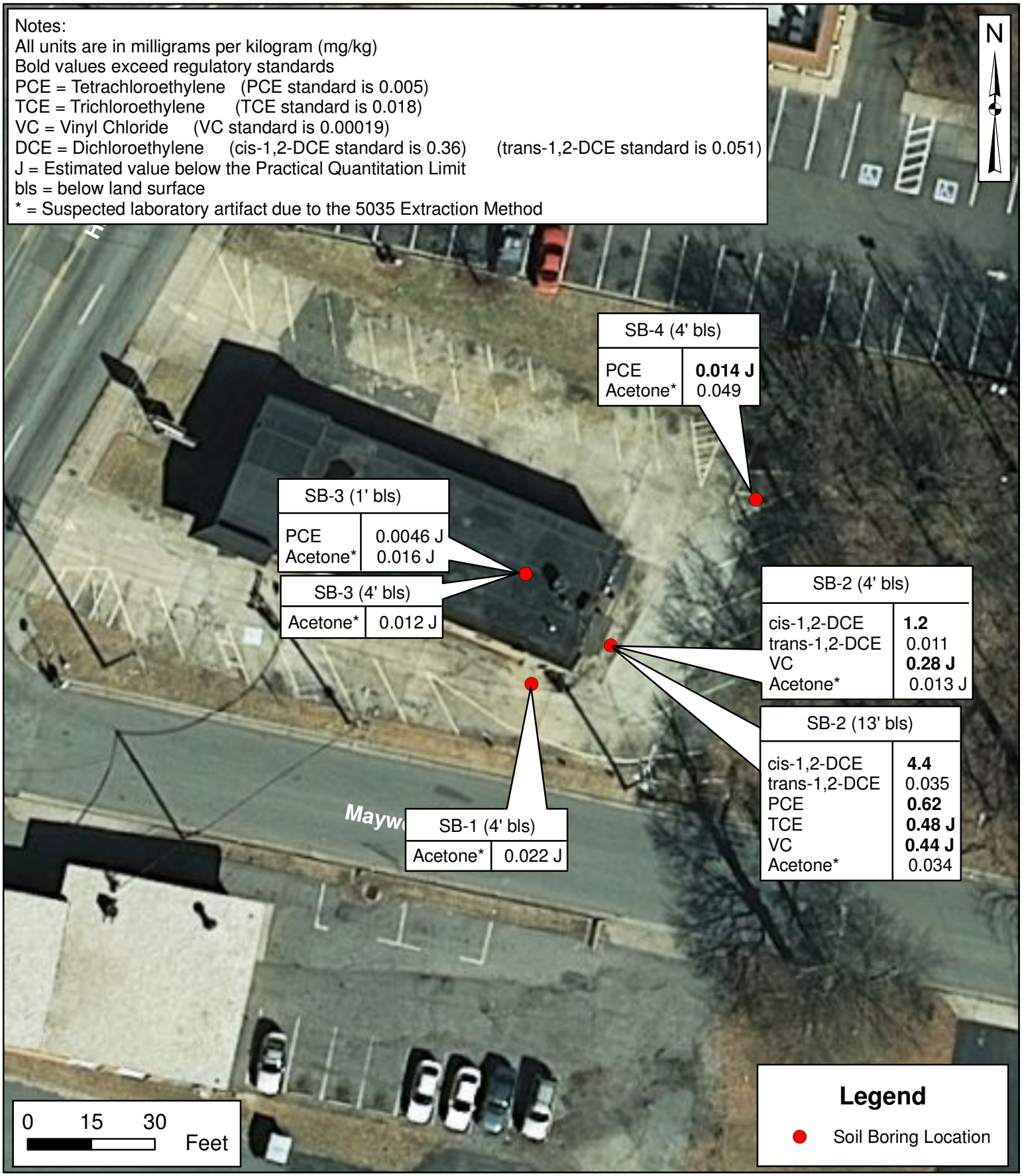
ATTACHMENT 11
Soil Boring Location Map



AMEC Environment & Infrastructure, Inc. 2200 Gateway Centre Blvd., Suite 205 Morrisville, NC 27560 (919) 447-2750	CLIENT: **NCDENR DSCA PROGRAM Raleigh, North Carolina**	SITE LOCATION: **1-HOUR MARTINIZING** 2519 HIGH POINT RD. GREENSBORO, NC	**Att No. 11**
amec	TITLE: **SOIL BORING LOCATION MAP**	SCALE: 1" = 30' / DSCA ID: 41-0039 / PROJECT: 565480026	
		DRAWN BY: A. Kellogg / CHECKED BY: K. Watkins	
		P:\ProjectFiles\DSCA Projects\DC410039 - 1 Hour Martinizing\565480026\Figures\GIS\Att 11.mxd	

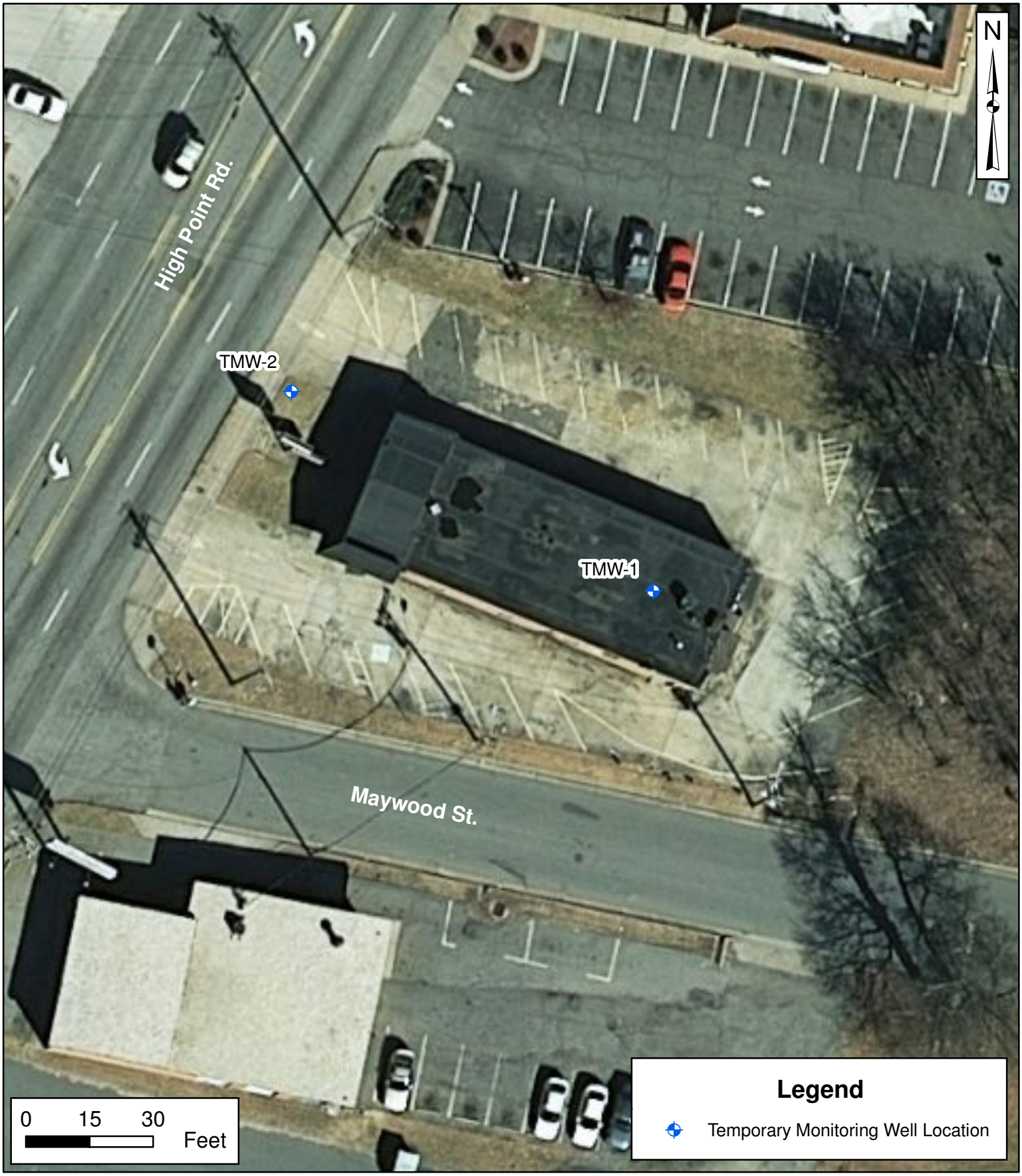
ATTACHMENT 12
Soil Contaminant Concentration Map

Notes:
All units are in milligrams per kilogram (mg/kg)
Bold values exceed regulatory standards
PCE = Tetrachloroethylene (PCE standard is 0.005)
TCE = Trichloroethylene (TCE standard is 0.018)
VC = Vinyl Chloride (VC standard is 0.00019)
DCE = Dichloroethylene (cis-1,2-DCE standard is 0.36) (trans-1,2-DCE standard is 0.051)
J = Estimated value below the Practical Quantitation Limit
bls = below land surface
* = Suspected laboratory artifact due to the 5035 Extraction Method



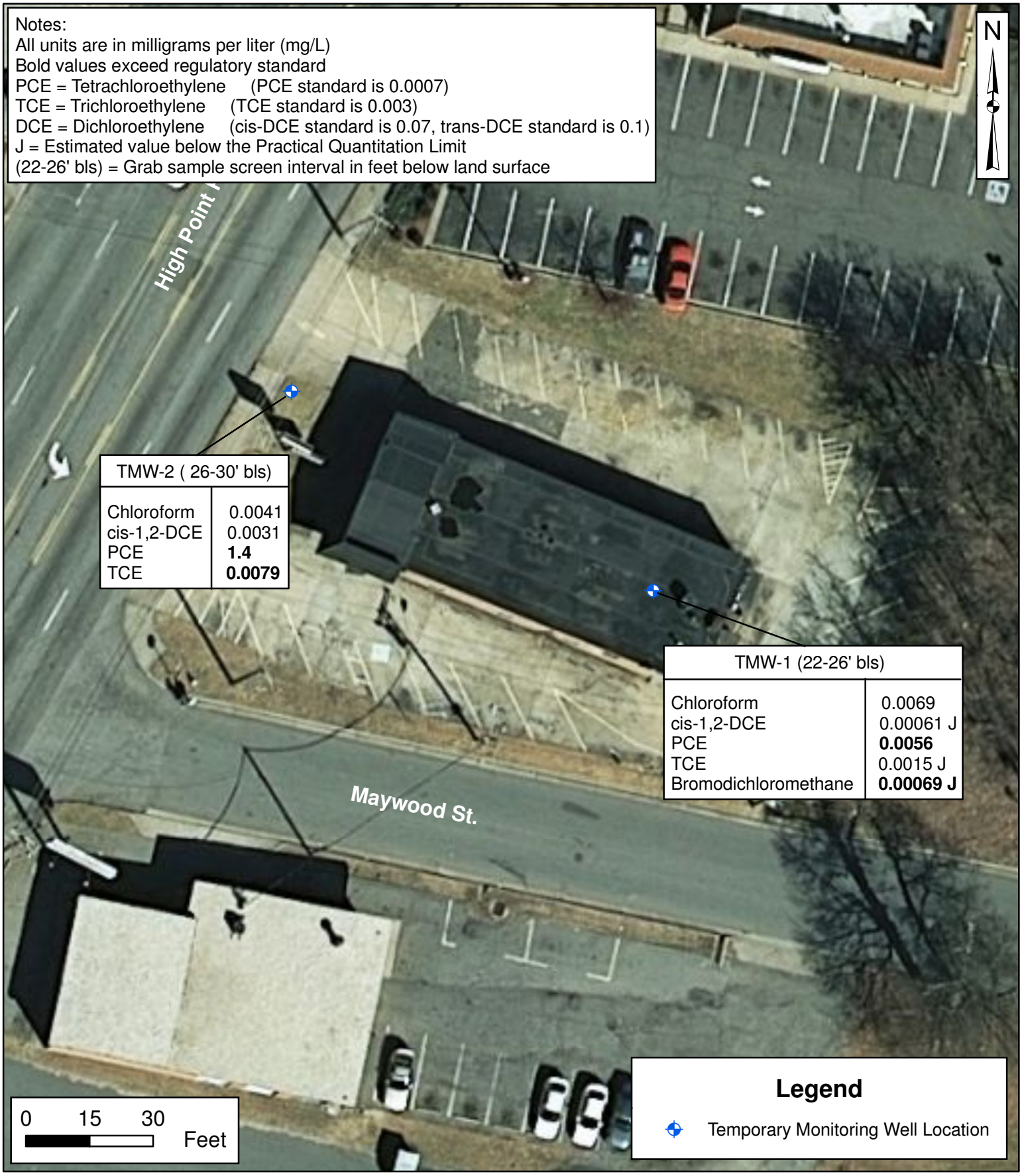
AMEC Environment & Infrastructure, Inc 2200 Gateway Centre Blvd., Suite 205 Morrisville, NC 27560 (919) 447-2750	CLIENT: **NCDENR DSCA PROGRAM Raleigh, North Carolina**	SITE LOCATION: **1-HOUR MARTINIZING** 2519 HIGH POINT RD. GREENSBORO, NC	**Att No. 12**
amec	TITLE: **SOIL ANALYTICAL DATA MAP**	SCALE: 1" = 30' / DSCA ID: 41-0039 / PROJECT: 565480026 DRAWN BY: A. Kellogg / CHECKED BY: K. Watkins	
		P:\ProjectFiles\DSCA Projects\DC410039 - 1 Hour Martinizing\565480026\Figures\GIS\Att 12.mxd	

ATTACHMENT 14
Monitoring Well Location Map



AMEC Environment & Infrastructure, Inc. 2200 Gateway Centre Blvd., Suite 205 Morrisville, NC 27560 (919) 447-2750	CLIENT: **NCDENR DSCA PROGRAM Raleigh, North Carolina**	SITE LOCATION: **1-HOUR MARTINIZING** 2519 HIGH POINT RD. GREENSBORO, NC	**Att No. 14**
amec	TITLE: **MONITORING WELL LOCATION MAP**	SCALE: 1" = 30' / DSCA ID: 41-0039 / PROJECT: 565480026	
		DRAWN BY: A. Kellogg / CHECKED BY: K. Watkins	
		P:\ProjectFiles\DSCA Projects\DC410039 - 1 Hour Martinizing\565480026\Figures\GIS\Att 14.mxd	

ATTACHMENT 17
Groundwater Contaminant Concentration Map



AMEC Environment & Infrastructure, Inc. 2200 Gateway Centre Blvd., Suite 205 Morrisville, NC 27560 (919) 447-2750	CLIENT: **NCDENR DSCA PROGRAM Raleigh, North Carolina**	SITE LOCATION: **1-HOUR MARTINIZING** 2519 HIGH POINT RD. GREENSBORO, NC	**Att No.**
amec	TITLE: **GROUNDWATER ANALYTICAL DATA MAP**	SCALE: 1" = 30' / DSCA ID: 41-0039 / PROJECT: 565480026 DRAWN BY: A. Kellogg / CHECKED BY: K. Watkins	**17**
		P:\ProjectFiles\DSCA Projects\DC410039 - 1 Hour Martinizing\565480026\Figures\GIS\Att 17.mxd	

ATTACHMENT 21
Laboratory Analytical Reports

Case Narrative

01/26/2012

AMEC Env. & Infrastructure Inc (Morrisville)
Katie A. Watkins
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: 1 Hr. Martinizing
Project No.: Greensboro, NC
Lab Submittal Date: 01/17/2012
Prism Work Order: 2010352

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

Please call if you have any questions relating to this analytical report.

Respectfully,

PRISM LABORATORIES, INC.

President/Project Manager

Reviewed By

Data Qualifiers Key Reference:

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
BRL	Below Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
*	Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Sample Receipt Summary

01/26/2012

Prism Work Order: 2010352

Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
SB-1-4	2010352-01	Solid	01/16/12	01/17/12
SB-2-4	2010352-02	Solid	01/16/12	01/17/12
SB-2-13	2010352-03	Solid	01/16/12	01/17/12
SB-3-1	2010352-04	Solid	01/16/12	01/17/12
SB-3-4	2010352-05	Solid	01/16/12	01/17/12
SB-4-4	2010352-06	Solid	01/16/12	01/17/12
TMW-1	2010352-07	Water	01/16/12	01/17/12
TMW-2	2010352-08	Water	01/16/12	01/17/12

Samples received in good condition at 4.8 degrees C unless otherwise noted.

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Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Summary of Detections

01/26/2012

Prism Work Order: 2010352

Prism ID	Client ID	Parameter	Method	Result		Units
2010352-01	SB-1-4	Acetone	8260B	22	J	ug/kg dry
2010352-02	SB-2-4	Acetone	8260B	13	J	ug/kg dry
2010352-02	SB-2-4	trans-1,2-Dichloroethylene	8260B	11		ug/kg dry
2010352-02	SB-2-4	cis-1,2-Dichloroethylene	8260B	1200		ug/kg dry
2010352-02	SB-2-4	Vinyl chloride	8260B	280	J	ug/kg dry
2010352-03	SB-2-13	Acetone	8260B	34		ug/kg dry
2010352-03	SB-2-13	trans-1,2-Dichloroethylene	8260B	35		ug/kg dry
2010352-03	SB-2-13	cis-1,2-Dichloroethylene	8260B	4400		ug/kg dry
2010352-03	SB-2-13	Tetrachloroethylene	8260B	620		ug/kg dry
2010352-03	SB-2-13	Trichloroethylene	8260B	480	J	ug/kg dry
2010352-03	SB-2-13	Vinyl chloride	8260B	440	J	ug/kg dry
2010352-04	SB-3-1	Acetone	8260B	16	J	ug/kg dry
2010352-04	SB-3-1	Tetrachloroethylene	8260B	4.6	J	ug/kg dry
2010352-05	SB-3-4	Acetone	8260B	12	J	ug/kg dry
2010352-06	SB-4-4	Acetone	8260B	49		ug/kg dry
2010352-06	SB-4-4	Tetrachloroethylene	8260B	14	J	ug/kg dry
2010352-07	TMW-1	Bromodichloromethane	8260B	0.69	J	ug/L
2010352-07	TMW-1	Chloroform	8260B	6.9		ug/L
2010352-07	TMW-1	cis-1,2-Dichloroethylene	8260B	0.61	J	ug/L
2010352-07	TMW-1	Tetrachloroethylene	8260B	5.6		ug/L
2010352-07	TMW-1	Trichloroethylene	8260B	1.5	J	ug/L
2010352-08	TMW-2	Chloroform	8260B	4.1		ug/L
2010352-08	TMW-2	cis-1,2-Dichloroethylene	8260B	3.1		ug/L
2010352-08	TMW-2	Tetrachloroethylene	8260B	1400		ug/L
2010352-08	TMW-2	Trichloroethylene	8260B	7.9		ug/L

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Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Katie A. Watkins
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: 1 Hr. Martinizing
Project No.: Greensboro, NC
Sample Matrix: Solid

Client Sample ID: SB-1-4
Prism Sample ID: 2010352-01
Prism Work Order: 2010352
Time Collected: 01/16/12 11:00
Time Submitted: 01/17/12 15:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**74.9**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**1/23/12 14:30**	**JAB**	**P2A0383**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/kg dry	5.7	0.34	1	8260B	1/20/12 14:55	VHL	P2A0355
1,1,1-Trichloroethane	BRL	ug/kg dry	5.7	0.19	1	8260B	1/20/12 14:55	VHL	P2A0355
1,1,2,2-Tetrachloroethane	BRL	ug/kg dry	5.7	0.94	1	8260B	1/20/12 14:55	VHL	P2A0355
1,1,2-Trichloroethane	BRL	ug/kg dry	5.7	0.48	1	8260B	1/20/12 14:55	VHL	P2A0355
1,1-Dichloroethane	BRL	ug/kg dry	5.7	0.48	1	8260B	1/20/12 14:55	VHL	P2A0355
1,1-Dichloroethylene	BRL	ug/kg dry	5.7	0.34	1	8260B	1/20/12 14:55	VHL	P2A0355
1,1-Dichloropropylene	BRL	ug/kg dry	5.7	0.60	1	8260B	1/20/12 14:55	VHL	P2A0355
1,2,3-Trichlorobenzene	BRL	ug/kg dry	11	0.42	1	8260B	1/20/12 14:55	VHL	P2A0355
1,2,3-Trichloropropane	BRL	ug/kg dry	5.7	0.86	1	8260B	1/20/12 14:55	VHL	P2A0355
1,2,4-Trichlorobenzene	BRL	ug/kg dry	11	0.33	1	8260B	1/20/12 14:55	VHL	P2A0355
1,2,4-Trimethylbenzene	BRL	ug/kg dry	11	1.1	1	8260B	1/20/12 14:55	VHL	P2A0355
1,2-Dibromo-3-chloropropane	BRL	ug/kg dry	5.7	1.8	1	8260B	1/20/12 14:55	VHL	P2A0355
1,2-Dibromoethane	BRL	ug/kg dry	5.7	0.65	1	8260B	1/20/12 14:55	VHL	P2A0355
1,2-Dichlorobenzene	BRL	ug/kg dry	11	0.26	1	8260B	1/20/12 14:55	VHL	P2A0355
1,2-Dichloroethane	BRL	ug/kg dry	5.7	0.91	1	8260B	1/20/12 14:55	VHL	P2A0355
1,2-Dichloropropane	BRL	ug/kg dry	5.7	0.36	1	8260B	1/20/12 14:55	VHL	P2A0355
1,3,5-Trimethylbenzene	BRL	ug/kg dry	11	0.27	1	8260B	1/20/12 14:55	VHL	P2A0355
1,3-Dichlorobenzene	BRL	ug/kg dry	11	0.078	1	8260B	1/20/12 14:55	VHL	P2A0355
1,3-Dichloropropane	BRL	ug/kg dry	5.7	0.61	1	8260B	1/20/12 14:55	VHL	P2A0355
1,4-Dichlorobenzene	BRL	ug/kg dry	11	0.41	1	8260B	1/20/12 14:55	VHL	P2A0355
2,2-Dichloropropane	BRL	ug/kg dry	5.7	0.36	1	8260B	1/20/12 14:55	VHL	P2A0355
2-Chloroethyl Vinyl Ether	BRL	ug/kg dry	11	3.2	1	8260B	1/20/12 14:55	VHL	P2A0355
2-Chlorotoluene	BRL	ug/kg dry	11	0.35	1	8260B	1/20/12 14:55	VHL	P2A0355
4-Chlorotoluene	BRL	ug/kg dry	11	0.27	1	8260B	1/20/12 14:55	VHL	P2A0355
4-Isopropyltoluene	BRL	ug/kg dry	17	0.36	1	8260B	1/20/12 14:55	VHL	P2A0355
Acetone	**22 J**	**ug/kg dry**	**23**	**3.0**	**1**	**8260B**	**1/20/12 14:55**	**VHL**	**P2A0355**
Acrolein	BRL	ug/kg dry	110	3.4	1	8260B	1/20/12 14:55	VHL	P2A0355
Acrylonitrile	BRL	ug/kg dry	110	2.8	1	8260B	1/20/12 14:55	VHL	P2A0355
Benzene	BRL	ug/kg dry	3.4	0.34	1	8260B	1/20/12 14:55	VHL	P2A0355
Bromobenzene	BRL	ug/kg dry	5.7	0.24	1	8260B	1/20/12 14:55	VHL	P2A0355
Bromochloromethane	BRL	ug/kg dry	5.7	0.83	1	8260B	1/20/12 14:55	VHL	P2A0355
Bromodichloromethane	BRL	ug/kg dry	5.7	0.26	1	8260B	1/20/12 14:55	VHL	P2A0355
Bromoform	BRL	ug/kg dry	5.7	1.0	1	8260B	1/20/12 14:55	VHL	P2A0355
Bromomethane	BRL	ug/kg dry	11	1.6	1	8260B	1/20/12 14:55	VHL	P2A0355
Carbon disulfide	BRL	ug/kg dry	11	0.47	1	8260B	1/20/12 14:55	VHL	P2A0355
Carbon Tetrachloride	BRL	ug/kg dry	5.7	0.31	1	8260B	1/20/12 14:55	VHL	P2A0355
Chlorobenzene	BRL	ug/kg dry	5.7	0.26	1	8260B	1/20/12 14:55	VHL	P2A0355
Chloroethane	BRL	ug/kg dry	11	4.3	1	8260B	1/20/12 14:55	VHL	P2A0355
Chloroform	BRL	ug/kg dry	5.7	0.24	1	8260B	1/20/12 14:55	VHL	P2A0355

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AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Katie A. Watkins
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: 1 Hr. Martinizing
Project No.: Greensboro, NC
Sample Matrix: Solid

Client Sample ID: SB-1-4
Prism Sample ID: 2010352-01
Prism Work Order: 2010352
Time Collected: 01/16/12 11:00
Time Submitted: 01/17/12 15:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chloromethane	BRL	ug/kg dry	11	2.9	1	8260B	1/20/12 14:55	VHL	P2A0355
cis-1,2-Dichloroethylene	BRL	ug/kg dry	5.7	0.46	1	8260B	1/20/12 14:55	VHL	P2A0355
cis-1,3-Dichloropropylene	BRL	ug/kg dry	5.7	0.28	1	8260B	1/20/12 14:55	VHL	P2A0355
Dibromochloromethane	BRL	ug/kg dry	5.7	0.39	1	8260B	1/20/12 14:55	VHL	P2A0355
Dibromomethane	BRL	ug/kg dry	5.7	0.38	1	8260B	1/20/12 14:55	VHL	P2A0355
Dichlorodifluoromethane	BRL	ug/kg dry	11	0.61	1	8260B	1/20/12 14:55	VHL	P2A0355
Ethylbenzene	BRL	ug/kg dry	5.7	0.36	1	8260B	1/20/12 14:55	VHL	P2A0355
Hexachlorobutadiene	BRL	ug/kg dry	17	0.73	1	8260B	1/20/12 14:55	VHL	P2A0355
Isopropyl Ether	BRL	ug/kg dry	5.7	0.24	1	8260B	1/20/12 14:55	VHL	P2A0355
Isopropylbenzene (Cumene)	BRL	ug/kg dry	11	0.28	1	8260B	1/20/12 14:55	VHL	P2A0355
m,p-Xylenes	BRL	ug/kg dry	11	0.73	1	8260B	1/20/12 14:55	VHL	P2A0355
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/kg dry	57	1.2	1	8260B	1/20/12 14:55	VHL	P2A0355
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/kg dry	23	2.0	1	8260B	1/20/12 14:55	VHL	P2A0355
Methyl Isobutyl Ketone	BRL	ug/kg dry	11	1.5	1	8260B	1/20/12 14:55	VHL	P2A0355
Methylene Chloride	BRL	ug/kg dry	11	0.41	1	8260B	1/20/12 14:55	VHL	P2A0355
Methyl-tert-Butyl Ether	BRL	ug/kg dry	5.7	0.44	1	8260B	1/20/12 14:55	VHL	P2A0355
Naphthalene	BRL	ug/kg dry	5.7	0.42	1	8260B	1/20/12 14:55	VHL	P2A0355
n-Butylbenzene	BRL	ug/kg dry	17	0.25	1	8260B	1/20/12 14:55	VHL	P2A0355
n-Propylbenzene	BRL	ug/kg dry	11	0.32	1	8260B	1/20/12 14:55	VHL	P2A0355
o-Xylene	BRL	ug/kg dry	5.7	0.36	1	8260B	1/20/12 14:55	VHL	P2A0355
sec-Butylbenzene	BRL	ug/kg dry	17	0.23	1	8260B	1/20/12 14:55	VHL	P2A0355
Styrene	BRL	ug/kg dry	5.7	0.25	1	8260B	1/20/12 14:55	VHL	P2A0355
tert-Butylbenzene	BRL	ug/kg dry	23	0.29	1	8260B	1/20/12 14:55	VHL	P2A0355
Tetrachloroethylene	BRL	ug/kg dry	11	0.39	1	8260B	1/20/12 14:55	VHL	P2A0355
Toluene	BRL	ug/kg dry	5.7	0.34	1	8260B	1/20/12 14:55	VHL	P2A0355
trans-1,2-Dichloroethylene	BRL	ug/kg dry	5.7	0.66	1	8260B	1/20/12 14:55	VHL	P2A0355
trans-1,3-Dichloropropylene	BRL	ug/kg dry	5.7	0.27	1	8260B	1/20/12 14:55	VHL	P2A0355
Trichloroethylene	BRL	ug/kg dry	5.7	0.52	1	8260B	1/20/12 14:55	VHL	P2A0355
Trichlorofluoromethane	BRL	ug/kg dry	5.7	0.46	1	8260B	1/20/12 14:55	VHL	P2A0355
Vinyl acetate	BRL	ug/kg dry	11	1.6	1	8260B	1/20/12 14:55	VHL	P2A0355
Vinyl chloride	BRL	ug/kg dry	11	0.73	1	8260B	1/20/12 14:55	VHL	P2A0355

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*103 %*	*70-130*
Dibromofluoromethane	*106 %*	*84-123*
Toluene-d8	*102 %*	*76-129*

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AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Katie A. Watkins
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: 1 Hr. Martinizing
Project No.: Greensboro, NC
Sample Matrix: Solid

Client Sample ID: SB-2-4
Prism Sample ID: 2010352-02
Prism Work Order: 2010352
Time Collected: 01/16/12 11:55
Time Submitted: 01/17/12 15:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**72.5**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**1/23/12 14:30**	**JAB**	**P2A0383**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/kg dry	5.8	0.35	1	8260B	1/20/12 15:29	VHL	P2A0355
1,1,1-Trichloroethane	BRL	ug/kg dry	5.8	0.19	1	8260B	1/20/12 15:29	VHL	P2A0355
1,1,2,2-Tetrachloroethane	BRL	ug/kg dry	5.8	0.95	1	8260B	1/20/12 15:29	VHL	P2A0355
1,1,2-Trichloroethane	BRL	ug/kg dry	5.8	0.49	1	8260B	1/20/12 15:29	VHL	P2A0355
1,1-Dichloroethane	BRL	ug/kg dry	5.8	0.49	1	8260B	1/20/12 15:29	VHL	P2A0355
1,1-Dichloroethylene	BRL	ug/kg dry	5.8	0.35	1	8260B	1/20/12 15:29	VHL	P2A0355
1,1-Dichloropropylene	BRL	ug/kg dry	5.8	0.61	1	8260B	1/20/12 15:29	VHL	P2A0355
1,2,3-Trichlorobenzene	BRL	ug/kg dry	12	0.43	1	8260B	1/20/12 15:29	VHL	P2A0355
1,2,3-Trichloropropane	BRL	ug/kg dry	5.8	0.87	1	8260B	1/20/12 15:29	VHL	P2A0355
1,2,4-Trichlorobenzene	BRL	ug/kg dry	12	0.34	1	8260B	1/20/12 15:29	VHL	P2A0355
1,2,4-Trimethylbenzene	BRL	ug/kg dry	12	1.1	1	8260B	1/20/12 15:29	VHL	P2A0355
1,2-Dibromo-3-chloropropane	BRL	ug/kg dry	5.8	1.8	1	8260B	1/20/12 15:29	VHL	P2A0355
1,2-Dibromoethane	BRL	ug/kg dry	5.8	0.66	1	8260B	1/20/12 15:29	VHL	P2A0355
1,2-Dichlorobenzene	BRL	ug/kg dry	12	0.26	1	8260B	1/20/12 15:29	VHL	P2A0355
1,2-Dichloroethane	BRL	ug/kg dry	5.8	0.93	1	8260B	1/20/12 15:29	VHL	P2A0355
1,2-Dichloropropane	BRL	ug/kg dry	5.8	0.37	1	8260B	1/20/12 15:29	VHL	P2A0355
1,3,5-Trimethylbenzene	BRL	ug/kg dry	12	0.28	1	8260B	1/20/12 15:29	VHL	P2A0355
1,3-Dichlorobenzene	BRL	ug/kg dry	12	0.080	1	8260B	1/20/12 15:29	VHL	P2A0355
1,3-Dichloropropane	BRL	ug/kg dry	5.8	0.62	1	8260B	1/20/12 15:29	VHL	P2A0355
1,4-Dichlorobenzene	BRL	ug/kg dry	12	0.42	1	8260B	1/20/12 15:29	VHL	P2A0355
2,2-Dichloropropane	BRL	ug/kg dry	5.8	0.36	1	8260B	1/20/12 15:29	VHL	P2A0355
2-Chloroethyl Vinyl Ether	BRL	ug/kg dry	12	3.2	1	8260B	1/20/12 15:29	VHL	P2A0355
2-Chlorotoluene	BRL	ug/kg dry	12	0.35	1	8260B	1/20/12 15:29	VHL	P2A0355
4-Chlorotoluene	BRL	ug/kg dry	12	0.27	1	8260B	1/20/12 15:29	VHL	P2A0355
4-Isopropyltoluene	BRL	ug/kg dry	17	0.37	1	8260B	1/20/12 15:29	VHL	P2A0355
Acetone	**13 J**	**ug/kg dry**	**23**	**3.1**	**1**	**8260B**	**1/20/12 15:29**	**VHL**	**P2A0355**
Acrolein	BRL	ug/kg dry	120	3.5	1	8260B	1/20/12 15:29	VHL	P2A0355
Acrylonitrile	BRL	ug/kg dry	120	2.9	1	8260B	1/20/12 15:29	VHL	P2A0355
Benzene	BRL	ug/kg dry	3.5	0.35	1	8260B	1/20/12 15:29	VHL	P2A0355
Bromobenzene	BRL	ug/kg dry	5.8	0.25	1	8260B	1/20/12 15:29	VHL	P2A0355
Bromochloromethane	BRL	ug/kg dry	5.8	0.84	1	8260B	1/20/12 15:29	VHL	P2A0355
Bromodichloromethane	BRL	ug/kg dry	5.8	0.27	1	8260B	1/20/12 15:29	VHL	P2A0355
Bromoform	BRL	ug/kg dry	5.8	1.0	1	8260B	1/20/12 15:29	VHL	P2A0355
Bromomethane	BRL	ug/kg dry	12	1.6	1	8260B	1/20/12 15:29	VHL	P2A0355
Carbon disulfide	BRL	ug/kg dry	12	0.48	1	8260B	1/20/12 15:29	VHL	P2A0355
Carbon Tetrachloride	BRL	ug/kg dry	5.8	0.31	1	8260B	1/20/12 15:29	VHL	P2A0355
Chlorobenzene	BRL	ug/kg dry	5.8	0.27	1	8260B	1/20/12 15:29	VHL	P2A0355
Chloroethane	BRL	ug/kg dry	12	4.4	1	8260B	1/20/12 15:29	VHL	P2A0355
Chloroform	BRL	ug/kg dry	5.8	0.24	1	8260B	1/20/12 15:29	VHL	P2A0355

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AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Katie A. Watkins
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: 1 Hr. Martinizing
Project No.: Greensboro, NC
Sample Matrix: Solid

Client Sample ID: SB-2-4
Prism Sample ID: 2010352-02
Prism Work Order: 2010352
Time Collected: 01/16/12 11:55
Time Submitted: 01/17/12 15:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chloromethane	BRL	ug/kg dry	12	2.9	1	8260B	1/20/12 15:29	VHL	P2A0355
cis-1,2-Dichloroethylene	See 8260ML	ug/kg dry	5.8	0.47	1	8260B	1/20/12 15:29	VHL	P2A0355
cis-1,3-Dichloropropylene	BRL	ug/kg dry	5.8	0.29	1	8260B	1/20/12 15:29	VHL	P2A0355
Dibromochloromethane	BRL	ug/kg dry	5.8	0.39	1	8260B	1/20/12 15:29	VHL	P2A0355
Dibromomethane	BRL	ug/kg dry	5.8	0.39	1	8260B	1/20/12 15:29	VHL	P2A0355
Dichlorodifluoromethane	BRL	ug/kg dry	12	0.62	1	8260B	1/20/12 15:29	VHL	P2A0355
Ethylbenzene	BRL	ug/kg dry	5.8	0.37	1	8260B	1/20/12 15:29	VHL	P2A0355
Hexachlorobutadiene	BRL	ug/kg dry	17	0.74	1	8260B	1/20/12 15:29	VHL	P2A0355
Isopropyl Ether	BRL	ug/kg dry	5.8	0.25	1	8260B	1/20/12 15:29	VHL	P2A0355
Isopropylbenzene (Cumene)	BRL	ug/kg dry	12	0.29	1	8260B	1/20/12 15:29	VHL	P2A0355
m,p-Xylenes	BRL	ug/kg dry	12	0.74	1	8260B	1/20/12 15:29	VHL	P2A0355
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/kg dry	58	1.2	1	8260B	1/20/12 15:29	VHL	P2A0355
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/kg dry	23	2.1	1	8260B	1/20/12 15:29	VHL	P2A0355
Methyl Isobutyl Ketone	BRL	ug/kg dry	12	1.5	1	8260B	1/20/12 15:29	VHL	P2A0355
Methylene Chloride	BRL	ug/kg dry	12	0.42	1	8260B	1/20/12 15:29	VHL	P2A0355
Methyl-tert-Butyl Ether	BRL	ug/kg dry	5.8	0.44	1	8260B	1/20/12 15:29	VHL	P2A0355
Naphthalene	BRL	ug/kg dry	5.8	0.42	1	8260B	1/20/12 15:29	VHL	P2A0355
n-Butylbenzene	BRL	ug/kg dry	17	0.25	1	8260B	1/20/12 15:29	VHL	P2A0355
n-Propylbenzene	BRL	ug/kg dry	12	0.33	1	8260B	1/20/12 15:29	VHL	P2A0355
o-Xylene	BRL	ug/kg dry	5.8	0.37	1	8260B	1/20/12 15:29	VHL	P2A0355
sec-Butylbenzene	BRL	ug/kg dry	17	0.23	1	8260B	1/20/12 15:29	VHL	P2A0355
Styrene	BRL	ug/kg dry	5.8	0.25	1	8260B	1/20/12 15:29	VHL	P2A0355
tert-Butylbenzene	BRL	ug/kg dry	23	0.30	1	8260B	1/20/12 15:29	VHL	P2A0355
Tetrachloroethylene	BRL	ug/kg dry	12	0.40	1	8260B	1/20/12 15:29	VHL	P2A0355
Toluene	BRL	ug/kg dry	5.8	0.34	1	8260B	1/20/12 15:29	VHL	P2A0355
trans-1,2-Dichloroethylene	**11**	**ug/kg dry**	**5.8**	**0.67**	**1**	**8260B**	**1/20/12 15:29**	**VHL**	**P2A0355**
trans-1,3-Dichloropropylene	BRL	ug/kg dry	5.8	0.28	1	8260B	1/20/12 15:29	VHL	P2A0355
Trichloroethylene	BRL	ug/kg dry	5.8	0.53	1	8260B	1/20/12 15:29	VHL	P2A0355
Trichlorofluoromethane	BRL	ug/kg dry	5.8	0.47	1	8260B	1/20/12 15:29	VHL	P2A0355
Vinyl acetate	BRL	ug/kg dry	12	1.6	1	8260B	1/20/12 15:29	VHL	P2A0355
Vinyl chloride	See 8260ML	ug/kg dry	12	0.75	1	8260B	1/20/12 15:29	VHL	P2A0355

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*104 %*	*70-130*
Dibromofluoromethane	*101 %*	*84-123*
Toluene-d8	*98 %*	*76-129*

Volatile Organic Compounds by GC/MS (Medium Level)

cis-1,2-Dichloroethylene	**1200**	**ug/kg dry**	**290**	**78**	**50**	**8260B**	**1/23/12 13:34**	**VHL**	**P2A0391**
Vinyl chloride	**280 J**	**ug/kg dry**	**590**	**120**	**50**	**8260B**	**1/23/12 13:34**	**VHL**	**P2A0391**

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*92 %*	*70-130*
Dibromofluoromethane	*84 %*	*70-130*
Toluene-d8	*90 %*	*70-130*

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AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Katie A. Watkins
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: 1 Hr. Martinizing
Project No.: Greensboro, NC
Sample Matrix: Solid

Client Sample ID: SB-2-13
Prism Sample ID: 2010352-03
Prism Work Order: 2010352
Time Collected: 01/16/12 12:00
Time Submitted: 01/17/12 15:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**69.5**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**1/23/12 14:30**	**JAB**	**P2A0383**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/kg dry	6.2	0.37	1	8260B	1/20/12 16:02	VHL	P2A0355
1,1,1-Trichloroethane	BRL	ug/kg dry	6.2	0.20	1	8260B	1/20/12 16:02	VHL	P2A0355
1,1,2,2-Tetrachloroethane	BRL	ug/kg dry	6.2	1.0	1	8260B	1/20/12 16:02	VHL	P2A0355
1,1,2-Trichloroethane	BRL	ug/kg dry	6.2	0.52	1	8260B	1/20/12 16:02	VHL	P2A0355
1,1-Dichloroethane	BRL	ug/kg dry	6.2	0.52	1	8260B	1/20/12 16:02	VHL	P2A0355
1,1-Dichloroethylene	BRL	ug/kg dry	6.2	0.38	1	8260B	1/20/12 16:02	VHL	P2A0355
1,1-Dichloropropylene	BRL	ug/kg dry	6.2	0.65	1	8260B	1/20/12 16:02	VHL	P2A0355
1,2,3-Trichlorobenzene	BRL	ug/kg dry	12	0.46	1	8260B	1/20/12 16:02	VHL	P2A0355
1,2,3-Trichloropropane	BRL	ug/kg dry	6.2	0.94	1	8260B	1/20/12 16:02	VHL	P2A0355
1,2,4-Trichlorobenzene	BRL	ug/kg dry	12	0.36	1	8260B	1/20/12 16:02	VHL	P2A0355
1,2,4-Trimethylbenzene	BRL	ug/kg dry	12	1.2	1	8260B	1/20/12 16:02	VHL	P2A0355
1,2-Dibromo-3-chloropropane	BRL	ug/kg dry	6.2	1.9	1	8260B	1/20/12 16:02	VHL	P2A0355
1,2-Dibromoethane	BRL	ug/kg dry	6.2	0.71	1	8260B	1/20/12 16:02	VHL	P2A0355
1,2-Dichlorobenzene	BRL	ug/kg dry	12	0.28	1	8260B	1/20/12 16:02	VHL	P2A0355
1,2-Dichloroethane	BRL	ug/kg dry	6.2	1.0	1	8260B	1/20/12 16:02	VHL	P2A0355
1,2-Dichloropropane	BRL	ug/kg dry	6.2	0.39	1	8260B	1/20/12 16:02	VHL	P2A0355
1,3,5-Trimethylbenzene	BRL	ug/kg dry	12	0.30	1	8260B	1/20/12 16:02	VHL	P2A0355
1,3-Dichlorobenzene	BRL	ug/kg dry	12	0.086	1	8260B	1/20/12 16:02	VHL	P2A0355
1,3-Dichloropropane	BRL	ug/kg dry	6.2	0.67	1	8260B	1/20/12 16:02	VHL	P2A0355
1,4-Dichlorobenzene	BRL	ug/kg dry	12	0.45	1	8260B	1/20/12 16:02	VHL	P2A0355
2,2-Dichloropropane	BRL	ug/kg dry	6.2	0.39	1	8260B	1/20/12 16:02	VHL	P2A0355
2-Chloroethyl Vinyl Ether	BRL	ug/kg dry	12	3.5	1	8260B	1/20/12 16:02	VHL	P2A0355
2-Chlorotoluene	BRL	ug/kg dry	12	0.38	1	8260B	1/20/12 16:02	VHL	P2A0355
4-Chlorotoluene	BRL	ug/kg dry	12	0.29	1	8260B	1/20/12 16:02	VHL	P2A0355
4-Isopropyltoluene	BRL	ug/kg dry	19	0.39	1	8260B	1/20/12 16:02	VHL	P2A0355
Acetone	**34**	**ug/kg dry**	**25**	**3.3**	**1**	**8260B**	**1/20/12 16:02**	**VHL**	**P2A0355**
Acrolein	BRL	ug/kg dry	120	3.8	1	8260B	1/20/12 16:02	VHL	P2A0355
Acrylonitrile	BRL	ug/kg dry	120	3.1	1	8260B	1/20/12 16:02	VHL	P2A0355
Benzene	BRL	ug/kg dry	3.7	0.38	1	8260B	1/20/12 16:02	VHL	P2A0355
Bromobenzene	BRL	ug/kg dry	6.2	0.26	1	8260B	1/20/12 16:02	VHL	P2A0355
Bromochloromethane	BRL	ug/kg dry	6.2	0.90	1	8260B	1/20/12 16:02	VHL	P2A0355
Bromodichloromethane	BRL	ug/kg dry	6.2	0.29	1	8260B	1/20/12 16:02	VHL	P2A0355
Bromoform	BRL	ug/kg dry	6.2	1.1	1	8260B	1/20/12 16:02	VHL	P2A0355
Bromomethane	BRL	ug/kg dry	12	1.7	1	8260B	1/20/12 16:02	VHL	P2A0355
Carbon disulfide	BRL	ug/kg dry	12	0.52	1	8260B	1/20/12 16:02	VHL	P2A0355
Carbon Tetrachloride	BRL	ug/kg dry	6.2	0.34	1	8260B	1/20/12 16:02	VHL	P2A0355
Chlorobenzene	BRL	ug/kg dry	6.2	0.29	1	8260B	1/20/12 16:02	VHL	P2A0355
Chloroethane	BRL	ug/kg dry	12	4.7	1	8260B	1/20/12 16:02	VHL	P2A0355
Chloroform	BRL	ug/kg dry	6.2	0.26	1	8260B	1/20/12 16:02	VHL	P2A0355

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AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Katie A. Watkins
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: 1 Hr. Martinizing
Project No.: Greensboro, NC
Sample Matrix: Solid

Client Sample ID: SB-2-13
Prism Sample ID: 2010352-03
Prism Work Order: 2010352
Time Collected: 01/16/12 12:00
Time Submitted: 01/17/12 15:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chloromethane	BRL	ug/kg dry	12	3.2	1	8260B	1/20/12 16:02	VHL	P2A0355
cis-1,2-Dichloroethylene	See 8260ML	ug/kg dry	6.2	0.50	1	8260B	1/20/12 16:02	VHL	P2A0355
cis-1,3-Dichloropropylene	BRL	ug/kg dry	6.2	0.31	1	8260B	1/20/12 16:02	VHL	P2A0355
Dibromochloromethane	BRL	ug/kg dry	6.2	0.42	1	8260B	1/20/12 16:02	VHL	P2A0355
Dibromomethane	BRL	ug/kg dry	6.2	0.42	1	8260B	1/20/12 16:02	VHL	P2A0355
Dichlorodifluoromethane	BRL	ug/kg dry	12	0.66	1	8260B	1/20/12 16:02	VHL	P2A0355
Ethylbenzene	BRL	ug/kg dry	6.2	0.40	1	8260B	1/20/12 16:02	VHL	P2A0355
Hexachlorobutadiene	BRL	ug/kg dry	19	0.80	1	8260B	1/20/12 16:02	VHL	P2A0355
Isopropyl Ether	BRL	ug/kg dry	6.2	0.27	1	8260B	1/20/12 16:02	VHL	P2A0355
Isopropylbenzene (Cumene)	BRL	ug/kg dry	12	0.31	1	8260B	1/20/12 16:02	VHL	P2A0355
m,p-Xylenes	BRL	ug/kg dry	12	0.80	1	8260B	1/20/12 16:02	VHL	P2A0355
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/kg dry	62	1.3	1	8260B	1/20/12 16:02	VHL	P2A0355
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/kg dry	25	2.2	1	8260B	1/20/12 16:02	VHL	P2A0355
Methyl Isobutyl Ketone	BRL	ug/kg dry	12	1.6	1	8260B	1/20/12 16:02	VHL	P2A0355
Methylene Chloride	BRL	ug/kg dry	12	0.45	1	8260B	1/20/12 16:02	VHL	P2A0355
Methyl-tert-Butyl Ether	BRL	ug/kg dry	6.2	0.48	1	8260B	1/20/12 16:02	VHL	P2A0355
Naphthalene	BRL	ug/kg dry	6.2	0.46	1	8260B	1/20/12 16:02	VHL	P2A0355
n-Butylbenzene	BRL	ug/kg dry	19	0.27	1	8260B	1/20/12 16:02	VHL	P2A0355
n-Propylbenzene	BRL	ug/kg dry	12	0.35	1	8260B	1/20/12 16:02	VHL	P2A0355
o-Xylene	BRL	ug/kg dry	6.2	0.39	1	8260B	1/20/12 16:02	VHL	P2A0355
sec-Butylbenzene	BRL	ug/kg dry	19	0.25	1	8260B	1/20/12 16:02	VHL	P2A0355
Styrene	BRL	ug/kg dry	6.2	0.27	1	8260B	1/20/12 16:02	VHL	P2A0355
tert-Butylbenzene	BRL	ug/kg dry	25	0.32	1	8260B	1/20/12 16:02	VHL	P2A0355
Tetrachloroethylene	See 8260ML	ug/kg dry	12	0.43	1	8260B	1/20/12 16:02	VHL	P2A0355
Toluene	BRL	ug/kg dry	6.2	0.37	1	8260B	1/20/12 16:02	VHL	P2A0355
trans-1,2-Dichloroethylene	**35**	**ug/kg dry**	**6.2**	**0.72**	**1**	**8260B**	**1/20/12 16:02**	**VHL**	**P2A0355**
trans-1,3-Dichloropropylene	BRL	ug/kg dry	6.2	0.30	1	8260B	1/20/12 16:02	VHL	P2A0355
Trichloroethylene	See 8260ML	ug/kg dry	6.2	0.57	1	8260B	1/20/12 16:02	VHL	P2A0355
Trichlorofluoromethane	BRL	ug/kg dry	6.2	0.50	1	8260B	1/20/12 16:02	VHL	P2A0355
Vinyl acetate	BRL	ug/kg dry	12	1.8	1	8260B	1/20/12 16:02	VHL	P2A0355
Vinyl chloride	See 8260ML	ug/kg dry	12	0.80	1	8260B	1/20/12 16:02	VHL	P2A0355

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*102 %*	*70-130*
Dibromofluoromethane	*103 %*	*84-123*
Toluene-d8	*100 %*	*76-129*

Volatile Organic Compounds by GC/MS (Medium Level)

cis-1,2-Dichloroethylene	**4400**	**ug/kg dry**	**580**	**160**	**100**	**8260B**	**1/23/12 14:08**	**VHL**	**P2A0391**
Tetrachloroethylene	**620**	**ug/kg dry**	**580**	**180**	**100**	**8260B**	**1/23/12 14:08**	**VHL**	**P2A0391**
Trichloroethylene	**480 J**	**ug/kg dry**	**580**	**170**	**100**	**8260B**	**1/23/12 14:08**	**VHL**	**P2A0391**
Vinyl chloride	**440 J**	**ug/kg dry**	**1200**	**250**	**100**	**8260B**	**1/23/12 14:08**	**VHL**	**P2A0391**

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*88 %*	*70-130*
Dibromofluoromethane	*83 %*	*70-130*

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AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Katie A. Watkins
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: 1 Hr. Martinizing

Project No.: Greensboro, NC
Sample Matrix: Solid

Client Sample ID: SB-2-13
Prism Sample ID: 2010352-03
Prism Work Order: 2010352
Time Collected: 01/16/12 12:00
Time Submitted: 01/17/12 15:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
			Toluene-d8				*85 %*	*70-130*	

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AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Katie A. Watkins
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: 1 Hr. Martinizing
Project No.: Greensboro, NC
Sample Matrix: Solid

Client Sample ID: SB-3-1
Prism Sample ID: 2010352-04
Prism Work Order: 2010352
Time Collected: 01/16/12 13:00
Time Submitted: 01/17/12 15:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**75.9**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**1/23/12 14:30**	**JAB**	**P2A0383**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/kg dry	7.7	0.46	1	8260B	1/20/12 16:35	VHL	P2A0355
1,1,1-Trichloroethane	BRL	ug/kg dry	7.7	0.25	1	8260B	1/20/12 16:35	VHL	P2A0355
1,1,2,2-Tetrachloroethane	BRL	ug/kg dry	7.7	1.3	1	8260B	1/20/12 16:35	VHL	P2A0355
1,1,2-Trichloroethane	BRL	ug/kg dry	7.7	0.65	1	8260B	1/20/12 16:35	VHL	P2A0355
1,1-Dichloroethane	BRL	ug/kg dry	7.7	0.65	1	8260B	1/20/12 16:35	VHL	P2A0355
1,1-Dichloroethylene	BRL	ug/kg dry	7.7	0.47	1	8260B	1/20/12 16:35	VHL	P2A0355
1,1-Dichloropropylene	BRL	ug/kg dry	7.7	0.81	1	8260B	1/20/12 16:35	VHL	P2A0355
1,2,3-Trichlorobenzene	BRL	ug/kg dry	15	0.57	1	8260B	1/20/12 16:35	VHL	P2A0355
1,2,3-Trichloropropane	BRL	ug/kg dry	7.7	1.2	1	8260B	1/20/12 16:35	VHL	P2A0355
1,2,4-Trichlorobenzene	BRL	ug/kg dry	15	0.45	1	8260B	1/20/12 16:35	VHL	P2A0355
1,2,4-Trimethylbenzene	BRL	ug/kg dry	15	1.5	1	8260B	1/20/12 16:35	VHL	P2A0355
1,2-Dibromo-3-chloropropane	BRL	ug/kg dry	7.7	2.4	1	8260B	1/20/12 16:35	VHL	P2A0355
1,2-Dibromoethane	BRL	ug/kg dry	7.7	0.89	1	8260B	1/20/12 16:35	VHL	P2A0355
1,2-Dichlorobenzene	BRL	ug/kg dry	15	0.35	1	8260B	1/20/12 16:35	VHL	P2A0355
1,2-Dichloroethane	BRL	ug/kg dry	7.7	1.2	1	8260B	1/20/12 16:35	VHL	P2A0355
1,2-Dichloropropane	BRL	ug/kg dry	7.7	0.49	1	8260B	1/20/12 16:35	VHL	P2A0355
1,3,5-Trimethylbenzene	BRL	ug/kg dry	15	0.37	1	8260B	1/20/12 16:35	VHL	P2A0355
1,3-Dichlorobenzene	BRL	ug/kg dry	15	0.11	1	8260B	1/20/12 16:35	VHL	P2A0355
1,3-Dichloropropane	BRL	ug/kg dry	7.7	0.83	1	8260B	1/20/12 16:35	VHL	P2A0355
1,4-Dichlorobenzene	BRL	ug/kg dry	15	0.56	1	8260B	1/20/12 16:35	VHL	P2A0355
2,2-Dichloropropane	BRL	ug/kg dry	7.7	0.49	1	8260B	1/20/12 16:35	VHL	P2A0355
2-Chloroethyl Vinyl Ether	BRL	ug/kg dry	15	4.3	1	8260B	1/20/12 16:35	VHL	P2A0355
2-Chlorotoluene	BRL	ug/kg dry	15	0.47	1	8260B	1/20/12 16:35	VHL	P2A0355
4-Chlorotoluene	BRL	ug/kg dry	15	0.36	1	8260B	1/20/12 16:35	VHL	P2A0355
4-Isopropyltoluene	BRL	ug/kg dry	23	0.49	1	8260B	1/20/12 16:35	VHL	P2A0355
Acetone	**16 J**	**ug/kg dry**	**31**	**4.1**	**1**	**8260B**	**1/20/12 16:35**	**VHL**	**P2A0355**
Acrolein	BRL	ug/kg dry	150	4.7	1	8260B	1/20/12 16:35	VHL	P2A0355
Acrylonitrile	BRL	ug/kg dry	150	3.8	1	8260B	1/20/12 16:35	VHL	P2A0355
Benzene	BRL	ug/kg dry	4.6	0.47	1	8260B	1/20/12 16:35	VHL	P2A0355
Bromobenzene	BRL	ug/kg dry	7.7	0.33	1	8260B	1/20/12 16:35	VHL	P2A0355
Bromochloromethane	BRL	ug/kg dry	7.7	1.1	1	8260B	1/20/12 16:35	VHL	P2A0355
Bromodichloromethane	BRL	ug/kg dry	7.7	0.35	1	8260B	1/20/12 16:35	VHL	P2A0355
Bromoform	BRL	ug/kg dry	7.7	1.4	1	8260B	1/20/12 16:35	VHL	P2A0355
Bromomethane	BRL	ug/kg dry	15	2.2	1	8260B	1/20/12 16:35	VHL	P2A0355
Carbon disulfide	BRL	ug/kg dry	15	0.64	1	8260B	1/20/12 16:35	VHL	P2A0355
Carbon Tetrachloride	BRL	ug/kg dry	7.7	0.42	1	8260B	1/20/12 16:35	VHL	P2A0355
Chlorobenzene	BRL	ug/kg dry	7.7	0.36	1	8260B	1/20/12 16:35	VHL	P2A0355
Chloroethane	BRL	ug/kg dry	15	5.8	1	8260B	1/20/12 16:35	VHL	P2A0355
Chloroform	BRL	ug/kg dry	7.7	0.32	1	8260B	1/20/12 16:35	VHL	P2A0355

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AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Katie A. Watkins
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: 1 Hr. Martinizing
Project No.: Greensboro, NC
Sample Matrix: Solid

Client Sample ID: SB-3-1
Prism Sample ID: 2010352-04
Prism Work Order: 2010352
Time Collected: 01/16/12 13:00
Time Submitted: 01/17/12 15:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chloromethane	BRL	ug/kg dry	15	3.9	1	8260B	1/20/12 16:35	VHL	P2A0355
cis-1,2-Dichloroethylene	BRL	ug/kg dry	7.7	0.62	1	8260B	1/20/12 16:35	VHL	P2A0355
cis-1,3-Dichloropropylene	BRL	ug/kg dry	7.7	0.38	1	8260B	1/20/12 16:35	VHL	P2A0355
Dibromochloromethane	BRL	ug/kg dry	7.7	0.52	1	8260B	1/20/12 16:35	VHL	P2A0355
Dibromomethane	BRL	ug/kg dry	7.7	0.52	1	8260B	1/20/12 16:35	VHL	P2A0355
Dichlorodifluoromethane	BRL	ug/kg dry	15	0.82	1	8260B	1/20/12 16:35	VHL	P2A0355
Ethylbenzene	BRL	ug/kg dry	7.7	0.50	1	8260B	1/20/12 16:35	VHL	P2A0355
Hexachlorobutadiene	BRL	ug/kg dry	23	0.99	1	8260B	1/20/12 16:35	VHL	P2A0355
Isopropyl Ether	BRL	ug/kg dry	7.7	0.33	1	8260B	1/20/12 16:35	VHL	P2A0355
Isopropylbenzene (Cumene)	BRL	ug/kg dry	15	0.38	1	8260B	1/20/12 16:35	VHL	P2A0355
m,p-Xylenes	BRL	ug/kg dry	15	0.99	1	8260B	1/20/12 16:35	VHL	P2A0355
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/kg dry	77	1.6	1	8260B	1/20/12 16:35	VHL	P2A0355
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/kg dry	31	2.7	1	8260B	1/20/12 16:35	VHL	P2A0355
Methyl Isobutyl Ketone	BRL	ug/kg dry	15	2.0	1	8260B	1/20/12 16:35	VHL	P2A0355
Methylene Chloride	BRL	ug/kg dry	15	0.56	1	8260B	1/20/12 16:35	VHL	P2A0355
Methyl-tert-Butyl Ether	BRL	ug/kg dry	7.7	0.59	1	8260B	1/20/12 16:35	VHL	P2A0355
Naphthalene	BRL	ug/kg dry	7.7	0.56	1	8260B	1/20/12 16:35	VHL	P2A0355
n-Butylbenzene	BRL	ug/kg dry	23	0.34	1	8260B	1/20/12 16:35	VHL	P2A0355
n-Propylbenzene	BRL	ug/kg dry	15	0.44	1	8260B	1/20/12 16:35	VHL	P2A0355
o-Xylene	BRL	ug/kg dry	7.7	0.49	1	8260B	1/20/12 16:35	VHL	P2A0355
sec-Butylbenzene	BRL	ug/kg dry	23	0.31	1	8260B	1/20/12 16:35	VHL	P2A0355
Styrene	BRL	ug/kg dry	7.7	0.34	1	8260B	1/20/12 16:35	VHL	P2A0355
tert-Butylbenzene	BRL	ug/kg dry	31	0.40	1	8260B	1/20/12 16:35	VHL	P2A0355
Tetrachloroethylene	**4.6 J**	**ug/kg dry**	**15**	**0.53**	**1**	**8260B**	**1/20/12 16:35**	**VHL**	**P2A0355**
Toluene	BRL	ug/kg dry	7.7	0.46	1	8260B	1/20/12 16:35	VHL	P2A0355
trans-1,2-Dichloroethylene	BRL	ug/kg dry	7.7	0.89	1	8260B	1/20/12 16:35	VHL	P2A0355
trans-1,3-Dichloropropylene	BRL	ug/kg dry	7.7	0.37	1	8260B	1/20/12 16:35	VHL	P2A0355
Trichloroethylene	BRL	ug/kg dry	7.7	0.71	1	8260B	1/20/12 16:35	VHL	P2A0355
Trichlorofluoromethane	BRL	ug/kg dry	7.7	0.62	1	8260B	1/20/12 16:35	VHL	P2A0355
Vinyl acetate	BRL	ug/kg dry	15	2.2	1	8260B	1/20/12 16:35	VHL	P2A0355
Vinyl chloride	BRL	ug/kg dry	15	1.0	1	8260B	1/20/12 16:35	VHL	P2A0355

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*108 %*	*70-130*
Dibromofluoromethane	*108 %*	*84-123*
Toluene-d8	*100 %*	*76-129*

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Katie A. Watkins
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: 1 Hr. Martinizing
Project No.: Greensboro, NC
Sample Matrix: Solid

Client Sample ID: SB-3-4
Prism Sample ID: 2010352-05
Prism Work Order: 2010352
Time Collected: 01/16/12 13:05
Time Submitted: 01/17/12 15:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**73.7**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**1/23/12 14:30**	**JAB**	**P2A0383**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/kg dry	5.8	0.35	1	8260B	1/20/12 17:08	VHL	P2A0355
1,1,1-Trichloroethane	BRL	ug/kg dry	5.8	0.19	1	8260B	1/20/12 17:08	VHL	P2A0355
1,1,2,2-Tetrachloroethane	BRL	ug/kg dry	5.8	0.95	1	8260B	1/20/12 17:08	VHL	P2A0355
1,1,2-Trichloroethane	BRL	ug/kg dry	5.8	0.49	1	8260B	1/20/12 17:08	VHL	P2A0355
1,1-Dichloroethane	BRL	ug/kg dry	5.8	0.49	1	8260B	1/20/12 17:08	VHL	P2A0355
1,1-Dichloroethylene	BRL	ug/kg dry	5.8	0.35	1	8260B	1/20/12 17:08	VHL	P2A0355
1,1-Dichloropropylene	BRL	ug/kg dry	5.8	0.61	1	8260B	1/20/12 17:08	VHL	P2A0355
1,2,3-Trichlorobenzene	BRL	ug/kg dry	12	0.43	1	8260B	1/20/12 17:08	VHL	P2A0355
1,2,3-Trichloropropane	BRL	ug/kg dry	5.8	0.87	1	8260B	1/20/12 17:08	VHL	P2A0355
1,2,4-Trichlorobenzene	BRL	ug/kg dry	12	0.34	1	8260B	1/20/12 17:08	VHL	P2A0355
1,2,4-Trimethylbenzene	BRL	ug/kg dry	12	1.1	1	8260B	1/20/12 17:08	VHL	P2A0355
1,2-Dibromo-3-chloropropane	BRL	ug/kg dry	5.8	1.8	1	8260B	1/20/12 17:08	VHL	P2A0355
1,2-Dibromoethane	BRL	ug/kg dry	5.8	0.66	1	8260B	1/20/12 17:08	VHL	P2A0355
1,2-Dichlorobenzene	BRL	ug/kg dry	12	0.26	1	8260B	1/20/12 17:08	VHL	P2A0355
1,2-Dichloroethane	BRL	ug/kg dry	5.8	0.93	1	8260B	1/20/12 17:08	VHL	P2A0355
1,2-Dichloropropane	BRL	ug/kg dry	5.8	0.37	1	8260B	1/20/12 17:08	VHL	P2A0355
1,3,5-Trimethylbenzene	BRL	ug/kg dry	12	0.28	1	8260B	1/20/12 17:08	VHL	P2A0355
1,3-Dichlorobenzene	BRL	ug/kg dry	12	0.080	1	8260B	1/20/12 17:08	VHL	P2A0355
1,3-Dichloropropane	BRL	ug/kg dry	5.8	0.62	1	8260B	1/20/12 17:08	VHL	P2A0355
1,4-Dichlorobenzene	BRL	ug/kg dry	12	0.42	1	8260B	1/20/12 17:08	VHL	P2A0355
2,2-Dichloropropane	BRL	ug/kg dry	5.8	0.36	1	8260B	1/20/12 17:08	VHL	P2A0355
2-Chloroethyl Vinyl Ether	BRL	ug/kg dry	12	3.2	1	8260B	1/20/12 17:08	VHL	P2A0355
2-Chlorotoluene	BRL	ug/kg dry	12	0.35	1	8260B	1/20/12 17:08	VHL	P2A0355
4-Chlorotoluene	BRL	ug/kg dry	12	0.27	1	8260B	1/20/12 17:08	VHL	P2A0355
4-Isopropyltoluene	BRL	ug/kg dry	17	0.37	1	8260B	1/20/12 17:08	VHL	P2A0355
Acetone	**12 J**	**ug/kg dry**	**23**	**3.1**	**1**	**8260B**	**1/20/12 17:08**	**VHL**	**P2A0355**
Acrolein	BRL	ug/kg dry	120	3.5	1	8260B	1/20/12 17:08	VHL	P2A0355
Acrylonitrile	BRL	ug/kg dry	120	2.9	1	8260B	1/20/12 17:08	VHL	P2A0355
Benzene	BRL	ug/kg dry	3.5	0.35	1	8260B	1/20/12 17:08	VHL	P2A0355
Bromobenzene	BRL	ug/kg dry	5.8	0.25	1	8260B	1/20/12 17:08	VHL	P2A0355
Bromochloromethane	BRL	ug/kg dry	5.8	0.84	1	8260B	1/20/12 17:08	VHL	P2A0355
Bromodichloromethane	BRL	ug/kg dry	5.8	0.27	1	8260B	1/20/12 17:08	VHL	P2A0355
Bromoform	BRL	ug/kg dry	5.8	1.0	1	8260B	1/20/12 17:08	VHL	P2A0355
Bromomethane	BRL	ug/kg dry	12	1.6	1	8260B	1/20/12 17:08	VHL	P2A0355
Carbon disulfide	BRL	ug/kg dry	12	0.48	1	8260B	1/20/12 17:08	VHL	P2A0355
Carbon Tetrachloride	BRL	ug/kg dry	5.8	0.31	1	8260B	1/20/12 17:08	VHL	P2A0355
Chlorobenzene	BRL	ug/kg dry	5.8	0.27	1	8260B	1/20/12 17:08	VHL	P2A0355
Chloroethane	BRL	ug/kg dry	12	4.4	1	8260B	1/20/12 17:08	VHL	P2A0355
Chloroform	BRL	ug/kg dry	5.8	0.24	1	8260B	1/20/12 17:08	VHL	P2A0355

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AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Katie A. Watkins
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: 1 Hr. Martinizing
Project No.: Greensboro, NC
Sample Matrix: Solid

Client Sample ID: SB-3-4
Prism Sample ID: 2010352-05
Prism Work Order: 2010352
Time Collected: 01/16/12 13:05
Time Submitted: 01/17/12 15:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chloromethane	BRL	ug/kg dry	12	2.9	1	8260B	1/20/12 17:08	VHL	P2A0355
cis-1,2-Dichloroethylene	BRL	ug/kg dry	5.8	0.47	1	8260B	1/20/12 17:08	VHL	P2A0355
cis-1,3-Dichloropropylene	BRL	ug/kg dry	5.8	0.29	1	8260B	1/20/12 17:08	VHL	P2A0355
Dibromochloromethane	BRL	ug/kg dry	5.8	0.39	1	8260B	1/20/12 17:08	VHL	P2A0355
Dibromomethane	BRL	ug/kg dry	5.8	0.39	1	8260B	1/20/12 17:08	VHL	P2A0355
Dichlorodifluoromethane	BRL	ug/kg dry	12	0.62	1	8260B	1/20/12 17:08	VHL	P2A0355
Ethylbenzene	BRL	ug/kg dry	5.8	0.37	1	8260B	1/20/12 17:08	VHL	P2A0355
Hexachlorobutadiene	BRL	ug/kg dry	17	0.74	1	8260B	1/20/12 17:08	VHL	P2A0355
Isopropyl Ether	BRL	ug/kg dry	5.8	0.25	1	8260B	1/20/12 17:08	VHL	P2A0355
Isopropylbenzene (Cumene)	BRL	ug/kg dry	12	0.29	1	8260B	1/20/12 17:08	VHL	P2A0355
m,p-Xylenes	BRL	ug/kg dry	12	0.74	1	8260B	1/20/12 17:08	VHL	P2A0355
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/kg dry	58	1.2	1	8260B	1/20/12 17:08	VHL	P2A0355
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/kg dry	23	2.1	1	8260B	1/20/12 17:08	VHL	P2A0355
Methyl Isobutyl Ketone	BRL	ug/kg dry	12	1.5	1	8260B	1/20/12 17:08	VHL	P2A0355
Methylene Chloride	BRL	ug/kg dry	12	0.42	1	8260B	1/20/12 17:08	VHL	P2A0355
Methyl-tert-Butyl Ether	BRL	ug/kg dry	5.8	0.44	1	8260B	1/20/12 17:08	VHL	P2A0355
Naphthalene	BRL	ug/kg dry	5.8	0.42	1	8260B	1/20/12 17:08	VHL	P2A0355
n-Butylbenzene	BRL	ug/kg dry	17	0.25	1	8260B	1/20/12 17:08	VHL	P2A0355
n-Propylbenzene	BRL	ug/kg dry	12	0.33	1	8260B	1/20/12 17:08	VHL	P2A0355
o-Xylene	BRL	ug/kg dry	5.8	0.37	1	8260B	1/20/12 17:08	VHL	P2A0355
sec-Butylbenzene	BRL	ug/kg dry	17	0.23	1	8260B	1/20/12 17:08	VHL	P2A0355
Styrene	BRL	ug/kg dry	5.8	0.25	1	8260B	1/20/12 17:08	VHL	P2A0355
tert-Butylbenzene	BRL	ug/kg dry	23	0.30	1	8260B	1/20/12 17:08	VHL	P2A0355
Tetrachloroethylene	BRL	ug/kg dry	12	0.40	1	8260B	1/20/12 17:08	VHL	P2A0355
Toluene	BRL	ug/kg dry	5.8	0.34	1	8260B	1/20/12 17:08	VHL	P2A0355
trans-1,2-Dichloroethylene	BRL	ug/kg dry	5.8	0.67	1	8260B	1/20/12 17:08	VHL	P2A0355
trans-1,3-Dichloropropylene	BRL	ug/kg dry	5.8	0.28	1	8260B	1/20/12 17:08	VHL	P2A0355
Trichloroethylene	BRL	ug/kg dry	5.8	0.53	1	8260B	1/20/12 17:08	VHL	P2A0355
Trichlorofluoromethane	BRL	ug/kg dry	5.8	0.47	1	8260B	1/20/12 17:08	VHL	P2A0355
Vinyl acetate	BRL	ug/kg dry	12	1.6	1	8260B	1/20/12 17:08	VHL	P2A0355
Vinyl chloride	BRL	ug/kg dry	12	0.75	1	8260B	1/20/12 17:08	VHL	P2A0355

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*101 %*	*70-130*
Dibromofluoromethane	*103 %*	*84-123*
Toluene-d8	*101 %*	*76-129*

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AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Katie A. Watkins
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: 1 Hr. Martinizing
Project No.: Greensboro, NC
Sample Matrix: Solid

Client Sample ID: SB-4-4
Prism Sample ID: 2010352-06
Prism Work Order: 2010352
Time Collected: 01/16/12 14:30
Time Submitted: 01/17/12 15:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**77.0**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**1/23/12 14:30**	**JAB**	**P2A0383**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/kg dry	7.5	0.45	1	8260B	1/20/12 17:41	VHL	P2A0355
1,1,1-Trichloroethane	BRL	ug/kg dry	7.5	0.25	1	8260B	1/20/12 17:41	VHL	P2A0355
1,1,2,2-Tetrachloroethane	BRL	ug/kg dry	7.5	1.2	1	8260B	1/20/12 17:41	VHL	P2A0355
1,1,2-Trichloroethane	BRL	ug/kg dry	7.5	0.63	1	8260B	1/20/12 17:41	VHL	P2A0355
1,1-Dichloroethane	BRL	ug/kg dry	7.5	0.63	1	8260B	1/20/12 17:41	VHL	P2A0355
1,1-Dichloroethylene	BRL	ug/kg dry	7.5	0.45	1	8260B	1/20/12 17:41	VHL	P2A0355
1,1-Dichloropropylene	BRL	ug/kg dry	7.5	0.79	1	8260B	1/20/12 17:41	VHL	P2A0355
1,2,3-Trichlorobenzene	BRL	ug/kg dry	15	0.55	1	8260B	1/20/12 17:41	VHL	P2A0355
1,2,3-Trichloropropane	BRL	ug/kg dry	7.5	1.1	1	8260B	1/20/12 17:41	VHL	P2A0355
1,2,4-Trichlorobenzene	BRL	ug/kg dry	15	0.44	1	8260B	1/20/12 17:41	VHL	P2A0355
1,2,4-Trimethylbenzene	BRL	ug/kg dry	15	1.5	1	8260B	1/20/12 17:41	VHL	P2A0355
1,2-Dibromo-3-chloropropane	BRL	ug/kg dry	7.5	2.3	1	8260B	1/20/12 17:41	VHL	P2A0355
1,2-Dibromoethane	BRL	ug/kg dry	7.5	0.86	1	8260B	1/20/12 17:41	VHL	P2A0355
1,2-Dichlorobenzene	BRL	ug/kg dry	15	0.34	1	8260B	1/20/12 17:41	VHL	P2A0355
1,2-Dichloroethane	BRL	ug/kg dry	7.5	1.2	1	8260B	1/20/12 17:41	VHL	P2A0355
1,2-Dichloropropane	BRL	ug/kg dry	7.5	0.47	1	8260B	1/20/12 17:41	VHL	P2A0355
1,3,5-Trimethylbenzene	BRL	ug/kg dry	15	0.36	1	8260B	1/20/12 17:41	VHL	P2A0355
1,3-Dichlorobenzene	BRL	ug/kg dry	15	0.10	1	8260B	1/20/12 17:41	VHL	P2A0355
1,3-Dichloropropane	BRL	ug/kg dry	7.5	0.81	1	8260B	1/20/12 17:41	VHL	P2A0355
1,4-Dichlorobenzene	BRL	ug/kg dry	15	0.55	1	8260B	1/20/12 17:41	VHL	P2A0355
2,2-Dichloropropane	BRL	ug/kg dry	7.5	0.47	1	8260B	1/20/12 17:41	VHL	P2A0355
2-Chloroethyl Vinyl Ether	BRL	ug/kg dry	15	4.2	1	8260B	1/20/12 17:41	VHL	P2A0355
2-Chlorotoluene	BRL	ug/kg dry	15	0.46	1	8260B	1/20/12 17:41	VHL	P2A0355
4-Chlorotoluene	BRL	ug/kg dry	15	0.35	1	8260B	1/20/12 17:41	VHL	P2A0355
4-Isopropyltoluene	BRL	ug/kg dry	22	0.47	1	8260B	1/20/12 17:41	VHL	P2A0355
Acetone	**49**	**ug/kg dry**	**30**	**4.0**	**1**	**8260B**	**1/20/12 17:41**	**VHL**	**P2A0355**
Acrolein	BRL	ug/kg dry	150	4.5	1	8260B	1/20/12 17:41	VHL	P2A0355
Acrylonitrile	BRL	ug/kg dry	150	3.7	1	8260B	1/20/12 17:41	VHL	P2A0355
Benzene	BRL	ug/kg dry	4.5	0.45	1	8260B	1/20/12 17:41	VHL	P2A0355
Bromobenzene	BRL	ug/kg dry	7.5	0.32	1	8260B	1/20/12 17:41	VHL	P2A0355
Bromochloromethane	BRL	ug/kg dry	7.5	1.1	1	8260B	1/20/12 17:41	VHL	P2A0355
Bromodichloromethane	BRL	ug/kg dry	7.5	0.34	1	8260B	1/20/12 17:41	VHL	P2A0355
Bromoform	BRL	ug/kg dry	7.5	1.3	1	8260B	1/20/12 17:41	VHL	P2A0355
Bromomethane	BRL	ug/kg dry	15	2.1	1	8260B	1/20/12 17:41	VHL	P2A0355
Carbon disulfide	BRL	ug/kg dry	15	0.62	1	8260B	1/20/12 17:41	VHL	P2A0355
Carbon Tetrachloride	BRL	ug/kg dry	7.5	0.41	1	8260B	1/20/12 17:41	VHL	P2A0355
Chlorobenzene	BRL	ug/kg dry	7.5	0.35	1	8260B	1/20/12 17:41	VHL	P2A0355
Chloroethane	BRL	ug/kg dry	15	5.7	1	8260B	1/20/12 17:41	VHL	P2A0355
Chloroform	BRL	ug/kg dry	7.5	0.31	1	8260B	1/20/12 17:41	VHL	P2A0355

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
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AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Katie A. Watkins
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: 1 Hr. Martinizing
Project No.: Greensboro, NC
Sample Matrix: Solid

Client Sample ID: SB-4-4
Prism Sample ID: 2010352-06
Prism Work Order: 2010352
Time Collected: 01/16/12 14:30
Time Submitted: 01/17/12 15:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chloromethane	BRL	ug/kg dry	15	3.8	1	8260B	1/20/12 17:41	VHL	P2A0355
cis-1,2-Dichloroethylene	BRL	ug/kg dry	7.5	0.60	1	8260B	1/20/12 17:41	VHL	P2A0355
cis-1,3-Dichloropropylene	BRL	ug/kg dry	7.5	0.37	1	8260B	1/20/12 17:41	VHL	P2A0355
Dibromochloromethane	BRL	ug/kg dry	7.5	0.51	1	8260B	1/20/12 17:41	VHL	P2A0355
Dibromomethane	BRL	ug/kg dry	7.5	0.51	1	8260B	1/20/12 17:41	VHL	P2A0355
Dichlorodifluoromethane	BRL	ug/kg dry	15	0.80	1	8260B	1/20/12 17:41	VHL	P2A0355
Ethylbenzene	BRL	ug/kg dry	7.5	0.48	1	8260B	1/20/12 17:41	VHL	P2A0355
Hexachlorobutadiene	BRL	ug/kg dry	22	0.96	1	8260B	1/20/12 17:41	VHL	P2A0355
Isopropyl Ether	BRL	ug/kg dry	7.5	0.32	1	8260B	1/20/12 17:41	VHL	P2A0355
Isopropylbenzene (Cumene)	BRL	ug/kg dry	15	0.37	1	8260B	1/20/12 17:41	VHL	P2A0355
m,p-Xylenes	BRL	ug/kg dry	15	0.96	1	8260B	1/20/12 17:41	VHL	P2A0355
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/kg dry	75	1.5	1	8260B	1/20/12 17:41	VHL	P2A0355
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/kg dry	30	2.7	1	8260B	1/20/12 17:41	VHL	P2A0355
Methyl Isobutyl Ketone	BRL	ug/kg dry	15	2.0	1	8260B	1/20/12 17:41	VHL	P2A0355
Methylene Chloride	BRL	ug/kg dry	15	0.54	1	8260B	1/20/12 17:41	VHL	P2A0355
Methyl-tert-Butyl Ether	BRL	ug/kg dry	7.5	0.57	1	8260B	1/20/12 17:41	VHL	P2A0355
Naphthalene	BRL	ug/kg dry	7.5	0.55	1	8260B	1/20/12 17:41	VHL	P2A0355
n-Butylbenzene	BRL	ug/kg dry	22	0.33	1	8260B	1/20/12 17:41	VHL	P2A0355
n-Propylbenzene	BRL	ug/kg dry	15	0.43	1	8260B	1/20/12 17:41	VHL	P2A0355
o-Xylene	BRL	ug/kg dry	7.5	0.47	1	8260B	1/20/12 17:41	VHL	P2A0355
sec-Butylbenzene	BRL	ug/kg dry	22	0.30	1	8260B	1/20/12 17:41	VHL	P2A0355
Styrene	BRL	ug/kg dry	7.5	0.33	1	8260B	1/20/12 17:41	VHL	P2A0355
tert-Butylbenzene	BRL	ug/kg dry	30	0.39	1	8260B	1/20/12 17:41	VHL	P2A0355
Tetrachloroethylene	**14 J**	**ug/kg dry**	**15**	**0.52**	**1**	**8260B**	**1/20/12 17:41**	**VHL**	**P2A0355**
Toluene	BRL	ug/kg dry	7.5	0.44	1	8260B	1/20/12 17:41	VHL	P2A0355
trans-1,2-Dichloroethylene	BRL	ug/kg dry	7.5	0.87	1	8260B	1/20/12 17:41	VHL	P2A0355
trans-1,3-Dichloropropylene	BRL	ug/kg dry	7.5	0.36	1	8260B	1/20/12 17:41	VHL	P2A0355
Trichloroethylene	BRL	ug/kg dry	7.5	0.69	1	8260B	1/20/12 17:41	VHL	P2A0355
Trichlorofluoromethane	BRL	ug/kg dry	7.5	0.61	1	8260B	1/20/12 17:41	VHL	P2A0355
Vinyl acetate	BRL	ug/kg dry	15	2.1	1	8260B	1/20/12 17:41	VHL	P2A0355
Vinyl chloride	BRL	ug/kg dry	15	0.97	1	8260B	1/20/12 17:41	VHL	P2A0355

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*106 %*	*70-130*
Dibromofluoromethane	*108 %*	*84-123*
Toluene-d8	*101 %*	*76-129*

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AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Katie A. Watkins
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: 1 Hr. Martinizing
Project No.: Greensboro, NC
Sample Matrix: Water

Client Sample ID: TMW-1
Prism Sample ID: 2010352-07
Prism Work Order: 2010352
Time Collected: 01/16/12 13:50
Time Submitted: 01/17/12 15:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	1.0	0.15	1	8260B	1/19/12 19:04	MGB	P2A0313
1,1,1-Trichloroethane	BRL	ug/L	1.0	0.063	1	8260B	1/19/12 19:04	MGB	P2A0313
1,1,2,2-Tetrachloroethane	BRL	ug/L	1.0	0.071	1	8260B	1/19/12 19:04	MGB	P2A0313
1,1,2-Trichloroethane	BRL	ug/L	1.0	0.17	1	8260B	1/19/12 19:04	MGB	P2A0313
1,1-Dichloroethane	BRL	ug/L	1.0	0.096	1	8260B	1/19/12 19:04	MGB	P2A0313
1,1-Dichloroethylene	BRL	ug/L	1.0	0.078	1	8260B	1/19/12 19:04	MGB	P2A0313
1,1-Dichloropropylene	BRL	ug/L	1.0	0.061	1	8260B	1/19/12 19:04	MGB	P2A0313
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.20	1	8260B	1/19/12 19:04	MGB	P2A0313
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.081	1	8260B	1/19/12 19:04	MGB	P2A0313
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.10	1	8260B	1/19/12 19:04	MGB	P2A0313
1,2,4-Trimethylbenzene	BRL	ug/L	1.0	0.048	1	8260B	1/19/12 19:04	MGB	P2A0313
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	8260B	1/19/12 19:04	MGB	P2A0313
1,2-Dibromoethane	BRL	ug/L	1.0	0.14	1	8260B	1/19/12 19:04	MGB	P2A0313
1,2-Dichlorobenzene	BRL	ug/L	1.0	0.076	1	8260B	1/19/12 19:04	MGB	P2A0313
1,2-Dichloroethane	BRL	ug/L	1.0	0.14	1	8260B	1/19/12 19:04	MGB	P2A0313
1,2-Dichloropropane	BRL	ug/L	1.0	0.13	1	8260B	1/19/12 19:04	MGB	P2A0313
1,3,5-Trimethylbenzene	BRL	ug/L	1.0	0.057	1	8260B	1/19/12 19:04	MGB	P2A0313
1,3-Dichlorobenzene	BRL	ug/L	1.0	0.074	1	8260B	1/19/12 19:04	MGB	P2A0313
1,3-Dichloropropane	BRL	ug/L	1.0	0.11	1	8260B	1/19/12 19:04	MGB	P2A0313
1,4-Dichlorobenzene	BRL	ug/L	1.0	0.068	1	8260B	1/19/12 19:04	MGB	P2A0313
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	1/19/12 19:04	MGB	P2A0313
2-Chloroethyl Vinyl Ether	BRL	ug/L	2.0	0.22	1	8260B	1/19/12 19:04	MGB	P2A0313
2-Chlorotoluene	BRL	ug/L	1.0	0.038	1	8260B	1/19/12 19:04	MGB	P2A0313
4-Chlorotoluene	BRL	ug/L	1.0	0.053	1	8260B	1/19/12 19:04	MGB	P2A0313
4-Isopropyltoluene	BRL	ug/L	1.0	0.065	1	8260B	1/19/12 19:04	MGB	P2A0313
Acetone	BRL	ug/L	10	0.62	1	8260B	1/19/12 19:04	MGB	P2A0313
Acrolein	BRL	ug/L	100	1.1	1	8260B	1/19/12 19:04	MGB	P2A0313
Acrylonitrile	BRL	ug/L	100	0.86	1	8260B	1/19/12 19:04	MGB	P2A0313
Benzene	BRL	ug/L	1.0	0.072	1	8260B	1/19/12 19:04	MGB	P2A0313
Bromobenzene	BRL	ug/L	1.0	0.064	1	8260B	1/19/12 19:04	MGB	P2A0313
Bromochloromethane	BRL	ug/L	1.0	0.13	1	8260B	1/19/12 19:04	MGB	P2A0313
Bromodichloromethane	**0.69 J**	**ug/L**	**1.0**	**0.062**	**1**	**8260B**	**1/19/12 19:04**	**MGB**	**P2A0313**
Bromoform	BRL	ug/L	1.0	0.27	1	8260B	1/19/12 19:04	MGB	P2A0313
Bromomethane	BRL	ug/L	3.0	0.47	1	8260B	1/19/12 19:04	MGB	P2A0313
Carbon disulfide	BRL	ug/L	5.0	1.4	1	8260B	1/19/12 19:04	MGB	P2A0313
Carbon Tetrachloride	BRL	ug/L	2.0	0.12	1	8260B	1/19/12 19:04	MGB	P2A0313
Chlorobenzene	BRL	ug/L	1.0	0.061	1	8260B	1/19/12 19:04	MGB	P2A0313
Chloroethane	BRL	ug/L	5.0	0.13	1	8260B	1/19/12 19:04	MGB	P2A0313
Chloroform	**6.9**	**ug/L**	**1.0**	**0.089**	**1**	**8260B**	**1/19/12 19:04**	**MGB**	**P2A0313**
Chloromethane	BRL	ug/L	2.0	0.11	1	8260B	1/19/12 19:04	MGB	P2A0313
cis-1,2-Dichloroethylene	**0.61 J**	**ug/L**	**1.0**	**0.076**	**1**	**8260B**	**1/19/12 19:04**	**MGB**	**P2A0313**
cis-1,3-Dichloropropylene	BRL	ug/L	1.0	0.10	1	8260B	1/19/12 19:04	MGB	P2A0313

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Laboratory Report

01/26/2012

AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Katie A. Watkins
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: 1 Hr. Martinizing
Project No.: Greensboro, NC
Sample Matrix: Water

Client Sample ID: TMW-1
Prism Sample ID: 2010352-07
Prism Work Order: 2010352
Time Collected: 01/16/12 13:50
Time Submitted: 01/17/12 15:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Dibromochloromethane	BRL	ug/L	1.0	0.30	1	8260B	1/19/12 19:04	MGB	P2A0313
Dibromomethane	BRL	ug/L	1.0	0.13	1	8260B	1/19/12 19:04	MGB	P2A0313
Dichlorodifluoromethane	BRL	ug/L	2.0	0.11	1	8260B	1/19/12 19:04	MGB	P2A0313
Ethylbenzene	BRL	ug/L	1.0	0.067	1	8260B	1/19/12 19:04	MGB	P2A0313
Hexachlorobutadiene	BRL	ug/L	2.0	0.36	1	8260B	1/19/12 19:04	MGB	P2A0313
Isopropyl Ether	BRL	ug/L	1.0	0.043	1	8260B	1/19/12 19:04	MGB	P2A0313
Isopropylbenzene (Cumene)	BRL	ug/L	1.0	0.072	1	8260B	1/19/12 19:04	MGB	P2A0313
m,p-Xylenes	BRL	ug/L	2.0	0.081	1	8260B	1/19/12 19:04	MGB	P2A0313
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.19	1	8260B	1/19/12 19:04	MGB	P2A0313
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.90	1	8260B	1/19/12 19:04	MGB	P2A0313
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.12	1	8260B	1/19/12 19:04	MGB	P2A0313
Methylene Chloride	BRL	ug/L	2.0	0.44	1	8260B	1/19/12 19:04	MGB	P2A0313
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.070	1	8260B	1/19/12 19:04	MGB	P2A0313
Naphthalene	BRL	ug/L	1.0	0.098	1	8260B	1/19/12 19:04	MGB	P2A0313
n-Butylbenzene	BRL	ug/L	1.0	0.11	1	8260B	1/19/12 19:04	MGB	P2A0313
n-Propylbenzene	BRL	ug/L	1.0	0.060	1	8260B	1/19/12 19:04	MGB	P2A0313
o-Xylene	BRL	ug/L	1.0	0.046	1	8260B	1/19/12 19:04	MGB	P2A0313
sec-Butylbenzene	BRL	ug/L	1.0	0.087	1	8260B	1/19/12 19:04	MGB	P2A0313
Styrene	BRL	ug/L	1.0	0.047	1	8260B	1/19/12 19:04	MGB	P2A0313
tert-Butylbenzene	BRL	ug/L	1.0	0.080	1	8260B	1/19/12 19:04	MGB	P2A0313
Tetrachloroethylene	**5.6**	**ug/L**	**0.50**	**0.069**	**1**	**8260B**	**1/19/12 19:04**	**MGB**	**P2A0313**
Toluene	BRL	ug/L	1.0	0.042	1	8260B	1/19/12 19:04	MGB	P2A0313
trans-1,2-Dichloroethylene	BRL	ug/L	2.0	0.12	1	8260B	1/19/12 19:04	MGB	P2A0313
trans-1,3-Dichloropropylene	BRL	ug/L	1.0	0.043	1	8260B	1/19/12 19:04	MGB	P2A0313
Trichloroethylene	**1.5 J**	**ug/L**	**2.0**	**0.054**	**1**	**8260B**	**1/19/12 19:04**	**MGB**	**P2A0313**
Trichlorofluoromethane	BRL	ug/L	2.0	0.088	1	8260B	1/19/12 19:04	MGB	P2A0313
Vinyl acetate	BRL	ug/L	20	0.10	1	8260B	1/19/12 19:04	MGB	P2A0313
Vinyl chloride	BRL	ug/L	2.0	0.16	1	8260B	1/19/12 19:04	MGB	P2A0313

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*98 %*	*80-124*
Dibromofluoromethane	*107 %*	*75-129*
Toluene-d8	*101 %*	*77-123*

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AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Katie A. Watkins
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: 1 Hr. Martinizing
Project No.: Greensboro, NC
Sample Matrix: Water

Client Sample ID: TMW-2
Prism Sample ID: 2010352-08
Prism Work Order: 2010352
Time Collected: 01/16/12 14:45
Time Submitted: 01/17/12 15:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	1.0	0.15	1	8260B	1/19/12 13:05	MGB	P2A0313
1,1,1-Trichloroethane	BRL	ug/L	1.0	0.063	1	8260B	1/19/12 13:05	MGB	P2A0313
1,1,2,2-Tetrachloroethane	BRL	ug/L	1.0	0.071	1	8260B	1/19/12 13:05	MGB	P2A0313
1,1,2-Trichloroethane	BRL	ug/L	1.0	0.17	1	8260B	1/19/12 13:05	MGB	P2A0313
1,1-Dichloroethane	BRL	ug/L	1.0	0.096	1	8260B	1/19/12 13:05	MGB	P2A0313
1,1-Dichloroethylene	BRL	ug/L	1.0	0.078	1	8260B	1/19/12 13:05	MGB	P2A0313
1,1-Dichloropropylene	BRL	ug/L	1.0	0.061	1	8260B	1/19/12 13:05	MGB	P2A0313
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.20	1	8260B	1/19/12 13:05	MGB	P2A0313
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.081	1	8260B	1/19/12 13:05	MGB	P2A0313
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.10	1	8260B	1/19/12 13:05	MGB	P2A0313
1,2,4-Trimethylbenzene	BRL	ug/L	1.0	0.048	1	8260B	1/19/12 13:05	MGB	P2A0313
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	8260B	1/19/12 13:05	MGB	P2A0313
1,2-Dibromoethane	BRL	ug/L	1.0	0.14	1	8260B	1/19/12 13:05	MGB	P2A0313
1,2-Dichlorobenzene	BRL	ug/L	1.0	0.076	1	8260B	1/19/12 13:05	MGB	P2A0313
1,2-Dichloroethane	BRL	ug/L	1.0	0.14	1	8260B	1/19/12 13:05	MGB	P2A0313
1,2-Dichloropropane	BRL	ug/L	1.0	0.13	1	8260B	1/19/12 13:05	MGB	P2A0313
1,3,5-Trimethylbenzene	BRL	ug/L	1.0	0.057	1	8260B	1/19/12 13:05	MGB	P2A0313
1,3-Dichlorobenzene	BRL	ug/L	1.0	0.074	1	8260B	1/19/12 13:05	MGB	P2A0313
1,3-Dichloropropane	BRL	ug/L	1.0	0.11	1	8260B	1/19/12 13:05	MGB	P2A0313
1,4-Dichlorobenzene	BRL	ug/L	1.0	0.068	1	8260B	1/19/12 13:05	MGB	P2A0313
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	1/19/12 13:05	MGB	P2A0313
2-Chloroethyl Vinyl Ether	BRL	ug/L	2.0	0.22	1	8260B	1/19/12 13:05	MGB	P2A0313
2-Chlorotoluene	BRL	ug/L	1.0	0.038	1	8260B	1/19/12 13:05	MGB	P2A0313
4-Chlorotoluene	BRL	ug/L	1.0	0.053	1	8260B	1/19/12 13:05	MGB	P2A0313
4-Isopropyltoluene	BRL	ug/L	1.0	0.065	1	8260B	1/19/12 13:05	MGB	P2A0313
Acetone	BRL	ug/L	10	0.62	1	8260B	1/19/12 13:05	MGB	P2A0313
Acrolein	BRL	ug/L	100	1.1	1	8260B	1/19/12 13:05	MGB	P2A0313
Acrylonitrile	BRL	ug/L	100	0.86	1	8260B	1/19/12 13:05	MGB	P2A0313
Benzene	BRL	ug/L	1.0	0.072	1	8260B	1/19/12 13:05	MGB	P2A0313
Bromobenzene	BRL	ug/L	1.0	0.064	1	8260B	1/19/12 13:05	MGB	P2A0313
Bromochloromethane	BRL	ug/L	1.0	0.13	1	8260B	1/19/12 13:05	MGB	P2A0313
Bromodichloromethane	BRL	ug/L	1.0	0.062	1	8260B	1/19/12 13:05	MGB	P2A0313
Bromoform	BRL	ug/L	1.0	0.27	1	8260B	1/19/12 13:05	MGB	P2A0313
Bromomethane	BRL	ug/L	3.0	0.47	1	8260B	1/19/12 13:05	MGB	P2A0313
Carbon disulfide	BRL	ug/L	5.0	1.4	1	8260B	1/19/12 13:05	MGB	P2A0313
Carbon Tetrachloride	BRL	ug/L	2.0	0.12	1	8260B	1/19/12 13:05	MGB	P2A0313
Chlorobenzene	BRL	ug/L	1.0	0.061	1	8260B	1/19/12 13:05	MGB	P2A0313
Chloroethane	BRL	ug/L	5.0	0.13	1	8260B	1/19/12 13:05	MGB	P2A0313
Chloroform	**4.1**	**ug/L**	**1.0**	**0.089**	**1**	**8260B**	**1/19/12 13:05**	**MGB**	**P2A0313**
Chloromethane	BRL	ug/L	2.0	0.11	1	8260B	1/19/12 13:05	MGB	P2A0313
cis-1,2-Dichloroethylene	**3.1**	**ug/L**	**1.0**	**0.076**	**1**	**8260B**	**1/19/12 13:05**	**MGB**	**P2A0313**
cis-1,3-Dichloropropylene	BRL	ug/L	1.0	0.10	1	8260B	1/19/12 13:05	MGB	P2A0313

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Laboratory Report

01/26/2012

AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Katie A. Watkins
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: 1 Hr. Martinizing
Project No.: Greensboro, NC
Sample Matrix: Water

Client Sample ID: TMW-2
Prism Sample ID: 2010352-08
Prism Work Order: 2010352
Time Collected: 01/16/12 14:45
Time Submitted: 01/17/12 15:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Dibromochloromethane	BRL	ug/L	1.0	0.30	1	8260B	1/19/12 13:05	MGB	P2A0313
Dibromomethane	BRL	ug/L	1.0	0.13	1	8260B	1/19/12 13:05	MGB	P2A0313
Dichlorodifluoromethane	BRL	ug/L	2.0	0.11	1	8260B	1/19/12 13:05	MGB	P2A0313
Ethylbenzene	BRL	ug/L	1.0	0.067	1	8260B	1/19/12 13:05	MGB	P2A0313
Hexachlorobutadiene	BRL	ug/L	2.0	0.36	1	8260B	1/19/12 13:05	MGB	P2A0313
Isopropyl Ether	BRL	ug/L	1.0	0.043	1	8260B	1/19/12 13:05	MGB	P2A0313
Isopropylbenzene (Cumene)	BRL	ug/L	1.0	0.072	1	8260B	1/19/12 13:05	MGB	P2A0313
m,p-Xylenes	BRL	ug/L	2.0	0.081	1	8260B	1/19/12 13:05	MGB	P2A0313
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.19	1	8260B	1/19/12 13:05	MGB	P2A0313
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.90	1	8260B	1/19/12 13:05	MGB	P2A0313
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.12	1	8260B	1/19/12 13:05	MGB	P2A0313
Methylene Chloride	BRL	ug/L	2.0	0.44	1	8260B	1/19/12 13:05	MGB	P2A0313
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.070	1	8260B	1/19/12 13:05	MGB	P2A0313
Naphthalene	BRL	ug/L	1.0	0.098	1	8260B	1/19/12 13:05	MGB	P2A0313
n-Butylbenzene	BRL	ug/L	1.0	0.11	1	8260B	1/19/12 13:05	MGB	P2A0313
n-Propylbenzene	BRL	ug/L	1.0	0.060	1	8260B	1/19/12 13:05	MGB	P2A0313
o-Xylene	BRL	ug/L	1.0	0.046	1	8260B	1/19/12 13:05	MGB	P2A0313
sec-Butylbenzene	BRL	ug/L	1.0	0.087	1	8260B	1/19/12 13:05	MGB	P2A0313
Styrene	BRL	ug/L	1.0	0.047	1	8260B	1/19/12 13:05	MGB	P2A0313
tert-Butylbenzene	BRL	ug/L	1.0	0.080	1	8260B	1/19/12 13:05	MGB	P2A0313
Tetrachloroethylene	**1400**	**ug/L**	**20**	**2.8**	**40**	**8260B**	**1/19/12 19:29**	**MGB**	**P2A0313**
Toluene	BRL	ug/L	1.0	0.042	1	8260B	1/19/12 13:05	MGB	P2A0313
trans-1,2-Dichloroethylene	BRL	ug/L	2.0	0.12	1	8260B	1/19/12 13:05	MGB	P2A0313
trans-1,3-Dichloropropylene	BRL	ug/L	1.0	0.043	1	8260B	1/19/12 13:05	MGB	P2A0313
Trichloroethylene	**7.9**	**ug/L**	**2.0**	**0.054**	**1**	**8260B**	**1/19/12 13:05**	**MGB**	**P2A0313**
Trichlorofluoromethane	BRL	ug/L	2.0	0.088	1	8260B	1/19/12 13:05	MGB	P2A0313
Vinyl acetate	BRL	ug/L	20	0.10	1	8260B	1/19/12 13:05	MGB	P2A0313
Vinyl chloride	BRL	ug/L	2.0	0.16	1	8260B	1/19/12 13:05	MGB	P2A0313

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*94 %*	*80-124*
Dibromofluoromethane	*103 %*	*75-129*
Toluene-d8	*97 %*	*77-123*

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

AMEC Env. & Infrastructure Inc (Morrisville) Project: 1 Hr. Martinizing
Attn: Katie A. Watkins
Suite 205, 2200 Gateway Centre Blvd. Project No: Greensboro, NC
Morrisville, NC 27560

Prism Work Order: 2010352
Time Submitted: 1/17/2012 3:50:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2A0313 - 5030B										
Blank (P2A0313-BLK1)				Prepared & Analyzed: 01/19/12						
1,1,1,2-Tetrachloroethane	BRL	1.0	ug/L							
1,1,1-Trichloroethane	BRL	1.0	ug/L							
1,1,2,2-Tetrachloroethane	BRL	1.0	ug/L							
1,1,2-Trichloroethane	BRL	1.0	ug/L							
1,1-Dichloroethane	BRL	1.0	ug/L							
1,1-Dichloroethylene	BRL	1.0	ug/L							
1,1-Dichloropropylene	BRL	1.0	ug/L							
1,2,3-Trichlorobenzene	BRL	2.0	ug/L							
1,2,3-Trichloropropane	BRL	1.0	ug/L							
1,2,4-Trichlorobenzene	BRL	1.0	ug/L							
1,2,4-Trimethylbenzene	BRL	1.0	ug/L							
1,2-Dibromo-3-chloropropane	BRL	2.0	ug/L							
1,2-Dibromoethane	BRL	1.0	ug/L							
1,2-Dichlorobenzene	BRL	1.0	ug/L							
1,2-Dichloroethane	BRL	1.0	ug/L							
1,2-Dichloropropane	BRL	1.0	ug/L							
1,3,5-Trimethylbenzene	BRL	1.0	ug/L							
1,3-Dichlorobenzene	BRL	1.0	ug/L							
1,3-Dichloropropane	BRL	1.0	ug/L							
1,4-Dichlorobenzene	BRL	1.0	ug/L							
2,2-Dichloropropane	BRL	2.0	ug/L							
2-Chloroethyl Vinyl Ether	BRL	2.0	ug/L							
2-Chlorotoluene	BRL	1.0	ug/L							
4-Chlorotoluene	BRL	1.0	ug/L							
4-Isopropyltoluene	BRL	1.0	ug/L							
Acetone	BRL	10	ug/L							
Acrolein	BRL	100	ug/L							
Acrylonitrile	BRL	100	ug/L							
Benzene	BRL	1.0	ug/L							
Bromobenzene	BRL	1.0	ug/L							
Bromochloromethane	BRL	1.0	ug/L							
Bromodichloromethane	BRL	1.0	ug/L							
Bromoform	BRL	1.0	ug/L							
Bromomethane	BRL	3.0	ug/L							
Carbon disulfide	BRL	5.0	ug/L							
Carbon Tetrachloride	BRL	2.0	ug/L							
Chlorobenzene	BRL	1.0	ug/L							
Chloroethane	BRL	5.0	ug/L							
Chloroform	BRL	1.0	ug/L							
Chloromethane	BRL	2.0	ug/L							
cis-1,2-Dichloroethylene	BRL	1.0	ug/L							
cis-1,3-Dichloropropylene	BRL	1.0	ug/L							
Dibromochloromethane	BRL	1.0	ug/L							
Dibromomethane	BRL	1.0	ug/L							
Dichlorodifluoromethane	BRL	2.0	ug/L							
Ethylbenzene	BRL	1.0	ug/L							

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AMEC Env. & Infrastructure Inc (Morrisville) Project: 1 Hr. Martinizing
Attn: Katie A. Watkins
Suite 205, 2200 Gateway Centre Blvd. Project No: Greensboro, NC
Morrisville, NC 27560

Prism Work Order: 2010352
Time Submitted: 1/17/2012 3:50:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2A0313 - 5030B										
Blank (P2A0313-BLK1)				Prepared & Analyzed: 01/19/12						
Hexachlorobutadiene	BRL	2.0	ug/L							
Isopropyl Ether	BRL	1.0	ug/L							
Isopropylbenzene (Cumene)	BRL	1.0	ug/L							
m,p-Xylenes	BRL	2.0	ug/L							
Methyl Butyl Ketone (2-Hexanone)	BRL	5.0	ug/L							
Methyl Ethyl Ketone (2-Butanone)	BRL	5.0	ug/L							
Methyl Isobutyl Ketone	BRL	5.0	ug/L							
Methylene Chloride	BRL	2.0	ug/L							
Methyl-tert-Butyl Ether	BRL	1.0	ug/L							
Naphthalene	BRL	1.0	ug/L							
n-Butylbenzene	BRL	1.0	ug/L							
n-Propylbenzene	BRL	1.0	ug/L							
o-Xylene	BRL	1.0	ug/L							
sec-Butylbenzene	BRL	1.0	ug/L							
Styrene	BRL	1.0	ug/L							
tert-Butylbenzene	BRL	1.0	ug/L							
Tetrachloroethylene	BRL	0.50	ug/L							
Toluene	BRL	1.0	ug/L							
trans-1,2-Dichloroethylene	BRL	2.0	ug/L							
trans-1,3-Dichloropropylene	BRL	1.0	ug/L							
Trichloroethylene	BRL	2.0	ug/L							
Trichlorofluoromethane	BRL	2.0	ug/L							
Vinyl acetate	BRL	20	ug/L							
Vinyl chloride	BRL	2.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*46.8*		*ug/L*	*50.00*		*94*	*80-124*			
Surrogate: Dibromofluoromethane	*51.5*		*ug/L*	*50.00*		*103*	*75-129*			
Surrogate: Toluene-d8	*49.2*		*ug/L*	*50.00*		*98*	*77-123*			

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AMEC Env. & Infrastructure Inc (Morrisville) Project: 1 Hr. Martinizing
Attn: Katie A. Watkins
Suite 205, 2200 Gateway Centre Blvd. Project No: Greensboro, NC
Morrisville, NC 27560

Prism Work Order: 2010352
Time Submitted: 1/17/2012 3:50:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2A0313 - 5030B										
LCS (P2A0313-BS1)				Prepared & Analyzed: 01/19/12						
1,1-Dichloroethylene	21.0	1.0	ug/L	20.00		105	70-154			
Benzene	22.8	1.0	ug/L	20.00		114	77-128			
Chlorobenzene	21.3	1.0	ug/L	20.00		106	78-119			
Toluene	23.1	1.0	ug/L	20.00		115	76-131			
Trichloroethylene	23.4	2.0	ug/L	20.00		117	77-133			
Surrogate: 4-Bromofluorobenzene	*47.2*		*ug/L*	*50.00*		*94*	*80-124*			
Surrogate: Dibromofluoromethane	*51.7*		*ug/L*	*50.00*		*103*	*75-129*			
Surrogate: Toluene-d8	*50.2*		*ug/L*	*50.00*		*100*	*77-123*			
LCS Dup (P2A0313-BSD1)				Prepared & Analyzed: 01/19/12						
1,1-Dichloroethylene	20.9	1.0	ug/L	20.00		105	70-154	0.6	200	
Benzene	22.6	1.0	ug/L	20.00		113	77-128	1	200	
Chlorobenzene	21.4	1.0	ug/L	20.00		107	78-119	0.7	200	
Toluene	22.9	1.0	ug/L	20.00		114	76-131	1	200	
Trichloroethylene	23.6	2.0	ug/L	20.00		118	77-133	0.9	200	
Surrogate: 4-Bromofluorobenzene	*46.8*		*ug/L*	*50.00*		*94*	*80-124*			
Surrogate: Dibromofluoromethane	*51.2*		*ug/L*	*50.00*		*102*	*75-129*			
Surrogate: Toluene-d8	*50.0*		*ug/L*	*50.00*		*100*	*77-123*			
Matrix Spike (P2A0313-MS1)	**Source: 2010352-08**			Prepared & Analyzed: 01/19/12						
1,1-Dichloroethylene	194	10	ug/L	200.0	BRL	97	65-162			
Benzene	219	10	ug/L	200.0	BRL	110	73-131			
Chlorobenzene	210	10	ug/L	200.0	BRL	105	76-119			
Toluene	221	10	ug/L	200.0	BRL	111	72-135			
Trichloroethylene	228	20	ug/L	200.0	7.90	110	72-133			
Surrogate: 4-Bromofluorobenzene	*46.7*		*ug/L*	*50.00*		*93*	*80-124*			
Surrogate: Dibromofluoromethane	*50.8*		*ug/L*	*50.00*		*102*	*75-129*			
Surrogate: Toluene-d8	*49.7*		*ug/L*	*50.00*		*99*	*77-123*			

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AMEC Env. & Infrastructure Inc (Morrisville) Project: 1 Hr. Martinizing
Attn: Katie A. Watkins
Suite 205, 2200 Gateway Centre Blvd. Project No: Greensboro, NC
Morrisville, NC 27560

Prism Work Order: 2010352
Time Submitted: 1/17/2012 3:50:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2A0313 - 5030B										
Matrix Spike Dup (P2A0313-MSD1)		**Source: 2010352-08**		Prepared & Analyzed: 01/19/12						
1,1-Dichloroethylene	195	10	ug/L	200.0	BRL	98	65-162	0.7	20	
Benzene	223	10	ug/L	200.0	BRL	111	73-131	2	17	
Chlorobenzene	213	10	ug/L	200.0	BRL	107	76-119	1	20	
Toluene	226	10	ug/L	200.0	BRL	113	72-135	2	18	
Trichloroethylene	234	20	ug/L	200.0	7.90	113	72-133	3	17	
Surrogate: 4-Bromofluorobenzene	*46.9*		*ug/L*	*50.00*		*94*	*80-124*			
Surrogate: Dibromofluoromethane	*50.0*		*ug/L*	*50.00*		*100*	*75-129*			
Surrogate: Toluene-d8	*49.0*		*ug/L*	*50.00*		*98*	*77-123*			
Batch P2A0355 - 5035										
Blank (P2A0355-BLK1)				Prepared & Analyzed: 01/20/12						
1,1,1,2-Tetrachloroethane	BRL	5.0	ug/kg wet							
1,1,1-Trichloroethane	BRL	5.0	ug/kg wet							
1,1,2,2-Tetrachloroethane	BRL	5.0	ug/kg wet							
1,1,2-Trichloroethane	BRL	5.0	ug/kg wet							
1,1-Dichloroethane	BRL	5.0	ug/kg wet							
1,1-Dichloroethylene	BRL	5.0	ug/kg wet							
1,1-Dichloropropylene	BRL	5.0	ug/kg wet							
1,2,3-Trichlorobenzene	BRL	10	ug/kg wet							
1,2,3-Trichloropropane	BRL	5.0	ug/kg wet							
1,2,4-Trichlorobenzene	BRL	10	ug/kg wet							
1,2,4-Trimethylbenzene	BRL	10	ug/kg wet							
1,2-Dibromo-3-chloropropane	BRL	5.0	ug/kg wet							
1,2-Dibromoethane	BRL	5.0	ug/kg wet							
1,2-Dichlorobenzene	BRL	10	ug/kg wet							
1,2-Dichloroethane	BRL	5.0	ug/kg wet							
1,2-Dichloropropane	BRL	5.0	ug/kg wet							
1,3,5-Trimethylbenzene	BRL	10	ug/kg wet							
1,3-Dichlorobenzene	BRL	10	ug/kg wet							
1,3-Dichloropropane	BRL	5.0	ug/kg wet							
1,4-Dichlorobenzene	BRL	10	ug/kg wet							
2,2-Dichloropropane	BRL	5.0	ug/kg wet							
2-Chloroethyl Vinyl Ether	BRL	10	ug/kg wet							
2-Chlorotoluene	BRL	10	ug/kg wet							
4-Chlorotoluene	BRL	10	ug/kg wet							
4-Isopropyltoluene	BRL	15	ug/kg wet							
Acetone	BRL	20	ug/kg wet							
Acrolein	BRL	100	ug/kg wet							
Acrylonitrile	BRL	100	ug/kg wet							
Benzene	BRL	3.0	ug/kg wet							
Bromobenzene	BRL	5.0	ug/kg wet							
Bromochloromethane	BRL	5.0	ug/kg wet							
Bromodichloromethane	BRL	5.0	ug/kg wet							
Bromoform	BRL	5.0	ug/kg wet							
Bromomethane	BRL	10	ug/kg wet							
Carbon disulfide	BRL	10	ug/kg wet							

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AMEC Env. & Infrastructure Inc (Morrisville) Project: 1 Hr. Martinizing
Attn: Katie A. Watkins
Suite 205, 2200 Gateway Centre Blvd. Project No: Greensboro, NC
Morrisville, NC 27560

Prism Work Order: 2010352
Time Submitted: 1/17/2012 3:50:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2A0355 - 5035										
Blank (P2A0355-BLK1)				Prepared & Analyzed: 01/20/12						
Carbon Tetrachloride	BRL	5.0	ug/kg wet							
Chlorobenzene	BRL	5.0	ug/kg wet							
Chloroethane	BRL	10	ug/kg wet							
Chloroform	BRL	5.0	ug/kg wet							
Chloromethane	BRL	10	ug/kg wet							
cis-1,2-Dichloroethylene	BRL	5.0	ug/kg wet							
cis-1,3-Dichloropropylene	BRL	5.0	ug/kg wet							
Dibromochloromethane	BRL	5.0	ug/kg wet							
Dibromomethane	BRL	5.0	ug/kg wet							
Dichlorodifluoromethane	BRL	10	ug/kg wet							
Ethylbenzene	BRL	5.0	ug/kg wet							
Hexachlorobutadiene	BRL	15	ug/kg wet							
Isopropyl Ether	BRL	5.0	ug/kg wet							
Isopropylbenzene (Cumene)	BRL	10	ug/kg wet							
m,p-Xylenes	BRL	10	ug/kg wet							
Methyl Butyl Ketone (2-Hexanone)	BRL	50	ug/kg wet							
Methyl Ethyl Ketone (2-Butanone)	BRL	20	ug/kg wet							
Methyl Isobutyl Ketone	BRL	10	ug/kg wet							
Methylene Chloride	BRL	10	ug/kg wet							
Methyl-tert-Butyl Ether	BRL	5.0	ug/kg wet							
Naphthalene	BRL	5.0	ug/kg wet							
n-Butylbenzene	BRL	15	ug/kg wet							
n-Propylbenzene	BRL	10	ug/kg wet							
o-Xylene	BRL	5.0	ug/kg wet							
sec-Butylbenzene	BRL	15	ug/kg wet							
Styrene	BRL	5.0	ug/kg wet							
tert-Butylbenzene	BRL	20	ug/kg wet							
Tetrachloroethylene	BRL	10	ug/kg wet							
Toluene	BRL	5.0	ug/kg wet							
trans-1,2-Dichloroethylene	BRL	5.0	ug/kg wet							
trans-1,3-Dichloropropylene	BRL	5.0	ug/kg wet							
Trichloroethylene	BRL	5.0	ug/kg wet							
Trichlorofluoromethane	BRL	5.0	ug/kg wet							
Vinyl acetate	BRL	10	ug/kg wet							
Vinyl chloride	BRL	10	ug/kg wet							
Surrogate: 4-Bromofluorobenzene	*50.7*		*ug/kg wet*	*50.00*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*51.2*		*ug/kg wet*	*50.00*		*102*	*84-123*			
Surrogate: Toluene-d8	*49.8*		*ug/kg wet*	*50.00*		*100*	*76-129*			

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AMEC Env. & Infrastructure Inc (Morrisville) Project: 1 Hr. Martinizing
Attn: Katie A. Watkins
Suite 205, 2200 Gateway Centre Blvd. Project No: Greensboro, NC
Morrisville, NC 27560

Prism Work Order: 2010352
Time Submitted: 1/17/2012 3:50:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2A0355 - 5035										
LCS (P2A0355-BS1)				Prepared & Analyzed: 01/20/12						
1,1-Dichloroethylene	46.8	5.0	ug/kg wet	50.00		94	67-149			
Benzene	43.5	3.0	ug/kg wet	50.00		87	74-127			
Chlorobenzene	44.2	5.0	ug/kg wet	50.00		88	74-118			
Toluene	47.4	5.0	ug/kg wet	50.00		95	71-129			
Trichloroethylene	47.6	5.0	ug/kg wet	50.00		95	75-133			
Surrogate: 4-Bromofluorobenzene	*46.1*		*ug/kg wet*	*50.00*		*92*	*70-130*			
Surrogate: Dibromofluoromethane	*48.5*		*ug/kg wet*	*50.00*		*97*	*84-123*			
Surrogate: Toluene-d8	*46.4*		*ug/kg wet*	*50.00*		*93*	*76-129*			
LCS Dup (P2A0355-BSD1)				Prepared & Analyzed: 01/20/12						
1,1-Dichloroethylene	47.1	5.0	ug/kg wet	50.00		94	67-149	0.7	200	
Benzene	43.9	3.0	ug/kg wet	50.00		88	74-127	0.8	200	
Chlorobenzene	45.3	5.0	ug/kg wet	50.00		91	74-118	2	200	
Toluene	49.3	5.0	ug/kg wet	50.00		99	71-129	4	200	
Trichloroethylene	49.1	5.0	ug/kg wet	50.00		98	75-133	3	200	
Surrogate: 4-Bromofluorobenzene	*47.8*		*ug/kg wet*	*50.00*		*96*	*70-130*			
Surrogate: Dibromofluoromethane	*48.7*		*ug/kg wet*	*50.00*		*97*	*84-123*			
Surrogate: Toluene-d8	*45.8*		*ug/kg wet*	*50.00*		*92*	*76-129*			
Matrix Spike (P2A0355-MS1)		**Source: 2010352-05**		Prepared: 01/20/12 Analyzed: 01/23/12						
1,1-Dichloroethylene	68.5	8.0	ug/kg dry	79.63	BRL	86	54-162			
Benzene	68.0	4.8	ug/kg dry	79.63	BRL	85	60-135			
Chlorobenzene	62.7	8.0	ug/kg dry	79.63	BRL	79	57-125			
Toluene	71.8	8.0	ug/kg dry	79.63	BRL	90	57-135			
Trichloroethylene	70.5	8.0	ug/kg dry	79.63	BRL	89	38-164			
Surrogate: 4-Bromofluorobenzene	*78.1*		*ug/kg dry*	*79.63*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*78.3*		*ug/kg dry*	*79.63*		*98*	*84-123*			
Surrogate: Toluene-d8	*75.8*		*ug/kg dry*	*79.63*		*95*	*76-129*			

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AMEC Env. & Infrastructure Inc (Morrisville) Project: 1 Hr. Martinizing
Attn: Katie A. Watkins
Suite 205, 2200 Gateway Centre Blvd. Project No: Greensboro, NC
Morrisville, NC 27560

Prism Work Order: 2010352
Time Submitted: 1/17/2012 3:50:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2A0355 - 5035										
Matrix Spike Dup (P2A0355-MSD1)		**Source: 2010352-05**		Prepared: 01/20/12	Analyzed: 01/23/12					
1,1-Dichloroethylene	68.3	7.9	ug/kg dry	78.70	BRL	87	54-162	0.3	22	
Benzene	66.2	4.7	ug/kg dry	78.70	BRL	84	60-135	3	20	
Chlorobenzene	60.7	7.9	ug/kg dry	78.70	BRL	77	57-125	3	14	
Toluene	72.0	7.9	ug/kg dry	78.70	BRL	91	57-135	0.3	22	
Trichloroethylene	67.4	7.9	ug/kg dry	78.70	BRL	86	38-164	5	18	
Surrogate: 4-Bromofluorobenzene	*78.6*		*ug/kg dry*	*78.70*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*82.5*		*ug/kg dry*	*78.70*		*105*	*84-123*			
Surrogate: Toluene-d8	*74.8*		*ug/kg dry*	*78.70*		*95*	*76-129*			

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AMEC Env. & Infrastructure Inc (Morrisville) Project: 1 Hr. Martinizing
Attn: Katie A. Watkins
Suite 205, 2200 Gateway Centre Blvd. Project No: Greensboro, NC
Morrisville, NC 27560

Prism Work Order: 2010352
Time Submitted: 1/17/2012 3:50:00PM

Volatile Organic Compounds by GC/MS (Medium Level) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2A0391 - 5035										
Blank (P2A0391-BLK1)				Prepared & Analyzed: 01/23/12						
1,1-Dichloroethane	BRL	250	ug/kg wet							
Benzene	BRL	250	ug/kg wet							
Chlorobenzene	BRL	250	ug/kg wet							
Toluene	BRL	250	ug/kg wet							
Trichloroethylene	BRL	250	ug/kg wet							
Surrogate: 4-Bromofluorobenzene	*2380*		*ug/kg wet*	*2500*		*95*	*70-130*			
Surrogate: Dibromofluoromethane	*2290*		*ug/kg wet*	*2500*		*92*	*70-130*			
Surrogate: Toluene-d8	*2370*		*ug/kg wet*	*2500*		*95*	*70-130*			
LCS (P2A0391-BS1)				Prepared & Analyzed: 01/23/12						
1,1-Dichloroethylene	2350	250	ug/kg wet	2500		94	59-157			
Benzene	2710	250	ug/kg wet	2500		108	74-123			
Chlorobenzene	2780	250	ug/kg wet	2500		111	74-121			
Toluene	2630	250	ug/kg wet	2500		105	74-122			
Trichloroethylene	2700	250	ug/kg wet	2500		108	68-133			
Surrogate: 4-Bromofluorobenzene	*2440*		*ug/kg wet*	*2500*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*2330*		*ug/kg wet*	*2500*		*93*	*70-130*			
Surrogate: Toluene-d8	*2470*		*ug/kg wet*	*2500*		*99*	*70-130*			
LCS Dup (P2A0391-BSD1)				Prepared & Analyzed: 01/23/12						
1,1-Dichloroethylene	2440	250	ug/kg wet	2500		98	59-157	4	20	
Benzene	2820	250	ug/kg wet	2500		113	74-123	4	20	
Chlorobenzene	2790	250	ug/kg wet	2500		111	74-121	0.2	20	
Toluene	2750	250	ug/kg wet	2500		110	74-122	5	20	
Trichloroethylene	2830	250	ug/kg wet	2500		113	68-133	5	20	
Surrogate: 4-Bromofluorobenzene	*2430*		*ug/kg wet*	*2500*		*97*	*70-130*			
Surrogate: Dibromofluoromethane	*2360*		*ug/kg wet*	*2500*		*95*	*70-130*			
Surrogate: Toluene-d8	*2550*		*ug/kg wet*	*2500*		*102*	*70-130*			

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AMEC Env. & Infrastructure Inc (Morrisville) Project: 1 Hr. Martinizing
Attn: Katie A. Watkins
Suite 205, 2200 Gateway Centre Blvd. Project No: Greensboro, NC
Morrisville, NC 27560

Prism Work Order: 2010352
Time Submitted: 1/17/2012 3:50:00PM

General Chemistry Parameters - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2A0383 - NO PREP										
Blank (P2A0383-BLK1)				Prepared & Analyzed: 01/23/12						
% Solids	100	0.100	% by Weight							

Sample Extraction Data

Prep Method: 5030B

Lab Number	Batch	Initial	Final	Date/Time
2010352-07	P2A0313	10 mL	10 mL	01/19/12 9:59
2010352-08	P2A0313	10 mL	10 mL	01/19/12 9:59
2010352-08	P2A0313	10 mL	10 mL	01/19/12 9:59

Prep Method: 5035

Lab Number	Batch	Initial	Final	Date/Time
2010352-01	P2A0355	5.89 g	5 mL	01/20/12 9:28
2010352-02	P2A0355	5.98 g	5 mL	01/20/12 9:28
2010352-03	P2A0355	5.8 g	5 mL	01/20/12 9:28
2010352-04	P2A0355	4.28 g	5 mL	01/20/12 9:28
2010352-05	P2A0355	5.88 g	5 mL	01/20/12 9:28
2010352-06	P2A0355	4.34 g	5 mL	01/20/12 9:28

Prep Method: 5035

Lab Number	Batch	Initial	Final	Date/Time
2010352-02	P2A0391	5.87 g	5 mL	01/23/12 9:06
2010352-03	P2A0391	6.16 g	5 mL	01/23/12 9:06

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CHAIN OF CUSTODY RECORD

PRISM LABORATORIES, INC. | Full-Service Analytical & Environmental Solutions

449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543
Phone: 704/529-6364 • Fax: 704/525-0409

PAGE 1 OF 1 QUOTE # TO ENSURE PROPER BILLING: _____

Project Name: 1 Hr Martinizing

Short Hold Analysis: (Yes) (No) UST Project: (Yes) (No)

*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements

Invoice To: AMEC

Address: _____

Client Company Name: AMEC

Report To/Contact Name: Katie Watkins

Reporting Address: 2200 Gateway Centre Blvd Suite 205 Morrisville, NC 27606

Phone: _____ Fax (Yes) (No): _____

Email (Yes) (No) Email Address katie.watkins@amec.com

EDD Type: PDF X Excel X Other _____

Site Location Name: 1 Hr Martinizing

Site Location Physical Address: Greensboro, NC

Purchase Order No./Billing Reference _____

Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days

"Working Days" ☐ 6-9 Days ☑ Standard 10 days ☐ Rush Work Must Be Pre-Approved

Samples received after 15:00 will be processed next business day.

Turnaround time is based on business days, excluding weekends and holidays.

(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE? Temp 4.8	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NELAC ____ USACE ____ FL ____ NC ✓ SC ____ OTHER ____ N/A ____

Water Chlorinated: YES ___ NO ___

Sample Iced Upon Collection: YES ✓ NO ___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	6260 VOC						REMARKS	PRISM LAB ID NO.
SB-1-4	1/16/12	1100	Soil	VOA, CG	4	4oz, 40mL	NaHSO4, CH3OH	X							Ø1
SB-2-4		1155						X							Ø2
SB-2-13		1200						X							Ø3
SB-3-1		1300						X							Ø4
SB-3-4		1305						X							Ø5
SB-4-4		1430						X							Ø6
TMW-1		1350	Water	VOA	3	40mL	HCl	X							Ø7
TMW-2		1445						X							Ø8

Sampler's Signature _____ Sampled By (Print Name) John Moore Affiliation Geologist

PRESS DOWN FIRMLY - 3 COPIES

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

		Date	Military/Hours
Relinquished By: (Signature)	Received By: (Signature)	1/17/12	12:40
Relinquished By: (Signature)	Received By: (Signature)	1-17-12	1412
Relinquished By: (Signature) 1-17-12 1550	Received For Prism Laboratories By:	1.17.12	1550

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

☐ Fed Ex ☐ UPS ☐ Hand-delivered ☑ Prism Field Service ☐ Other _____

COC Group No. 2Ø1Ø352

Additional Comments: QC Lvl II

PRISM USE ONLY

Site Arrival Time:

Site Departure Time:

Field Tech Fee:

Mileage:

CODES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC
	☐	☐	☐	☐	☐	☐	☐	☐

CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

SEE REVERSE FOR TERMS & CONDITIONS

ORIGINAL

ATTACHMENT 22
Conclusions

Attachment 22

CONCLUSIONS

Tetrachloroethylene (PCE) and its daughter products were identified in groundwater samples collected from temporary monitoring wells TWM-1 and TMW-2. PCE was identified in TWM-1 at a concentration of 0.0056 milligrams per liter (mg/L) and TMW-2 at a concentration of 1.4 mg/L, exceeding its North Carolina 2L Groundwater Quality Standard (2L Standard) of 0.0007 mg/L. Trichloroethylene (TCE) was identified in TMW-1 at a concentration of 0.0015 mg/L, below its 2L standard of 0.003 mg/L and at a concentration of 0.0079 mg/L in TMW-2, exceeding its 2L standard. Cis-1,2-Dichloroethylene was detected in both TMW-1 and TMW-2, at concentrations of 0.00061 J mg/L and 0.0031 mg/L respectively, below its 2L Standard of 0.07 mg/L. Additionally, Bromodichloromethane was identified in TMW-1 at a concentration of 0.00069 J mg/L exceeding its 2L Standard of 0.0006 mg/L.

PCE and daughter products were identified in exceedance of their North Carolina Department of Environment and Natural Resources (NCDENR) Division of Waste Management (DWM) Inactive Hazardous Sites Branch (IHSB) soil remediation goals (SRG) in soil borings SB-2 and SB-4. Soil Boring SB-2, located along the eastern exterior of the site building, contained PCE (0.62 mg/kg) at a depth of thirteen feet below land surface (bls) exceeding its SRG of 0.005 mg/kg, cis-1,2-Dichloroethylene (DCE) at four feet bls (1.2 mg/kg) and thirteen feet bls (4.4 mg/kg) exceeding its SRG of 0.36 mg/kg, TCE at thirteen feet bls (0.48 J mg/kg) exceeding its SRG of 0.018 mg/kg and Vinyl Chloride at four feet bls (0.28 J mg/kg) and thirteen feet bls (0.44 J mg/kg) exceeding its SRG of 0.00019 mg/kg. Trans-1,2-DCE was identified in SB-2 at both four feet (0.011 mg/kg) and thirteen feet (0.035 mg/kg) bls but was below its SRG. Soil boring SB-4, located in the assumed former dumpster location, contained PCE (0.014 J mg/kg) at a depth of four feet bls exceeding its SRG of 0.005 mg/kg. PCE was also identified at interior boring SB-3 (0.0046 J mg/kg) but below the SRG.

Groundwater at the assumed upgradient property boundary (TMW-2) contained chlorinated solvents at concentrations in exceedance of regulatory standards and therefore, it is possible that contaminants may have migrated onto the property from an off-site source. Groundwater flow directions would need to be confirmed because the site lies immediately adjacent to a north-south trending topographic ridge which could impact groundwater flow directions. However, based on the impact to the subsurface soils around the facility and the impact to groundwater likely downgradient of the facility at concentrations exceeding regulatory remediation goals, it appears a release has occurred at the former 1-Hour Martinizing facility and the site can be enrolled in the Dry–Cleaning Solvent Cleanup Program.

ATTACHMENT 23
Photographic Log

Photo 1

A view of the front of the site building and TMW-2. View is facing south.

Photo 2

A view of the southeast corner of the site building. The concrete has many cracks. View is facing northwest.

amec
2200 Gateway Centre Boulevard, Suite 205
Morrisville, NC 27560

PROCESSED	John Maas
DATE	01/16/2012
PAGE	1

PHOTOGRAPH LOG

1 -Hour Martinizing
2519 High Point Rd.
Greensboro, North Carolina
DSCA ID# 41-0039

Photo 3

A view of soil boring location SB-2. View is facing west.

Photo 4

A view along the southern side of the site building. View is facing west.

Photo 5

A view of soil boring location SB-1. View is facing north.

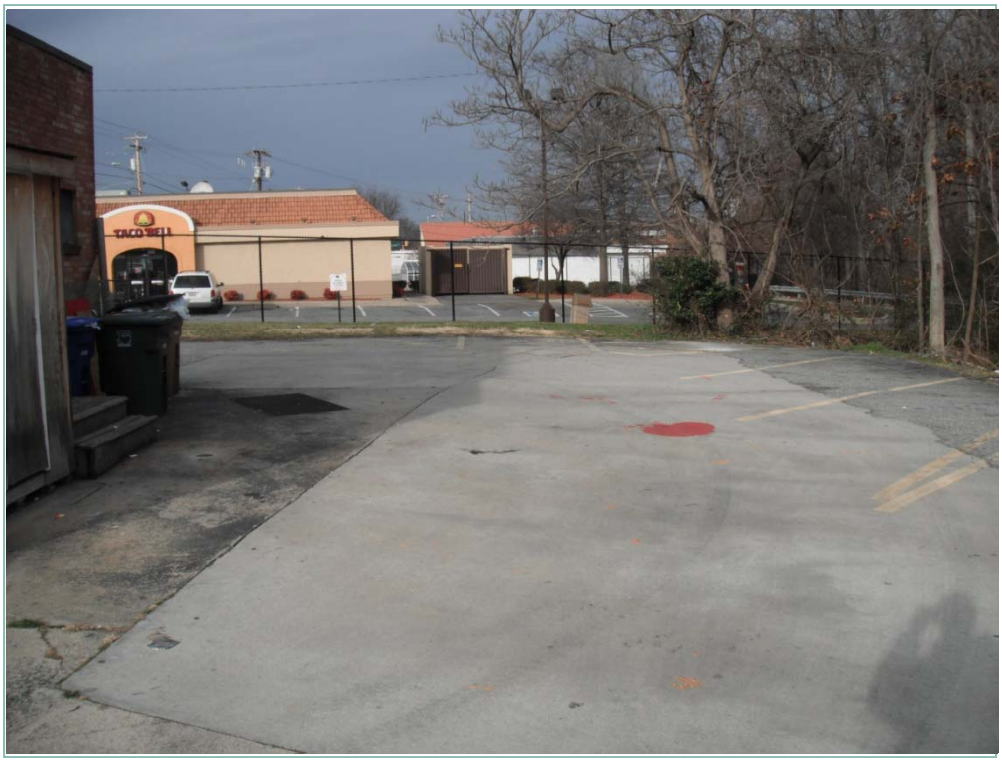

Photo 6

A view of the eastern portion of the property and assumed location of the former dumpster. View is facing north.

Photo 7

A view of soil boring location SB-4 in the assumed former dumpster location. View is facing north.

Photo 8

A view of the northern side of the building. View is facing west.

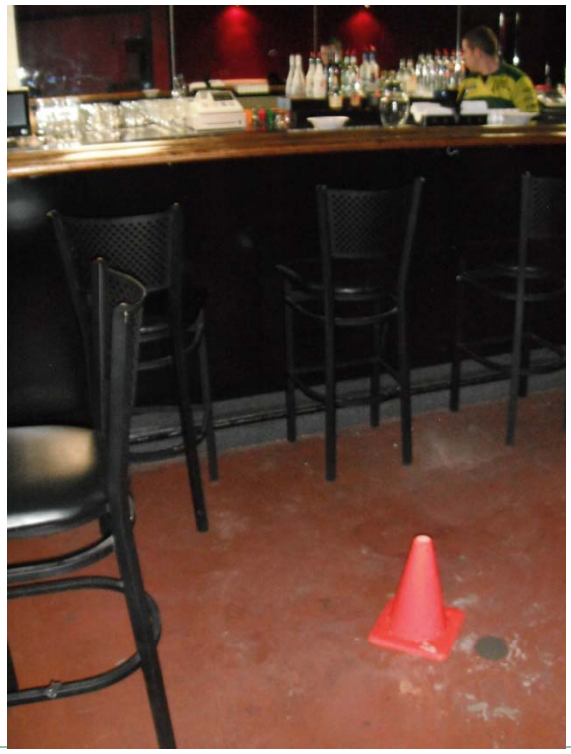

Photo 9

A view of a patched interior soil boring SB-3/TMW-1.

Analytical Data Tables
for
North Carolina Dry-Cleaning Solvent Cleanup Act Program

Facility Name:	1-Hour Martinizing
	2519 High Point Rd., Greensboro, Guilford County, North Carolina
DSCA ID No.:	41-0039
Submittal Date:	March 2, 2012
Prepared By:	AMEC Environment & Infrastructure, Inc.
	2200 Gateway Centre Boulevard Suite 205, Morrisville NC 27560

Table of Contents		ADT TOC
DSCA ID No.: 41-0039		
Table/ Att. No.	**Description**	**Check box if included**
	Tables	
Table 1	Site Chronology	☑
Table 2	Analytical Data for Soil	☑
Table 3	Monitoring Well Construction Data	☐
Table 4	Groundwater Elevation Data	☐
Table 5	Analytical Data for Groundwater	☑
Table 6	Analytical Data for Surface Water	☐
Table 7	Water Well(s) Survey Data	☐
Table 8	Analytical Data for Water Supply Well(s)	☐
Table 9	Analytical Data for Natural Attenuation Parameters	☐
	Attachments	
Att. 1	Site map showing location(s) of soil boring(s).	☐
Att. 2	Soil contaminant concentration maps showing the concentration at each sampling point.	☐
Att. 3	Soil isoconcentration maps.	☐
Att. 4	Site map showing location(s) of monitoring well(s).	☐
Att. 5	Well completion diagrams and records of construction submitted to state.	☐
Att. 6	Groundwater gradient map for each sampling event.	☐
Att. 7	PCE concentration map showing the concentration at each sampling point and isoconcentration map. However, if there are significant plumes for other dry-cleaning contaminants, contaminant concentration maps for each chemical of concern should be included.	☐
Att. 8	Groundwater concentration trend plots.	☐
Att. 9	Map showing location(s) of surface water sample(s) (if applicable).	☐
Att. 10	Surface water concentratin map showing the concentration at each sampling point (if applicable).	☐
Att. 11	USGS Quad map with plotted water well location(s) within the 1,500 foot and 0.5 mile radii of the site (if applicable).	☐
Att. 12	Signed laboratory analytical reports including chain-of custody and quality assurance/quality control (QA/QC) documentation (only if not previously submitted).	☐
Att. 13	Site map showing location(s) of monitoring well(s) for natural attenuation paramete	☐
Att. 14	Groundwater contaminant concentration map	☐
Att. 15		☐
Att. 16		☐
Att. 17		☐
Att. 18		☐
Att. 19		☐
Att. 20		☐

Note:
1. All maps must include a bar scale, north arrow, site name, DSCA ID No., and date.

Table 1: Site Chronology	ADT 1
DSCA ID No.: 41-0039	
Chronology of Events	
Date	Instructions: Brief description of all significant events that have occurred since a problem was suspected at the facility. Commence with the first date a problem was suspected and continue through the most recent activity described in the current report.
August 2010	In August 2010, Arcadis conducted a Soil Gas Survey as part of their Remedial Strategy Report dated September 30, 2010. Results from the Soil Gas Survey indicated PCE concentrations >1,000ug/m^3 in the area surrounding the 1-Hour Martinizing Facility.
November 22, 2011	Vic Permar signs 2519 High Point Road property access agreement allowing access to conduct 1% investigation.
January 16, 2012	AMEC Environment & Infrastructure, Inc. conducted a 1% investigation at the Former 1-Hour Martinizing facility to determine if soil and/or groundwater at the site exhibited dry cleaning constituents of concern at concentrations exceeding their respective standard, allowing the site to be entered into the DSCA Program. Work included the analysis of six soil samples and two groundwater grab samples for the presence of volatile organic compounds according to EPA Method 8260B.

Table 2: Analytical Data for Soil **ADT 2**

DSCA ID No.: 41-0039

Sample ID	Depth [feet bls]	Sampling Date (mm/dd/yy)	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethylene	1,2-Dichloroethane (EDC)	Benzene	Benzo(a)pyrene	Carbon tetrachloride	Chloroform	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Total Xylenes	Acetone
			[mg/kg]																				
SB-1-4	4	01/16/12	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0034	NA	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.0057	<0.0057	<0.0057	<0.011	<0.0167	0.022 J
SB-2-4	4	01/16/12	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0035	NA	<0.0058	<0.0058	**1.2**	<0.0058	<0.0058	<0.0058	<0.012	<0.0058	0.011	<0.0058	**0.28 J**	<0.0178	0.013 J
SB-2-13	13	01/16/12	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0037	NA	<0.0062	<0.0062	**4.4**	<0.0062	<0.0062	<0.0062	**0.62**	<0.0062	0.035	**0.48 J**	**0.44 J**	<0.0182	0.034
SB-3-1	1	01/16/12	<0.0077	<0.0077	<0.0077	<0.0077	<0.0077	<0.0077	<0.0046	NA	<0.0077	<0.0077	<0.0077	<0.0077	<0.0077	<0.0077	0.0046 J	<0.0077	<0.0077	<0.0077	<0.015	<0.0227	0.016 J
SB-3-4	4	01/16/12	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0035	NA	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.012	<0.0058	<0.0058	<0.0058	<0.012	<0.0178	0.012 J
SB-4-4	4	01/16/12	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0045	NA	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	**0.014 J**	<0.0075	<0.0075	<0.0075	<0.015	<0.0225	0.049
			1.2	0.0012	0.0032	0.030	0.045	0.002	0	0.059	0.0021	0.34	0	8.1	0.085	0.21	0.005	5.5	0.51	0.018	0.00019	5.8	24

Table 5: Analytical Data for Groundwater **ADT 5**

DSCA ID No.: 41-0039

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethylene	1,2-Dichloroethane (EDC)	Benzene	Benzo(a)pyrene	Carbon tetrachloride	Chloroform	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Total Xylenes	Bromodichloromethane
		[mg/L]																				
TMW-1	01/16/12	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0020	0.0069	0.00061 J	<0.0010	<0.0010	<0.0010	**0.0056**	<0.0010	<0.0020	0.0015 J	<0.0020	<0.003	**0.00069 J**
TMW-2	01/16/12	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0020	0.0041	0.0031	<0.0010	<0.0010	<0.0010	**1.4**	<0.0010	<0.0020	**0.0079**	<0.0020	<0.003	<0.0010
		0.2	0.0002		0.006	0.007	0.0004	0.001	0.000005	0.0003	0.07	0.07	0.6	0.02	0.006	0.0007	0.6	0.1	0.003	3E-05	0.5	0.0006