Preliminary Site Assessment

P-5208B –Proposed Grade Separation

Parcel 3B: K&C Auto Salvage

Owner: K&C Auto Salvage

2609 Hwy 49

Harrisburg, Cabarrus County, North Carolina

WBS Element: 50000.1.STR05T1B

July 23, 2012

Terracon Project No. 71127731

Prepared for:

North Carolina Department of Transportation (NCDOT)

Geotechnical Engineering Unit

Prepared by:

Terracon Consultants, Inc.

Charlotte, North Carolina

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Page No.

July 23, 2012

North Carolina Department of Transportation
Attention: Mr. Gordon Box, LG
Geotechnical Engineering Unit
1589 Mail Service Center
Raleigh, NC 27699

Re: Preliminary Site Assessment (PSA)
P-5208B Proposed Grade Separation
Parcel 3B: K&C Auto Salvage
2609 Hwy 49
Harrisburg, Cabarrus County, North Carolina
Terracon Project No. 71127731
WBS Element: 50000.1.STR05T1B

Dear Mr. Box:

Terracon Consultants, Inc. (Terracon) is pleased to submit a Preliminary Site Assessment (PSA) report for the above referenced site. This assessment was performed in accordance with our Proposal for Preliminary Site Assessments (Terracon Proposal No. 71127E040 dated June 4, 2012). This report includes the findings of our investigation and provides our conclusions and recommendations.

Terracon appreciates the opportunity to provide these services to NCDOT. If you have any questions concerning this report or need additional information, please contact us at 704-509-1777.

Sincerely,

Terracon Consultants, Inc.

Stephen C. Brown
Project Geologist

Christopher L. Corbitt, PG
Senior Geologist

PRELIMINARY SITE ASSESSMENT

P-5208B – PROPOSED GRADE SEPARATION
PARCEL 3B - K&C AUTO SALVAGE
2609 HWY 49
HARRISBURG, CABARRUS COUNTY, NORTH CAROLINA

1.0 INTRODUCTION

1.1 Site Description

Site Name	Parcel 3B, K&C Auto Salvage
Site Location/Address	2609 Hwy 49, Harrisburg, Cabarrus County, North Carolina
General Site Description	The site is occupied by an automobile salvage yard with an office building and shop facility that is situated within a fenced compound. The site is covered mostly be exposed soils and a gravel-covered access drive from Pharr Mill Road to the office.

1.2 Site History

According to information reviewed from the North Carolina Department of Environment and Natural Resources (NCDENR), there are no known release incidents associated with the site. Knowledge of prior underground storage tanks (USTs) was unknown at the time of the investigation.

1.3 Scope of Work

At your request, Terracon is completing a scope of work in accordance with the NCDOT's Request for Technical and Cost Proposal dated May 16, 2012 and Terracon's Proposal for Preliminary Site Assessment (Proposal No.71127E040) dated June 4, 2012. The scope of work included the collection of six soil samples for laboratory analysis and preparation of a report documenting our soil investigation activities. A geophysical investigation was not completed for this PSA due to presence of numerous junked automobiles covering most of the site.

1.4 Standard of Care

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time period. Terracon makes no warranties, either expressed or implied, regarding the findings, conclusions or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies or other third parties supplying information used in the preparation of the report. These PSA services were performed in accordance with the scope of work authorized by you, our client, as reflected in our proposal and were not conducted in

accordance with ASTM E1903-97.

1.5 Additional Scope Limitations

Findings, conclusions and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, undetectable or not present during these services, as such, we cannot represent that the site is free of hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this PSA. Subsurface conditions may vary from those encountered at specific borings or wells or during other surveys, tests, assessments, investigations or exploratory services; the data, interpretations, findings, and our recommendations are based solely upon data obtained at the time and within the scope of these services.

1.6 Reliance

This report has been prepared for the exclusive use of our client, the North Carolina Department of Transportation (NCDOT). Authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the expressed written consent of the client and Terracon.

2.0 FIELD ACTIVITIES

The following PSA activities were conducted in the field on July 6, 2012. Exhibit 1 presents the general boundaries and topography of the site on portions of the Concord SE, North Carolina USGS topographic quadrangle map, dated 1969, photo-revised 1987. Exhibit 2 is a site layout plan that depicts the approximate locations of the site features, soil boring locations and analytical data.

2.1 Soil Sampling

Terracon directed the advancement of eight (8) soil borings (3B-1 through 3B-8) within the central portion of the auto salvage yard and near the office/shop building on July 6, 2012. The borings were completed by Probe Technology, Inc., a North Carolina licensed driller using a Geoprobe® direct-push rig. The drilling equipment was cleaned prior to beginning the project and before the advancement of each boring.

The soil borings were advanced within exposed soil areas and near rock outcrops within the salvage yard. Soil samples were collected in 5-foot, disposable, acetate sleeves and were observed to document soil lithology, color, moisture content, and sensory evidence of impairment. Soil samples were placed in re-sealable plastic bags that were set aside for a

sufficient amount of time to allow volatilization of organic compounds that may have been present in the soils. The soil samples were then screened using a field-portable *MiniRAE 3000* Photoionization Ionization Detector (PID) by inserting the probe tip into the headspace of the bag. The PID readings and soil sample depths are included on individual Boring Logs in Appendix A.

The borings were advanced to a depth of approximately 10 feet below ground surface (bgs). Based on our observations, soils obtained from the acetate sleeves were separated into approximately 5-foot intervals but discreet samples were collected throughout each interval. Groundwater was not encountered in any of the borings advanced at the site.

The soil samples were collected and placed in laboratory prepared glassware and placed on ice in a cooler which was secured with a custody seal. The sample cooler and completed chain-of-custody forms were relinquished to Pace Analytical Services (Pace) in Huntersville, North Carolina.

2.2 Subsurface Conditions

Each boring was advanced to a depth of 10 feet bgs. The soils mostly consisted of brown to dark brown, silty fine sand from approximately 0 to 10 feet bgs. Petroleum odors were noted in boring 3B-7 as well as elevated PID readings as high as 60.3 parts per million (ppm). Soil samples were submitted from the deepest sampling interval in the borings where no petroleum odors were detected. The soil sample from boring 3B-7 was obtained from the interval with the highest PID readings (0 to 5 feet).

3.0 LABORATORY ANALYSIS

The soil samples were submitted for laboratory analysis of volatile organic compounds (VOCs) by EPA Method 8260, polynuclear aromatic hydrocarbons (PAHs) by EPA Method 8270 and selected metals (chromium and lead by EPA Method 6010. Samples were submitted to Pace in Huntersville, North Carolina. Please refer to Appendix C for the laboratory analytical reports.

4.0 DATA EVALUATION

4.1 Soil Sample Analytical Results and Interpretation

Based on the laboratory results, acetone was detected in samples 3B-4, 3B-5, and 3B-7 at concentrations of 115, 207, and 198 micrograms/kilogram (µg/kg), respectively. According to the laboratory data, acetone is considered to be a laboratory artifact because one of the soil preservatives (sodium bisulfate) reacts with humic acid to produce ketones such as acetone.

Petroleum constituents (benzene at 0.0061 mg/kg, diisopropyl ether at 0.0128 mg/kg, ethylbenzene at 0.0058 mg/kg, methyl tert-butyl ether (MTBE) at 0.203 mg/kg, naphthalene at

0.0458 mg/kg, toluene at 0.0075 mg/kg, 1,2,4-trimethylbenzene at 0.0652 mg/kg, 1,3,5-trimethylbenzene at 0.0154 mg/kg and total xylenes at 0.0678 mg/kg) were detected in soil sample 3B-7 which was located within the auto salvage yard. Benzene slightly exceeded the NCDENR Soil to Groundwater Maximum Soil Contaminant Concentration (MSCC) while the remaining petroleum constituents were below their respective MSCCs. Based on the location of the detected petroleum constituents, it is likely these constituents represent a localized spill from the junked automobiles within the salvage yard. No volatile or PAH compounds were detected above the laboratory reporting limits in the other soil samples obtained from Parcel 3B, K&C Auto Salvage.

Chromium and lead were detected in each of the soil samples obtained at the site. Lead was detected at concentrations that do not exceed its MSCC established by the NCDENR. Chromium was detected at concentrations that exceed its MSCC in most of the samples obtained at the site. Based on review of *Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States, USGS Professional Paper 1270,* chromium and lead detected at the site are within the range of naturally occurring concentrations. We consider these metals to be naturally occurring.

5.0 CONCLUSIONS

The findings of this investigation are discussed below:

- No geophysical investigation was conducted for this PSA due to presence of numerous junked automobiles covering most of the site.
- Eight soil borings were advanced to a depth of approximately 10 feet bgs.
- Acetone, a laboratory artifact, was detected in soil samples 3B-4, 3B-5, and 3B-7 at concentrations ranging from 115 to 207 µg/kg. The detection of acetone is not considered to be representative of the site.
- Various petroleum constituents were detected in soil sample 3B-7 which was located within the auto salvage yard. Benzene slightly exceeded its MSCC established by the NCDENR while the remaining petroleum constituents were below their respective MSCCs. Chromium also exceeded its MSCC in most of the samples collected at the site.
- No other volatile and PAH compounds were detected above laboratory reporting limits in the eight soil samples obtained from Parcel 3B.
- Chromium and lead detected at the site are considered to be naturally occurring.
- Groundwater was not encountered in the soil borings advanced on the site.
- Based on the laboratory analytical results, one apparently localized area within the auto salvage yard was impacted by a release of petroleum constituents most likely a spill from junked automobiles.

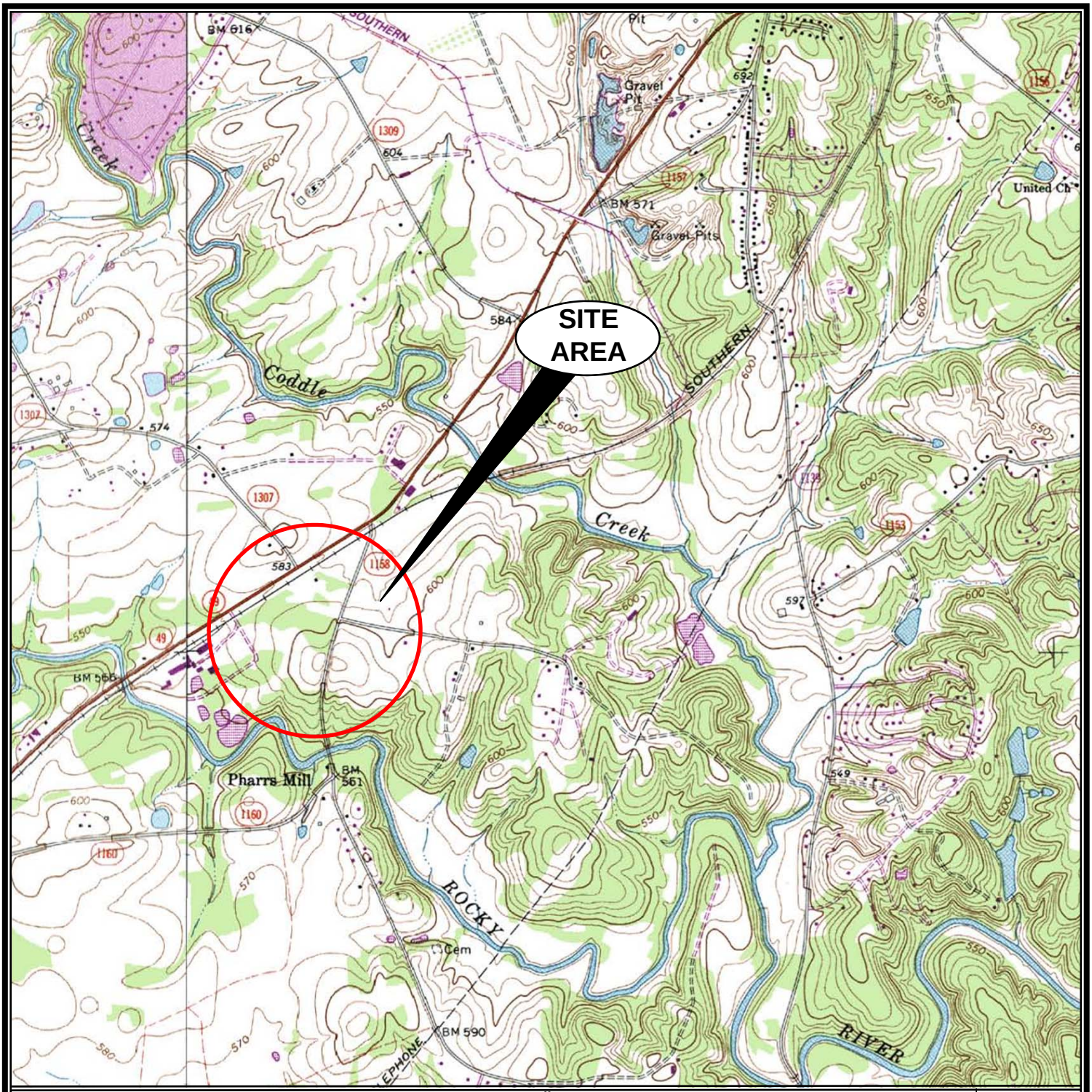
TABLES

Table 1
Summary of Analyses for Soils
Parcel 3B - K&C Auto Salvage
2609 Hwy 49
Harrisburg, North Carolina
Terracon Project: 71127731

Analytical Methods		EPA Method 8260										EPA Method 6010	
Contaminant of Concern		Acetone	Benzene	Diisopropyl Ether	Ethylbenzene	MTBE	Naphthalene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Xylenes	Lead	Chromium
Sample I.D.	Date Collected												
3B-1	7/6/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.74	28.8
3B-2	7/6/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.97	25.2
3B-3	7/6/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11.2	97.2
3B-4	7/6/2012	0.115	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.8	142
3B-5	7/6/2012	0.207	ND	ND	ND	ND	ND	ND	ND	ND	ND	20.4	69.1
3B-6	7/6/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	43.6
3B-7	7/6/2012	0.198	0.0061	0.0128	0.0058	0.203	0.0458	0.0075	0.0652	0.0154	0.0678	9.4	42.1
3B-8	7/6/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.6	59.4
Soil to Water MSCCs (mg/kg)		2.8	0.0056	0.37	4.6	0.92	0.58	7.3	7.5	7.3	5	270	27

- Laboratory results reported in milligrams per kilogram (mg/kg).
- Contaminants detected above the NCDENR UST Section Soil to Groundwater Maximum Soil Contaminant Concentrations (MSCCs) are shaded yellow.
- ND = Not detected at concentrations above the method detection limit.

FIGURES



USGS TOPOGRAPHIC MAP

P-5208B –PROPOSED GRADE SEPARATION
Parcel 3B: K&C Auto Salvage
2609 NC HIGHWAY 49

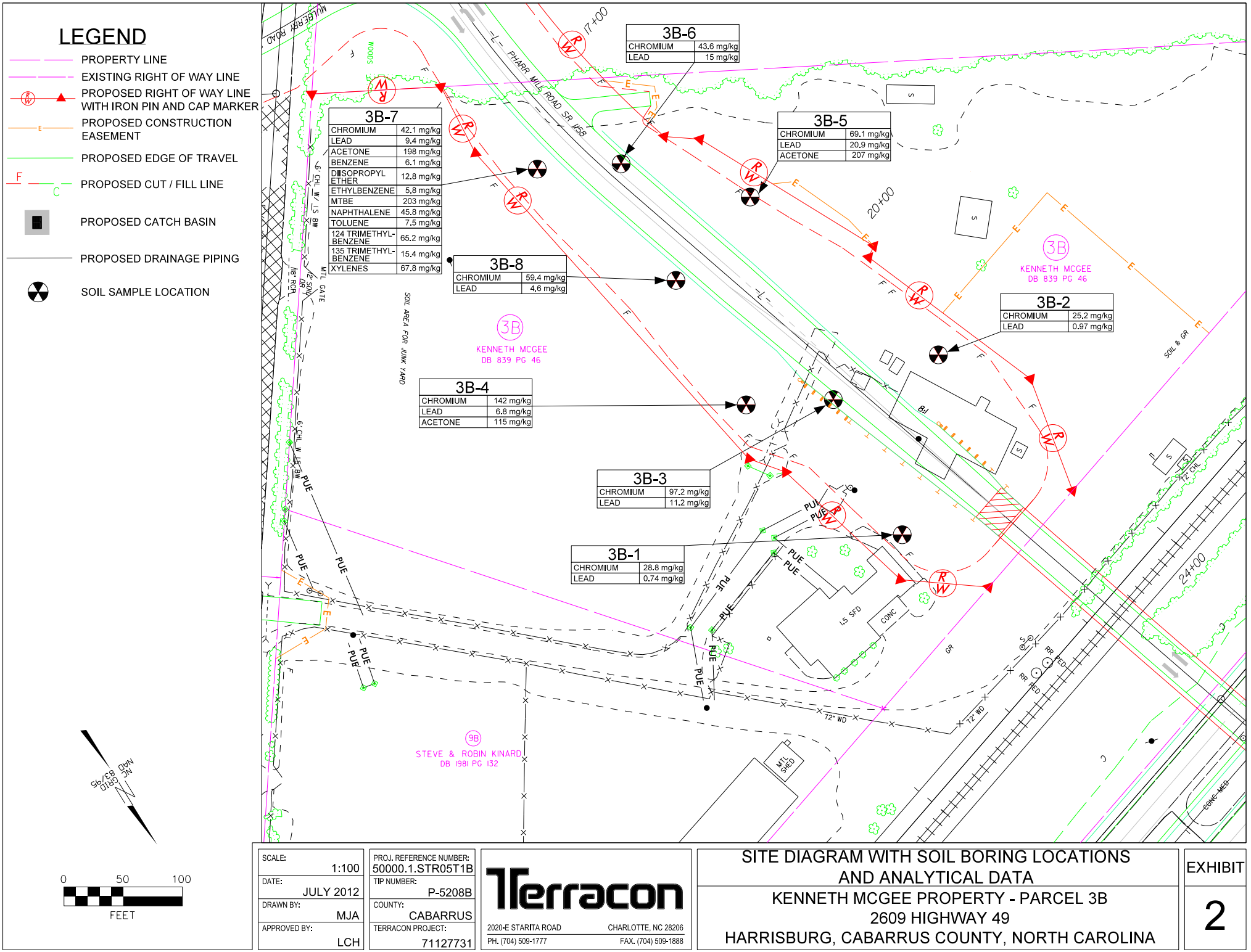
HARRISBURG, NORTH CAROLINA

Terracon

N

PROJECT NO.: 71127731	
DATE: July 23, 2012	
DRAWN BY: SCB	
SCALE: 1" = 2000'	FIGURE NO. 1

REFERENCE: USGS Topographic Map; Concord Southeast, North Carolina Quadrangle; dated 1969 (photo-revised 1987).


LEGEND
PROPERTY LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE WITH IRON PIN AND CAP MARKER
PROPOSED CONSTRUCTION EASEMENT
PROPOSED EDGE OF TRAVEL
PROPOSED CUT / FILL LINE
PROPOSED CATCH BASIN
PROPOSED DRAINAGE PIPING
SOIL SAMPLE LOCATION
3B-6
CHROMIUM 43.6 mg/kg
LEAD 15 mg/kg
3B-7
CHROMIUM 42.1 mg/kg
LEAD 9.4 mg/kg
ACETONE 198 mg/kg
BENZENE 6.1 mg/kg
DIISOPROPYL ETHER 12.8 mg/kg
ETHYLBENZENE 5.8 mg/kg
MTBE 203 mg/kg
NAPHTHALENE 45.8 mg/kg
TOLUENE 7.5 mg/kg
124 TRIMETHYL-BENZENE 65.2 mg/kg
135 TRIMETHYL-BENZENE 15.4 mg/kg
XYLENES 67.8 mg/kg
3B-5
CHROMIUM 69.1 mg/kg
LEAD 20.9 mg/kg
ACETONE 207 mg/kg
3B-8
CHROMIUM 59.4 mg/kg
LEAD 4.6 mg/kg
3B-2
CHROMIUM 25.2 mg/kg
LEAD 0.97 mg/kg
3B-4
CHROMIUM 142 mg/kg
LEAD 6.8 mg/kg
ACETONE 115 mg/kg
3B-3
CHROMIUM 97.2 mg/kg
LEAD 11.2 mg/kg
3B-1
CHROMIUM 28.8 mg/kg
LEAD 0.74 mg/kg
3B
KENNETH MCGEE
DB 839 PG 46
9B
STEVE & ROBIN KINARD
DB 1981 PG 132
PHARR MILL ROAD SR 1158
MULBERRY ROAD
17+00
20+00
24+00
SOIL AREA FOR JUNK YARD
MTL GATE
MTL SHED
1.5 SFD
CONC
NC GRID NAD 83/95
0 50 100
FEET
SCALE: 1:100
DATE: JULY 2012
DRAWN BY: MJA
APPROVED BY: LCH
PROJ. REFERENCE NUMBER: 50000.1.STR05T1B
TIP NUMBER: P-5208B
COUNTY: CABARRUS
TERRACON PROJECT: 71127731
Terracon
2020-E STARITA ROAD CHARLOTTE, NC 28206
PH. (704) 509-1777 FAX. (704) 509-1888
SITE DIAGRAM WITH SOIL BORING LOCATIONS AND ANALYTICAL DATA
KENNETH MCGEE PROPERTY - PARCEL 3B
2609 HIGHWAY 49
HARRISBURG, CABARRUS COUNTY, NORTH CAROLINA
EXHIBIT
2

APPENDIX A

Boring Logs

SOIL BORING LOG

PROJECT NAME: K&C Auto Salvage	SOIL BORING I.D.: 3B-1
PROJECT NO.: 71127731	DATE(S) DRILLED: July 6, 20121
PROJECT LOCATION: 2609 Hwy. 49 Harrisburg, North Carolina	DRILLING CONTR.: Probe Technology DRILL METHOD: Direct Push BORING DIAMETER: 2 inches
CLIENT: North Carolina Department of Transportation	SAMPLING METHOD/INTERVAL: GP (5-Foot)
LOGGED BY: Jeff Wiggins	REMARKS: BGS = below grade surface

DESCRIPTIVE LOG

SAMPLE INTERVAL	SAMPLE REC. (IN.)	BLOWS PER 6"	PID/FID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF SOIL
0 - 5.0		NA	2.7		0.0	Brown-tan silty fine sand with gravel
					0.5	No Petroleum Odor
					1.0	
					1.5	
					2.0	
					2.5	Residual
					3.0	
					3.5	
					4.0	
					4.5	Brown-tan silty fine sand
5.0 - 10.0		NA	0.1		5.0	Sampled at 5 to 10 ft interval
					5.5	No Petroleum Odor
					6.0	
					6.5	
					7.0	
					7.5	
					8.0	
					8.5	
					9.0	
					9.5	
					10.0	BORING TERMINATED AT 10 FEET BGS
					10.5	No Petroleum Odor
					11.0	
					11.5	
					12.0	
					15.5	
					13.0	
					13.5	
					14.0	
					14.5	
					15.0	
					15.5	
					16.0	

DRILLING METHODS
AR - AIR ROTARY
CFA - CONTINUOUS FLIGHT AUGER
DC - DRIVEN CASING
HA - HAND AUGER
HSA - HOLLOW STEM AUGER
MD - MUD DRILLING
RC - ROCK CORING
WR - WATER ROTARY

SAMPLING METHODS
SS - SPLIT SPOON
ST - SHELBY TUBE
GP - GEOPROBE

* - Sample collected for analysis
ND = <1 ppm

Terracon

SOIL BORING LOG

PROJECT NAME:K&C Auto Salvage	SOIL BORING I.D.: 3B-2
PROJECT NO.: 71127731	DATE(S) DRILLED: July 6, 20121
PROJECT LOCATION: 2609 Hwy. 49 Harrisburg, North Carolina	DRILLING CONTR.: Probe Technology DRILL METHOD: Direct Push BORING DIAMETER: 2 inches
CLIENT: North Carolina Department of Transportation	SAMPLING METHOD/INTERVAL: GP (5-Foot)
LOGGED BY: Jeff Wiggins	REMARKS: BGS = Below Grade Surface

DESCRIPTIVE LOG

SAMPLE INTERVAL	SAMPLE REC. (IN.)	BLOWS PER 6"	PID/FID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF SOIL
0 - 5.0		NA	0.1		0.0	Brown-tan silty sand with gravel
					0.5	No Petroleum Odor
					1.0	
					1.5	Residual
					2.0	
					2.5	
					3.0	
					3.5	
					4.0	
					4.5	Brown-tan silty fine sand
5.0 - 10.0		NA	0.3		5.0	No Petroleum Odor
					5.5	Sampled at 5 to 10 ft interval
					6.0	
					6.5	
					7.0	
					7.5	
					8.0	
					8.5	
					9.0	Brown-tan silty fine sand
					9.5	No Petroleum Odor
					10.0	
					10.5	BORING TERMINATED AT 10 FEET BGS
					11.0	
					11.5	
					12.0	
					15.5	
					13.0	
					13.5	
					14.0	
					14.5	
					15.0	
					15.5	
					16.0	

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SAMPLING METHODS
SS - SPLIT SPOON
ST - SHELBY TUBE
GP - GEOPROBE

* - Sample collected for analysis
ND = <1 ppm

Terracon

SOIL BORING LOG

PROJECT NAME: K&C Auto Salvage	SOIL BORING I.D.: 3B-3
PROJECT NO.: 71127731	DATE(S) DRILLED: July 6, 20121
PROJECT LOCATION: 2609 Hwy. 49 Harrisburg, North Carolina	DRILLING CONTR.: Probe Technology DRILL METHOD: Direct Push BORING DIAMETER: 2 inches
CLIENT: North Carolina Department of Transportation	SAMPLING METHOD/INTERVAL: GP (5-Foot)
LOGGED BY: Jeff Wiggins	REMARKS: BGS = Below Grade Surface

DESCRIPTIVE LOG

SAMPLE INTERVAL	SAMPLE REC. (IN.)	BLOWS PER 6"	PID/FID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF SOIL
0 - 5.0		NA	0.1		0.0	Brown-tan silty sand with gravel
					0.5	No Petroleum Odor
					1.0	
					1.5	Residual
					2.0	
					2.5	
					3.0	
					3.5	
					4.0	
					4.5	Brown-tan silty fine sand
5.0 - 10.0		NA	0.1		5.0	No Petroleum Odor
					5.5	Sampled at 5 to 10 ft interval
					6.0	
					6.5	
					7.0	
					7.5	
					8.0	
					8.5	
					9.0	Brown-tan silty fine sand
					9.5	No Petroleum Odor
					10.0	
					10.5	BORING TERMINATED AT 10 FEET BGS
					11.0	
					11.5	
					12.0	
					15.5	
					13.0	
					13.5	
					14.0	
					14.5	
					15.0	
					15.5	
					16.0	

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SAMPLING METHODS
SS - SPLIT SPOON
ST - SHELBY TUBE
GP - GEOPROBE

* - Sample collected for analysis
ND = <1 ppm

Terracon

SOIL BORING LOG

PROJECT NAME: K&C Auto Salvage	SOIL BORING I.D.: 3B-4
PROJECT NO.: 71127731	DATE(S) DRILLED: July 6, 20121
PROJECT LOCATION: 2609 Hwy. 49 Harrisburg, North Carolina	DRILLING CONTR.: Probe Technology DRILL METHOD: Direct Push BORING DIAMETER: 2 inches
CLIENT: North Carolina Department of Transportation	SAMPLING METHOD/INTERVAL: GP (5-Foot)
LOGGED BY: Jeff Wiggins	REMARKS: BGS = Below Grade Surface

DESCRIPTIVE LOG

SAMPLE INTERVAL	SAMPLE REC. (IN.)	BLOWS PER 6"	PID/FID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF SOIL
0 - 5.0		NA	0.1		0.0	Brown-tan silty sand with gravel
					0.5	No Petroleum Odor
					1.0	
					1.5	Residual
					2.0	
					2.5	
					3.0	
					3.5	
					4.0	
					4.5	Brown-tan silty fine sand
5.0 - 10.0		NA	0.1		5.0	No Petroleum Odor
					5.5	Sampled at 5 to 10 ft interval
					6.0	
					6.5	
					7.0	
					7.5	
					8.0	
					8.5	
					9.0	Brown-tan silty fine sand
					9.5	No Petroleum Odor
					10.0	
					10.5	BORING TERMINATED AT 10 FEET BGS
					11.0	
					11.5	
					12.0	
					15.5	
					13.0	
					13.5	
					14.0	
					14.5	
					15.0	
					15.5	
					16.0	

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SAMPLING METHODS
SS - SPLIT SPOON
ST - SHELBY TUBE
GP - GEOPROBE

* - Sample collected for analysis
ND = <1 ppm

Terracon

SOIL BORING LOG

PROJECT NAME: K&C Auto Salvage	SOIL BORING I.D.: 3B-5
PROJECT NO.: 71127731	DATE(S) DRILLED: July 6, 20121
PROJECT LOCATION: 2609 Hwy. 49 Harrisburg, North Carolina	DRILLING CONTR.: Probe Technology DRILL METHOD: Direct Push BORING DIAMETER: 2 inches
CLIENT: North Carolina Department of Transportation	SAMPLING METHOD/INTERVAL: GP (5-Foot)
LOGGED BY: Jeff Wiggins	REMARKS: BGS = Below Grade Surface

DESCRIPTIVE LOG

SAMPLE INTERVAL	SAMPLE REC. (IN.)	BLOWS PER 6"	PID/FID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF SOIL
0 - 5.0		NA	0.3		0.0	Brown-tan silty sand with gravel
					0.5	No Petroleum Odor
					1.0	
					1.5	Residual
					2.0	
					2.5	
					3.0	
					3.5	
					4.0	
					4.5	Brown-tan silty fine sand
5.0 - 10.0		NA	0.3		5.0	No Petroleum Odor
					5.5	Sampled at 5 to 10 ft interval
					6.0	
					6.5	
					7.0	
					7.5	
					8.0	
					8.5	
					9.0	Brown-tan silty fine sand
					9.5	No Petroleum Odor
					10.0	
					10.5	BORING TERMINATED AT 10 FEET BGS
					11.0	
					11.5	
					12.0	
					15.5	
					13.0	
					13.5	
					14.0	
					14.5	
					15.0	
					15.5	
					16.0	

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SAMPLING METHODS
SS - SPLIT SPOON
ST - SHELBY TUBE
GP - GEOPROBE

* - Sample collected for analysis
ND = <1 ppm

Terracon

SOIL BORING LOG

PROJECT NAME: K&C Auto Salvage	SOIL BORING I.D.: 3B-6
PROJECT NO.: 71127731	DATE(S) DRILLED: July 6, 20121
PROJECT LOCATION: 2609 Hwy. 49 Harrisburg, North Carolina	DRILLING CONTR.: Probe Technology DRILL METHOD: Direct Push BORING DIAMETER: 2 inches
CLIENT: North Carolina Department of Transportation	SAMPLING METHOD/INTERVAL: GP (5-Foot)
LOGGED BY: Jeff Wiggins	REMARKS: BGS = Below Grade Surface

DESCRIPTIVE LOG

SAMPLE INTERVAL	SAMPLE REC. (IN.)	BLOWS PER 6"	PID/FID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF SOIL
0 - 5.0		NA	0.1		0.0	Brown-tan silty sand with gravel
					0.5	No Petroleum Odor
					1.0	
					1.5	Residual
					2.0	
					2.5	
					3.0	
					3.5	
					4.0	
					4.5	Brown-tan silty fine sand
5.0 - 10.0		NA	0.1		5.0	No Petroleum Odor
					5.5	Sampled at 5 to 10 ft interval
					6.0	
					6.5	
					7.0	
					7.5	
					8.0	
					8.5	
					9.0	Brown-tan silty fine sand
					9.5	No Petroleum Odor
					10.0	
					10.5	BORING TERMINATED AT 10 FEET BGS
					11.0	
					11.5	
					12.0	
					15.5	
					13.0	
					13.5	
					14.0	
					14.5	
					15.0	
					15.5	
					16.0	

DRILLING METHODS
AR - AIR ROTARY
CFA - CONTINUOUS FLIGHT AUGER
DC - DRIVEN CASING
HA - HAND AUGER
HSA - HOLLOW STEM AUGER
MD - MUD DRILLING
RC - ROCK CORING
WR - WATER ROTARY

SAMPLING METHODS
SS - SPLIT SPOON
ST - SHELBY TUBE
GP - GEOPROBE

* - Sample collected for analysis
ND = <1 ppm

Terracon

SOIL BORING LOG

PROJECT NAME: K&C Auto Salvage	SOIL BORING I.D.: 3B-7
PROJECT NO.: 71127731	DATE(S) DRILLED: July 6, 20121
PROJECT LOCATION: 2609 Hwy. 49 Harrisburg, North Carolina	DRILLING CONTR.: Probe Technology DRILL METHOD: Direct Push BORING DIAMETER: 2 inches
CLIENT: North Carolina Department of Transportation	SAMPLING METHOD/INTERVAL: GP (5-Foot)
LOGGED BY: Jeff Wiggins	REMARKS: BGS = Below Grade Surface

DESCRIPTIVE LOG

SAMPLE INTERVAL	SAMPLE REC. (IN.)	BLOWS PER 6"	PID/FID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF SOIL
0 - 5.0		NA	60.3		0.0	Brown-tan silty sand with gravel
					0.5	Petroleum Odor
					1.0	Sampled at 0 to 5 ft interval
					1.5	Residual
					2.0	
					2.5	
					3.0	
					3.5	
					4.0	
					4.5	Brown-tan silty fine sand
5.0 - 10.0		NA	7.1		5.0	Petroleum Odor
					5.5	
					6.0	
					6.5	
					7.0	
					7.5	
					8.0	
					8.5	
					9.0	Brown-tan silty fine sand
					9.5	Slight Petroleum Odor
					10.0	
					10.5	BORING TERMINATED AT 10 FEET BGS
					11.0	
					11.5	
					12.0	
					15.5	
					13.0	
					13.5	
					14.0	
					14.5	
					15.0	
					15.5	
					16.0	

DRILLING METHODS
AR - AIR ROTARY
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DC - DRIVEN CASING
HA - HAND AUGER
HSA - HOLLOW STEM AUGER
MD - MUD DRILLING
RC - ROCK CORING
WR - WATER ROTARY

SAMPLING METHODS
SS - SPLIT SPOON
ST - SHELBY TUBE
GP - GEOPROBE

* - Sample collected for analysis
ND = <1 ppm

Terracon

SOIL BORING LOG

PROJECT NAME: K&C Auto Salvage	SOIL BORING I.D.: 3B-8
PROJECT NO.: 71127731	DATE(S) DRILLED: July 6, 20121
PROJECT LOCATION: 2609 Hwy. 49 Harrisburg, North Carolina	DRILLING CONTR.: Probe Technology DRILL METHOD: Direct Push BORING DIAMETER: 2 inches
CLIENT: North Carolina Department of Transportation	SAMPLING METHOD/INTERVAL: GP (5-Foot)
LOGGED BY: Jeff Wiggins	REMARKS: BGS = Below Grade Surface

DESCRIPTIVE LOG

SAMPLE INTERVAL	SAMPLE REC. (IN.)	BLOWS PER 6"	PID/FID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF SOIL
0 - 5.0		NA	0.2		0.0	Brown-tan silty sand with gravel
					0.5	No Petroleum Odor
					1.0	
					1.5	Residual
					2.0	
					2.5	
					3.0	
					3.5	
					4.0	
					4.5	Brown-tan silty fine sand
5.0 - 10.0		NA	0.2		5.0	No Petroleum Odor
					5.5	Sampled at 5 to 10 ft interval
					6.0	
					6.5	
					7.0	
					7.5	
					8.0	
					8.5	
					9.0	Brown-tan silty fine sand
					9.5	No Petroleum Odor
					10.0	
					10.5	BORING TERMINATED AT 10 FEET BGS
					11.0	
					11.5	
					12.0	
					15.5	
					13.0	
					13.5	
					14.0	
					14.5	
					15.0	
					15.5	
					16.0	

DRILLING METHODS
AR - AIR ROTARY
CFA - CONTINUOUS FLIGHT AUGER
DC - DRIVEN CASING
HA - HAND AUGER
HSA - HOLLOW STEM AUGER
MD - MUD DRILLING
RC - ROCK CORING
WR - WATER ROTARY

SAMPLING METHODS
SS - SPLIT SPOON
ST - SHELBY TUBE
GP - GEOPROBE

* - Sample collected for analysis
ND = <1 ppm

Terracon

APPENDIX B

Photo Log

Photo 1 View of K&C Auto Salvage yard at (Parcel 3B), looking west.

APPENDIX C

Laboratory Analytical Reports and Chain of Custody

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
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(336)623-8921

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(828)254-7176

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

July 13, 2012

Chemical Testing Engineer
NCDOT
Materials & Tests Unit
1801 Blue Ridge Road
Raleigh, NC 27607

RE: Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Dear Chemical Engineer:
Enclosed are the analytical results for sample(s) received by the laboratory on July 06, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

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

Sincerely,

Kevin Herring

kevin.herring@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Drinking Water Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460144

Asheville Certification IDs
2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356
Virgina/VELAP Certification #: 460147

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SAMPLE ANALYTE COUNT

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92123374001	**3 B-1**	EPA 6010	JMW	2	PASI-A
		EPA 8270	PPM	21	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92123374002	**3 B-2**	EPA 6010	JMW	2	PASI-A
		EPA 8270	PPM	21	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92123374003	**3 B-3**	EPA 6010	JMW	2	PASI-A
		EPA 8270	PPM	21	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92123374004	**3 B-4**	EPA 6010	JMW	2	PASI-A
		EPA 8270	PPM	21	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92123374005	**3 B-5**	EPA 6010	JMW	2	PASI-A
		EPA 8270	PPM	21	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92123374006	**3 B-6**	EPA 6010	JMW	2	PASI-A
		EPA 8270	PPM	21	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92123374007	**3 B-7**	EPA 6010	JMW	2	PASI-A
		EPA 8270	PPM	21	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92123374008	**3 B-8**	EPA 6010	JMW	2	PASI-A
		EPA 8270	PPM	21	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92123374009	**1 B-1**	EPA 6010	JMW	10	PASI-A
		EPA 7471	SHB	1	PASI-A
		EPA 8270	PPM	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C

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SAMPLE ANALYTE COUNT

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92123374010	**1 B-2**	EPA 6010	JMW	10	PASI-A
		EPA 7471	SHB	1	PASI-A
		EPA 8270	PPM	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92123374011	**1 B-3**	EPA 6010	JMW	10	PASI-A
		EPA 7471	SHB	1	PASI-A
		EPA 8270	PPM	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92123374012	**1 B-4**	EPA 6010	JMW	10	PASI-A
		EPA 7471	SHB	1	PASI-A
		EPA 8270	PPM	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92123374013	**1 B-5**	EPA 6010	JMW	10	PASI-A
		EPA 7471	SHB	1	PASI-A
		EPA 8270	PPM	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92123374014	**1 B-6**	EPA 6010	JMW	10	PASI-A
		EPA 7471	SHB	1	PASI-A
		EPA 8270	PPM	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 3 B-1 **Lab ID: 92123374001** Collected: 07/06/12 08:40 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Chromium	**28.8**	mg/kg	0.44	1	07/11/12 07:25	07/11/12 18:25	7440-47-3	
Lead	**0.74**	mg/kg	0.44	1	07/11/12 07:25	07/11/12 18:25	7439-92-1	
8270 MSSV PAH Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	419	1	07/09/12 09:12	07/12/12 18:38	83-32-9	
Acenaphthylene	ND	ug/kg	419	1	07/09/12 09:12	07/12/12 18:38	208-96-8	
Anthracene	ND	ug/kg	419	1	07/09/12 09:12	07/12/12 18:38	120-12-7	
Benzo(a)anthracene	ND	ug/kg	419	1	07/09/12 09:12	07/12/12 18:38	56-55-3	
Benzo(a)pyrene	ND	ug/kg	419	1	07/09/12 09:12	07/12/12 18:38	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	419	1	07/09/12 09:12	07/12/12 18:38	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	419	1	07/09/12 09:12	07/12/12 18:38	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	419	1	07/09/12 09:12	07/12/12 18:38	207-08-9	
Chrysene	ND	ug/kg	419	1	07/09/12 09:12	07/12/12 18:38	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	419	1	07/09/12 09:12	07/12/12 18:38	53-70-3	
Fluoranthene	ND	ug/kg	419	1	07/09/12 09:12	07/12/12 18:38	206-44-0	
Fluorene	ND	ug/kg	419	1	07/09/12 09:12	07/12/12 18:38	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	419	1	07/09/12 09:12	07/12/12 18:38	193-39-5	
1-Methylnaphthalene	ND	ug/kg	419	1	07/09/12 09:12	07/12/12 18:38	90-12-0	
2-Methylnaphthalene	ND	ug/kg	419	1	07/09/12 09:12	07/12/12 18:38	91-57-6	
Naphthalene	ND	ug/kg	419	1	07/09/12 09:12	07/12/12 18:38	91-20-3	
Phenanthrene	ND	ug/kg	419	1	07/09/12 09:12	07/12/12 18:38	85-01-8	
Pyrene	ND	ug/kg	419	1	07/09/12 09:12	07/12/12 18:38	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	52	%	23-110	1	07/09/12 09:12	07/12/12 18:38	4165-60-0	
2-Fluorobiphenyl (S)	53	%	30-110	1	07/09/12 09:12	07/12/12 18:38	321-60-8	
Terphenyl-d14 (S)	64	%	28-110	1	07/09/12 09:12	07/12/12 18:38	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	107	1		07/10/12 12:34	67-64-1	
Benzene	ND	ug/kg	5.3	1		07/10/12 12:34	71-43-2	
Bromobenzene	ND	ug/kg	5.3	1		07/10/12 12:34	108-86-1	
Bromochloromethane	ND	ug/kg	5.3	1		07/10/12 12:34	74-97-5	
Bromodichloromethane	ND	ug/kg	5.3	1		07/10/12 12:34	75-27-4	
Bromoform	ND	ug/kg	5.3	1		07/10/12 12:34	75-25-2	
Bromomethane	ND	ug/kg	10.7	1		07/10/12 12:34	74-83-9	
2-Butanone (MEK)	ND	ug/kg	107	1		07/10/12 12:34	78-93-3	
n-Butylbenzene	ND	ug/kg	5.3	1		07/10/12 12:34	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.3	1		07/10/12 12:34	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.3	1		07/10/12 12:34	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.3	1		07/10/12 12:34	56-23-5	
Chlorobenzene	ND	ug/kg	5.3	1		07/10/12 12:34	108-90-7	
Chloroethane	ND	ug/kg	10.7	1		07/10/12 12:34	75-00-3	
Chloroform	ND	ug/kg	5.3	1		07/10/12 12:34	67-66-3	
Chloromethane	ND	ug/kg	10.7	1		07/10/12 12:34	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.3	1		07/10/12 12:34	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.3	1		07/10/12 12:34	106-43-4	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 3 B-1 **Lab ID: 92123374001** Collected: 07/06/12 08:40 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.3	1		07/10/12 12:34	96-12-8	
Dibromochloromethane	ND	ug/kg	5.3	1		07/10/12 12:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.3	1		07/10/12 12:34	106-93-4	
Dibromomethane	ND	ug/kg	5.3	1		07/10/12 12:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.3	1		07/10/12 12:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.3	1		07/10/12 12:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.3	1		07/10/12 12:34	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.7	1		07/10/12 12:34	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.3	1		07/10/12 12:34	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.3	1		07/10/12 12:34	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.3	1		07/10/12 12:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.3	1		07/10/12 12:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.3	1		07/10/12 12:34	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.3	1		07/10/12 12:34	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.3	1		07/10/12 12:34	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.3	1		07/10/12 12:34	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.3	1		07/10/12 12:34	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.3	1		07/10/12 12:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.3	1		07/10/12 12:34	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.3	1		07/10/12 12:34	108-20-3	
Ethylbenzene	ND	ug/kg	5.3	1		07/10/12 12:34	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.3	1		07/10/12 12:34	87-68-3	
2-Hexanone	ND	ug/kg	53.4	1		07/10/12 12:34	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.3	1		07/10/12 12:34	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.3	1		07/10/12 12:34	99-87-6	
Methylene Chloride	ND	ug/kg	21.4	1		07/10/12 12:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	53.4	1		07/10/12 12:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.3	1		07/10/12 12:34	1634-04-4	
Naphthalene	ND	ug/kg	5.3	1		07/10/12 12:34	91-20-3	
n-Propylbenzene	ND	ug/kg	5.3	1		07/10/12 12:34	103-65-1	
Styrene	ND	ug/kg	5.3	1		07/10/12 12:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.3	1		07/10/12 12:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.3	1		07/10/12 12:34	79-34-5	
Tetrachloroethene	ND	ug/kg	5.3	1		07/10/12 12:34	127-18-4	
Toluene	ND	ug/kg	5.3	1		07/10/12 12:34	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.3	1		07/10/12 12:34	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.3	1		07/10/12 12:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.3	1		07/10/12 12:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.3	1		07/10/12 12:34	79-00-5	
Trichloroethene	ND	ug/kg	5.3	1		07/10/12 12:34	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.3	1		07/10/12 12:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.3	1		07/10/12 12:34	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.3	1		07/10/12 12:34	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.3	1		07/10/12 12:34	108-67-8	
Vinyl acetate	ND	ug/kg	53.4	1		07/10/12 12:34	108-05-4	
Vinyl chloride	ND	ug/kg	10.7	1		07/10/12 12:34	75-01-4	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 3 B-1 **Lab ID: 92123374001** Collected: 07/06/12 08:40 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/kg	10.7	1		07/10/12 12:34	1330-20-7	
m&p-Xylene	ND	ug/kg	10.7	1		07/10/12 12:34	179601-23-1	
o-Xylene	ND	ug/kg	5.3	1		07/10/12 12:34	95-47-6	
Surrogates								
Dibromofluoromethane (S)	113	%	70-130	1		07/10/12 12:34	1868-53-7	
Toluene-d8 (S)	102	%	70-130	1		07/10/12 12:34	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130	1		07/10/12 12:34	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-132	1		07/10/12 12:34	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**21.2**	%	0.10	1		07/07/12 08:01		

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 3 B-2 **Lab ID: 92123374002** Collected: 07/06/12 09:30 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Chromium	**25.2**	mg/kg	0.37	1	07/11/12 07:25	07/11/12 18:28	7440-47-3	
Lead	**0.97**	mg/kg	0.37	1	07/11/12 07:25	07/11/12 18:28	7439-92-1	
8270 MSSV PAH Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	406	1	07/09/12 09:12	07/11/12 23:14	83-32-9	
Acenaphthylene	ND	ug/kg	406	1	07/09/12 09:12	07/11/12 23:14	208-96-8	
Anthracene	ND	ug/kg	406	1	07/09/12 09:12	07/11/12 23:14	120-12-7	
Benzo(a)anthracene	ND	ug/kg	406	1	07/09/12 09:12	07/11/12 23:14	56-55-3	
Benzo(a)pyrene	ND	ug/kg	406	1	07/09/12 09:12	07/11/12 23:14	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	406	1	07/09/12 09:12	07/11/12 23:14	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	406	1	07/09/12 09:12	07/11/12 23:14	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	406	1	07/09/12 09:12	07/11/12 23:14	207-08-9	
Chrysene	ND	ug/kg	406	1	07/09/12 09:12	07/11/12 23:14	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	406	1	07/09/12 09:12	07/11/12 23:14	53-70-3	
Fluoranthene	ND	ug/kg	406	1	07/09/12 09:12	07/11/12 23:14	206-44-0	
Fluorene	ND	ug/kg	406	1	07/09/12 09:12	07/11/12 23:14	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	406	1	07/09/12 09:12	07/11/12 23:14	193-39-5	
1-Methylnaphthalene	ND	ug/kg	406	1	07/09/12 09:12	07/11/12 23:14	90-12-0	
2-Methylnaphthalene	ND	ug/kg	406	1	07/09/12 09:12	07/11/12 23:14	91-57-6	
Naphthalene	ND	ug/kg	406	1	07/09/12 09:12	07/11/12 23:14	91-20-3	
Phenanthrene	ND	ug/kg	406	1	07/09/12 09:12	07/11/12 23:14	85-01-8	
Pyrene	ND	ug/kg	406	1	07/09/12 09:12	07/11/12 23:14	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	55	%	23-110	1	07/09/12 09:12	07/11/12 23:14	4165-60-0	
2-Fluorobiphenyl (S)	54	%	30-110	1	07/09/12 09:12	07/11/12 23:14	321-60-8	
Terphenyl-d14 (S)	78	%	28-110	1	07/09/12 09:12	07/11/12 23:14	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	97.9	1		07/10/12 12:52	67-64-1	
Benzene	ND	ug/kg	4.9	1		07/10/12 12:52	71-43-2	
Bromobenzene	ND	ug/kg	4.9	1		07/10/12 12:52	108-86-1	
Bromochloromethane	ND	ug/kg	4.9	1		07/10/12 12:52	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1		07/10/12 12:52	75-27-4	
Bromoform	ND	ug/kg	4.9	1		07/10/12 12:52	75-25-2	
Bromomethane	ND	ug/kg	9.8	1		07/10/12 12:52	74-83-9	
2-Butanone (MEK)	ND	ug/kg	97.9	1		07/10/12 12:52	78-93-3	
n-Butylbenzene	ND	ug/kg	4.9	1		07/10/12 12:52	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.9	1		07/10/12 12:52	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.9	1		07/10/12 12:52	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.9	1		07/10/12 12:52	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1		07/10/12 12:52	108-90-7	
Chloroethane	ND	ug/kg	9.8	1		07/10/12 12:52	75-00-3	
Chloroform	ND	ug/kg	4.9	1		07/10/12 12:52	67-66-3	
Chloromethane	ND	ug/kg	9.8	1		07/10/12 12:52	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.9	1		07/10/12 12:52	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.9	1		07/10/12 12:52	106-43-4	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 3 B-2 **Lab ID: 92123374002** Collected: 07/06/12 09:30 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.9	1		07/10/12 12:52	96-12-8	
Dibromochloromethane	ND	ug/kg	4.9	1		07/10/12 12:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1		07/10/12 12:52	106-93-4	
Dibromomethane	ND	ug/kg	4.9	1		07/10/12 12:52	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1		07/10/12 12:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	1		07/10/12 12:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1		07/10/12 12:52	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.8	1		07/10/12 12:52	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1		07/10/12 12:52	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	1		07/10/12 12:52	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1		07/10/12 12:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1		07/10/12 12:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1		07/10/12 12:52	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1		07/10/12 12:52	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.9	1		07/10/12 12:52	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.9	1		07/10/12 12:52	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.9	1		07/10/12 12:52	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1		07/10/12 12:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1		07/10/12 12:52	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.9	1		07/10/12 12:52	108-20-3	
Ethylbenzene	ND	ug/kg	4.9	1		07/10/12 12:52	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.9	1		07/10/12 12:52	87-68-3	
2-Hexanone	ND	ug/kg	48.9	1		07/10/12 12:52	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.9	1		07/10/12 12:52	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.9	1		07/10/12 12:52	99-87-6	
Methylene Chloride	ND	ug/kg	19.6	1		07/10/12 12:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	48.9	1		07/10/12 12:52	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1		07/10/12 12:52	1634-04-4	
Naphthalene	ND	ug/kg	4.9	1		07/10/12 12:52	91-20-3	
n-Propylbenzene	ND	ug/kg	4.9	1		07/10/12 12:52	103-65-1	
Styrene	ND	ug/kg	4.9	1		07/10/12 12:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.9	1		07/10/12 12:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1		07/10/12 12:52	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1		07/10/12 12:52	127-18-4	
Toluene	ND	ug/kg	4.9	1		07/10/12 12:52	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	1		07/10/12 12:52	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1		07/10/12 12:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1		07/10/12 12:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	1		07/10/12 12:52	79-00-5	
Trichloroethene	ND	ug/kg	4.9	1		07/10/12 12:52	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.9	1		07/10/12 12:52	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.9	1		07/10/12 12:52	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.9	1		07/10/12 12:52	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.9	1		07/10/12 12:52	108-67-8	
Vinyl acetate	ND	ug/kg	48.9	1		07/10/12 12:52	108-05-4	
Vinyl chloride	ND	ug/kg	9.8	1		07/10/12 12:52	75-01-4	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 3 B-2 **Lab ID: 92123374002** Collected: 07/06/12 09:30 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/kg	9.8	1		07/10/12 12:52	1330-20-7	
m&p-Xylene	ND	ug/kg	9.8	1		07/10/12 12:52	179601-23-1	
o-Xylene	ND	ug/kg	4.9	1		07/10/12 12:52	95-47-6	
Surrogates								
Dibromofluoromethane (S)	116	%	70-130	1		07/10/12 12:52	1868-53-7	
Toluene-d8 (S)	102	%	70-130	1		07/10/12 12:52	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130	1		07/10/12 12:52	460-00-4	
1,2-Dichloroethane-d4 (S)	117	%	70-132	1		07/10/12 12:52	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**18.7**	%	0.10	1		07/07/12 08:01		

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 3 B-3 **Lab ID: 92123374003** Collected: 07/06/12 09:05 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Chromium	**97.2**	mg/kg	0.44	1	07/11/12 07:25	07/11/12 18:31	7440-47-3	
Lead	**11.2**	mg/kg	0.44	1	07/11/12 07:25	07/11/12 18:31	7439-92-1	
8270 MSSV PAH Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	473	1	07/09/12 09:12	07/11/12 23:42	83-32-9	
Acenaphthylene	ND	ug/kg	473	1	07/09/12 09:12	07/11/12 23:42	208-96-8	
Anthracene	ND	ug/kg	473	1	07/09/12 09:12	07/11/12 23:42	120-12-7	
Benzo(a)anthracene	ND	ug/kg	473	1	07/09/12 09:12	07/11/12 23:42	56-55-3	
Benzo(a)pyrene	ND	ug/kg	473	1	07/09/12 09:12	07/11/12 23:42	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	473	1	07/09/12 09:12	07/11/12 23:42	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	473	1	07/09/12 09:12	07/11/12 23:42	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	473	1	07/09/12 09:12	07/11/12 23:42	207-08-9	
Chrysene	ND	ug/kg	473	1	07/09/12 09:12	07/11/12 23:42	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	473	1	07/09/12 09:12	07/11/12 23:42	53-70-3	
Fluoranthene	ND	ug/kg	473	1	07/09/12 09:12	07/11/12 23:42	206-44-0	
Fluorene	ND	ug/kg	473	1	07/09/12 09:12	07/11/12 23:42	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	473	1	07/09/12 09:12	07/11/12 23:42	193-39-5	
1-Methylnaphthalene	ND	ug/kg	473	1	07/09/12 09:12	07/11/12 23:42	90-12-0	
2-Methylnaphthalene	ND	ug/kg	473	1	07/09/12 09:12	07/11/12 23:42	91-57-6	
Naphthalene	ND	ug/kg	473	1	07/09/12 09:12	07/11/12 23:42	91-20-3	
Phenanthrene	ND	ug/kg	473	1	07/09/12 09:12	07/11/12 23:42	85-01-8	
Pyrene	ND	ug/kg	473	1	07/09/12 09:12	07/11/12 23:42	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	58	%	23-110	1	07/09/12 09:12	07/11/12 23:42	4165-60-0	
2-Fluorobiphenyl (S)	54	%	30-110	1	07/09/12 09:12	07/11/12 23:42	321-60-8	
Terphenyl-d14 (S)	69	%	28-110	1	07/09/12 09:12	07/11/12 23:42	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	121	1		07/10/12 13:11	67-64-1	
Benzene	ND	ug/kg	6.0	1		07/10/12 13:11	71-43-2	
Bromobenzene	ND	ug/kg	6.0	1		07/10/12 13:11	108-86-1	
Bromochloromethane	ND	ug/kg	6.0	1		07/10/12 13:11	74-97-5	
Bromodichloromethane	ND	ug/kg	6.0	1		07/10/12 13:11	75-27-4	
Bromoform	ND	ug/kg	6.0	1		07/10/12 13:11	75-25-2	
Bromomethane	ND	ug/kg	12.1	1		07/10/12 13:11	74-83-9	
2-Butanone (MEK)	ND	ug/kg	121	1		07/10/12 13:11	78-93-3	
n-Butylbenzene	ND	ug/kg	6.0	1		07/10/12 13:11	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.0	1		07/10/12 13:11	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.0	1		07/10/12 13:11	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.0	1		07/10/12 13:11	56-23-5	
Chlorobenzene	ND	ug/kg	6.0	1		07/10/12 13:11	108-90-7	
Chloroethane	ND	ug/kg	12.1	1		07/10/12 13:11	75-00-3	
Chloroform	ND	ug/kg	6.0	1		07/10/12 13:11	67-66-3	
Chloromethane	ND	ug/kg	12.1	1		07/10/12 13:11	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.0	1		07/10/12 13:11	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.0	1		07/10/12 13:11	106-43-4	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 3 B-3 **Lab ID: 92123374003** Collected: 07/06/12 09:05 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.0	1		07/10/12 13:11	96-12-8	
Dibromochloromethane	ND	ug/kg	6.0	1		07/10/12 13:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.0	1		07/10/12 13:11	106-93-4	
Dibromomethane	ND	ug/kg	6.0	1		07/10/12 13:11	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.0	1		07/10/12 13:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.0	1		07/10/12 13:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.0	1		07/10/12 13:11	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.1	1		07/10/12 13:11	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.0	1		07/10/12 13:11	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.0	1		07/10/12 13:11	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.0	1		07/10/12 13:11	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.0	1		07/10/12 13:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.0	1		07/10/12 13:11	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.0	1		07/10/12 13:11	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.0	1		07/10/12 13:11	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.0	1		07/10/12 13:11	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.0	1		07/10/12 13:11	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.0	1		07/10/12 13:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.0	1		07/10/12 13:11	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.0	1		07/10/12 13:11	108-20-3	
Ethylbenzene	ND	ug/kg	6.0	1		07/10/12 13:11	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.0	1		07/10/12 13:11	87-68-3	
2-Hexanone	ND	ug/kg	60.4	1		07/10/12 13:11	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.0	1		07/10/12 13:11	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.0	1		07/10/12 13:11	99-87-6	
Methylene Chloride	ND	ug/kg	24.1	1		07/10/12 13:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	60.4	1		07/10/12 13:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.0	1		07/10/12 13:11	1634-04-4	
Naphthalene	ND	ug/kg	6.0	1		07/10/12 13:11	91-20-3	
n-Propylbenzene	ND	ug/kg	6.0	1		07/10/12 13:11	103-65-1	
Styrene	ND	ug/kg	6.0	1		07/10/12 13:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.0	1		07/10/12 13:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.0	1		07/10/12 13:11	79-34-5	
Tetrachloroethene	ND	ug/kg	6.0	1		07/10/12 13:11	127-18-4	
Toluene	ND	ug/kg	6.0	1		07/10/12 13:11	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.0	1		07/10/12 13:11	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.0	1		07/10/12 13:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.0	1		07/10/12 13:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.0	1		07/10/12 13:11	79-00-5	
Trichloroethene	ND	ug/kg	6.0	1		07/10/12 13:11	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.0	1		07/10/12 13:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.0	1		07/10/12 13:11	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.0	1		07/10/12 13:11	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.0	1		07/10/12 13:11	108-67-8	
Vinyl acetate	ND	ug/kg	60.4	1		07/10/12 13:11	108-05-4	
Vinyl chloride	ND	ug/kg	12.1	1		07/10/12 13:11	75-01-4	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 3 B-3 **Lab ID: 92123374003** Collected: 07/06/12 09:05 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/kg	12.1	1		07/10/12 13:11	1330-20-7	
m&p-Xylene	ND	ug/kg	12.1	1		07/10/12 13:11	179601-23-1	
o-Xylene	ND	ug/kg	6.0	1		07/10/12 13:11	95-47-6	
Surrogates								
Dibromofluoromethane (S)	115	%	70-130	1		07/10/12 13:11	1868-53-7	
Toluene-d8 (S)	102	%	70-130	1		07/10/12 13:11	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130	1		07/10/12 13:11	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	70-132	1		07/10/12 13:11	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**30.2**	%	0.10	1		07/07/12 08:01		

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 3 B-4 **Lab ID: 92123374004** Collected: 07/06/12 11:10 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Chromium	**142**	mg/kg	0.51	1	07/11/12 07:25	07/11/12 18:34	7440-47-3	
Lead	**6.8**	mg/kg	0.51	1	07/11/12 07:25	07/11/12 18:34	7439-92-1	
8270 MSSV PAH Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	431	1	07/09/12 09:12	07/12/12 00:09	83-32-9	
Acenaphthylene	ND	ug/kg	431	1	07/09/12 09:12	07/12/12 00:09	208-96-8	
Anthracene	ND	ug/kg	431	1	07/09/12 09:12	07/12/12 00:09	120-12-7	
Benzo(a)anthracene	ND	ug/kg	431	1	07/09/12 09:12	07/12/12 00:09	56-55-3	
Benzo(a)pyrene	ND	ug/kg	431	1	07/09/12 09:12	07/12/12 00:09	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	431	1	07/09/12 09:12	07/12/12 00:09	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	431	1	07/09/12 09:12	07/12/12 00:09	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	431	1	07/09/12 09:12	07/12/12 00:09	207-08-9	
Chrysene	ND	ug/kg	431	1	07/09/12 09:12	07/12/12 00:09	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	431	1	07/09/12 09:12	07/12/12 00:09	53-70-3	
Fluoranthene	ND	ug/kg	431	1	07/09/12 09:12	07/12/12 00:09	206-44-0	
Fluorene	ND	ug/kg	431	1	07/09/12 09:12	07/12/12 00:09	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	431	1	07/09/12 09:12	07/12/12 00:09	193-39-5	
1-Methylnaphthalene	ND	ug/kg	431	1	07/09/12 09:12	07/12/12 00:09	90-12-0	
2-Methylnaphthalene	ND	ug/kg	431	1	07/09/12 09:12	07/12/12 00:09	91-57-6	
Naphthalene	ND	ug/kg	431	1	07/09/12 09:12	07/12/12 00:09	91-20-3	
Phenanthrene	ND	ug/kg	431	1	07/09/12 09:12	07/12/12 00:09	85-01-8	
Pyrene	ND	ug/kg	431	1	07/09/12 09:12	07/12/12 00:09	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	50	%	23-110	1	07/09/12 09:12	07/12/12 00:09	4165-60-0	
2-Fluorobiphenyl (S)	48	%	30-110	1	07/09/12 09:12	07/12/12 00:09	321-60-8	
Terphenyl-d14 (S)	77	%	28-110	1	07/09/12 09:12	07/12/12 00:09	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	**115**	ug/kg	105	1		07/10/12 13:29	67-64-1	A+
Benzene	ND	ug/kg	5.3	1		07/10/12 13:29	71-43-2	
Bromobenzene	ND	ug/kg	5.3	1		07/10/12 13:29	108-86-1	
Bromochloromethane	ND	ug/kg	5.3	1		07/10/12 13:29	74-97-5	
Bromodichloromethane	ND	ug/kg	5.3	1		07/10/12 13:29	75-27-4	
Bromoform	ND	ug/kg	5.3	1		07/10/12 13:29	75-25-2	
Bromomethane	ND	ug/kg	10.5	1		07/10/12 13:29	74-83-9	
2-Butanone (MEK)	ND	ug/kg	105	1		07/10/12 13:29	78-93-3	
n-Butylbenzene	ND	ug/kg	5.3	1		07/10/12 13:29	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.3	1		07/10/12 13:29	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.3	1		07/10/12 13:29	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.3	1		07/10/12 13:29	56-23-5	
Chlorobenzene	ND	ug/kg	5.3	1		07/10/12 13:29	108-90-7	
Chloroethane	ND	ug/kg	10.5	1		07/10/12 13:29	75-00-3	
Chloroform	ND	ug/kg	5.3	1		07/10/12 13:29	67-66-3	
Chloromethane	ND	ug/kg	10.5	1		07/10/12 13:29	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.3	1		07/10/12 13:29	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.3	1		07/10/12 13:29	106-43-4	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 3 B-4 **Lab ID: 92123374004** Collected: 07/06/12 11:10 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.3	1		07/10/12 13:29	96-12-8	
Dibromochloromethane	ND	ug/kg	5.3	1		07/10/12 13:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.3	1		07/10/12 13:29	106-93-4	
Dibromomethane	ND	ug/kg	5.3	1		07/10/12 13:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.3	1		07/10/12 13:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.3	1		07/10/12 13:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.3	1		07/10/12 13:29	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.5	1		07/10/12 13:29	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.3	1		07/10/12 13:29	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.3	1		07/10/12 13:29	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.3	1		07/10/12 13:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.3	1		07/10/12 13:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.3	1		07/10/12 13:29	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.3	1		07/10/12 13:29	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.3	1		07/10/12 13:29	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.3	1		07/10/12 13:29	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.3	1		07/10/12 13:29	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.3	1		07/10/12 13:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.3	1		07/10/12 13:29	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.3	1		07/10/12 13:29	108-20-3	
Ethylbenzene	ND	ug/kg	5.3	1		07/10/12 13:29	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.3	1		07/10/12 13:29	87-68-3	
2-Hexanone	ND	ug/kg	52.6	1		07/10/12 13:29	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.3	1		07/10/12 13:29	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.3	1		07/10/12 13:29	99-87-6	
Methylene Chloride	ND	ug/kg	21.1	1		07/10/12 13:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	52.6	1		07/10/12 13:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.3	1		07/10/12 13:29	1634-04-4	
Naphthalene	ND	ug/kg	5.3	1		07/10/12 13:29	91-20-3	
n-Propylbenzene	ND	ug/kg	5.3	1		07/10/12 13:29	103-65-1	
Styrene	ND	ug/kg	5.3	1		07/10/12 13:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.3	1		07/10/12 13:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.3	1		07/10/12 13:29	79-34-5	
Tetrachloroethene	ND	ug/kg	5.3	1		07/10/12 13:29	127-18-4	
Toluene	ND	ug/kg	5.3	1		07/10/12 13:29	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.3	1		07/10/12 13:29	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.3	1		07/10/12 13:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.3	1		07/10/12 13:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.3	1		07/10/12 13:29	79-00-5	
Trichloroethene	ND	ug/kg	5.3	1		07/10/12 13:29	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.3	1		07/10/12 13:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.3	1		07/10/12 13:29	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.3	1		07/10/12 13:29	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.3	1		07/10/12 13:29	108-67-8	
Vinyl acetate	ND	ug/kg	52.6	1		07/10/12 13:29	108-05-4	
Vinyl chloride	ND	ug/kg	10.5	1		07/10/12 13:29	75-01-4	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 3 B-4 **Lab ID: 92123374004** Collected: 07/06/12 11:10 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/kg	10.5	1		07/10/12 13:29	1330-20-7	
m&p-Xylene	ND	ug/kg	10.5	1		07/10/12 13:29	179601-23-1	
o-Xylene	ND	ug/kg	5.3	1		07/10/12 13:29	95-47-6	
Surrogates								
Dibromofluoromethane (S)	109	%	70-130	1		07/10/12 13:29	1868-53-7	
Toluene-d8 (S)	102	%	70-130	1		07/10/12 13:29	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130	1		07/10/12 13:29	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-132	1		07/10/12 13:29	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**23.5**	%	0.10	1		07/07/12 08:01		

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 3 B-5 **Lab ID: 92123374005** Collected: 07/06/12 09:45 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Chromium	**69.1**	mg/kg	0.44	1	07/11/12 07:25	07/11/12 18:37	7440-47-3	
Lead	**20.9**	mg/kg	0.44	1	07/11/12 07:25	07/11/12 18:37	7439-92-1	
8270 MSSV PAH Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	450	1	07/09/12 09:12	07/12/12 17:13	83-32-9	
Acenaphthylene	ND	ug/kg	450	1	07/09/12 09:12	07/12/12 17:13	208-96-8	
Anthracene	ND	ug/kg	450	1	07/09/12 09:12	07/12/12 17:13	120-12-7	
Benzo(a)anthracene	ND	ug/kg	450	1	07/09/12 09:12	07/12/12 17:13	56-55-3	
Benzo(a)pyrene	ND	ug/kg	450	1	07/09/12 09:12	07/12/12 17:13	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	450	1	07/09/12 09:12	07/12/12 17:13	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	450	1	07/09/12 09:12	07/12/12 17:13	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	450	1	07/09/12 09:12	07/12/12 17:13	207-08-9	
Chrysene	ND	ug/kg	450	1	07/09/12 09:12	07/12/12 17:13	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	450	1	07/09/12 09:12	07/12/12 17:13	53-70-3	
Fluoranthene	ND	ug/kg	450	1	07/09/12 09:12	07/12/12 17:13	206-44-0	
Fluorene	ND	ug/kg	450	1	07/09/12 09:12	07/12/12 17:13	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	450	1	07/09/12 09:12	07/12/12 17:13	193-39-5	
1-Methylnaphthalene	ND	ug/kg	450	1	07/09/12 09:12	07/12/12 17:13	90-12-0	
2-Methylnaphthalene	ND	ug/kg	450	1	07/09/12 09:12	07/12/12 17:13	91-57-6	
Naphthalene	ND	ug/kg	450	1	07/09/12 09:12	07/12/12 17:13	91-20-3	
Phenanthrene	ND	ug/kg	450	1	07/09/12 09:12	07/12/12 17:13	85-01-8	
Pyrene	ND	ug/kg	450	1	07/09/12 09:12	07/12/12 17:13	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	47	%	23-110	1	07/09/12 09:12	07/12/12 17:13	4165-60-0	
2-Fluorobiphenyl (S)	50	%	30-110	1	07/09/12 09:12	07/12/12 17:13	321-60-8	
Terphenyl-d14 (S)	68	%	28-110	1	07/09/12 09:12	07/12/12 17:13	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	**207**	ug/kg	106	1		07/10/12 13:48	67-64-1	A+
Benzene	ND	ug/kg	5.3	1		07/10/12 13:48	71-43-2	
Bromobenzene	ND	ug/kg	5.3	1		07/10/12 13:48	108-86-1	
Bromochloromethane	ND	ug/kg	5.3	1		07/10/12 13:48	74-97-5	
Bromodichloromethane	ND	ug/kg	5.3	1		07/10/12 13:48	75-27-4	
Bromoform	ND	ug/kg	5.3	1		07/10/12 13:48	75-25-2	
Bromomethane	ND	ug/kg	10.6	1		07/10/12 13:48	74-83-9	
2-Butanone (MEK)	ND	ug/kg	106	1		07/10/12 13:48	78-93-3	
n-Butylbenzene	ND	ug/kg	5.3	1		07/10/12 13:48	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.3	1		07/10/12 13:48	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.3	1		07/10/12 13:48	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.3	1		07/10/12 13:48	56-23-5	
Chlorobenzene	ND	ug/kg	5.3	1		07/10/12 13:48	108-90-7	
Chloroethane	ND	ug/kg	10.6	1		07/10/12 13:48	75-00-3	
Chloroform	ND	ug/kg	5.3	1		07/10/12 13:48	67-66-3	
Chloromethane	ND	ug/kg	10.6	1		07/10/12 13:48	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.3	1		07/10/12 13:48	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.3	1		07/10/12 13:48	106-43-4	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 3 B-5 **Lab ID: 92123374005** Collected: 07/06/12 09:45 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.3	1		07/10/12 13:48	96-12-8	
Dibromochloromethane	ND	ug/kg	5.3	1		07/10/12 13:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.3	1		07/10/12 13:48	106-93-4	
Dibromomethane	ND	ug/kg	5.3	1		07/10/12 13:48	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.3	1		07/10/12 13:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.3	1		07/10/12 13:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.3	1		07/10/12 13:48	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.6	1		07/10/12 13:48	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.3	1		07/10/12 13:48	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.3	1		07/10/12 13:48	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.3	1		07/10/12 13:48	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.3	1		07/10/12 13:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.3	1		07/10/12 13:48	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.3	1		07/10/12 13:48	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.3	1		07/10/12 13:48	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.3	1		07/10/12 13:48	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.3	1		07/10/12 13:48	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.3	1		07/10/12 13:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.3	1		07/10/12 13:48	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.3	1		07/10/12 13:48	108-20-3	
Ethylbenzene	ND	ug/kg	5.3	1		07/10/12 13:48	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.3	1		07/10/12 13:48	87-68-3	
2-Hexanone	ND	ug/kg	52.9	1		07/10/12 13:48	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.3	1		07/10/12 13:48	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.3	1		07/10/12 13:48	99-87-6	
Methylene Chloride	ND	ug/kg	21.2	1		07/10/12 13:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	52.9	1		07/10/12 13:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.3	1		07/10/12 13:48	1634-04-4	
Naphthalene	ND	ug/kg	5.3	1		07/10/12 13:48	91-20-3	
n-Propylbenzene	ND	ug/kg	5.3	1		07/10/12 13:48	103-65-1	
Styrene	ND	ug/kg	5.3	1		07/10/12 13:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.3	1		07/10/12 13:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.3	1		07/10/12 13:48	79-34-5	
Tetrachloroethene	ND	ug/kg	5.3	1		07/10/12 13:48	127-18-4	
Toluene	ND	ug/kg	5.3	1		07/10/12 13:48	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.3	1		07/10/12 13:48	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.3	1		07/10/12 13:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.3	1		07/10/12 13:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.3	1		07/10/12 13:48	79-00-5	
Trichloroethene	ND	ug/kg	5.3	1		07/10/12 13:48	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.3	1		07/10/12 13:48	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.3	1		07/10/12 13:48	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.3	1		07/10/12 13:48	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.3	1		07/10/12 13:48	108-67-8	
Vinyl acetate	ND	ug/kg	52.9	1		07/10/12 13:48	108-05-4	
Vinyl chloride	ND	ug/kg	10.6	1		07/10/12 13:48	75-01-4	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 3 B-5 **Lab ID: 92123374005** Collected: 07/06/12 09:45 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/kg	10.6	1		07/10/12 13:48	1330-20-7	
m&p-Xylene	ND	ug/kg	10.6	1		07/10/12 13:48	179601-23-1	
o-Xylene	ND	ug/kg	5.3	1		07/10/12 13:48	95-47-6	
Surrogates								
Dibromofluoromethane (S)	112	%	70-130	1		07/10/12 13:48	1868-53-7	
Toluene-d8 (S)	104	%	70-130	1		07/10/12 13:48	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130	1		07/10/12 13:48	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-132	1		07/10/12 13:48	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**26.7**	%	0.10	1		07/07/12 08:01		

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 3 B-6 **Lab ID: 92123374006** Collected: 07/06/12 10:20 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Chromium	**43.6**	mg/kg	0.56	1	07/11/12 07:25	07/11/12 18:40	7440-47-3	
Lead	**15.0**	mg/kg	0.56	1	07/11/12 07:25	07/11/12 18:40	7439-92-1	
8270 MSSV PAH Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	404	1	07/09/12 09:12	07/12/12 19:06	83-32-9	
Acenaphthylene	ND	ug/kg	404	1	07/09/12 09:12	07/12/12 19:06	208-96-8	
Anthracene	ND	ug/kg	404	1	07/09/12 09:12	07/12/12 19:06	120-12-7	
Benzo(a)anthracene	ND	ug/kg	404	1	07/09/12 09:12	07/12/12 19:06	56-55-3	
Benzo(a)pyrene	ND	ug/kg	404	1	07/09/12 09:12	07/12/12 19:06	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	404	1	07/09/12 09:12	07/12/12 19:06	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	404	1	07/09/12 09:12	07/12/12 19:06	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	404	1	07/09/12 09:12	07/12/12 19:06	207-08-9	
Chrysene	ND	ug/kg	404	1	07/09/12 09:12	07/12/12 19:06	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	404	1	07/09/12 09:12	07/12/12 19:06	53-70-3	
Fluoranthene	ND	ug/kg	404	1	07/09/12 09:12	07/12/12 19:06	206-44-0	
Fluorene	ND	ug/kg	404	1	07/09/12 09:12	07/12/12 19:06	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	404	1	07/09/12 09:12	07/12/12 19:06	193-39-5	
1-Methylnaphthalene	ND	ug/kg	404	1	07/09/12 09:12	07/12/12 19:06	90-12-0	
2-Methylnaphthalene	ND	ug/kg	404	1	07/09/12 09:12	07/12/12 19:06	91-57-6	
Naphthalene	ND	ug/kg	404	1	07/09/12 09:12	07/12/12 19:06	91-20-3	
Phenanthrene	ND	ug/kg	404	1	07/09/12 09:12	07/12/12 19:06	85-01-8	
Pyrene	ND	ug/kg	404	1	07/09/12 09:12	07/12/12 19:06	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	39	%	23-110	1	07/09/12 09:12	07/12/12 19:06	4165-60-0	
2-Fluorobiphenyl (S)	42	%	30-110	1	07/09/12 09:12	07/12/12 19:06	321-60-8	
Terphenyl-d14 (S)	66	%	28-110	1	07/09/12 09:12	07/12/12 19:06	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	103	1		07/10/12 14:06	67-64-1	
Benzene	ND	ug/kg	5.2	1		07/10/12 14:06	71-43-2	
Bromobenzene	ND	ug/kg	5.2	1		07/10/12 14:06	108-86-1	
Bromochloromethane	ND	ug/kg	5.2	1		07/10/12 14:06	74-97-5	
Bromodichloromethane	ND	ug/kg	5.2	1		07/10/12 14:06	75-27-4	
Bromoform	ND	ug/kg	5.2	1		07/10/12 14:06	75-25-2	
Bromomethane	ND	ug/kg	10.3	1		07/10/12 14:06	74-83-9	
2-Butanone (MEK)	ND	ug/kg	103	1		07/10/12 14:06	78-93-3	
n-Butylbenzene	ND	ug/kg	5.2	1		07/10/12 14:06	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.2	1		07/10/12 14:06	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.2	1		07/10/12 14:06	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.2	1		07/10/12 14:06	56-23-5	
Chlorobenzene	ND	ug/kg	5.2	1		07/10/12 14:06	108-90-7	
Chloroethane	ND	ug/kg	10.3	1		07/10/12 14:06	75-00-3	
Chloroform	ND	ug/kg	5.2	1		07/10/12 14:06	67-66-3	
Chloromethane	ND	ug/kg	10.3	1		07/10/12 14:06	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.2	1		07/10/12 14:06	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.2	1		07/10/12 14:06	106-43-4	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 3 B-6 **Lab ID: 92123374006** Collected: 07/06/12 10:20 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.2	1		07/10/12 14:06	96-12-8	
Dibromochloromethane	ND	ug/kg	5.2	1		07/10/12 14:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.2	1		07/10/12 14:06	106-93-4	
Dibromomethane	ND	ug/kg	5.2	1		07/10/12 14:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.2	1		07/10/12 14:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.2	1		07/10/12 14:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.2	1		07/10/12 14:06	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.3	1		07/10/12 14:06	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.2	1		07/10/12 14:06	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.2	1		07/10/12 14:06	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.2	1		07/10/12 14:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.2	1		07/10/12 14:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.2	1		07/10/12 14:06	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.2	1		07/10/12 14:06	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.2	1		07/10/12 14:06	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.2	1		07/10/12 14:06	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.2	1		07/10/12 14:06	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.2	1		07/10/12 14:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.2	1		07/10/12 14:06	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.2	1		07/10/12 14:06	108-20-3	
Ethylbenzene	ND	ug/kg	5.2	1		07/10/12 14:06	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.2	1		07/10/12 14:06	87-68-3	
2-Hexanone	ND	ug/kg	51.7	1		07/10/12 14:06	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.2	1		07/10/12 14:06	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.2	1		07/10/12 14:06	99-87-6	
Methylene Chloride	ND	ug/kg	20.7	1		07/10/12 14:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	51.7	1		07/10/12 14:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.2	1		07/10/12 14:06	1634-04-4	
Naphthalene	ND	ug/kg	5.2	1		07/10/12 14:06	91-20-3	
n-Propylbenzene	ND	ug/kg	5.2	1		07/10/12 14:06	103-65-1	
Styrene	ND	ug/kg	5.2	1		07/10/12 14:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.2	1		07/10/12 14:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.2	1		07/10/12 14:06	79-34-5	
Tetrachloroethene	ND	ug/kg	5.2	1		07/10/12 14:06	127-18-4	
Toluene	ND	ug/kg	5.2	1		07/10/12 14:06	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.2	1		07/10/12 14:06	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.2	1		07/10/12 14:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.2	1		07/10/12 14:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.2	1		07/10/12 14:06	79-00-5	
Trichloroethene	ND	ug/kg	5.2	1		07/10/12 14:06	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.2	1		07/10/12 14:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.2	1		07/10/12 14:06	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.2	1		07/10/12 14:06	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.2	1		07/10/12 14:06	108-67-8	
Vinyl acetate	ND	ug/kg	51.7	1		07/10/12 14:06	108-05-4	
Vinyl chloride	ND	ug/kg	10.3	1		07/10/12 14:06	75-01-4	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 3 B-6 **Lab ID: 92123374006** Collected: 07/06/12 10:20 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/kg	10.3	1		07/10/12 14:06	1330-20-7	
m&p-Xylene	ND	ug/kg	10.3	1		07/10/12 14:06	179601-23-1	
o-Xylene	ND	ug/kg	5.2	1		07/10/12 14:06	95-47-6	
Surrogates								
Dibromofluoromethane (S)	119	%	70-130	1		07/10/12 14:06	1868-53-7	
Toluene-d8 (S)	101	%	70-130	1		07/10/12 14:06	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130	1		07/10/12 14:06	460-00-4	
1,2-Dichloroethane-d4 (S)	118	%	70-132	1		07/10/12 14:06	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**18.3**	%	0.10	1		07/07/12 08:01		

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 3 B-7 **Lab ID: 92123374007** Collected: 07/06/12 11:00 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Chromium	**42.1**	mg/kg	0.38	1	07/11/12 07:25	07/11/12 18:43	7440-47-3	
Lead	**9.4**	mg/kg	0.38	1	07/11/12 07:25	07/11/12 18:43	7439-92-1	
8270 MSSV PAH Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	395	1	07/09/12 09:12	07/12/12 17:42	83-32-9	
Acenaphthylene	ND	ug/kg	395	1	07/09/12 09:12	07/12/12 17:42	208-96-8	
Anthracene	ND	ug/kg	395	1	07/09/12 09:12	07/12/12 17:42	120-12-7	
Benzo(a)anthracene	ND	ug/kg	395	1	07/09/12 09:12	07/12/12 17:42	56-55-3	
Benzo(a)pyrene	ND	ug/kg	395	1	07/09/12 09:12	07/12/12 17:42	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	395	1	07/09/12 09:12	07/12/12 17:42	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	395	1	07/09/12 09:12	07/12/12 17:42	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	395	1	07/09/12 09:12	07/12/12 17:42	207-08-9	
Chrysene	ND	ug/kg	395	1	07/09/12 09:12	07/12/12 17:42	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	395	1	07/09/12 09:12	07/12/12 17:42	53-70-3	
Fluoranthene	ND	ug/kg	395	1	07/09/12 09:12	07/12/12 17:42	206-44-0	
Fluorene	ND	ug/kg	395	1	07/09/12 09:12	07/12/12 17:42	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	395	1	07/09/12 09:12	07/12/12 17:42	193-39-5	
1-Methylnaphthalene	ND	ug/kg	395	1	07/09/12 09:12	07/12/12 17:42	90-12-0	
2-Methylnaphthalene	ND	ug/kg	395	1	07/09/12 09:12	07/12/12 17:42	91-57-6	
Naphthalene	ND	ug/kg	395	1	07/09/12 09:12	07/12/12 17:42	91-20-3	
Phenanthrene	ND	ug/kg	395	1	07/09/12 09:12	07/12/12 17:42	85-01-8	
Pyrene	ND	ug/kg	395	1	07/09/12 09:12	07/12/12 17:42	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	32	%	23-110	1	07/09/12 09:12	07/12/12 17:42	4165-60-0	
2-Fluorobiphenyl (S)	36	%	30-110	1	07/09/12 09:12	07/12/12 17:42	321-60-8	
Terphenyl-d14 (S)	60	%	28-110	1	07/09/12 09:12	07/12/12 17:42	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	**198**	ug/kg	102	1		07/11/12 17:51	67-64-1	A+
Benzene	**6.1**	ug/kg	5.1	1		07/11/12 17:51	71-43-2	
Bromobenzene	ND	ug/kg	5.1	1		07/11/12 17:51	108-86-1	
Bromochloromethane	ND	ug/kg	5.1	1		07/11/12 17:51	74-97-5	
Bromodichloromethane	ND	ug/kg	5.1	1		07/11/12 17:51	75-27-4	
Bromoform	ND	ug/kg	5.1	1		07/11/12 17:51	75-25-2	
Bromomethane	ND	ug/kg	10.2	1		07/11/12 17:51	74-83-9	
2-Butanone (MEK)	ND	ug/kg	102	1		07/11/12 17:51	78-93-3	
n-Butylbenzene	ND	ug/kg	5.1	1		07/11/12 17:51	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.1	1		07/11/12 17:51	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.1	1		07/11/12 17:51	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.1	1		07/11/12 17:51	56-23-5	
Chlorobenzene	ND	ug/kg	5.1	1		07/11/12 17:51	108-90-7	
Chloroethane	ND	ug/kg	10.2	1		07/11/12 17:51	75-00-3	
Chloroform	ND	ug/kg	5.1	1		07/11/12 17:51	67-66-3	
Chloromethane	ND	ug/kg	10.2	1		07/11/12 17:51	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.1	1		07/11/12 17:51	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.1	1		07/11/12 17:51	106-43-4	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 3 B-7 **Lab ID: 92123374007** Collected: 07/06/12 11:00 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.1	1		07/11/12 17:51	96-12-8	
Dibromochloromethane	ND	ug/kg	5.1	1		07/11/12 17:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.1	1		07/11/12 17:51	106-93-4	
Dibromomethane	ND	ug/kg	5.1	1		07/11/12 17:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.1	1		07/11/12 17:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.1	1		07/11/12 17:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.1	1		07/11/12 17:51	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.2	1		07/11/12 17:51	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.1	1		07/11/12 17:51	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.1	1		07/11/12 17:51	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.1	1		07/11/12 17:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.1	1		07/11/12 17:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.1	1		07/11/12 17:51	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.1	1		07/11/12 17:51	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.1	1		07/11/12 17:51	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.1	1		07/11/12 17:51	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.1	1		07/11/12 17:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.1	1		07/11/12 17:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.1	1		07/11/12 17:51	10061-02-6	
Diisopropyl ether	**12.8**	ug/kg	5.1	1		07/11/12 17:51	108-20-3	
Ethylbenzene	**5.8**	ug/kg	5.1	1		07/11/12 17:51	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.1	1		07/11/12 17:51	87-68-3	
2-Hexanone	ND	ug/kg	50.8	1		07/11/12 17:51	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.1	1		07/11/12 17:51	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.1	1		07/11/12 17:51	99-87-6	
Methylene Chloride	ND	ug/kg	20.3	1		07/11/12 17:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	50.8	1		07/11/12 17:51	108-10-1	
Methyl-tert-butyl ether	**203**	ug/kg	5.1	1		07/11/12 17:51	1634-04-4	
Naphthalene	**45.8**	ug/kg	5.1	1		07/11/12 17:51	91-20-3	
n-Propylbenzene	ND	ug/kg	5.1	1		07/11/12 17:51	103-65-1	
Styrene	ND	ug/kg	5.1	1		07/11/12 17:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.1	1		07/11/12 17:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.1	1		07/11/12 17:51	79-34-5	
Tetrachloroethene	ND	ug/kg	5.1	1		07/11/12 17:51	127-18-4	
Toluene	**7.5**	ug/kg	5.1	1		07/11/12 17:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.1	1		07/11/12 17:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.1	1		07/11/12 17:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.1	1		07/11/12 17:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.1	1		07/11/12 17:51	79-00-5	
Trichloroethene	ND	ug/kg	5.1	1		07/11/12 17:51	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.1	1		07/11/12 17:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.1	1		07/11/12 17:51	96-18-4	
1,2,4-Trimethylbenzene	**65.2**	ug/kg	5.1	1		07/11/12 17:51	95-63-6	
1,3,5-Trimethylbenzene	**15.4**	ug/kg	5.1	1		07/11/12 17:51	108-67-8	
Vinyl acetate	ND	ug/kg	50.8	1		07/11/12 17:51	108-05-4	
Vinyl chloride	ND	ug/kg	10.2	1		07/11/12 17:51	75-01-4	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 3 B-7 **Lab ID: 92123374007** Collected: 07/06/12 11:00 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Xylene (Total)	**67.8**	ug/kg	10.2	1		07/11/12 17:51	1330-20-7	
m&p-Xylene	**37.8**	ug/kg	10.2	1		07/11/12 17:51	179601-23-1	
o-Xylene	**30.0**	ug/kg	5.1	1		07/11/12 17:51	95-47-6	
Surrogates								
Dibromofluoromethane (S)	112	%	70-130	1		07/11/12 17:51	1868-53-7	
Toluene-d8 (S)	106	%	70-130	1		07/11/12 17:51	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130	1		07/11/12 17:51	460-00-4	
1,2-Dichloroethane-d4 (S)	119	%	70-132	1		07/11/12 17:51	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**16.5**	%	0.10	1		07/07/12 08:02		

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 3 B-8 **Lab ID: 92123374008** Collected: 07/06/12 10:00 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Chromium	**59.4**	mg/kg	0.65	1	07/11/12 07:25	07/11/12 18:46	7440-47-3	
Lead	**4.6**	mg/kg	0.65	1	07/11/12 07:25	07/11/12 18:46	7439-92-1	
8270 MSSV PAH Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	448	1	07/09/12 09:12	07/12/12 18:10	83-32-9	
Acenaphthylene	ND	ug/kg	448	1	07/09/12 09:12	07/12/12 18:10	208-96-8	
Anthracene	ND	ug/kg	448	1	07/09/12 09:12	07/12/12 18:10	120-12-7	
Benzo(a)anthracene	ND	ug/kg	448	1	07/09/12 09:12	07/12/12 18:10	56-55-3	
Benzo(a)pyrene	ND	ug/kg	448	1	07/09/12 09:12	07/12/12 18:10	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	448	1	07/09/12 09:12	07/12/12 18:10	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	448	1	07/09/12 09:12	07/12/12 18:10	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	448	1	07/09/12 09:12	07/12/12 18:10	207-08-9	
Chrysene	ND	ug/kg	448	1	07/09/12 09:12	07/12/12 18:10	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	448	1	07/09/12 09:12	07/12/12 18:10	53-70-3	
Fluoranthene	ND	ug/kg	448	1	07/09/12 09:12	07/12/12 18:10	206-44-0	
Fluorene	ND	ug/kg	448	1	07/09/12 09:12	07/12/12 18:10	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	448	1	07/09/12 09:12	07/12/12 18:10	193-39-5	
1-Methylnaphthalene	ND	ug/kg	448	1	07/09/12 09:12	07/12/12 18:10	90-12-0	
2-Methylnaphthalene	ND	ug/kg	448	1	07/09/12 09:12	07/12/12 18:10	91-57-6	
Naphthalene	ND	ug/kg	448	1	07/09/12 09:12	07/12/12 18:10	91-20-3	
Phenanthrene	ND	ug/kg	448	1	07/09/12 09:12	07/12/12 18:10	85-01-8	
Pyrene	ND	ug/kg	448	1	07/09/12 09:12	07/12/12 18:10	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	52	%	23-110	1	07/09/12 09:12	07/12/12 18:10	4165-60-0	
2-Fluorobiphenyl (S)	54	%	30-110	1	07/09/12 09:12	07/12/12 18:10	321-60-8	
Terphenyl-d14 (S)	67	%	28-110	1	07/09/12 09:12	07/12/12 18:10	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	116	1		07/10/12 14:43	67-64-1	
Benzene	ND	ug/kg	5.8	1		07/10/12 14:43	71-43-2	
Bromobenzene	ND	ug/kg	5.8	1		07/10/12 14:43	108-86-1	
Bromochloromethane	ND	ug/kg	5.8	1		07/10/12 14:43	74-97-5	
Bromodichloromethane	ND	ug/kg	5.8	1		07/10/12 14:43	75-27-4	
Bromoform	ND	ug/kg	5.8	1		07/10/12 14:43	75-25-2	
Bromomethane	ND	ug/kg	11.6	1		07/10/12 14:43	74-83-9	
2-Butanone (MEK)	ND	ug/kg	116	1		07/10/12 14:43	78-93-3	
n-Butylbenzene	ND	ug/kg	5.8	1		07/10/12 14:43	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.8	1		07/10/12 14:43	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.8	1		07/10/12 14:43	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.8	1		07/10/12 14:43	56-23-5	
Chlorobenzene	ND	ug/kg	5.8	1		07/10/12 14:43	108-90-7	
Chloroethane	ND	ug/kg	11.6	1		07/10/12 14:43	75-00-3	
Chloroform	ND	ug/kg	5.8	1		07/10/12 14:43	67-66-3	
Chloromethane	ND	ug/kg	11.6	1		07/10/12 14:43	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.8	1		07/10/12 14:43	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.8	1		07/10/12 14:43	106-43-4	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 3 B-8 **Lab ID: 92123374008** Collected: 07/06/12 10:00 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.8	1		07/10/12 14:43	96-12-8	
Dibromochloromethane	ND	ug/kg	5.8	1		07/10/12 14:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.8	1		07/10/12 14:43	106-93-4	
Dibromomethane	ND	ug/kg	5.8	1		07/10/12 14:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.8	1		07/10/12 14:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.8	1		07/10/12 14:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.8	1		07/10/12 14:43	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.6	1		07/10/12 14:43	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.8	1		07/10/12 14:43	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.8	1		07/10/12 14:43	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.8	1		07/10/12 14:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.8	1		07/10/12 14:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.8	1		07/10/12 14:43	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.8	1		07/10/12 14:43	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.8	1		07/10/12 14:43	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.8	1		07/10/12 14:43	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.8	1		07/10/12 14:43	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.8	1		07/10/12 14:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.8	1		07/10/12 14:43	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.8	1		07/10/12 14:43	108-20-3	
Ethylbenzene	ND	ug/kg	5.8	1		07/10/12 14:43	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.8	1		07/10/12 14:43	87-68-3	
2-Hexanone	ND	ug/kg	58.0	1		07/10/12 14:43	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.8	1		07/10/12 14:43	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.8	1		07/10/12 14:43	99-87-6	
Methylene Chloride	ND	ug/kg	23.2	1		07/10/12 14:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	58.0	1		07/10/12 14:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.8	1		07/10/12 14:43	1634-04-4	
Naphthalene	ND	ug/kg	5.8	1		07/10/12 14:43	91-20-3	
n-Propylbenzene	ND	ug/kg	5.8	1		07/10/12 14:43	103-65-1	
Styrene	ND	ug/kg	5.8	1		07/10/12 14:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.8	1		07/10/12 14:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.8	1		07/10/12 14:43	79-34-5	
Tetrachloroethene	ND	ug/kg	5.8	1		07/10/12 14:43	127-18-4	
Toluene	ND	ug/kg	5.8	1		07/10/12 14:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.8	1		07/10/12 14:43	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.8	1		07/10/12 14:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.8	1		07/10/12 14:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.8	1		07/10/12 14:43	79-00-5	
Trichloroethene	ND	ug/kg	5.8	1		07/10/12 14:43	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.8	1		07/10/12 14:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.8	1		07/10/12 14:43	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.8	1		07/10/12 14:43	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.8	1		07/10/12 14:43	108-67-8	
Vinyl acetate	ND	ug/kg	58.0	1		07/10/12 14:43	108-05-4	
Vinyl chloride	ND	ug/kg	11.6	1		07/10/12 14:43	75-01-4	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 3 B-8 **Lab ID: 92123374008** Collected: 07/06/12 10:00 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/kg	11.6	1		07/10/12 14:43	1330-20-7	
m&p-Xylene	ND	ug/kg	11.6	1		07/10/12 14:43	179601-23-1	
o-Xylene	ND	ug/kg	5.8	1		07/10/12 14:43	95-47-6	
Surrogates								
Dibromofluoromethane (S)	113	%	70-130	1		07/10/12 14:43	1868-53-7	
Toluene-d8 (S)	102	%	70-130	1		07/10/12 14:43	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130	1		07/10/12 14:43	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-132	1		07/10/12 14:43	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**26.3**	%	0.10	1		07/07/12 08:02		

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 1 B-1 **Lab ID: 92123374009** Collected: 07/06/12 12:00 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**1.2**	mg/kg	0.49	1	07/11/12 07:25	07/11/12 18:49	7440-38-2	
Barium	**66.0**	mg/kg	0.49	1	07/11/12 07:25	07/11/12 18:49	7440-39-3	
Cadmium	ND	mg/kg	0.099	1	07/11/12 07:25	07/11/12 18:49	7440-43-9	
Chromium	**2.0**	mg/kg	0.49	1	07/11/12 07:25	07/11/12 18:49	7440-47-3	
Copper	**2.3**	mg/kg	0.49	1	07/11/12 07:25	07/11/12 18:49	7440-50-8	
Lead	**2.4**	mg/kg	0.49	1	07/11/12 07:25	07/11/12 18:49	7439-92-1	
Manganese	**397**	mg/kg	0.49	1	07/11/12 07:25	07/11/12 18:49	7439-96-5	
Selenium	ND	mg/kg	0.99	1	07/11/12 07:25	07/11/12 18:49	7782-49-2	
Silver	ND	mg/kg	0.49	1	07/11/12 07:25	07/11/12 18:49	7440-22-4	
Zinc	**18.0**	mg/kg	0.99	1	07/11/12 07:25	07/11/12 18:49	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.0032**	mg/kg	0.0028	1	07/12/12 11:10	07/12/12 15:30	7439-97-6	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	83-32-9	
Acenaphthylene	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	208-96-8	
Aniline	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	62-53-3	
Anthracene	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	120-12-7	
Benzo(a)anthracene	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	56-55-3	
Benzo(a)pyrene	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	207-08-9	
Benzoic Acid	ND	ug/kg	1830	1	07/09/12 09:12	07/11/12 20:28	65-85-0	
Benzyl alcohol	ND	ug/kg	730	1	07/09/12 09:12	07/11/12 20:28	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	101-55-3	
Butylbenzylphthalate	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	730	1	07/09/12 09:12	07/11/12 20:28	59-50-7	
4-Chloroaniline	ND	ug/kg	1830	1	07/09/12 09:12	07/11/12 20:28	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	108-60-1	
2-Chloronaphthalene	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	91-58-7	
2-Chlorophenol	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	7005-72-3	
Chrysene	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	53-70-3	
Dibenzofuran	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1830	1	07/09/12 09:12	07/11/12 20:28	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	120-83-2	
Diethylphthalate	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	84-66-2	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 1 B-1 **Lab ID: 92123374009** Collected: 07/06/12 12:00 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2,4-Dimethylphenol	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	105-67-9	
Dimethylphthalate	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	131-11-3	
Di-n-butylphthalate	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	730	1	07/09/12 09:12	07/11/12 20:28	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1830	1	07/09/12 09:12	07/11/12 20:28	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	606-20-2	
Di-n-octylphthalate	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	117-81-7	
Fluoranthene	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	206-44-0	
Fluorene	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	87-68-3	
Hexachlorobenzene	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	77-47-4	
Hexachloroethane	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	193-39-5	
Isophorone	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	78-59-1	
1-Methylnaphthalene	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	90-12-0	
2-Methylnaphthalene	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28		
Naphthalene	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	91-20-3	
2-Nitroaniline	ND	ug/kg	1830	1	07/09/12 09:12	07/11/12 20:28	88-74-4	
3-Nitroaniline	ND	ug/kg	1830	1	07/09/12 09:12	07/11/12 20:28	99-09-2	
4-Nitroaniline	ND	ug/kg	730	1	07/09/12 09:12	07/11/12 20:28	100-01-6	
Nitrobenzene	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	98-95-3	
2-Nitrophenol	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	88-75-5	
4-Nitrophenol	ND	ug/kg	1830	1	07/09/12 09:12	07/11/12 20:28	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	86-30-6	
Pentachlorophenol	ND	ug/kg	1830	1	07/09/12 09:12	07/11/12 20:28	87-86-5	
Phenanthrene	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	85-01-8	
Phenol	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	108-95-2	
Pyrene	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	365	1	07/09/12 09:12	07/11/12 20:28	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	43	%	23-110	1	07/09/12 09:12	07/11/12 20:28	4165-60-0	
2-Fluorobiphenyl (S)	44	%	30-110	1	07/09/12 09:12	07/11/12 20:28	321-60-8	
Terphenyl-d14 (S)	83	%	28-110	1	07/09/12 09:12	07/11/12 20:28	1718-51-0	
Phenol-d6 (S)	40	%	22-110	1	07/09/12 09:12	07/11/12 20:28	13127-88-3	
2-Fluorophenol (S)	41	%	13-110	1	07/09/12 09:12	07/11/12 20:28	367-12-4	
2,4,6-Tribromophenol (S)	47	%	27-110	1	07/09/12 09:12	07/11/12 20:28	118-79-6	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 1 B-1 **Lab ID: 92123374009** Collected: 07/06/12 12:00 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	**163**	ug/kg	96.4	1		07/10/12 15:02	67-64-1	A+
Benzene	ND	ug/kg	4.8	1		07/10/12 15:02	71-43-2	
Bromobenzene	ND	ug/kg	4.8	1		07/10/12 15:02	108-86-1	
Bromochloromethane	ND	ug/kg	4.8	1		07/10/12 15:02	74-97-5	
Bromodichloromethane	ND	ug/kg	4.8	1		07/10/12 15:02	75-27-4	
Bromoform	ND	ug/kg	4.8	1		07/10/12 15:02	75-25-2	
Bromomethane	ND	ug/kg	9.6	1		07/10/12 15:02	74-83-9	
2-Butanone (MEK)	ND	ug/kg	96.4	1		07/10/12 15:02	78-93-3	
n-Butylbenzene	ND	ug/kg	4.8	1		07/10/12 15:02	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.8	1		07/10/12 15:02	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.8	1		07/10/12 15:02	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.8	1		07/10/12 15:02	56-23-5	
Chlorobenzene	ND	ug/kg	4.8	1		07/10/12 15:02	108-90-7	
Chloroethane	ND	ug/kg	9.6	1		07/10/12 15:02	75-00-3	
Chloroform	ND	ug/kg	4.8	1		07/10/12 15:02	67-66-3	
Chloromethane	ND	ug/kg	9.6	1		07/10/12 15:02	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.8	1		07/10/12 15:02	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.8	1		07/10/12 15:02	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.8	1		07/10/12 15:02	96-12-8	
Dibromochloromethane	ND	ug/kg	4.8	1		07/10/12 15:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.8	1		07/10/12 15:02	106-93-4	
Dibromomethane	ND	ug/kg	4.8	1		07/10/12 15:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.8	1		07/10/12 15:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.8	1		07/10/12 15:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.8	1		07/10/12 15:02	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.6	1		07/10/12 15:02	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.8	1		07/10/12 15:02	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.8	1		07/10/12 15:02	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.8	1		07/10/12 15:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.8	1		07/10/12 15:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.8	1		07/10/12 15:02	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.8	1		07/10/12 15:02	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.8	1		07/10/12 15:02	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.8	1		07/10/12 15:02	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.8	1		07/10/12 15:02	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.8	1		07/10/12 15:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.8	1		07/10/12 15:02	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.8	1		07/10/12 15:02	108-20-3	
Ethylbenzene	ND	ug/kg	4.8	1		07/10/12 15:02	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.8	1		07/10/12 15:02	87-68-3	
2-Hexanone	ND	ug/kg	48.2	1		07/10/12 15:02	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.8	1		07/10/12 15:02	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.8	1		07/10/12 15:02	99-87-6	
Methylene Chloride	ND	ug/kg	19.3	1		07/10/12 15:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	48.2	1		07/10/12 15:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.8	1		07/10/12 15:02	1634-04-4	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 1 B-1 **Lab ID: 92123374009** Collected: 07/06/12 12:00 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Naphthalene	ND	ug/kg	4.8	1		07/10/12 15:02	91-20-3	
n-Propylbenzene	ND	ug/kg	4.8	1		07/10/12 15:02	103-65-1	
Styrene	ND	ug/kg	4.8	1		07/10/12 15:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.8	1		07/10/12 15:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.8	1		07/10/12 15:02	79-34-5	
Tetrachloroethene	ND	ug/kg	4.8	1		07/10/12 15:02	127-18-4	
Toluene	ND	ug/kg	4.8	1		07/10/12 15:02	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.8	1		07/10/12 15:02	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.8	1		07/10/12 15:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.8	1		07/10/12 15:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.8	1		07/10/12 15:02	79-00-5	
Trichloroethene	ND	ug/kg	4.8	1		07/10/12 15:02	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.8	1		07/10/12 15:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.8	1		07/10/12 15:02	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.8	1		07/10/12 15:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.8	1		07/10/12 15:02	108-67-8	
Vinyl acetate	ND	ug/kg	48.2	1		07/10/12 15:02	108-05-4	
Vinyl chloride	ND	ug/kg	9.6	1		07/10/12 15:02	75-01-4	
Xylene (Total)	ND	ug/kg	9.6	1		07/10/12 15:02	1330-20-7	
m&p-Xylene	ND	ug/kg	9.6	1		07/10/12 15:02	179601-23-1	
o-Xylene	ND	ug/kg	4.8	1		07/10/12 15:02	95-47-6	
Surrogates								
Dibromofluoromethane (S)	107	%	70-130	1		07/10/12 15:02	1868-53-7	
Toluene-d8 (S)	100	%	70-130	1		07/10/12 15:02	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130	1		07/10/12 15:02	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-132	1		07/10/12 15:02	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**9.6**	%	0.10	1		07/07/12 08:02		

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 1 B-2 **Lab ID: 92123374010** Collected: 07/06/12 12:30 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**2.9**	mg/kg	0.59	1	07/11/12 07:25	07/11/12 18:52	7440-38-2	
Barium	**119**	mg/kg	0.59	1	07/11/12 07:25	07/11/12 18:52	7440-39-3	
Cadmium	**1.2**	mg/kg	0.12	1	07/11/12 07:25	07/11/12 18:52	7440-43-9	
Chromium	**2.3**	mg/kg	0.59	1	07/11/12 07:25	07/11/12 18:52	7440-47-3	
Copper	**35.8**	mg/kg	0.59	1	07/11/12 07:25	07/11/12 18:52	7440-50-8	
Lead	**10.7**	mg/kg	0.59	1	07/11/12 07:25	07/11/12 18:52	7439-92-1	
Manganese	**2710**	mg/kg	5.9	10	07/11/12 07:25	07/12/12 17:14	7439-96-5	
Selenium	ND	mg/kg	1.2	1	07/11/12 07:25	07/11/12 18:52	7782-49-2	
Silver	ND	mg/kg	0.59	1	07/11/12 07:25	07/11/12 18:52	7440-22-4	
Zinc	**70.2**	mg/kg	1.2	1	07/11/12 07:25	07/11/12 18:52	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.017**	mg/kg	0.0063	1	07/12/12 11:10	07/12/12 15:33	7439-97-6	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	83-32-9	
Acenaphthylene	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	208-96-8	
Aniline	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	62-53-3	
Anthracene	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	120-12-7	
Benzo(a)anthracene	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	56-55-3	
Benzo(a)pyrene	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	207-08-9	
Benzoic Acid	ND	ug/kg	2230	1	07/09/12 09:12	07/11/12 20:56	65-85-0	
Benzyl alcohol	ND	ug/kg	894	1	07/09/12 09:12	07/11/12 20:56	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	101-55-3	
Butylbenzylphthalate	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	894	1	07/09/12 09:12	07/11/12 20:56	59-50-7	
4-Chloroaniline	ND	ug/kg	2230	1	07/09/12 09:12	07/11/12 20:56	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	108-60-1	
2-Chloronaphthalene	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	91-58-7	
2-Chlorophenol	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	7005-72-3	
Chrysene	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	53-70-3	
Dibenzofuran	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2230	1	07/09/12 09:12	07/11/12 20:56	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	120-83-2	
Diethylphthalate	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	84-66-2	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 1 B-2 **Lab ID: 92123374010** Collected: 07/06/12 12:30 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2,4-Dimethylphenol	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	105-67-9	
Dimethylphthalate	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	131-11-3	
Di-n-butylphthalate	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	894	1	07/09/12 09:12	07/11/12 20:56	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2230	1	07/09/12 09:12	07/11/12 20:56	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	606-20-2	
Di-n-octylphthalate	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	117-81-7	
Fluoranthene	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	206-44-0	
Fluorene	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	87-68-3	
Hexachlorobenzene	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	77-47-4	
Hexachloroethane	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	193-39-5	
Isophorone	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	78-59-1	
1-Methylnaphthalene	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	90-12-0	
2-Methylnaphthalene	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56		
Naphthalene	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	91-20-3	
2-Nitroaniline	ND	ug/kg	2230	1	07/09/12 09:12	07/11/12 20:56	88-74-4	
3-Nitroaniline	ND	ug/kg	2230	1	07/09/12 09:12	07/11/12 20:56	99-09-2	
4-Nitroaniline	ND	ug/kg	894	1	07/09/12 09:12	07/11/12 20:56	100-01-6	
Nitrobenzene	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	98-95-3	
2-Nitrophenol	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	88-75-5	
4-Nitrophenol	ND	ug/kg	2230	1	07/09/12 09:12	07/11/12 20:56	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	86-30-6	
Pentachlorophenol	ND	ug/kg	2230	1	07/09/12 09:12	07/11/12 20:56	87-86-5	
Phenanthrene	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	85-01-8	
Phenol	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	108-95-2	
Pyrene	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	447	1	07/09/12 09:12	07/11/12 20:56	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	52	%	23-110	1	07/09/12 09:12	07/11/12 20:56	4165-60-0	
2-Fluorobiphenyl (S)	48	%	30-110	1	07/09/12 09:12	07/11/12 20:56	321-60-8	
Terphenyl-d14 (S)	72	%	28-110	1	07/09/12 09:12	07/11/12 20:56	1718-51-0	
Phenol-d6 (S)	39	%	22-110	1	07/09/12 09:12	07/11/12 20:56	13127-88-3	
2-Fluorophenol (S)	38	%	13-110	1	07/09/12 09:12	07/11/12 20:56	367-12-4	
2,4,6-Tribromophenol (S)	35	%	27-110	1	07/09/12 09:12	07/11/12 20:56	118-79-6	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 1 B-2 **Lab ID: 92123374010** Collected: 07/06/12 12:30 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	**112**	ug/kg	109	1		07/10/12 15:20	67-64-1	A+
Benzene	ND	ug/kg	5.5	1		07/10/12 15:20	71-43-2	
Bromobenzene	ND	ug/kg	5.5	1		07/10/12 15:20	108-86-1	
Bromochloromethane	ND	ug/kg	5.5	1		07/10/12 15:20	74-97-5	
Bromodichloromethane	ND	ug/kg	5.5	1		07/10/12 15:20	75-27-4	
Bromoform	ND	ug/kg	5.5	1		07/10/12 15:20	75-25-2	
Bromomethane	ND	ug/kg	10.9	1		07/10/12 15:20	74-83-9	
2-Butanone (MEK)	ND	ug/kg	109	1		07/10/12 15:20	78-93-3	
n-Butylbenzene	ND	ug/kg	5.5	1		07/10/12 15:20	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.5	1		07/10/12 15:20	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.5	1		07/10/12 15:20	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.5	1		07/10/12 15:20	56-23-5	
Chlorobenzene	ND	ug/kg	5.5	1		07/10/12 15:20	108-90-7	
Chloroethane	ND	ug/kg	10.9	1		07/10/12 15:20	75-00-3	
Chloroform	ND	ug/kg	5.5	1		07/10/12 15:20	67-66-3	
Chloromethane	ND	ug/kg	10.9	1		07/10/12 15:20	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.5	1		07/10/12 15:20	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.5	1		07/10/12 15:20	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.5	1		07/10/12 15:20	96-12-8	
Dibromochloromethane	ND	ug/kg	5.5	1		07/10/12 15:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.5	1		07/10/12 15:20	106-93-4	
Dibromomethane	ND	ug/kg	5.5	1		07/10/12 15:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.5	1		07/10/12 15:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.5	1		07/10/12 15:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.5	1		07/10/12 15:20	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.9	1		07/10/12 15:20	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.5	1		07/10/12 15:20	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.5	1		07/10/12 15:20	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.5	1		07/10/12 15:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.5	1		07/10/12 15:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.5	1		07/10/12 15:20	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.5	1		07/10/12 15:20	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.5	1		07/10/12 15:20	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.5	1		07/10/12 15:20	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.5	1		07/10/12 15:20	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.5	1		07/10/12 15:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.5	1		07/10/12 15:20	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.5	1		07/10/12 15:20	108-20-3	
Ethylbenzene	ND	ug/kg	5.5	1		07/10/12 15:20	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.5	1		07/10/12 15:20	87-68-3	
2-Hexanone	ND	ug/kg	54.6	1		07/10/12 15:20	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.5	1		07/10/12 15:20	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.5	1		07/10/12 15:20	99-87-6	
Methylene Chloride	ND	ug/kg	21.8	1		07/10/12 15:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	54.6	1		07/10/12 15:20	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.5	1		07/10/12 15:20	1634-04-4	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 1 B-2 **Lab ID: 92123374010** Collected: 07/06/12 12:30 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Naphthalene	ND	ug/kg	5.5	1		07/10/12 15:20	91-20-3	
n-Propylbenzene	ND	ug/kg	5.5	1		07/10/12 15:20	103-65-1	
Styrene	ND	ug/kg	5.5	1		07/10/12 15:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.5	1		07/10/12 15:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.5	1		07/10/12 15:20	79-34-5	
Tetrachloroethene	ND	ug/kg	5.5	1		07/10/12 15:20	127-18-4	
Toluene	ND	ug/kg	5.5	1		07/10/12 15:20	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.5	1		07/10/12 15:20	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.5	1		07/10/12 15:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.5	1		07/10/12 15:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.5	1		07/10/12 15:20	79-00-5	
Trichloroethene	ND	ug/kg	5.5	1		07/10/12 15:20	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.5	1		07/10/12 15:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.5	1		07/10/12 15:20	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.5	1		07/10/12 15:20	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.5	1		07/10/12 15:20	108-67-8	
Vinyl acetate	ND	ug/kg	54.6	1		07/10/12 15:20	108-05-4	
Vinyl chloride	ND	ug/kg	10.9	1		07/10/12 15:20	75-01-4	
Xylene (Total)	ND	ug/kg	10.9	1		07/10/12 15:20	1330-20-7	
m&p-Xylene	ND	ug/kg	10.9	1		07/10/12 15:20	179601-23-1	
o-Xylene	ND	ug/kg	5.5	1		07/10/12 15:20	95-47-6	
Surrogates								
Dibromofluoromethane (S)	106	%	70-130	1		07/10/12 15:20	1868-53-7	
Toluene-d8 (S)	101	%	70-130	1		07/10/12 15:20	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130	1		07/10/12 15:20	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-132	1		07/10/12 15:20	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**26.1**	%	0.10	1		07/07/12 08:02		

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 1 B-3 **Lab ID: 92123374011** Collected: 07/06/12 13:00 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**2.3**	mg/kg	0.91	2	07/11/12 07:25	07/12/12 17:17	7440-38-2	
Barium	**138**	mg/kg	0.91	2	07/11/12 07:25	07/12/12 17:17	7440-39-3	
Cadmium	**0.92**	mg/kg	0.18	2	07/11/12 07:25	07/12/12 17:17	7440-43-9	
Chromium	**9.4**	mg/kg	0.91	2	07/11/12 07:25	07/12/12 17:17	7440-47-3	
Copper	**27.2**	mg/kg	0.91	2	07/11/12 07:25	07/12/12 17:17	7440-50-8	
Lead	**1.0**	mg/kg	0.91	2	07/11/12 07:25	07/12/12 17:17	7439-92-1	
Manganese	**583**	mg/kg	0.91	2	07/11/12 07:25	07/12/12 17:17	7439-96-5	
Selenium	ND	mg/kg	1.8	2	07/11/12 07:25	07/12/12 17:17	7782-49-2	D3
Silver	ND	mg/kg	0.91	2	07/11/12 07:25	07/12/12 17:17	7440-22-4	D3
Zinc	**93.0**	mg/kg	1.8	2	07/11/12 07:25	07/12/12 17:17	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	ND	mg/kg	0.0044	1	07/12/12 11:10	07/12/12 15:36	7439-97-6	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	83-32-9	
Acenaphthylene	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	208-96-8	
Aniline	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	62-53-3	
Anthracene	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	120-12-7	
Benzo(a)anthracene	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	56-55-3	
Benzo(a)pyrene	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	207-08-9	
Benzoic Acid	ND	ug/kg	1810	1	07/09/12 09:12	07/11/12 21:24	65-85-0	
Benzyl alcohol	ND	ug/kg	724	1	07/09/12 09:12	07/11/12 21:24	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	101-55-3	
Butylbenzylphthalate	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	724	1	07/09/12 09:12	07/11/12 21:24	59-50-7	
4-Chloroaniline	ND	ug/kg	1810	1	07/09/12 09:12	07/11/12 21:24	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	108-60-1	
2-Chloronaphthalene	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	91-58-7	
2-Chlorophenol	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	7005-72-3	
Chrysene	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	53-70-3	
Dibenzofuran	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1810	1	07/09/12 09:12	07/11/12 21:24	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	120-83-2	
Diethylphthalate	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	84-66-2	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 1 B-3 **Lab ID: 92123374011** Collected: 07/06/12 13:00 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2,4-Dimethylphenol	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	105-67-9	
Dimethylphthalate	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	131-11-3	
Di-n-butylphthalate	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	724	1	07/09/12 09:12	07/11/12 21:24	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1810	1	07/09/12 09:12	07/11/12 21:24	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	606-20-2	
Di-n-octylphthalate	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	117-81-7	
Fluoranthene	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	206-44-0	
Fluorene	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	87-68-3	
Hexachlorobenzene	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	77-47-4	
Hexachloroethane	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	193-39-5	
Isophorone	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	78-59-1	
1-Methylnaphthalene	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	90-12-0	
2-Methylnaphthalene	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24		
Naphthalene	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	91-20-3	
2-Nitroaniline	ND	ug/kg	1810	1	07/09/12 09:12	07/11/12 21:24	88-74-4	
3-Nitroaniline	ND	ug/kg	1810	1	07/09/12 09:12	07/11/12 21:24	99-09-2	
4-Nitroaniline	ND	ug/kg	724	1	07/09/12 09:12	07/11/12 21:24	100-01-6	
Nitrobenzene	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	98-95-3	
2-Nitrophenol	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	88-75-5	
4-Nitrophenol	ND	ug/kg	1810	1	07/09/12 09:12	07/11/12 21:24	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	86-30-6	
Pentachlorophenol	ND	ug/kg	1810	1	07/09/12 09:12	07/11/12 21:24	87-86-5	
Phenanthrene	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	85-01-8	
Phenol	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	108-95-2	
Pyrene	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	362	1	07/09/12 09:12	07/11/12 21:24	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	59	%	23-110	1	07/09/12 09:12	07/11/12 21:24	4165-60-0	
2-Fluorobiphenyl (S)	62	%	30-110	1	07/09/12 09:12	07/11/12 21:24	321-60-8	
Terphenyl-d14 (S)	95	%	28-110	1	07/09/12 09:12	07/11/12 21:24	1718-51-0	
Phenol-d6 (S)	52	%	22-110	1	07/09/12 09:12	07/11/12 21:24	13127-88-3	
2-Fluorophenol (S)	50	%	13-110	1	07/09/12 09:12	07/11/12 21:24	367-12-4	
2,4,6-Tribromophenol (S)	48	%	27-110	1	07/09/12 09:12	07/11/12 21:24	118-79-6	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 1 B-3 **Lab ID: 92123374011** Collected: 07/06/12 13:00 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	91.7	1		07/10/12 15:39	67-64-1	
Benzene	ND	ug/kg	4.6	1		07/10/12 15:39	71-43-2	
Bromobenzene	ND	ug/kg	4.6	1		07/10/12 15:39	108-86-1	
Bromochloromethane	ND	ug/kg	4.6	1		07/10/12 15:39	74-97-5	
Bromodichloromethane	ND	ug/kg	4.6	1		07/10/12 15:39	75-27-4	
Bromoform	ND	ug/kg	4.6	1		07/10/12 15:39	75-25-2	
Bromomethane	ND	ug/kg	9.2	1		07/10/12 15:39	74-83-9	
2-Butanone (MEK)	ND	ug/kg	91.7	1		07/10/12 15:39	78-93-3	
n-Butylbenzene	ND	ug/kg	4.6	1		07/10/12 15:39	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.6	1		07/10/12 15:39	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.6	1		07/10/12 15:39	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.6	1		07/10/12 15:39	56-23-5	
Chlorobenzene	ND	ug/kg	4.6	1		07/10/12 15:39	108-90-7	
Chloroethane	ND	ug/kg	9.2	1		07/10/12 15:39	75-00-3	
Chloroform	ND	ug/kg	4.6	1		07/10/12 15:39	67-66-3	
Chloromethane	ND	ug/kg	9.2	1		07/10/12 15:39	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.6	1		07/10/12 15:39	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.6	1		07/10/12 15:39	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.6	1		07/10/12 15:39	96-12-8	
Dibromochloromethane	ND	ug/kg	4.6	1		07/10/12 15:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.6	1		07/10/12 15:39	106-93-4	
Dibromomethane	ND	ug/kg	4.6	1		07/10/12 15:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1		07/10/12 15:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1		07/10/12 15:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1		07/10/12 15:39	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.2	1		07/10/12 15:39	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.6	1		07/10/12 15:39	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	1		07/10/12 15:39	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.6	1		07/10/12 15:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.6	1		07/10/12 15:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1		07/10/12 15:39	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1		07/10/12 15:39	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.6	1		07/10/12 15:39	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.6	1		07/10/12 15:39	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.6	1		07/10/12 15:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1		07/10/12 15:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1		07/10/12 15:39	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.6	1		07/10/12 15:39	108-20-3	
Ethylbenzene	ND	ug/kg	4.6	1		07/10/12 15:39	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.6	1		07/10/12 15:39	87-68-3	
2-Hexanone	ND	ug/kg	45.9	1		07/10/12 15:39	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1		07/10/12 15:39	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.6	1		07/10/12 15:39	99-87-6	
Methylene Chloride	ND	ug/kg	18.3	1		07/10/12 15:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	45.9	1		07/10/12 15:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1		07/10/12 15:39	1634-04-4	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 1 B-3 **Lab ID: 92123374011** Collected: 07/06/12 13:00 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Naphthalene	ND	ug/kg	4.6	1		07/10/12 15:39	91-20-3	
n-Propylbenzene	ND	ug/kg	4.6	1		07/10/12 15:39	103-65-1	
Styrene	ND	ug/kg	4.6	1		07/10/12 15:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.6	1		07/10/12 15:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1		07/10/12 15:39	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1		07/10/12 15:39	127-18-4	
Toluene	ND	ug/kg	4.6	1		07/10/12 15:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	1		07/10/12 15:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1		07/10/12 15:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1		07/10/12 15:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1		07/10/12 15:39	79-00-5	
Trichloroethene	ND	ug/kg	4.6	1		07/10/12 15:39	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	1		07/10/12 15:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.6	1		07/10/12 15:39	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.6	1		07/10/12 15:39	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	1		07/10/12 15:39	108-67-8	
Vinyl acetate	ND	ug/kg	45.9	1		07/10/12 15:39	108-05-4	
Vinyl chloride	ND	ug/kg	9.2	1		07/10/12 15:39	75-01-4	
Xylene (Total)	ND	ug/kg	9.2	1		07/10/12 15:39	1330-20-7	
m&p-Xylene	ND	ug/kg	9.2	1		07/10/12 15:39	179601-23-1	
o-Xylene	ND	ug/kg	4.6	1		07/10/12 15:39	95-47-6	
Surrogates								
Dibromofluoromethane (S)	119	%	70-130	1		07/10/12 15:39	1868-53-7	
Toluene-d8 (S)	101	%	70-130	1		07/10/12 15:39	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130	1		07/10/12 15:39	460-00-4	
1,2-Dichloroethane-d4 (S)	117	%	70-132	1		07/10/12 15:39	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**8.9**	%	0.10	1		07/07/12 08:02		

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 1 B-4 **Lab ID: 92123374012** Collected: 07/06/12 13:30 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**1.7**	mg/kg	0.34	1	07/11/12 07:25	07/11/12 19:07	7440-38-2	
Barium	**60.9**	mg/kg	0.34	1	07/11/12 07:25	07/11/12 19:07	7440-39-3	
Cadmium	**1.3**	mg/kg	0.069	1	07/11/12 07:25	07/11/12 19:07	7440-43-9	
Chromium	**24.4**	mg/kg	0.34	1	07/11/12 07:25	07/11/12 19:07	7440-47-3	
Copper	**12.6**	mg/kg	0.34	1	07/11/12 07:25	07/11/12 19:07	7440-50-8	
Lead	**4.1**	mg/kg	0.34	1	07/11/12 07:25	07/11/12 19:07	7439-92-1	
Manganese	**276**	mg/kg	0.34	1	07/11/12 07:25	07/11/12 19:07	7439-96-5	
Selenium	**1.0**	mg/kg	0.69	1	07/11/12 07:25	07/11/12 19:07	7782-49-2	
Silver	ND	mg/kg	0.34	1	07/11/12 07:25	07/11/12 19:07	7440-22-4	
Zinc	**21.3**	mg/kg	0.69	1	07/11/12 07:25	07/11/12 19:07	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.032**	mg/kg	0.0061	1	07/12/12 11:10	07/12/12 15:38	7439-97-6	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	83-32-9	
Acenaphthylene	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	208-96-8	
Aniline	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	62-53-3	
Anthracene	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	120-12-7	
Benzo(a)anthracene	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	56-55-3	
Benzo(a)pyrene	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	207-08-9	
Benzoic Acid	ND	ug/kg	2030	1	07/09/12 09:12	07/11/12 21:52	65-85-0	
Benzyl alcohol	ND	ug/kg	810	1	07/09/12 09:12	07/11/12 21:52	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	101-55-3	
Butylbenzylphthalate	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	810	1	07/09/12 09:12	07/11/12 21:52	59-50-7	
4-Chloroaniline	ND	ug/kg	2030	1	07/09/12 09:12	07/11/12 21:52	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	108-60-1	
2-Chloronaphthalene	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	91-58-7	
2-Chlorophenol	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	7005-72-3	
Chrysene	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	53-70-3	
Dibenzofuran	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2030	1	07/09/12 09:12	07/11/12 21:52	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	120-83-2	
Diethylphthalate	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	84-66-2	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 1 B-4 **Lab ID: 92123374012** Collected: 07/06/12 13:30 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2,4-Dimethylphenol	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	105-67-9	
Dimethylphthalate	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	131-11-3	
Di-n-butylphthalate	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	810	1	07/09/12 09:12	07/11/12 21:52	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2030	1	07/09/12 09:12	07/11/12 21:52	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	606-20-2	
Di-n-octylphthalate	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	117-81-7	
Fluoranthene	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	206-44-0	
Fluorene	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	87-68-3	
Hexachlorobenzene	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	77-47-4	
Hexachloroethane	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	193-39-5	
Isophorone	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	78-59-1	
1-Methylnaphthalene	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	90-12-0	
2-Methylnaphthalene	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52		
Naphthalene	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	91-20-3	
2-Nitroaniline	ND	ug/kg	2030	1	07/09/12 09:12	07/11/12 21:52	88-74-4	
3-Nitroaniline	ND	ug/kg	2030	1	07/09/12 09:12	07/11/12 21:52	99-09-2	
4-Nitroaniline	ND	ug/kg	810	1	07/09/12 09:12	07/11/12 21:52	100-01-6	
Nitrobenzene	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	98-95-3	
2-Nitrophenol	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	88-75-5	
4-Nitrophenol	ND	ug/kg	2030	1	07/09/12 09:12	07/11/12 21:52	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	86-30-6	
Pentachlorophenol	ND	ug/kg	2030	1	07/09/12 09:12	07/11/12 21:52	87-86-5	
Phenanthrene	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	85-01-8	
Phenol	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	108-95-2	
Pyrene	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	405	1	07/09/12 09:12	07/11/12 21:52	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	52	%	23-110	1	07/09/12 09:12	07/11/12 21:52	4165-60-0	
2-Fluorobiphenyl (S)	47	%	30-110	1	07/09/12 09:12	07/11/12 21:52	321-60-8	
Terphenyl-d14 (S)	59	%	28-110	1	07/09/12 09:12	07/11/12 21:52	1718-51-0	
Phenol-d6 (S)	46	%	22-110	1	07/09/12 09:12	07/11/12 21:52	13127-88-3	
2-Fluorophenol (S)	50	%	13-110	1	07/09/12 09:12	07/11/12 21:52	367-12-4	
2,4,6-Tribromophenol (S)	35	%	27-110	1	07/09/12 09:12	07/11/12 21:52	118-79-6	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 1 B-4 **Lab ID: 92123374012** Collected: 07/06/12 13:30 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	**406**	ug/kg	132	1		07/10/12 15:57	67-64-1	A+
Benzene	ND	ug/kg	6.6	1		07/10/12 15:57	71-43-2	
Bromobenzene	ND	ug/kg	6.6	1		07/10/12 15:57	108-86-1	
Bromochloromethane	ND	ug/kg	6.6	1		07/10/12 15:57	74-97-5	
Bromodichloromethane	ND	ug/kg	6.6	1		07/10/12 15:57	75-27-4	
Bromoform	ND	ug/kg	6.6	1		07/10/12 15:57	75-25-2	
Bromomethane	ND	ug/kg	13.2	1		07/10/12 15:57	74-83-9	
2-Butanone (MEK)	ND	ug/kg	132	1		07/10/12 15:57	78-93-3	
n-Butylbenzene	ND	ug/kg	6.6	1		07/10/12 15:57	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.6	1		07/10/12 15:57	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.6	1		07/10/12 15:57	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.6	1		07/10/12 15:57	56-23-5	
Chlorobenzene	ND	ug/kg	6.6	1		07/10/12 15:57	108-90-7	
Chloroethane	ND	ug/kg	13.2	1		07/10/12 15:57	75-00-3	
Chloroform	ND	ug/kg	6.6	1		07/10/12 15:57	67-66-3	
Chloromethane	ND	ug/kg	13.2	1		07/10/12 15:57	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.6	1		07/10/12 15:57	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.6	1		07/10/12 15:57	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.6	1		07/10/12 15:57	96-12-8	
Dibromochloromethane	ND	ug/kg	6.6	1		07/10/12 15:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.6	1		07/10/12 15:57	106-93-4	
Dibromomethane	ND	ug/kg	6.6	1		07/10/12 15:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.6	1		07/10/12 15:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.6	1		07/10/12 15:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.6	1		07/10/12 15:57	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	13.2	1		07/10/12 15:57	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.6	1		07/10/12 15:57	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.6	1		07/10/12 15:57	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.6	1		07/10/12 15:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.6	1		07/10/12 15:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.6	1		07/10/12 15:57	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.6	1		07/10/12 15:57	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.6	1		07/10/12 15:57	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.6	1		07/10/12 15:57	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.6	1		07/10/12 15:57	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.6	1		07/10/12 15:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.6	1		07/10/12 15:57	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.6	1		07/10/12 15:57	108-20-3	
Ethylbenzene	ND	ug/kg	6.6	1		07/10/12 15:57	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.6	1		07/10/12 15:57	87-68-3	
2-Hexanone	ND	ug/kg	66.0	1		07/10/12 15:57	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.6	1		07/10/12 15:57	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.6	1		07/10/12 15:57	99-87-6	
Methylene Chloride	ND	ug/kg	26.4	1		07/10/12 15:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	66.0	1		07/10/12 15:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.6	1		07/10/12 15:57	1634-04-4	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 1 B-4 **Lab ID: 92123374012** Collected: 07/06/12 13:30 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Naphthalene	ND	ug/kg	6.6	1		07/10/12 15:57	91-20-3	
n-Propylbenzene	ND	ug/kg	6.6	1		07/10/12 15:57	103-65-1	
Styrene	ND	ug/kg	6.6	1		07/10/12 15:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.6	1		07/10/12 15:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.6	1		07/10/12 15:57	79-34-5	
Tetrachloroethene	ND	ug/kg	6.6	1		07/10/12 15:57	127-18-4	
Toluene	ND	ug/kg	6.6	1		07/10/12 15:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.6	1		07/10/12 15:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.6	1		07/10/12 15:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.6	1		07/10/12 15:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.6	1		07/10/12 15:57	79-00-5	
Trichloroethene	ND	ug/kg	6.6	1		07/10/12 15:57	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.6	1		07/10/12 15:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.6	1		07/10/12 15:57	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.6	1		07/10/12 15:57	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.6	1		07/10/12 15:57	108-67-8	
Vinyl acetate	ND	ug/kg	66.0	1		07/10/12 15:57	108-05-4	
Vinyl chloride	ND	ug/kg	13.2	1		07/10/12 15:57	75-01-4	
Xylene (Total)	ND	ug/kg	13.2	1		07/10/12 15:57	1330-20-7	
m&p-Xylene	ND	ug/kg	13.2	1		07/10/12 15:57	179601-23-1	
o-Xylene	ND	ug/kg	6.6	1		07/10/12 15:57	95-47-6	
Surrogates								
Dibromofluoromethane (S)	110	%	70-130	1		07/10/12 15:57	1868-53-7	
Toluene-d8 (S)	101	%	70-130	1		07/10/12 15:57	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130	1		07/10/12 15:57	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-132	1		07/10/12 15:57	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**18.6**	%	0.10	1		07/07/12 08:02		

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 1 B-5 **Lab ID: 92123374013** Collected: 07/06/12 14:00 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**2.2**	mg/kg	0.70	2	07/11/12 07:25	07/12/12 17:20	7440-38-2	
Barium	**138**	mg/kg	0.70	2	07/11/12 07:25	07/12/12 17:20	7440-39-3	
Cadmium	**0.98**	mg/kg	0.14	2	07/11/12 07:25	07/12/12 17:20	7440-43-9	
Chromium	**10.7**	mg/kg	0.70	2	07/11/12 07:25	07/12/12 17:20	7440-47-3	
Copper	**34.8**	mg/kg	0.70	2	07/11/12 07:25	07/12/12 17:20	7440-50-8	
Lead	**6.4**	mg/kg	0.70	2	07/11/12 07:25	07/12/12 17:20	7439-92-1	
Manganese	**945**	mg/kg	0.70	2	07/11/12 07:25	07/12/12 17:20	7439-96-5	
Selenium	ND	mg/kg	1.4	2	07/11/12 07:25	07/12/12 17:20	7782-49-2	D3
Silver	ND	mg/kg	0.70	2	07/11/12 07:25	07/12/12 17:20	7440-22-4	D3
Zinc	**75.9**	mg/kg	1.4	2	07/11/12 07:25	07/12/12 17:20	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.013**	mg/kg	0.0040	1	07/12/12 11:10	07/12/12 15:41	7439-97-6	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	83-32-9	
Acenaphthylene	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	208-96-8	
Aniline	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	62-53-3	
Anthracene	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	120-12-7	
Benzo(a)anthracene	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	56-55-3	
Benzo(a)pyrene	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	207-08-9	
Benzoic Acid	ND	ug/kg	1790	1	07/09/12 09:12	07/12/12 11:35	65-85-0	
Benzyl alcohol	ND	ug/kg	714	1	07/09/12 09:12	07/12/12 11:35	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	101-55-3	
Butylbenzylphthalate	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	714	1	07/09/12 09:12	07/12/12 11:35	59-50-7	
4-Chloroaniline	ND	ug/kg	1790	1	07/09/12 09:12	07/12/12 11:35	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	108-60-1	
2-Chloronaphthalene	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	91-58-7	
2-Chlorophenol	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	7005-72-3	
Chrysene	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	53-70-3	
Dibenzofuran	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1790	1	07/09/12 09:12	07/12/12 11:35	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	120-83-2	
Diethylphthalate	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	84-66-2	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 1 B-5 **Lab ID: 92123374013** Collected: 07/06/12 14:00 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2,4-Dimethylphenol	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	105-67-9	
Dimethylphthalate	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	131-11-3	
Di-n-butylphthalate	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	714	1	07/09/12 09:12	07/12/12 11:35	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1790	1	07/09/12 09:12	07/12/12 11:35	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	606-20-2	
Di-n-octylphthalate	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	117-81-7	
Fluoranthene	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	206-44-0	
Fluorene	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	87-68-3	
Hexachlorobenzene	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	77-47-4	
Hexachloroethane	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	193-39-5	
Isophorone	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	78-59-1	
1-Methylnaphthalene	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	90-12-0	
2-Methylnaphthalene	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35		
Naphthalene	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	91-20-3	
2-Nitroaniline	ND	ug/kg	1790	1	07/09/12 09:12	07/12/12 11:35	88-74-4	
3-Nitroaniline	ND	ug/kg	1790	1	07/09/12 09:12	07/12/12 11:35	99-09-2	
4-Nitroaniline	ND	ug/kg	714	1	07/09/12 09:12	07/12/12 11:35	100-01-6	
Nitrobenzene	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	98-95-3	
2-Nitrophenol	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	88-75-5	
4-Nitrophenol	ND	ug/kg	1790	1	07/09/12 09:12	07/12/12 11:35	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	86-30-6	
Pentachlorophenol	ND	ug/kg	1790	1	07/09/12 09:12	07/12/12 11:35	87-86-5	
Phenanthrene	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	85-01-8	
Phenol	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	108-95-2	
Pyrene	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	357	1	07/09/12 09:12	07/12/12 11:35	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	58	%	23-110	1	07/09/12 09:12	07/12/12 11:35	4165-60-0	
2-Fluorobiphenyl (S)	63	%	30-110	1	07/09/12 09:12	07/12/12 11:35	321-60-8	
Terphenyl-d14 (S)	73	%	28-110	1	07/09/12 09:12	07/12/12 11:35	1718-51-0	
Phenol-d6 (S)	46	%	22-110	1	07/09/12 09:12	07/12/12 11:35	13127-88-3	
2-Fluorophenol (S)	40	%	13-110	1	07/09/12 09:12	07/12/12 11:35	367-12-4	
2,4,6-Tribromophenol (S)	52	%	27-110	1	07/09/12 09:12	07/12/12 11:35	118-79-6	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 1 B-5 **Lab ID: 92123374013** Collected: 07/06/12 14:00 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	85.6	1		07/10/12 16:16	67-64-1	
Benzene	ND	ug/kg	4.3	1		07/10/12 16:16	71-43-2	
Bromobenzene	ND	ug/kg	4.3	1		07/10/12 16:16	108-86-1	
Bromochloromethane	ND	ug/kg	4.3	1		07/10/12 16:16	74-97-5	
Bromodichloromethane	ND	ug/kg	4.3	1		07/10/12 16:16	75-27-4	
Bromoform	ND	ug/kg	4.3	1		07/10/12 16:16	75-25-2	
Bromomethane	ND	ug/kg	8.6	1		07/10/12 16:16	74-83-9	
2-Butanone (MEK)	ND	ug/kg	85.6	1		07/10/12 16:16	78-93-3	
n-Butylbenzene	ND	ug/kg	4.3	1		07/10/12 16:16	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.3	1		07/10/12 16:16	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.3	1		07/10/12 16:16	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.3	1		07/10/12 16:16	56-23-5	
Chlorobenzene	ND	ug/kg	4.3	1		07/10/12 16:16	108-90-7	
Chloroethane	ND	ug/kg	8.6	1		07/10/12 16:16	75-00-3	
Chloroform	ND	ug/kg	4.3	1		07/10/12 16:16	67-66-3	
Chloromethane	ND	ug/kg	8.6	1		07/10/12 16:16	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.3	1		07/10/12 16:16	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.3	1		07/10/12 16:16	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.3	1		07/10/12 16:16	96-12-8	
Dibromochloromethane	ND	ug/kg	4.3	1		07/10/12 16:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.3	1		07/10/12 16:16	106-93-4	
Dibromomethane	ND	ug/kg	4.3	1		07/10/12 16:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.3	1		07/10/12 16:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.3	1		07/10/12 16:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.3	1		07/10/12 16:16	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.6	1		07/10/12 16:16	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.3	1		07/10/12 16:16	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.3	1		07/10/12 16:16	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.3	1		07/10/12 16:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.3	1		07/10/12 16:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.3	1		07/10/12 16:16	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.3	1		07/10/12 16:16	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.3	1		07/10/12 16:16	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.3	1		07/10/12 16:16	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.3	1		07/10/12 16:16	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.3	1		07/10/12 16:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.3	1		07/10/12 16:16	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.3	1		07/10/12 16:16	108-20-3	
Ethylbenzene	ND	ug/kg	4.3	1		07/10/12 16:16	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.3	1		07/10/12 16:16	87-68-3	
2-Hexanone	ND	ug/kg	42.8	1		07/10/12 16:16	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.3	1		07/10/12 16:16	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.3	1		07/10/12 16:16	99-87-6	
Methylene Chloride	ND	ug/kg	17.1	1		07/10/12 16:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	42.8	1		07/10/12 16:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.3	1		07/10/12 16:16	1634-04-4	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 1 B-5 **Lab ID: 92123374013** Collected: 07/06/12 14:00 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Naphthalene	ND	ug/kg	4.3	1		07/10/12 16:16	91-20-3	
n-Propylbenzene	ND	ug/kg	4.3	1		07/10/12 16:16	103-65-1	
Styrene	ND	ug/kg	4.3	1		07/10/12 16:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.3	1		07/10/12 16:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.3	1		07/10/12 16:16	79-34-5	
Tetrachloroethene	ND	ug/kg	4.3	1		07/10/12 16:16	127-18-4	
Toluene	ND	ug/kg	4.3	1		07/10/12 16:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.3	1		07/10/12 16:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.3	1		07/10/12 16:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.3	1		07/10/12 16:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.3	1		07/10/12 16:16	79-00-5	
Trichloroethene	ND	ug/kg	4.3	1		07/10/12 16:16	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.3	1		07/10/12 16:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.3	1		07/10/12 16:16	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.3	1		07/10/12 16:16	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.3	1		07/10/12 16:16	108-67-8	
Vinyl acetate	ND	ug/kg	42.8	1		07/10/12 16:16	108-05-4	
Vinyl chloride	ND	ug/kg	8.6	1		07/10/12 16:16	75-01-4	
Xylene (Total)	ND	ug/kg	8.6	1		07/10/12 16:16	1330-20-7	
m&p-Xylene	ND	ug/kg	8.6	1		07/10/12 16:16	179601-23-1	
o-Xylene	ND	ug/kg	4.3	1		07/10/12 16:16	95-47-6	
Surrogates								
Dibromofluoromethane (S)	123	%	70-130	1		07/10/12 16:16	1868-53-7	
Toluene-d8 (S)	103	%	70-130	1		07/10/12 16:16	2037-26-5	
4-Bromofluorobenzene (S)	92	%	70-130	1		07/10/12 16:16	460-00-4	
1,2-Dichloroethane-d4 (S)	124	%	70-132	1		07/10/12 16:16	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**7.6**	%	0.10	1		07/07/12 08:02		

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 1 B-6 **Lab ID: 92123374014** Collected: 07/06/12 14:30 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**2.3**	mg/kg	0.41	1	07/11/12 07:25	07/11/12 19:13	7440-38-2	
Barium	**93.5**	mg/kg	0.41	1	07/11/12 07:25	07/11/12 19:13	7440-39-3	
Cadmium	**1.4**	mg/kg	0.081	1	07/11/12 07:25	07/11/12 19:13	7440-43-9	
Chromium	**54.8**	mg/kg	0.41	1	07/11/12 07:25	07/11/12 19:13	7440-47-3	
Copper	**39.3**	mg/kg	0.41	1	07/11/12 07:25	07/11/12 19:13	7440-50-8	
Lead	**7.1**	mg/kg	0.41	1	07/11/12 07:25	07/11/12 19:13	7439-92-1	
Manganese	**334**	mg/kg	0.41	1	07/11/12 07:25	07/11/12 19:13	7439-96-5	
Selenium	**0.98**	mg/kg	0.81	1	07/11/12 07:25	07/11/12 19:13	7782-49-2	
Silver	ND	mg/kg	0.41	1	07/11/12 07:25	07/11/12 19:13	7440-22-4	
Zinc	**32.6**	mg/kg	0.81	1	07/11/12 07:25	07/11/12 19:13	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.044**	mg/kg	0.0059	1	07/12/12 11:10	07/12/12 15:44	7439-97-6	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	83-32-9	
Acenaphthylene	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	208-96-8	
Aniline	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	62-53-3	
Anthracene	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	120-12-7	
Benzo(a)anthracene	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	56-55-3	
Benzo(a)pyrene	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	207-08-9	
Benzoic Acid	ND	ug/kg	2090	1	07/09/12 09:12	07/12/12 12:03	65-85-0	
Benzyl alcohol	ND	ug/kg	836	1	07/09/12 09:12	07/12/12 12:03	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	101-55-3	
Butylbenzylphthalate	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	836	1	07/09/12 09:12	07/12/12 12:03	59-50-7	
4-Chloroaniline	ND	ug/kg	2090	1	07/09/12 09:12	07/12/12 12:03	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	108-60-1	
2-Chloronaphthalene	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	91-58-7	
2-Chlorophenol	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	7005-72-3	
Chrysene	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	53-70-3	
Dibenzofuran	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2090	1	07/09/12 09:12	07/12/12 12:03	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	120-83-2	
Diethylphthalate	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	84-66-2	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 1 B-6 **Lab ID: 92123374014** Collected: 07/06/12 14:30 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2,4-Dimethylphenol	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	105-67-9	
Dimethylphthalate	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	131-11-3	
Di-n-butylphthalate	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	836	1	07/09/12 09:12	07/12/12 12:03	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2090	1	07/09/12 09:12	07/12/12 12:03	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	606-20-2	
Di-n-octylphthalate	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	117-81-7	
Fluoranthene	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	206-44-0	
Fluorene	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	87-68-3	
Hexachlorobenzene	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	77-47-4	
Hexachloroethane	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	193-39-5	
Isophorone	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	78-59-1	
1-Methylnaphthalene	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	90-12-0	
2-Methylnaphthalene	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03		
Naphthalene	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	91-20-3	
2-Nitroaniline	ND	ug/kg	2090	1	07/09/12 09:12	07/12/12 12:03	88-74-4	
3-Nitroaniline	ND	ug/kg	2090	1	07/09/12 09:12	07/12/12 12:03	99-09-2	
4-Nitroaniline	ND	ug/kg	836	1	07/09/12 09:12	07/12/12 12:03	100-01-6	
Nitrobenzene	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	98-95-3	
2-Nitrophenol	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	88-75-5	
4-Nitrophenol	ND	ug/kg	2090	1	07/09/12 09:12	07/12/12 12:03	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	86-30-6	
Pentachlorophenol	ND	ug/kg	2090	1	07/09/12 09:12	07/12/12 12:03	87-86-5	
Phenanthrene	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	85-01-8	
Phenol	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	108-95-2	
Pyrene	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	418	1	07/09/12 09:12	07/12/12 12:03	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	44	%	23-110	1	07/09/12 09:12	07/12/12 12:03	4165-60-0	
2-Fluorobiphenyl (S)	42	%	30-110	1	07/09/12 09:12	07/12/12 12:03	321-60-8	
Terphenyl-d14 (S)	38	%	28-110	1	07/09/12 09:12	07/12/12 12:03	1718-51-0	
Phenol-d6 (S)	28	%	22-110	1	07/09/12 09:12	07/12/12 12:03	13127-88-3	
2-Fluorophenol (S)	28	%	13-110	1	07/09/12 09:12	07/12/12 12:03	367-12-4	
2,4,6-Tribromophenol (S)	27	%	27-110	1	07/09/12 09:12	07/12/12 12:03	118-79-6	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 1 B-6 **Lab ID: 92123374014** Collected: 07/06/12 14:30 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	**256**	ug/kg	120	1		07/10/12 16:34	67-64-1	A+
Benzene	ND	ug/kg	6.0	1		07/10/12 16:34	71-43-2	
Bromobenzene	ND	ug/kg	6.0	1		07/10/12 16:34	108-86-1	
Bromochloromethane	ND	ug/kg	6.0	1		07/10/12 16:34	74-97-5	
Bromodichloromethane	ND	ug/kg	6.0	1		07/10/12 16:34	75-27-4	
Bromoform	ND	ug/kg	6.0	1		07/10/12 16:34	75-25-2	
Bromomethane	ND	ug/kg	12.0	1		07/10/12 16:34	74-83-9	
2-Butanone (MEK)	ND	ug/kg	120	1		07/10/12 16:34	78-93-3	
n-Butylbenzene	ND	ug/kg	6.0	1		07/10/12 16:34	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.0	1		07/10/12 16:34	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.0	1		07/10/12 16:34	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.0	1		07/10/12 16:34	56-23-5	
Chlorobenzene	ND	ug/kg	6.0	1		07/10/12 16:34	108-90-7	
Chloroethane	ND	ug/kg	12.0	1		07/10/12 16:34	75-00-3	
Chloroform	ND	ug/kg	6.0	1		07/10/12 16:34	67-66-3	
Chloromethane	ND	ug/kg	12.0	1		07/10/12 16:34	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.0	1		07/10/12 16:34	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.0	1		07/10/12 16:34	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.0	1		07/10/12 16:34	96-12-8	
Dibromochloromethane	ND	ug/kg	6.0	1		07/10/12 16:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.0	1		07/10/12 16:34	106-93-4	
Dibromomethane	ND	ug/kg	6.0	1		07/10/12 16:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.0	1		07/10/12 16:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.0	1		07/10/12 16:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.0	1		07/10/12 16:34	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.0	1		07/10/12 16:34	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.0	1		07/10/12 16:34	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.0	1		07/10/12 16:34	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.0	1		07/10/12 16:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.0	1		07/10/12 16:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.0	1		07/10/12 16:34	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.0	1		07/10/12 16:34	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.0	1		07/10/12 16:34	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.0	1		07/10/12 16:34	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.0	1		07/10/12 16:34	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.0	1		07/10/12 16:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.0	1		07/10/12 16:34	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.0	1		07/10/12 16:34	108-20-3	
Ethylbenzene	ND	ug/kg	6.0	1		07/10/12 16:34	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.0	1		07/10/12 16:34	87-68-3	
2-Hexanone	ND	ug/kg	60.2	1		07/10/12 16:34	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.0	1		07/10/12 16:34	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.0	1		07/10/12 16:34	99-87-6	
Methylene Chloride	ND	ug/kg	24.1	1		07/10/12 16:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	60.2	1		07/10/12 16:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.0	1		07/10/12 16:34	1634-04-4	

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ANALYTICAL RESULTS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Sample: 1 B-6 **Lab ID: 92123374014** Collected: 07/06/12 14:30 Received: 07/06/12 16:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Naphthalene	ND	ug/kg	6.0	1		07/10/12 16:34	91-20-3	
n-Propylbenzene	ND	ug/kg	6.0	1		07/10/12 16:34	103-65-1	
Styrene	ND	ug/kg	6.0	1		07/10/12 16:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.0	1		07/10/12 16:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.0	1		07/10/12 16:34	79-34-5	
Tetrachloroethene	ND	ug/kg	6.0	1		07/10/12 16:34	127-18-4	
Toluene	ND	ug/kg	6.0	1		07/10/12 16:34	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.0	1		07/10/12 16:34	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.0	1		07/10/12 16:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.0	1		07/10/12 16:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.0	1		07/10/12 16:34	79-00-5	
Trichloroethene	ND	ug/kg	6.0	1		07/10/12 16:34	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.0	1		07/10/12 16:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.0	1		07/10/12 16:34	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.0	1		07/10/12 16:34	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.0	1		07/10/12 16:34	108-67-8	
Vinyl acetate	ND	ug/kg	60.2	1		07/10/12 16:34	108-05-4	
Vinyl chloride	ND	ug/kg	12.0	1		07/10/12 16:34	75-01-4	
Xylene (Total)	ND	ug/kg	12.0	1		07/10/12 16:34	1330-20-7	
m&p-Xylene	ND	ug/kg	12.0	1		07/10/12 16:34	179601-23-1	
o-Xylene	ND	ug/kg	6.0	1		07/10/12 16:34	95-47-6	
Surrogates								
Dibromofluoromethane (S)	112	%	70-130	1		07/10/12 16:34	1868-53-7	
Toluene-d8 (S)	103	%	70-130	1		07/10/12 16:34	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130	1		07/10/12 16:34	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-132	1		07/10/12 16:34	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**21.0**	%	0.10	1		07/07/12 08:03		

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QUALITY CONTROL DATA

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

QC Batch: MERP/4348 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 92123374009, 92123374010, 92123374011, 92123374012, 92123374013, 92123374014

METHOD BLANK: 792602 Matrix: Solid
Associated Lab Samples: 92123374009, 92123374010, 92123374011, 92123374012, 92123374013, 92123374014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.0050	07/12/12 15:07	

LABORATORY CONTROL SAMPLE: 792603

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.061	92	80-120	

MATRIX SPIKE SAMPLE: 792604

Parameter	Units	92120686013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.0065	.038	0.038	85	75-125	H1,H2

SAMPLE DUPLICATE: 792605

Parameter	Units	92120686017 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	0.0064	0.0081	23	D6,H1,H2

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QUALITY CONTROL DATA

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

QC Batch: MPRP/10977 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 92123374001, 92123374002, 92123374003, 92123374004, 92123374005, 92123374006, 92123374007, 92123374008, 92123374009, 92123374010, 92123374011, 92123374012, 92123374013, 92123374014

METHOD BLANK: 792144 Matrix: Solid
Associated Lab Samples: 92123374001, 92123374002, 92123374003, 92123374004, 92123374005, 92123374006, 92123374007, 92123374008, 92123374009, 92123374010, 92123374011, 92123374012, 92123374013, 92123374014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.50	07/11/12 17:49	
Barium	mg/kg	ND	0.50	07/11/12 17:49	
Cadmium	mg/kg	ND	0.10	07/11/12 17:49	
Chromium	mg/kg	ND	0.50	07/11/12 17:49	
Copper	mg/kg	ND	0.50	07/11/12 17:49	
Lead	mg/kg	ND	0.50	07/11/12 17:49	
Manganese	mg/kg	ND	0.50	07/11/12 17:49	
Selenium	mg/kg	ND	1.0	07/11/12 17:49	
Silver	mg/kg	ND	0.50	07/11/12 17:49	
Zinc	mg/kg	ND	1.0	07/11/12 17:49	

LABORATORY CONTROL SAMPLE: 792145

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	49.5	99	80-120	
Barium	mg/kg	50	49.4	99	80-120	
Cadmium	mg/kg	50	49.5	99	80-120	
Chromium	mg/kg	50	49.4	99	80-120	
Copper	mg/kg	50	50.9	102	80-120	
Lead	mg/kg	50	49.0	98	80-120	
Manganese	mg/kg	50	49.5	99	80-120	
Selenium	mg/kg	50	49.6	99	80-120	
Silver	mg/kg	25	24.8	99	80-120	
Zinc	mg/kg	50	49.5	99	80-120	

MATRIX SPIKE SAMPLE: 792146

Parameter	Units	92123352001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	1.4	49	38.1	75	75-125	
Barium	mg/kg	38.8	49	76.2	76	75-125	
Cadmium	mg/kg	0.59	49	46.9	95	75-125	
Chromium	mg/kg	25.1	49	66.3	84	75-125	
Copper	mg/kg	22.6	49	66.1	89	75-125	
Lead	mg/kg	6.3	49	49.8	89	75-125	
Manganese	mg/kg	215	49	278	130	75-125	M1
Selenium	mg/kg	ND	49	30.6	61	75-125	M1
Silver	mg/kg	ND	24.4	23.2	95	75-125	
Zinc	mg/kg	8.3	49	53.6	93	75-125	

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QUALITY CONTROL DATA

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

SAMPLE DUPLICATE: 792148

Parameter	Units	92123352002 Result	Dup Result	RPD	Qualifiers
Arsenic	mg/kg	1.1	1.2	10	
Barium	mg/kg	46.5	45.9	1	
Cadmium	mg/kg	0.57	0.56	2	
Chromium	mg/kg	17.6	12.5	34	D6
Copper	mg/kg	13.1	15.2	14	
Lead	mg/kg	11.7	9.2	23	D6
Manganese	mg/kg	924	643	36	D6
Selenium	mg/kg	ND	ND		
Silver	mg/kg	ND	ND		
Zinc	mg/kg	9.7	11.9	21	D6

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QUALITY CONTROL DATA

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

QC Batch: MSV/19718 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92123374001, 92123374002, 92123374003, 92123374004, 92123374005, 92123374006, 92123374008, 92123374009, 92123374010, 92123374011, 92123374012, 92123374013, 92123374014

METHOD BLANK: 791405 Matrix: Solid
Associated Lab Samples: 92123374001, 92123374002, 92123374003, 92123374004, 92123374005, 92123374006, 92123374008, 92123374009, 92123374010, 92123374011, 92123374012, 92123374013, 92123374014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	6.4	07/10/12 10:42	
1,1,1-Trichloroethane	ug/kg	ND	6.4	07/10/12 10:42	
1,1,2,2-Tetrachloroethane	ug/kg	ND	6.4	07/10/12 10:42	
1,1,2-Trichloroethane	ug/kg	ND	6.4	07/10/12 10:42	
1,1-Dichloroethane	ug/kg	ND	6.4	07/10/12 10:42	
1,1-Dichloroethene	ug/kg	ND	6.4	07/10/12 10:42	
1,1-Dichloropropene	ug/kg	ND	6.4	07/10/12 10:42	
1,2,3-Trichlorobenzene	ug/kg	ND	6.4	07/10/12 10:42	
1,2,3-Trichloropropane	ug/kg	ND	6.4	07/10/12 10:42	
1,2,4-Trichlorobenzene	ug/kg	ND	6.4	07/10/12 10:42	
1,2,4-Trimethylbenzene	ug/kg	ND	6.4	07/10/12 10:42	
1,2-Dibromo-3-chloropropane	ug/kg	ND	6.4	07/10/12 10:42	
1,2-Dibromoethane (EDB)	ug/kg	ND	6.4	07/10/12 10:42	
1,2-Dichlorobenzene	ug/kg	ND	6.4	07/10/12 10:42	
1,2-Dichloroethane	ug/kg	ND	6.4	07/10/12 10:42	
1,2-Dichloropropane	ug/kg	ND	6.4	07/10/12 10:42	
1,3,5-Trimethylbenzene	ug/kg	ND	6.4	07/10/12 10:42	
1,3-Dichlorobenzene	ug/kg	ND	6.4	07/10/12 10:42	
1,3-Dichloropropane	ug/kg	ND	6.4	07/10/12 10:42	
1,4-Dichlorobenzene	ug/kg	ND	6.4	07/10/12 10:42	
2,2-Dichloropropane	ug/kg	ND	6.4	07/10/12 10:42	
2-Butanone (MEK)	ug/kg	ND	128	07/10/12 10:42	
2-Chlorotoluene	ug/kg	ND	6.4	07/10/12 10:42	
2-Hexanone	ug/kg	ND	63.8	07/10/12 10:42	
4-Chlorotoluene	ug/kg	ND	6.4	07/10/12 10:42	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	63.8	07/10/12 10:42	
Acetone	ug/kg	ND	128	07/10/12 10:42	
Benzene	ug/kg	ND	6.4	07/10/12 10:42	
Bromobenzene	ug/kg	ND	6.4	07/10/12 10:42	
Bromochloromethane	ug/kg	ND	6.4	07/10/12 10:42	
Bromodichloromethane	ug/kg	ND	6.4	07/10/12 10:42	
Bromoform	ug/kg	ND	6.4	07/10/12 10:42	
Bromomethane	ug/kg	ND	12.8	07/10/12 10:42	
Carbon tetrachloride	ug/kg	ND	6.4	07/10/12 10:42	
Chlorobenzene	ug/kg	ND	6.4	07/10/12 10:42	
Chloroethane	ug/kg	ND	12.8	07/10/12 10:42	
Chloroform	ug/kg	ND	6.4	07/10/12 10:42	
Chloromethane	ug/kg	ND	12.8	07/10/12 10:42	
cis-1,2-Dichloroethene	ug/kg	ND	6.4	07/10/12 10:42	
cis-1,3-Dichloropropene	ug/kg	ND	6.4	07/10/12 10:42	
Dibromochloromethane	ug/kg	ND	6.4	07/10/12 10:42	

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QUALITY CONTROL DATA

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

METHOD BLANK: 791405 Matrix: Solid

Associated Lab Samples: 92123374001, 92123374002, 92123374003, 92123374004, 92123374005, 92123374006, 92123374008, 92123374009, 92123374010, 92123374011, 92123374012, 92123374013, 92123374014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	ND	6.4	07/10/12 10:42	
Dichlorodifluoromethane	ug/kg	ND	12.8	07/10/12 10:42	
Diisopropyl ether	ug/kg	ND	6.4	07/10/12 10:42	
Ethylbenzene	ug/kg	ND	6.4	07/10/12 10:42	
Hexachloro-1,3-butadiene	ug/kg	ND	6.4	07/10/12 10:42	
Isopropylbenzene (Cumene)	ug/kg	ND	6.4	07/10/12 10:42	
m&p-Xylene	ug/kg	ND	12.8	07/10/12 10:42	
Methyl-tert-butyl ether	ug/kg	ND	6.4	07/10/12 10:42	
Methylene Chloride	ug/kg	ND	25.5	07/10/12 10:42	
n-Butylbenzene	ug/kg	ND	6.4	07/10/12 10:42	
n-Propylbenzene	ug/kg	ND	6.4	07/10/12 10:42	
Naphthalene	ug/kg	ND	6.4	07/10/12 10:42	
o-Xylene	ug/kg	ND	6.4	07/10/12 10:42	
p-Isopropyltoluene	ug/kg	ND	6.4	07/10/12 10:42	
sec-Butylbenzene	ug/kg	ND	6.4	07/10/12 10:42	
Styrene	ug/kg	ND	6.4	07/10/12 10:42	
tert-Butylbenzene	ug/kg	ND	6.4	07/10/12 10:42	
Tetrachloroethene	ug/kg	ND	6.4	07/10/12 10:42	
Toluene	ug/kg	ND	6.4	07/10/12 10:42	
trans-1,2-Dichloroethene	ug/kg	ND	6.4	07/10/12 10:42	
trans-1,3-Dichloropropene	ug/kg	ND	6.4	07/10/12 10:42	
Trichloroethene	ug/kg	ND	6.4	07/10/12 10:42	
Trichlorofluoromethane	ug/kg	ND	6.4	07/10/12 10:42	
Vinyl acetate	ug/kg	ND	63.8	07/10/12 10:42	
Vinyl chloride	ug/kg	ND	12.8	07/10/12 10:42	
Xylene (Total)	ug/kg	ND	12.8	07/10/12 10:42	
1,2-Dichloroethane-d4 (S)	%	103	70-132	07/10/12 10:42	
4-Bromofluorobenzene (S)	%	94	70-130	07/10/12 10:42	
Dibromofluoromethane (S)	%	105	70-130	07/10/12 10:42	
Toluene-d8 (S)	%	101	70-130	07/10/12 10:42	

LABORATORY CONTROL SAMPLE: 791406

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	53.9	48.7	90	70-131	
1,1,1-Trichloroethane	ug/kg	53.9	38.4	71	70-141	
1,1,2,2-Tetrachloroethane	ug/kg	53.9	48.4	90	70-130	
1,1,2-Trichloroethane	ug/kg	53.9	49.4	92	70-132	
1,1-Dichloroethane	ug/kg	53.9	38.7	72	70-143	
1,1-Dichloroethene	ug/kg	53.9	40.2	75	70-137	
1,1-Dichloropropene	ug/kg	53.9	39.6	74	70-135	
1,2,3-Trichlorobenzene	ug/kg	53.9	53.5	99	69-153	
1,2,3-Trichloropropane	ug/kg	53.9	48.1	89	70-130	
1,2,4-Trichlorobenzene	ug/kg	53.9	54.9	102	55-171	

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QUALITY CONTROL DATA

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

LABORATORY CONTROL SAMPLE: 791406

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	53.9	53.0	98	70-149	
1,2-Dibromo-3-chloropropane	ug/kg	53.9	47.2	88	68-141	
1,2-Dibromoethane (EDB)	ug/kg	53.9	47.0	87	70-130	
1,2-Dichlorobenzene	ug/kg	53.9	52.9	98	70-140	
1,2-Dichloroethane	ug/kg	53.9	41.8	78	70-137	
1,2-Dichloropropane	ug/kg	53.9	47.0	87	70-133	
1,3,5-Trimethylbenzene	ug/kg	53.9	51.5	95	70-143	
1,3-Dichlorobenzene	ug/kg	53.9	51.6	96	70-144	
1,3-Dichloropropane	ug/kg	53.9	49.1	91	70-132	
1,4-Dichlorobenzene	ug/kg	53.9	51.6	96	70-142	
2,2-Dichloropropane	ug/kg	53.9	38.0	70	68-152	
2-Butanone (MEK)	ug/kg	108	91.5J	85	70-149	
2-Chlorotoluene	ug/kg	53.9	49.9	93	70-141	
2-Hexanone	ug/kg	108	104	97	70-149	
4-Chlorotoluene	ug/kg	53.9	53.2	99	70-149	
4-Methyl-2-pentanone (MIBK)	ug/kg	108	102	94	70-153	
Acetone	ug/kg	108	98.3J	91	70-157	
Benzene	ug/kg	53.9	45.1	84	70-130	
Bromobenzene	ug/kg	53.9	51.7	96	70-141	
Bromochloromethane	ug/kg	53.9	42.1	78	70-149	
Bromodichloromethane	ug/kg	53.9	47.0	87	70-130	
Bromoform	ug/kg	53.9	49.1	91	70-131	
Bromomethane	ug/kg	53.9	42.1	78	64-136	
Carbon tetrachloride	ug/kg	53.9	43.3	80	70-154	
Chlorobenzene	ug/kg	53.9	46.2	86	70-135	
Chloroethane	ug/kg	53.9	45.3	84	68-151	
Chloroform	ug/kg	53.9	43.3	80	70-130	
Chloromethane	ug/kg	53.9	42.1	78	70-132	
cis-1,2-Dichloroethene	ug/kg	53.9	41.8	78	70-140	
cis-1,3-Dichloropropene	ug/kg	53.9	47.3	88	70-137	
Dibromochloromethane	ug/kg	53.9	48.4	90	70-130	
Dibromomethane	ug/kg	53.9	46.6	86	70-136	
Dichlorodifluoromethane	ug/kg	53.9	38.1	71	36-148	
Diisopropyl ether	ug/kg	53.9	46.2	86	70-139	
Ethylbenzene	ug/kg	53.9	48.0	89	70-137	
Hexachloro-1,3-butadiene	ug/kg	53.9	52.4	97	70-145	
Isopropylbenzene (Cumene)	ug/kg	53.9	44.3	82	70-141	
m&p-Xylene	ug/kg	108	95.5	89	70-140	
Methyl-tert-butyl ether	ug/kg	53.9	45.7	85	45-150	
Methylene Chloride	ug/kg	53.9	44.0	82	70-133	
n-Butylbenzene	ug/kg	53.9	53.9	100	65-155	
n-Propylbenzene	ug/kg	53.9	49.6	92	70-148	
Naphthalene	ug/kg	53.9	54.8	102	70-148	
o-Xylene	ug/kg	53.9	47.7	89	70-141	
p-Isopropyltoluene	ug/kg	53.9	54.8	102	70-148	
sec-Butylbenzene	ug/kg	53.9	51.5	96	70-145	
Styrene	ug/kg	53.9	49.8	92	70-138	
tert-Butylbenzene	ug/kg	53.9	51.1	95	70-143	

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QUALITY CONTROL DATA

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

LABORATORY CONTROL SAMPLE: 791406

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/kg	53.9	44.1	82	70-140	
Toluene	ug/kg	53.9	45.8	85	70-130	
trans-1,2-Dichloroethene	ug/kg	53.9	40.9	76	70-136	
trans-1,3-Dichloropropene	ug/kg	53.9	49.0	91	70-138	
Trichloroethene	ug/kg	53.9	44.5	83	70-132	
Trichlorofluoromethane	ug/kg	53.9	46.0	85	69-134	
Vinyl acetate	ug/kg	108	133	124	24-161	
Vinyl chloride	ug/kg	53.9	40.8	76	55-140	
Xylene (Total)	ug/kg	162	143	89	70-141	
1,2-Dichloroethane-d4 (S)	%			94	70-132	
4-Bromofluorobenzene (S)	%			95	70-130	
Dibromofluoromethane (S)	%			96	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 791693

Parameter	Units	92123374008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/kg	ND	55.8	57.6	103	49-180	
Benzene	ug/kg	ND	55.8	45.8	82	50-166	
Chlorobenzene	ug/kg	ND	55.8	49.8	89	43-169	
Toluene	ug/kg	ND	55.8	52.4	94	52-163	
Trichloroethene	ug/kg	ND	55.8	50.2	90	49-167	
1,2-Dichloroethane-d4 (S)	%				113	70-132	
4-Bromofluorobenzene (S)	%				92	70-130	
Dibromofluoromethane (S)	%				111	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 791692

Parameter	Units	92123374001 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		
1,1,1-Trichloroethane	ug/kg	ND	ND		
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND		
1,1,2-Trichloroethane	ug/kg	ND	ND		
1,1-Dichloroethane	ug/kg	ND	ND		
1,1-Dichloroethene	ug/kg	ND	ND		
1,1-Dichloropropene	ug/kg	ND	ND		
1,2,3-Trichlorobenzene	ug/kg	ND	ND		
1,2,3-Trichloropropane	ug/kg	ND	ND		
1,2,4-Trichlorobenzene	ug/kg	ND	ND		
1,2,4-Trimethylbenzene	ug/kg	ND	ND		
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		
1,2-Dichlorobenzene	ug/kg	ND	ND		
1,2-Dichloroethane	ug/kg	ND	ND		

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QUALITY CONTROL DATA

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

SAMPLE DUPLICATE: 791692

Parameter	Units	92123374001 Result	Dup Result	RPD	Qualifiers
1,2-Dichloropropane	ug/kg	ND	ND		
1,3,5-Trimethylbenzene	ug/kg	ND	ND		
1,3-Dichlorobenzene	ug/kg	ND	ND		
1,3-Dichloropropane	ug/kg	ND	ND		
1,4-Dichlorobenzene	ug/kg	ND	ND		
2,2-Dichloropropane	ug/kg	ND	ND		
2-Butanone (MEK)	ug/kg	ND	ND		
2-Chlorotoluene	ug/kg	ND	ND		
2-Hexanone	ug/kg	ND	ND		
4-Chlorotoluene	ug/kg	ND	ND		
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		
Acetone	ug/kg	ND	ND		
Benzene	ug/kg	ND	ND		
Bromobenzene	ug/kg	ND	ND		
Bromochloromethane	ug/kg	ND	ND		
Bromodichloromethane	ug/kg	ND	ND		
Bromoform	ug/kg	ND	ND		
Bromomethane	ug/kg	ND	ND		
Carbon tetrachloride	ug/kg	ND	ND		
Chlorobenzene	ug/kg	ND	ND		
Chloroethane	ug/kg	ND	ND		
Chloroform	ug/kg	ND	ND		
Chloromethane	ug/kg	ND	ND		
cis-1,2-Dichloroethene	ug/kg	ND	ND		
cis-1,3-Dichloropropene	ug/kg	ND	ND		
Dibromochloromethane	ug/kg	ND	ND		
Dibromomethane	ug/kg	ND	ND		
Dichlorodifluoromethane	ug/kg	ND	ND		
Diisopropyl ether	ug/kg	ND	ND		
Ethylbenzene	ug/kg	ND	ND		
Hexachloro-1,3-butadiene	ug/kg	ND	ND		
Isopropylbenzene (Cumene)	ug/kg	ND	ND		
m&p-Xylene	ug/kg	ND	ND		
Methyl-tert-butyl ether	ug/kg	ND	ND		
Methylene Chloride	ug/kg	ND	ND		
n-Butylbenzene	ug/kg	ND	ND		
n-Propylbenzene	ug/kg	ND	ND		
Naphthalene	ug/kg	ND	ND		
o-Xylene	ug/kg	ND	ND		
p-Isopropyltoluene	ug/kg	ND	ND		
sec-Butylbenzene	ug/kg	ND	ND		
Styrene	ug/kg	ND	ND		
tert-Butylbenzene	ug/kg	ND	ND		
Tetrachloroethene	ug/kg	ND	ND		
Toluene	ug/kg	ND	ND		
trans-1,2-Dichloroethene	ug/kg	ND	ND		
trans-1,3-Dichloropropene	ug/kg	ND	ND		
Trichloroethene	ug/kg	ND	ND		

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QUALITY CONTROL DATA

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

SAMPLE DUPLICATE: 791692

Parameter	Units	92123374001 Result	Dup Result	RPD	Qualifiers
Trichlorofluoromethane	ug/kg	ND	ND		
Vinyl acetate	ug/kg	ND	ND		
Vinyl chloride	ug/kg	ND	ND		
Xylene (Total)	ug/kg	ND	ND		
1,2-Dichloroethane-d4 (S)	%	112	113	18	
4-Bromofluorobenzene (S)	%	93	92	16	
Dibromofluoromethane (S)	%	113	116	20	
Toluene-d8 (S)	%	102	103	18	

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QUALITY CONTROL DATA

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

QC Batch: MSV/19733
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92123374007

METHOD BLANK: 792311
Matrix: Solid
Associated Lab Samples: 92123374007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.7	07/11/12 12:06	
1,1,1-Trichloroethane	ug/kg	ND	5.7	07/11/12 12:06	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.7	07/11/12 12:06	
1,1,2-Trichloroethane	ug/kg	ND	5.7	07/11/12 12:06	
1,1-Dichloroethane	ug/kg	ND	5.7	07/11/12 12:06	
1,1-Dichloroethene	ug/kg	ND	5.7	07/11/12 12:06	
1,1-Dichloropropene	ug/kg	ND	5.7	07/11/12 12:06	
1,2,3-Trichlorobenzene	ug/kg	ND	5.7	07/11/12 12:06	
1,2,3-Trichloropropane	ug/kg	ND	5.7	07/11/12 12:06	
1,2,4-Trichlorobenzene	ug/kg	ND	5.7	07/11/12 12:06	
1,2,4-Trimethylbenzene	ug/kg	ND	5.7	07/11/12 12:06	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.7	07/11/12 12:06	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.7	07/11/12 12:06	
1,2-Dichlorobenzene	ug/kg	ND	5.7	07/11/12 12:06	
1,2-Dichloroethane	ug/kg	ND	5.7	07/11/12 12:06	
1,2-Dichloropropane	ug/kg	ND	5.7	07/11/12 12:06	
1,3,5-Trimethylbenzene	ug/kg	ND	5.7	07/11/12 12:06	
1,3-Dichlorobenzene	ug/kg	ND	5.7	07/11/12 12:06	
1,3-Dichloropropane	ug/kg	ND	5.7	07/11/12 12:06	
1,4-Dichlorobenzene	ug/kg	ND	5.7	07/11/12 12:06	
2,2-Dichloropropane	ug/kg	ND	5.7	07/11/12 12:06	
2-Butanone (MEK)	ug/kg	ND	113	07/11/12 12:06	
2-Chlorotoluene	ug/kg	ND	5.7	07/11/12 12:06	
2-Hexanone	ug/kg	ND	56.6	07/11/12 12:06	
4-Chlorotoluene	ug/kg	ND	5.7	07/11/12 12:06	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	56.6	07/11/12 12:06	
Acetone	ug/kg	ND	113	07/11/12 12:06	
Benzene	ug/kg	ND	5.7	07/11/12 12:06	
Bromobenzene	ug/kg	ND	5.7	07/11/12 12:06	
Bromochloromethane	ug/kg	ND	5.7	07/11/12 12:06	
Bromodichloromethane	ug/kg	ND	5.7	07/11/12 12:06	
Bromoform	ug/kg	ND	5.7	07/11/12 12:06	
Bromomethane	ug/kg	ND	11.3	07/11/12 12:06	
Carbon tetrachloride	ug/kg	ND	5.7	07/11/12 12:06	
Chlorobenzene	ug/kg	ND	5.7	07/11/12 12:06	
Chloroethane	ug/kg	ND	11.3	07/11/12 12:06	
Chloroform	ug/kg	ND	5.7	07/11/12 12:06	
Chloromethane	ug/kg	ND	11.3	07/11/12 12:06	
cis-1,2-Dichloroethene	ug/kg	ND	5.7	07/11/12 12:06	
cis-1,3-Dichloropropene	ug/kg	ND	5.7	07/11/12 12:06	
Dibromochloromethane	ug/kg	ND	5.7	07/11/12 12:06	
Dibromomethane	ug/kg	ND	5.7	07/11/12 12:06	
Dichlorodifluoromethane	ug/kg	ND	11.3	07/11/12 12:06	

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QUALITY CONTROL DATA

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

METHOD BLANK: 792311 Matrix: Solid

Associated Lab Samples: 92123374007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	ND	5.7	07/11/12 12:06	
Ethylbenzene	ug/kg	ND	5.7	07/11/12 12:06	
Hexachloro-1,3-butadiene	ug/kg	ND	5.7	07/11/12 12:06	
Isopropylbenzene (Cumene)	ug/kg	ND	5.7	07/11/12 12:06	
m&p-Xylene	ug/kg	ND	11.3	07/11/12 12:06	
Methyl-tert-butyl ether	ug/kg	ND	5.7	07/11/12 12:06	
Methylene Chloride	ug/kg	ND	22.6	07/11/12 12:06	
n-Butylbenzene	ug/kg	ND	5.7	07/11/12 12:06	
n-Propylbenzene	ug/kg	ND	5.7	07/11/12 12:06	
Naphthalene	ug/kg	ND	5.7	07/11/12 12:06	
o-Xylene	ug/kg	ND	5.7	07/11/12 12:06	
p-Isopropyltoluene	ug/kg	ND	5.7	07/11/12 12:06	
sec-Butylbenzene	ug/kg	ND	5.7	07/11/12 12:06	
Styrene	ug/kg	ND	5.7	07/11/12 12:06	
tert-Butylbenzene	ug/kg	ND	5.7	07/11/12 12:06	
Tetrachloroethene	ug/kg	ND	5.7	07/11/12 12:06	
Toluene	ug/kg	ND	5.7	07/11/12 12:06	
trans-1,2-Dichloroethene	ug/kg	ND	5.7	07/11/12 12:06	
trans-1,3-Dichloropropene	ug/kg	ND	5.7	07/11/12 12:06	
Trichloroethene	ug/kg	ND	5.7	07/11/12 12:06	
Trichlorofluoromethane	ug/kg	ND	5.7	07/11/12 12:06	
Vinyl acetate	ug/kg	ND	56.6	07/11/12 12:06	
Vinyl chloride	ug/kg	ND	11.3	07/11/12 12:06	
Xylene (Total)	ug/kg	ND	11.3	07/11/12 12:06	
1,2-Dichloroethane-d4 (S)	%	108	70-132	07/11/12 12:06	
4-Bromofluorobenzene (S)	%	95	70-130	07/11/12 12:06	
Dibromofluoromethane (S)	%	110	70-130	07/11/12 12:06	
Toluene-d8 (S)	%	104	70-130	07/11/12 12:06	

LABORATORY CONTROL SAMPLE: 792312

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	68.3	61.3	90	70-131	
1,1,1-Trichloroethane	ug/kg	68.3	64.2	94	70-141	
1,1,2,2-Tetrachloroethane	ug/kg	68.3	63.3	93	70-130	
1,1,2-Trichloroethane	ug/kg	68.3	65.5	96	70-132	
1,1-Dichloroethane	ug/kg	68.3	68.3	100	70-143	
1,1-Dichloroethene	ug/kg	68.3	69.8	102	70-137	
1,1-Dichloropropene	ug/kg	68.3	64.2	94	70-135	
1,2,3-Trichlorobenzene	ug/kg	68.3	61.3	90	69-153	
1,2,3-Trichloropropane	ug/kg	68.3	62.7	92	70-130	
1,2,4-Trichlorobenzene	ug/kg	68.3	61.7	90	55-171	
1,2,4-Trimethylbenzene	ug/kg	68.3	63.6	93	70-149	
1,2-Dibromo-3-chloropropane	ug/kg	68.3	66.9	98	68-141	
1,2-Dibromoethane (EDB)	ug/kg	68.3	61.0	89	70-130	

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QUALITY CONTROL DATA

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

LABORATORY CONTROL SAMPLE: 792312

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	68.3	63.9	94	70-140	
1,2-Dichloroethane	ug/kg	68.3	62.6	92	70-137	
1,2-Dichloropropane	ug/kg	68.3	66.0	97	70-133	
1,3,5-Trimethylbenzene	ug/kg	68.3	63.4	93	70-143	
1,3-Dichlorobenzene	ug/kg	68.3	61.0	89	70-144	
1,3-Dichloropropane	ug/kg	68.3	65.8	96	70-132	
1,4-Dichlorobenzene	ug/kg	68.3	61.4	90	70-142	
2,2-Dichloropropane	ug/kg	68.3	61.7	90	68-152	
2-Butanone (MEK)	ug/kg	137	155	113	70-149	
2-Chlorotoluene	ug/kg	68.3	63.8	93	70-141	
2-Hexanone	ug/kg	137	145	106	70-149	
4-Chlorotoluene	ug/kg	68.3	65.7	96	70-149	
4-Methyl-2-pentanone (MIBK)	ug/kg	137	146	107	70-153	
Acetone	ug/kg	137	181	132	70-157	
Benzene	ug/kg	68.3	66.0	97	70-130	
Bromobenzene	ug/kg	68.3	71.3	104	70-141	
Bromochloromethane	ug/kg	68.3	63.2	93	70-149	
Bromodichloromethane	ug/kg	68.3	64.9	95	70-130	
Bromoform	ug/kg	68.3	62.4	91	70-131	
Bromomethane	ug/kg	68.3	74.9	110	64-136	
Carbon tetrachloride	ug/kg	68.3	61.7	90	70-154	
Chlorobenzene	ug/kg	68.3	59.5	87	70-135	
Chloroethane	ug/kg	68.3	81.4	119	68-151	
Chloroform	ug/kg	68.3	64.6	95	70-130	
Chloromethane	ug/kg	68.3	78.3	115	70-132	
cis-1,2-Dichloroethene	ug/kg	68.3	66.6	98	70-140	
cis-1,3-Dichloropropene	ug/kg	68.3	68.4	100	70-137	
Dibromochloromethane	ug/kg	68.3	63.5	93	70-130	
Dibromomethane	ug/kg	68.3	63.9	94	70-136	
Dichlorodifluoromethane	ug/kg	68.3	62.3	91	36-148	
Diisopropyl ether	ug/kg	68.3	70.5	103	70-139	
Ethylbenzene	ug/kg	68.3	61.7	90	70-137	
Hexachloro-1,3-butadiene	ug/kg	68.3	57.5	84	70-145	
Isopropylbenzene (Cumene)	ug/kg	68.3	59.1	87	70-141	
m&p-Xylene	ug/kg	137	127	93	70-140	
Methyl-tert-butyl ether	ug/kg	68.3	71.6	105	45-150	
Methylene Chloride	ug/kg	68.3	76.1	111	70-133	
n-Butylbenzene	ug/kg	68.3	65.0	95	65-155	
n-Propylbenzene	ug/kg	68.3	63.1	92	70-148	
Naphthalene	ug/kg	68.3	66.0	97	70-148	
o-Xylene	ug/kg	68.3	61.7	90	70-141	
p-Isopropyltoluene	ug/kg	68.3	64.3	94	70-148	
sec-Butylbenzene	ug/kg	68.3	64.4	94	70-145	
Styrene	ug/kg	68.3	62.7	92	70-138	
tert-Butylbenzene	ug/kg	68.3	62.2	91	70-143	
Tetrachloroethene	ug/kg	68.3	59.0	86	70-140	
Toluene	ug/kg	68.3	63.7	93	70-130	
trans-1,2-Dichloroethene	ug/kg	68.3	69.2	101	70-136	

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QUALITY CONTROL DATA

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

LABORATORY CONTROL SAMPLE: 792312

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/kg	68.3	67.7	99	70-138	
Trichloroethene	ug/kg	68.3	60.9	89	70-132	
Trichlorofluoromethane	ug/kg	68.3	74.4	109	69-134	
Vinyl acetate	ug/kg	137	191	140	24-161	
Vinyl chloride	ug/kg	68.3	65.5	96	55-140	
Xylene (Total)	ug/kg	205	188	92	70-141	
1,2-Dichloroethane-d4 (S)	%			103	70-132	
4-Bromofluorobenzene (S)	%			95	70-130	
Dibromofluoromethane (S)	%			102	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE: 793079

Parameter	Units	92123682001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/kg	ND	53.8	61.1	114	49-180	
Benzene	ug/kg	ND	53.8	49.0	91	50-166	
Chlorobenzene	ug/kg	ND	53.8	55.8	104	43-169	
Toluene	ug/kg	ND	53.8	56.1	104	52-163	
Trichloroethene	ug/kg	ND	53.8	52.1	97	49-167	
1,2-Dichloroethane-d4 (S)	%				115	70-132	
4-Bromofluorobenzene (S)	%				93	70-130	
Dibromofluoromethane (S)	%				108	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 793078

Parameter	Units	92123476009 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		
1,1,1-Trichloroethane	ug/kg	ND	ND		
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND		
1,1,2-Trichloroethane	ug/kg	ND	ND		
1,1-Dichloroethane	ug/kg	ND	ND		
1,1-Dichloroethene	ug/kg	ND	ND		
1,1-Dichloropropene	ug/kg	ND	ND		
1,2,3-Trichlorobenzene	ug/kg	ND	ND		
1,2,3-Trichloropropane	ug/kg	ND	ND		
1,2,4-Trichlorobenzene	ug/kg	ND	ND		
1,2,4-Trimethylbenzene	ug/kg	ND	ND		
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		
1,2-Dichlorobenzene	ug/kg	ND	ND		
1,2-Dichloroethane	ug/kg	ND	ND		
1,2-Dichloropropane	ug/kg	ND	ND		
1,3,5-Trimethylbenzene	ug/kg	ND	ND		
1,3-Dichlorobenzene	ug/kg	ND	ND		

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QUALITY CONTROL DATA

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

SAMPLE DUPLICATE: 793078

Parameter	Units	92123476009 Result	Dup Result	RPD	Qualifiers
1,3-Dichloropropane	ug/kg	ND	ND		
1,4-Dichlorobenzene	ug/kg	ND	ND		
2,2-Dichloropropane	ug/kg	ND	ND		
2-Butanone (MEK)	ug/kg	ND	ND		
2-Chlorotoluene	ug/kg	ND	ND		
2-Hexanone	ug/kg	ND	ND		
4-Chlorotoluene	ug/kg	ND	ND		
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		
Acetone	ug/kg	ND	ND		
Benzene	ug/kg	ND	ND		
Bromobenzene	ug/kg	ND	ND		
Bromochloromethane	ug/kg	ND	ND		
Bromodichloromethane	ug/kg	ND	ND		
Bromoform	ug/kg	ND	ND		
Bromomethane	ug/kg	ND	ND		
Carbon tetrachloride	ug/kg	ND	ND		
Chlorobenzene	ug/kg	ND	ND		
Chloroethane	ug/kg	ND	ND		
Chloroform	ug/kg	ND	ND		
Chloromethane	ug/kg	ND	ND		
cis-1,2-Dichloroethene	ug/kg	ND	ND		
cis-1,3-Dichloropropene	ug/kg	ND	ND		
Dibromochloromethane	ug/kg	ND	ND		
Dibromomethane	ug/kg	ND	ND		
Dichlorodifluoromethane	ug/kg	ND	ND		
Diisopropyl ether	ug/kg	ND	ND		
Ethylbenzene	ug/kg	ND	ND		
Hexachloro-1,3-butadiene	ug/kg	ND	ND		
Isopropylbenzene (Cumene)	ug/kg	ND	ND		
m&p-Xylene	ug/kg	ND	ND		
Methyl-tert-butyl ether	ug/kg	ND	ND		
Methylene Chloride	ug/kg	ND	ND		
n-Butylbenzene	ug/kg	ND	ND		
n-Propylbenzene	ug/kg	ND	ND		
Naphthalene	ug/kg	ND	ND		
o-Xylene	ug/kg	ND	ND		
p-Isopropyltoluene	ug/kg	ND	ND		
sec-Butylbenzene	ug/kg	ND	ND		
Styrene	ug/kg	ND	ND		
tert-Butylbenzene	ug/kg	ND	ND		
Tetrachloroethene	ug/kg	ND	ND		
Toluene	ug/kg	ND	ND		
trans-1,2-Dichloroethene	ug/kg	ND	ND		
trans-1,3-Dichloropropene	ug/kg	ND	ND		
Trichloroethene	ug/kg	ND	ND		
Trichlorofluoromethane	ug/kg	ND	ND		
Vinyl acetate	ug/kg	ND	ND		
Vinyl chloride	ug/kg	ND	ND		

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QUALITY CONTROL DATA

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

SAMPLE DUPLICATE: 793078

Parameter	Units	92123476009 Result	Dup Result	RPD	Qualifiers
Xylene (Total)	ug/kg	ND	ND		
1,2-Dichloroethane-d4 (S)	%	117	118	12	
4-Bromofluorobenzene (S)	%	97	97	11	
Dibromofluoromethane (S)	%	116	114	9	
Toluene-d8 (S)	%	104	104	11	

QUALITY CONTROL DATA

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

QC Batch: OEXT/18126 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 92123374009, 92123374010, 92123374011, 92123374012, 92123374013, 92123374014

METHOD BLANK: 790926 Matrix: Solid
Associated Lab Samples: 92123374009, 92123374010, 92123374011, 92123374012, 92123374013, 92123374014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	330	07/12/12 10:40	
1,2-Dichlorobenzene	ug/kg	ND	330	07/12/12 10:40	
1,3-Dichlorobenzene	ug/kg	ND	330	07/12/12 10:40	
1,4-Dichlorobenzene	ug/kg	ND	330	07/12/12 10:40	
1-Methylnaphthalene	ug/kg	ND	330	07/12/12 10:40	
2,4,5-Trichlorophenol	ug/kg	ND	330	07/12/12 10:40	
2,4,6-Trichlorophenol	ug/kg	ND	330	07/12/12 10:40	
2,4-Dichlorophenol	ug/kg	ND	330	07/12/12 10:40	
2,4-Dimethylphenol	ug/kg	ND	330	07/12/12 10:40	
2,4-Dinitrophenol	ug/kg	ND	1650	07/12/12 10:40	
2,4-Dinitrotoluene	ug/kg	ND	330	07/12/12 10:40	
2,6-Dinitrotoluene	ug/kg	ND	330	07/12/12 10:40	
2-Chloronaphthalene	ug/kg	ND	330	07/12/12 10:40	
2-Chlorophenol	ug/kg	ND	330	07/12/12 10:40	
2-Methylnaphthalene	ug/kg	ND	330	07/12/12 10:40	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	07/12/12 10:40	
2-Nitroaniline	ug/kg	ND	1650	07/12/12 10:40	
2-Nitrophenol	ug/kg	ND	330	07/12/12 10:40	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	330	07/12/12 10:40	
3,3'-Dichlorobenzidine	ug/kg	ND	1650	07/12/12 10:40	
3-Nitroaniline	ug/kg	ND	1650	07/12/12 10:40	
4,6-Dinitro-2-methylphenol	ug/kg	ND	660	07/12/12 10:40	
4-Bromophenylphenyl ether	ug/kg	ND	330	07/12/12 10:40	
4-Chloro-3-methylphenol	ug/kg	ND	660	07/12/12 10:40	
4-Chloroaniline	ug/kg	ND	1650	07/12/12 10:40	
4-Chlorophenylphenyl ether	ug/kg	ND	330	07/12/12 10:40	
4-Nitroaniline	ug/kg	ND	660	07/12/12 10:40	
4-Nitrophenol	ug/kg	ND	1650	07/12/12 10:40	
Acenaphthene	ug/kg	ND	330	07/12/12 10:40	
Acenaphthylene	ug/kg	ND	330	07/12/12 10:40	
Aniline	ug/kg	ND	330	07/12/12 10:40	
Anthracene	ug/kg	ND	330	07/12/12 10:40	
Benzo(a)anthracene	ug/kg	ND	330	07/12/12 10:40	
Benzo(a)pyrene	ug/kg	ND	330	07/12/12 10:40	
Benzo(b)fluoranthene	ug/kg	ND	330	07/12/12 10:40	
Benzo(g,h,i)perylene	ug/kg	ND	330	07/12/12 10:40	
Benzo(k)fluoranthene	ug/kg	ND	330	07/12/12 10:40	
Benzoic Acid	ug/kg	ND	1650	07/12/12 10:40	
Benzyl alcohol	ug/kg	ND	660	07/12/12 10:40	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	07/12/12 10:40	
bis(2-Chloroethyl) ether	ug/kg	ND	330	07/12/12 10:40	
bis(2-Chloroisopropyl) ether	ug/kg	ND	330	07/12/12 10:40	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	07/12/12 10:40	

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QUALITY CONTROL DATA

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

METHOD BLANK: 790926 Matrix: Solid

Associated Lab Samples: 92123374009, 92123374010, 92123374011, 92123374012, 92123374013, 92123374014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/kg	ND	330	07/12/12 10:40	
Chrysene	ug/kg	ND	330	07/12/12 10:40	
Di-n-butylphthalate	ug/kg	ND	330	07/12/12 10:40	
Di-n-octylphthalate	ug/kg	ND	330	07/12/12 10:40	
Dibenz(a,h)anthracene	ug/kg	ND	330	07/12/12 10:40	
Dibenzofuran	ug/kg	ND	330	07/12/12 10:40	
Diethylphthalate	ug/kg	ND	330	07/12/12 10:40	
Dimethylphthalate	ug/kg	ND	330	07/12/12 10:40	
Fluoranthene	ug/kg	ND	330	07/12/12 10:40	
Fluorene	ug/kg	ND	330	07/12/12 10:40	
Hexachloro-1,3-butadiene	ug/kg	ND	330	07/12/12 10:40	
Hexachlorobenzene	ug/kg	ND	330	07/12/12 10:40	
Hexachlorocyclopentadiene	ug/kg	ND	330	07/12/12 10:40	
Hexachloroethane	ug/kg	ND	330	07/12/12 10:40	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	07/12/12 10:40	
Isophorone	ug/kg	ND	330	07/12/12 10:40	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	07/12/12 10:40	
N-Nitrosodimethylamine	ug/kg	ND	330	07/12/12 10:40	
N-Nitrosodiphenylamine	ug/kg	ND	330	07/12/12 10:40	
Naphthalene	ug/kg	ND	330	07/12/12 10:40	
Nitrobenzene	ug/kg	ND	330	07/12/12 10:40	
Pentachlorophenol	ug/kg	ND	1650	07/12/12 10:40	
Phenanthrene	ug/kg	ND	330	07/12/12 10:40	
Phenol	ug/kg	ND	330	07/12/12 10:40	
Pyrene	ug/kg	ND	330	07/12/12 10:40	
2,4,6-Tribromophenol (S)	%	78	27-110	07/12/12 10:40	
2-Fluorobiphenyl (S)	%	81	30-110	07/12/12 10:40	
2-Fluorophenol (S)	%	65	13-110	07/12/12 10:40	
Nitrobenzene-d5 (S)	%	75	23-110	07/12/12 10:40	
Phenol-d6 (S)	%	67	22-110	07/12/12 10:40	
Terphenyl-d14 (S)	%	86	28-110	07/12/12 10:40	

LABORATORY CONTROL SAMPLE: 790927

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1170	70	39-101	
1,2-Dichlorobenzene	ug/kg	1670	1110	67	36-110	
1,3-Dichlorobenzene	ug/kg	1670	1100	66	35-110	
1,4-Dichlorobenzene	ug/kg	1670	1090	65	35-110	
1-Methylnaphthalene	ug/kg	1670	1260	75	45-105	
2,4,5-Trichlorophenol	ug/kg	1670	1190	72	48-109	
2,4,6-Trichlorophenol	ug/kg	1670	1180	71	45-111	
2,4-Dichlorophenol	ug/kg	1670	1220	73	51-116	
2,4-Dimethylphenol	ug/kg	1670	1160	69	42-103	
2,4-Dinitrophenol	ug/kg	8330	4410	53	28-103	

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QUALITY CONTROL DATA

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

LABORATORY CONTROL SAMPLE: 790927

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/kg	1670	1120	67	46-114	
2,6-Dinitrotoluene	ug/kg	1670	1120	67	48-112	
2-Chloronaphthalene	ug/kg	1670	1110	66	44-105	
2-Chlorophenol	ug/kg	1670	1060	64	36-110	
2-Methylnaphthalene	ug/kg	1670	1220	73	39-112	
2-Methylphenol(o-Cresol)	ug/kg	1670	1040	63	39-101	
2-Nitroaniline	ug/kg	3330	2480	74	44-111	
2-Nitrophenol	ug/kg	1670	1160	69	41-100	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1000	60	43-103	
3,3'-Dichlorobenzidine	ug/kg	3330	2520	76	10-150	
3-Nitroaniline	ug/kg	3330	2560	77	35-110	
4,6-Dinitro-2-methylphenol	ug/kg	3330	2560	77	38-118	
4-Bromophenylphenyl ether	ug/kg	1670	1400	84	47-115	
4-Chloro-3-methylphenol	ug/kg	3330	2450	74	43-127	
4-Chloroaniline	ug/kg	3330	2190	66	34-109	
4-Chlorophenylphenyl ether	ug/kg	1670	1260	76	44-115	
4-Nitroaniline	ug/kg	3330	2640	79	37-111	
4-Nitrophenol	ug/kg	8330	6370	76	21-152	
Acenaphthene	ug/kg	1670	1220	73	38-117	
Acenaphthylene	ug/kg	1670	1180	71	46-107	
Aniline	ug/kg	1670	897	54	29-110	
Anthracene	ug/kg	1670	1440	86	50-110	
Benzo(a)anthracene	ug/kg	1670	1390	84	47-116	
Benzo(a)pyrene	ug/kg	1670	1530	92	47-106	
Benzo(b)fluoranthene	ug/kg	1670	1440	87	47-109	
Benzo(g,h,i)perylene	ug/kg	1670	1690	101	39-115	
Benzo(k)fluoranthene	ug/kg	1670	1610	96	45-117	
Benzoic Acid	ug/kg	8330	4140	50	16-110	
Benzyl alcohol	ug/kg	3330	2070	62	38-105	
bis(2-Chloroethoxy)methane	ug/kg	1670	1110	67	39-110	
bis(2-Chloroethyl) ether	ug/kg	1670	1010	61	19-119	
bis(2-Chloroisopropyl) ether	ug/kg	1670	959	58	21-110	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1140	68	35-116	
Butylbenzylphthalate	ug/kg	1670	1120	67	38-110	
Chrysene	ug/kg	1670	1500	90	49-110	
Di-n-butylphthalate	ug/kg	1670	1200	72	43-109	
Di-n-octylphthalate	ug/kg	1670	1070	64	37-109	
Dibenz(a,h)anthracene	ug/kg	1670	1660	99	43-116	
Dibenzofuran	ug/kg	1670	1250	75	45-106	
Diethylphthalate	ug/kg	1670	1190	71	41-114	
Dimethylphthalate	ug/kg	1670	1170	70	43-110	
Fluoranthene	ug/kg	1670	1440	86	50-114	
Fluorene	ug/kg	1670	1250	75	46-114	
Hexachloro-1,3-butadiene	ug/kg	1670	1240	75	28-111	
Hexachlorobenzene	ug/kg	1670	1410	84	46-120	
Hexachlorocyclopentadiene	ug/kg	1670	984	59	18-119	
Hexachloroethane	ug/kg	1670	1090	65	33-110	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1700	102	42-115	

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QUALITY CONTROL DATA

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

LABORATORY CONTROL SAMPLE: 790927

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Isophorone	ug/kg	1670	917	55	44-109	
N-Nitroso-di-n-propylamine	ug/kg	1670	979	59	43-104	
N-Nitrosodimethylamine	ug/kg	1670	995	60	29-110	
N-Nitrosodiphenylamine	ug/kg	1670	1370	82	48-113	
Naphthalene	ug/kg	1670	1200	72	41-110	
Nitrobenzene	ug/kg	1670	871	52	38-110	
Pentachlorophenol	ug/kg	3330	2040	61	32-128	
Phenanthrene	ug/kg	1670	1410	85	50-110	
Phenol	ug/kg	1670	1040	62	28-106	
Pyrene	ug/kg	1670	1310	79	45-114	
2,4,6-Tribromophenol (S)	%			87	27-110	
2-Fluorobiphenyl (S)	%			67	30-110	
2-Fluorophenol (S)	%			59	13-110	
Nitrobenzene-d5 (S)	%			62	23-110	
Phenol-d6 (S)	%			56	22-110	
Terphenyl-d14 (S)	%			83	28-110	

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QUALITY CONTROL DATA

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

QC Batch: OEXT/18125 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave PAH
Associated Lab Samples: 92123374001, 92123374002, 92123374003, 92123374004, 92123374005, 92123374006, 92123374007, 92123374008

METHOD BLANK: 790918 Matrix: Solid
Associated Lab Samples: 92123374001, 92123374002, 92123374003, 92123374004, 92123374005, 92123374006, 92123374007, 92123374008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	330	07/12/12 10:40	
2-Methylnaphthalene	ug/kg	ND	330	07/12/12 10:40	
Acenaphthene	ug/kg	ND	330	07/12/12 10:40	
Acenaphthylene	ug/kg	ND	330	07/12/12 10:40	
Anthracene	ug/kg	ND	330	07/12/12 10:40	
Benzo(a)anthracene	ug/kg	ND	330	07/12/12 10:40	
Benzo(a)pyrene	ug/kg	ND	330	07/12/12 10:40	
Benzo(b)fluoranthene	ug/kg	ND	330	07/12/12 10:40	
Benzo(g,h,i)perylene	ug/kg	ND	330	07/12/12 10:40	
Benzo(k)fluoranthene	ug/kg	ND	330	07/12/12 10:40	
Chrysene	ug/kg	ND	330	07/12/12 10:40	
Dibenz(a,h)anthracene	ug/kg	ND	330	07/12/12 10:40	
Fluoranthene	ug/kg	ND	330	07/12/12 10:40	
Fluorene	ug/kg	ND	330	07/12/12 10:40	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	07/12/12 10:40	
Naphthalene	ug/kg	ND	330	07/12/12 10:40	
Phenanthrene	ug/kg	ND	330	07/12/12 10:40	
Pyrene	ug/kg	ND	330	07/12/12 10:40	
2-Fluorobiphenyl (S)	%	81	30-110	07/12/12 10:40	
Nitrobenzene-d5 (S)	%	75	23-110	07/12/12 10:40	
Terphenyl-d14 (S)	%	86	28-110	07/12/12 10:40	

LABORATORY CONTROL SAMPLE: 790919

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	1670	1260	75	45-105	
2-Methylnaphthalene	ug/kg	1670	1220	73	39-112	
Acenaphthene	ug/kg	1670	1220	73	38-117	
Acenaphthylene	ug/kg	1670	1180	71	46-107	
Anthracene	ug/kg	1670	1440	86	50-110	
Benzo(a)anthracene	ug/kg	1670	1390	84	47-116	
Benzo(a)pyrene	ug/kg	1670	1530	92	47-106	
Benzo(b)fluoranthene	ug/kg	1670	1440	87	47-109	
Benzo(g,h,i)perylene	ug/kg	1670	1690	101	39-115	
Benzo(k)fluoranthene	ug/kg	1670	1610	96	45-117	
Chrysene	ug/kg	1670	1500	90	49-110	
Dibenz(a,h)anthracene	ug/kg	1670	1660	99	43-116	
Fluoranthene	ug/kg	1670	1440	86	50-114	
Fluorene	ug/kg	1670	1250	75	46-114	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1700	102	42-115	

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QUALITY CONTROL DATA

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

LABORATORY CONTROL SAMPLE: 790919

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	1670	1200	72	41-110	
Phenanthrene	ug/kg	1670	1410	85	50-110	
Pyrene	ug/kg	1670	1310	79	45-114	
2-Fluorobiphenyl (S)	%			67	30-110	
Nitrobenzene-d5 (S)	%			62	23-110	
Terphenyl-d14 (S)	%			83	28-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 790920 790921

Parameter	Units	92123374006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1-Methylnaphthalene	ug/kg	ND	2040	2040	812	819	40	40	24-116	1	
2-Methylnaphthalene	ug/kg	ND	2040	2040	794	798	39	39	10-135	0	
Acenaphthene	ug/kg	ND	2040	2040	883	902	43	44	26-114	2	
Acenaphthylene	ug/kg	ND	2040	2040	835	840	41	41	32-108	1	
Anthracene	ug/kg	ND	2040	2040	1340	1470	66	72	32-111	10	
Benzo(a)anthracene	ug/kg	ND	2040	2040	1400	1510	69	74	25-117	7	
Benzo(a)pyrene	ug/kg	ND	2040	2040	1440	1590	70	78	25-106	10	
Benzo(b)fluoranthene	ug/kg	ND	2040	2040	1400	1500	69	74	24-110	7	
Benzo(g,h,i)perylene	ug/kg	ND	2040	2040	1550	1670	76	82	19-112	7	
Benzo(k)fluoranthene	ug/kg	ND	2040	2040	1400	1550	69	76	24-114	10	
Chrysene	ug/kg	ND	2040	2040	1470	1560	72	77	30-110	6	
Dibenz(a,h)anthracene	ug/kg	ND	2040	2040	1530	1620	75	79	23-111	6	
Fluoranthene	ug/kg	ND	2040	2040	1610	1790	79	88	33-109	11	
Fluorene	ug/kg	ND	2040	2040	989	1090	48	54	32-113	10	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	2040	2040	1610	1720	79	85	10-122	7	
Naphthalene	ug/kg	ND	2040	2040	819	811	40	40	25-110	1	
Phenanthrene	ug/kg	ND	2040	2040	1290	1430	63	70	30-114	10	
Pyrene	ug/kg	ND	2040	2040	1290	1390	63	68	25-116	8	
2-Fluorobiphenyl (S)	%						36	35	30-110		
Nitrobenzene-d5 (S)	%						35	34	23-110		
Terphenyl-d14 (S)	%						64	69	28-110		

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QUALITY CONTROL DATA

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

QC Batch: PMST/4857 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92123374001, 92123374002, 92123374003, 92123374004, 92123374005, 92123374006, 92123374007, 92123374008, 92123374009, 92123374010, 92123374011, 92123374012, 92123374013, 92123374014

SAMPLE DUPLICATE: 790709

Parameter	Units	92123374001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	21.2	21.3	0	

SAMPLE DUPLICATE: 790710

Parameter	Units	92123323001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	2.2	2.1	4	

QUALIFIERS

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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TNI - The NELAC Institute.

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

A+	The reaction of the soil preservative, sodium bisulfate, is known to react with humic acid in soils to produce ketones. Based upon method blank results, the laboratory feels the ketones in this sample are a result of that reaction.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
H1	Analysis conducted outside the EPA method holding time.
H2	Extraction or preparation conducted outside EPA method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92123374001	**3 B-1**	EPA 3050	MPRP/10977	EPA 6010	ICP/10088
92123374002	**3 B-2**	EPA 3050	MPRP/10977	EPA 6010	ICP/10088
92123374003	**3 B-3**	EPA 3050	MPRP/10977	EPA 6010	ICP/10088
92123374004	**3 B-4**	EPA 3050	MPRP/10977	EPA 6010	ICP/10088
92123374005	**3 B-5**	EPA 3050	MPRP/10977	EPA 6010	ICP/10088
92123374006	**3 B-6**	EPA 3050	MPRP/10977	EPA 6010	ICP/10088
92123374007	**3 B-7**	EPA 3050	MPRP/10977	EPA 6010	ICP/10088
92123374008	**3 B-8**	EPA 3050	MPRP/10977	EPA 6010	ICP/10088
92123374009	**1 B-1**	EPA 3050	MPRP/10977	EPA 6010	ICP/10088
92123374010	**1 B-2**	EPA 3050	MPRP/10977	EPA 6010	ICP/10088
92123374011	**1 B-3**	EPA 3050	MPRP/10977	EPA 6010	ICP/10088
92123374012	**1 B-4**	EPA 3050	MPRP/10977	EPA 6010	ICP/10088
92123374013	**1 B-5**	EPA 3050	MPRP/10977	EPA 6010	ICP/10088
92123374014	**1 B-6**	EPA 3050	MPRP/10977	EPA 6010	ICP/10088
92123374009	**1 B-1**	EPA 7471	MERP/4348	EPA 7471	MERC/4265
92123374010	**1 B-2**	EPA 7471	MERP/4348	EPA 7471	MERC/4265
92123374011	**1 B-3**	EPA 7471	MERP/4348	EPA 7471	MERC/4265
92123374012	**1 B-4**	EPA 7471	MERP/4348	EPA 7471	MERC/4265
92123374013	**1 B-5**	EPA 7471	MERP/4348	EPA 7471	MERC/4265
92123374014	**1 B-6**	EPA 7471	MERP/4348	EPA 7471	MERC/4265
92123374009	**1 B-1**	EPA 3546	OEXT/18126	EPA 8270	MSSV/6487
92123374010	**1 B-2**	EPA 3546	OEXT/18126	EPA 8270	MSSV/6487
92123374011	**1 B-3**	EPA 3546	OEXT/18126	EPA 8270	MSSV/6487
92123374012	**1 B-4**	EPA 3546	OEXT/18126	EPA 8270	MSSV/6487
92123374013	**1 B-5**	EPA 3546	OEXT/18126	EPA 8270	MSSV/6487
92123374014	**1 B-6**	EPA 3546	OEXT/18126	EPA 8270	MSSV/6487
92123374001	**3 B-1**	EPA 3546	OEXT/18125	EPA 8270	MSSV/6486
92123374002	**3 B-2**	EPA 3546	OEXT/18125	EPA 8270	MSSV/6486
92123374003	**3 B-3**	EPA 3546	OEXT/18125	EPA 8270	MSSV/6486
92123374004	**3 B-4**	EPA 3546	OEXT/18125	EPA 8270	MSSV/6486
92123374005	**3 B-5**	EPA 3546	OEXT/18125	EPA 8270	MSSV/6486
92123374006	**3 B-6**	EPA 3546	OEXT/18125	EPA 8270	MSSV/6486
92123374007	**3 B-7**	EPA 3546	OEXT/18125	EPA 8270	MSSV/6486
92123374008	**3 B-8**	EPA 3546	OEXT/18125	EPA 8270	MSSV/6486
92123374001	**3 B-1**	EPA 8260	MSV/19718		
92123374002	**3 B-2**	EPA 8260	MSV/19718		
92123374003	**3 B-3**	EPA 8260	MSV/19718		
92123374004	**3 B-4**	EPA 8260	MSV/19718		
92123374005	**3 B-5**	EPA 8260	MSV/19718		
92123374006	**3 B-6**	EPA 8260	MSV/19718		
92123374007	**3 B-7**	EPA 8260	MSV/19733		
92123374008	**3 B-8**	EPA 8260	MSV/19718		
92123374009	**1 B-1**	EPA 8260	MSV/19718		
92123374010	**1 B-2**	EPA 8260	MSV/19718		
92123374011	**1 B-3**	EPA 8260	MSV/19718		
92123374012	**1 B-4**	EPA 8260	MSV/19718		

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

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

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 50000.1.STR05T1B Harrisburg
Pace Project No.: 92123374

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92123374013	**1 B-5**	EPA 8260	MSV/19718		
92123374014	**1 B-6**	EPA 8260	MSV/19718		
92123374001	**3 B-1**	ASTM D2974-87	PMST/4857		
92123374002	**3 B-2**	ASTM D2974-87	PMST/4857		
92123374003	**3 B-3**	ASTM D2974-87	PMST/4857		
92123374004	**3 B-4**	ASTM D2974-87	PMST/4857		
92123374005	**3 B-5**	ASTM D2974-87	PMST/4857		
92123374006	**3 B-6**	ASTM D2974-87	PMST/4857		
92123374007	**3 B-7**	ASTM D2974-87	PMST/4857		
92123374008	**3 B-8**	ASTM D2974-87	PMST/4857		
92123374009	**1 B-1**	ASTM D2974-87	PMST/4857		
92123374010	**1 B-2**	ASTM D2974-87	PMST/4857		
92123374011	**1 B-3**	ASTM D2974-87	PMST/4857		
92123374012	**1 B-4**	ASTM D2974-87	PMST/4857		
92123374013	**1 B-5**	ASTM D2974-87	PMST/4857		
92123374014	**1 B-6**	ASTM D2974-87	PMST/4857		

CHAIN-OF-CUSTODY / Analytical Request Document

Pace Analytical® www.pacelabs.com

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

Page: 1 of 2

1604876

Section A Required Client Information:

Company: Terracon Consultants, Inc
Address: 2020 E Starita Road
Charlotte, NC 28206
Email To: clcorbitt@terracon.com
Phone: 704 509-1777 Fax: 704 509 1888
Requested Due Date/TAT: Normal

Section B Required Project Information:

Report To: Chris Corbitt
Copy To:
Purchase Order No.: P-5208B Parcels 1B and 3B
Project Name: Gastonia right of way
Project Number: 71127731

Section C Invoice Information:

Attention: Mr. Gordon Box
Company Name: N.C. Dept. of Transportation
Address: Century Center Complex, Bldg B
1020 Birch Ridge Road
Raleigh, NC 27610
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

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

Site Location STATE: NC

Section D Required Client Information

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

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: 8260	PAHs 8270	Cr, Pb	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	3B-1	SL	G			7.6.12	840		3	X						X		X	X	X		001
2	3B-2	"	"			"	930		3	X						X		X	X	X		002
3	3B-3	"	"			"	905		3	X						X		X	X	X		003
4	3B-4	"	"			"	1110		3	X						X		X	X	X		004
5	3B-5	"	"			"	945		3	X						X		X	X	X		005
6	3B-6	"	"			"	1020		3	X						X		X	X	X		006
7	3B-7	"	"			"	1100		3	X						X		X	X	X		007
8	3B-8	"	"			"	1000		3	X						X		X	X	X		008
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
		7.6.12	1620	Jmoore/PACE	7/6	1620	1.9	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jeff Wiggins

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7.6.2012

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

CHAIN-OF-CUSTODY / Analytical Request Document

Pace Analytical® www.pacelabs.com

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

Page: 2 of 2

1604878

Section A Required Client Information:

Company: Terracon
Address: 2020 E Starita Rd.
Charlotte, NC 28206
Email To: CIcorbitt@Terracon.com
Phone: 704 509. Fax: 1777
Requested Due Date/TAT: Normal

Section B Required Project Information:

Report To: Chris Corbitt
Copy To:
PARCEL 18 & 38
Purchase Order No.: 71127731 P-5208B
Project Name: Harrisburg NC Right of Way
Project Number: 71127731

Section C Invoice Information:

Attention: Mr. Gordon Box
Company Name: NC Dept. of Transportation
Address: Century Center Complex, Bldg B
Pace Quote Reference: 1020 Birch Ridge Road
Pace Project Manager: Raleigh, NC 27610
Pace Profile #:

REGULATORY AGENCY

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

Site Location STATE: NC

Section D Required Client Information

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

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: VOCs 8260	SVOCs 8270	RCRA Zn, Cu, Mn Metals only	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	1B-1	SL	G			7-6-12	1200		3	X						X		X	X	X			009
2	1B-2	"	"			"	1230		3	X						X		X	X	X			010
3	1B-3	"	"			"	1300		3	X						X		X	X	X			011
4	1B-4	"	"			"	1350		3	X						X		X	X	X			012
5	1B-5	"	"			"	1400		3	X						X		X	X	X			013
6	1B-6	"	"			"	1430		3	X						X		X	X	X			014
7																							
8																							
9																							
10																							
11																							
12																							

921233314

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
		7-6-12	1620	Pace	7/6	1620	1.9	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jeff Wiggins

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 7-6-2012

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

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: May 7, 2012 Page 1 of 2
	Document Number: **F-CHR-CS-03-rev.07**	Issuing Authority: Pace Huntersville Quality Office

Client Name: Terracon Consultants, Inc Project # 92123374

Where Received: ☑ Huntersville ☐ Asheville ☐ Eden

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

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

Optional
Proj. Due Date:
Proj. Name:

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

Thermometer Used: IR Gun **T1101** T1102 **Type of Ice:** Wet Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor **T1101**: No Correction **T1102**: No Correction

Corrected Cooler Temp.: 1.9 C **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C **Comments:**

Date and Initials of person examining contents: 7/6/12

Chain of Custody Present:	☑Yes	☐No	☐N/A 1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A 2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A 3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A 4.
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A 5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A 6.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A 7.
Sufficient Volume:	☑Yes	☐No	☐N/A 8.
Correct Containers Used:	☑Yes	☐No	☐N/A 9.
-Pace Containers Used:	☑Yes	☐No	☐N/A
Containers Intact:	☑Yes	☐No	☐N/A 10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A 11.
Sample Labels match COC:	☐Yes	☑No	☐N/A 12. #4 = 1330
-Includes date/time/ID/Analysis Matrix: SL			
All containers needing preservation have been checked.	☐Yes	☐No	☑N/A 13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes	☐No	☑N/A
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes	☐No	Initial when completed
Samples checked for dechlorination:	☐Yes	☐No	☑N/A 14.
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A 15.
Trip Blank Present:	☐Yes	☐No	☑N/A 16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A
Pace Trip Blank Lot # (if purchased):_____			

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted:_____ Date/Time:_____

Comments/ Resolution:_____

SCURF Review: BKM **Date:** 7/6/12 **SRF Review:** JY **Date:** 7/9/12

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