FINAL REPORT
for
NORTHWEST TRIANGLE PROPERTIES

NORTHWEST TRIANGLE INITIATIVE
City of York
York County, Pennsylvania

December 2011

Prepared for:

The City of York Redevelopment Authority
49 East Market Street
York, PA

Prepared by:

ARM Group Inc.
Hershey, Pennsylvania

(ARM Project 07214)

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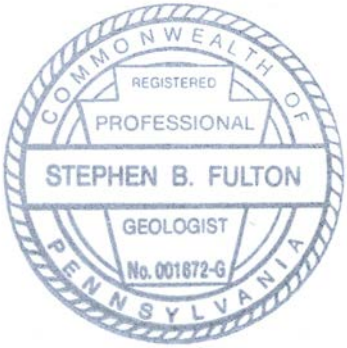

Respectfully submitted:

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1.0 INTRODUCTION

1.1 Project Background

This Act 2 Final Report has been prepared by ARM Group Inc. (ARM) to summarize the environmental site characterization and remediation activities completed at various properties across an approximately 14.5-acre portion of the City of York referred to as the Northwest Triangle (NWT). This report has been prepared at the request of the City of York Redevelopment Authority (RDA), a non-profit organization that has purchased properties and is leading the initiative to remediate and redevelop properties across NWT region of the City. As shown on the attached Figure 1, the NWT is generally bounded to the north by the Codorus Creek, to the east by North Beaver Street, and to the south by West Gay Avenue. The properties are generally located at latitude 39° 57’ 54” North and longitude 76° 43’ 53” West, ion York County, Pennsylvania. The goal of the NWT Initiative is to revitalize and enhance this portion of the City of York through the demolition and/or remodeling of contaminated, abandoned and/or under-utilized properties, and the establishment of new residential and commercial facilities.

Many of the properties within the NWT have been the subject of preliminary environmental site investigations conducted by others, and ARM was contracted by the RDA to perform additional site sampling and characterization of these properties to further support the identification and delineation of potential contamination, and to support the development and implementation of environmental remediation plans as part of the site redevelopment activities. ARM’s work was conducted in accordance with the applicable provisions of 25 PA Code Chapter 250 (the Act 2 Regulations), as well as applicable guidance documents and various communications with representatives of the Pennsylvania Department of Environmental Protection (PADEP).

Based on previous land use, site access, redevelopment, record keeping and reporting considerations, the project was divided into the following separate areas:

1. York Rail, North George Street, York, PA; 0.4 acres.

2. Keystone Color Works, 109-151 West Gay Street, York, PA; 0.73 acres.

3. Weaver’s Auto Body, P&S Motors, and row houses, 200-236 North Beaver Street, York, PA; 1.18 acres.

4. B&C Fasteners, 146-150 North Beaver Street, York, PA; 0.47 acres.

5. Trestle Area; North Beaver Street, 0.5 acres.

6. Ohio Blenders (AlfaGreen Supreme), 260 North Beaver Street, and 132-152 North Pershing Avenue, York, PA; 2.04 acres.

As a result of initial access restrictions across the Ohio Blenders property (property number 6), the properties numbered 1 through 5 were addressed before the Ohio Blenders property, and are sometimes referred to herein as the Stage 1 properties.

1.2 Geologic Setting

The NWT site is underlain by the Conestoga Formation and the Pure Limestone Member of the Kinzers Formation. The Conestoga Formation consists of impure, gray limestone. Both units are susceptible to sinkholes and a highly irregular, pinnacled bedrock surface may occur below a deceptively smooth land surface.

The site is located within the Codorus Creek watershed, and the Creek is the receptor for local surface and groundwater. Groundwater and surface water at and in the vicinity of the site flows to the north and northwest. Groundwater is located 13 to 21 feet below the ground surface.

1.3 Previous Investigation Activities

Various phases of investigation were conducted prior to ARM's investigation activities, and these earlier activities provided the basis for the work conducted by ARM. These previous investigation activities included the following:

- A preliminary Phase I Environmental Assessment Report that addressed all of the NWT properties of concern was completed by Edge Environmental, Inc. on June 1, 2004. State and federal records were reviewed, a site reconnaissance was performed, and interviews were conducted with local officials, owners, and occupants regarding each site. This report identified historical site uses and potential environmental issues such as underground storage tanks (USTs), two coal storage areas and a former utility pole storage area (on the Ohio Blenders property), lead-based paint, and waste oil.

- A Revised Phase I Environmental Site Assessment of the properties of concern was completed by Pennoni Associates, Inc. on June 2, 2005. This report expanded on the Edge Environmental assessment report, and included Sanborn maps, historical aerial photographs, and an Environmental Data Resources (EDR) Report. Historical above-ground storage tanks (ASTs), two fire-proof doors, potential PCBs, PAHs, metals associated with the railroad tracks, and numerous mercury-containing thermostats were identified as items of potential environmental concern at the site.

- GTS Technologies, Inc. (GTS) completed an Interim Site Characterization Report for the Keystone Color Works and Ohio Blenders properties dated December 21, 2005. Six surface soil samples were collected along the western side of the Keystone Color Works building. Lead concentrations exceeding the PADEP Statewide Health Medium-Specific Concentration (MSC) for lead were identified in four of the samples. Three geophysical surveys, including metal detection, terrain conductivity, and ground-penetrating radar, were performed on the Ohio Blenders property, and six potential USTs were identified. Potential-PCB containing transformers were also found on the Ohio Blenders property. Thirty six (36) surface soils samples were collected on the Ohio Blenders property, and

arsenic, total chromium, lead and 1,2-diphenlyhydrazine were detected in soils at concentrations that exceed the associated PADEP Statewide Health MSCs in Coal Yards No. 1 and 2. An additional twelve (12) surface soils samples were collected from the area where utility poles had been stored, and the concentrations of creosote-related compounds in these soil samples did not exceed any PADEP MSCs. Three (3) surface soil samples were collected from the area where transformers were located, and the concentrations of PCBs in these samples were below the applicable PADEP MSCs. Eight (8) geoprobe borings were also completed across the site near the suspected UST systems, and soil samples collected from these borings were analyzed for leaded gasoline parameters. One (1) sample indicated a concentration of lead in excess of the PADEP MSC, although all other results were below the applicable PADEP MSCs.

- A Site Characterization Report for Weaver's Auto Body was completed by Alliance Environmental Services, Inc. on June 14, 2006. A geophysical survey was completed at the property to identify the potential presence and location of any USTs, and one (1) abandoned-in-place UST was identified. A total of twenty four (24) soil borings were then completed on site and twelve (12) of the borings were sampled for volatile organic compounds (VOCs). Two samples were also submitted for semi-volatile organics (SVOC) analysis. While some VOCs were detected, the concentrations were below the respective PADEP MSCs.

A summary of the relevant historical data from these previous reports is presented in Appendix A (for the Stage 1 properties) and Appendix B (for the Ohio Blenders property) of this report.

2.0 SITE ASSESSMENT ACTIVITIES

2.1 Soil Sampling Rationale and Methodology

Based on the results of the previous investigation activities, supplemental investigation activities were conducted by ARM to support the identification and delineation of contaminants of potential concern in soils and groundwater at the site, and to ultimately facilitate the completion of an Act 2 Final Report for the site following the implementation of any remediation activities. In general, sampling locations and depths were biased towards locations of potential contamination identified from the previous investigation activities, and/or through supplemental field observations (e.g., staining and color differances, odors, proximity to potential discharge locations, and elevated VOC concentrations in air based on field-screening with a photo-ionization detector). In locations where chemical concentrations were previously identified at levels exceeding the PADEP Statewide Health MSCs (25 PA Code Chapter 250), additional sampling was conducted to delineate the lateral and vertical extent of contamination as required by the Chapter 250 regulations for Act 2 projects. Monitoring well locations were selected to help define groundwater flow directions and to provide for monitoring of groundwater quality at the downgradient site boundary.

All sampling and analysis was conducted in accordance with all applicable PADEP regulations and guidance for the collection and analysis of environmental samples (e.g., the PADEP's Act 2 Technical Guidance Manual, Groundwater Monitoring Guidance Manual, etc.). Specific protocols included the decontamination of non-disposable sampling equipment prior to sample collection, and the proper preservation and chain-of-custody handling of all samples selected for laboratory analysis. Most samples were analyzed by Analytical Laboratory Services, Inc. (ALSI) of Middletown, Pennsylvania, with the remaining samples analyzed by Caliber Analytical Services of Towson, Maryland.

2.2 Soil Sampling Activities and Results

Soil delineation and characterization sampling activities were conducted in a number of phases between July 2007 and May 2011. The sampling activities included a geophysical survey and test pit investigation to support the identification of potential underground storage tanks (USTs), the use of hand-held sampling equipment (e.g., hand-bucket auger) to collect surface and shallow subsurface soil samples, and the use of Geoprobe direct-push equipment to facilitate the collection of deeper soil samples. In many cases supplemental sampling activities were conducted prior to and during the remediation activities to more closely delineate contamination prior to final attainment sampling.

The sampling activities and results are discussed in the following subsections. The sampling locations are shown on the figures that follow the text of this report, and the sampling results are summarized on the attached data summary tables. The laboratory data sheets from the analytical work are presented in Appendix C (for the Stage 1 properties) and Appendix D (Ohio Blenders property) of this report.

2.2.1 York Rail

As generally depicted on the attached Figure 2, this area consists of one warehouse, one retail building, a paved parking lot, a gravel lot, and two sets of railroad tracks. The western portion of the northern building was demolished in 2008.

A total of thirty one (31) surface and shallow subsurface soil samples were collected across these properties using a hand auger or Geoprobe direct-push equipment. Twelve (12) samples were initially collected and submitted for analysis of Target Compound List (TCL) VOCs, TCL SVOCs, and Resource, Conservation, and Recovery Act (RCRA) metals. Additionally, one (1) soil sample was analyzed for polychlorinated biphenyls (PCB) and another was analyzed for herbicides. Based on the results from these initial samples, nineteen (19) additional samples were collected and submitted for analysis of arsenic and chromium in an attempt to further delineate the horizontal and vertical extent of these constituents. The sample locations are shown on Figure 2, and the laboratory results are summarized on Table 1.

As shown on Table 1, the initial sampling and analysis activities indicated the presence of arsenic, benzo(a)pyrene and dibenzo(a,h)anthracene at concentrations in excess of the PADEP Residential Direct Contact and soil-to groundwater (arsenic only) MSCs. No other VOCs, SVOCs, herbicides or PCBs were detected at concentrations in excess of any PADEP MSCs. Total chromium was also detected at a few locations at concentrations that exceeded the Residential Direct MSCs for hexavalent chromium (i.e., chromium VI).

Based on the PADEP MSC exceedances detected in the initial samples, 19 additional samples were collected from around and below the locations with the initial exceedances. Existing site features and conditions limited the additional delineation in some locations (e.g., railroad tracks, off-site properties, building foundations, concrete pads, etc.). Because the initial exceedances were largely for arsenic and chromium VI, these supplemental delineation samples were analyzed for arsenic and chromium. The analysis for chromium included chromium VI at locations where total chromium was detected at the highest concentrations, and these analyses confirmed the absence of chromium VI at the site (so data tables present the MSCs for chromium III). Additional analysis for benzo(a)pyrene and dibenzo(a,h)anthracene was not conducted because the concentrations detected were almost all lower than the MSCs that existed at the time of the work, because arsenic was determined to be a better indicator of soils of potential concern, and because benzo(a)pyrene and dibenzo(a,h)anthracene (which are products from the incomplete combustion of petroleum hydrocarbons) were not identified as being site-related, and are commonly detected background constituents in surface materials in urban settings, particular where historic filling may have taken place, and where vehicle traffic (cars, trains, etc.) has occurred. The sampling results are shown on Table 1, with the sample locations shown on Figure 2.

Based upon these results, the area of impacted soils was delineated. In general, contaminated soils were generally limited to the top one to two feet of soil in the area immediately south of the southern warehouse, adjacent to the existing York Rail property. The extent of contaminated soils is shown on Figure 2.

2.2.2 Keystone Color Works

As generally depicted on the attached Figure 3, this parcel consists of the existing, triangular-shaped Keystone Color Works industrial building and associated parking lot to the east, with a small tract of gravel-covered soil along the western edge of the building. Railroad tracks and associated right-of-way owned by York Rail mark the western property boundary.

Based on previous sampling conducted at this site, which indicated the potential for elevated lead concentrations in the soils along the western edge of the building, ARM initially collected ten (10) soil samples from the area along the western side of the Keystone Color Works building. These samples were collected from the surface or shallow subsurface using a decontaminated hand bucket-auger, and were submitted for analysis of lead. The sample locations and depths were selected to supplement the previous characterization and to support delineation of the elevated lead concentrations previously detected. As summarized on Table 2 and Figure 3, five (5) of the surface samples and one (1) of the subsurface samples had concentrations of lead exceeding the PADEP Residential Direct Contact MSC and Soil-to-Groundwater MSC. Lead was detected at a concentration at or above the Non-Residential Direct Contact MSC at two locations.

Based on the initial sampling results, supplemental sampling was conducted to refine the vertical and lateral delineation of the lead contamination. Eight (8) supplemental soil samples were collected, and the results and sample locations are shown in Table 2 and Figure 3 respectively. The PADEP MSC exceedances for lead were generally limited to the upper two feet of soil and fill along the western side of the Keystone Color Works building. One sample collected from within the York Rail right-of-way (C-SS14[6”]) had a concentration of lead that is greater than the soil-to-groundwater MSC, but a deeper sample at 16 inches in the same location did not exceed the MSC, and the depth to groundwater in this location is greater than 13 feet, thereby satisfying the soil-to-groundwater buffer distance of 10 feet for lead.

An additional 12 soil samples (samples C-SS15 [6”] through C-SS20 [18”]) were collected from six (6) test pits located in the parking lot immediately to the east of the Keystone Color Works building. All samples were analyzed for lead, and a few samples were also analyzed for arsenic, as arsenic had been identified as a constituent of potential concern across the entire area (suspected to be related to historic fill placement in the area). The analytical results for these samples (summarized on Table 2) were all below the PADEP MSCs.

Ten (10) additional samples (KCW-S1 through KCW-X1) were collected and analyzed for lead during the soil remediation activities (discussed later in this report) to complete the lateral and horizontal delineation of site-related lead contamination in lead. These sample locations and the delineated boundary of lead contamination is shown on Figure 3.

Because samples demonstrated lead concentrations in excess of the Soil-to-Groundwater MSC for lead, one shallow groundwater monitoring well (MW-1S) was installed near the center of the northwestern property boundary. This well provided for the assessment of groundwater quality at this location, and also supported the site-wide assessment of groundwater quality. The

installation and sapling of groundwater monitoring wells at the site is discussed in more detail in Section 2.3 of this report.

2.2.3 Weaver's Auto Body, P&S Motors, and Row Houses

This area consisted of the Weaver's Auto Body Shop, P&S Motors building, four row houses, and two gravel lots. Railroad tracks mark the northern property boundary, North Beaver Street marks the eastern boundary, and Gay Avenue marks the southern property boundary. The Weaver's Auto Body Shop and P&S Motors buildings are depicted on Figure 4. All of the buildings on the properties were demolished in 2007 and 2008, and the property currently consists of an open lot.

Based on the existing and historic site activities, and the previous detection of low levels of petroleum hydrocarbons in soils at the site, ARM completed seventeen (17) soil borings and collected ten (10) soil samples from the north and west sides of the P&S Motors building using Geoprobe direct-push sampling equipment. The borings were advanced to depths ranging from 4 to 12.5 feet below grade. The materials were continuously collected into an acetate sleeve (macro-core sampler), and logged by the attending ARM geologist. The soils were inspected for signs of potential contamination based on odors, staining, and/or elevated readings from a hand-held photoionization detector (PID). Selected samples were submitted to the laboratory for chemical analysis. The soil boring logs from this investigation are included as Appendix F.

Based on the previous investigation results, eight (8) borings were initially completed (DSB1 through 8), and five (5) soil samples were selected for analysis. Three (3) of the samples from the outside soil borings were analyzed for TCL VOCs, TCL SVOCs, PCBs, and RCRA Metals. Of the two (2) samples collected from inside the building by the hydraulic lift, one (1) sample was analyzed for the PADEP Short List for Used Motor Oil and the other sample was analyzed for the PADEP Short List for Heavy Fuels and Lubrication Oil.

Based on the analytical results, and as summarized on Table 3 and Figure 4, benzene was the only constituent that was detected above its respective PADEP MSC. In particular, benzene was detected in sample location D-SB5 (7.5') at a concentration exceeding the PADEP Soil-to-Groundwater MSC, and also above the soil screening value for protection of residential indoor air.

Based on the sampling results from D-SB5 (7.5'), an additional series of six (6) borings (WADSB1 through 6) was conducted to better delineate the extent of benzene in subsurface soils. No signs of contamination were detected in any of these supplemental borings, except for elevated PID readings and petroleum odors at depth at boring WADB-5. Based on these readings, samples were collected from two (2) different depths (7.5' and 11') at this boring and submitted for analysis of benzene and related VOCs. As shown on Table 3, benzene was detected at WADB-5 at a concentration above the Soil-to-Groundwater MSC at the 7.5' depth (but at a concentration lower than at D-SB5 [7.5']), but the concentration was below the PADEP MSC at the 11' depth.

Following the receipt of this data, three final soil borings (D-SB9 through 11) were completed to further define the potential extent of benzene contamination, particularly in the presumed downgradient groundwater flow direction (i.e., northwest). Because of the elevated lead and arsenic detected at other parts of the NWT project, these samples were also analyzed for lead and arsenic. As presented ion Table 3, no constituents were detected at concentrations in excess of the MSCs in these borings.

As can be seen from Figure 4, the benzene contamination at this site was relatively limited, and was fully delineated. Including the previous borings completed by others (SB-1 through SB-24), more than twenty (20) soil borings were completed in the area to the north and west of the P&S Motors building, yet contamination was only detected in two (2) of the borings, and at concentrations only slightly above the PADEP MSC. Also, the contamination was generally limited to a relatively narrow depth interval, approximately the zone of saturated soils located immediately above the underlying bedrock (bedrock was encountered at a depth of approximately 12.5 feet below grade in this area). It is suspected that this contamination is related to a historic condition or closed UST, with some contaminant migration in the saturated zone to the locations where it was detected in the subsurface soils.

Because soil samples demonstrated benzene concentrations in excess of the Soil-to-Groundwater MSC, one shallow groundwater monitoring well (MW-2S) was installed near the center of the northwestern property boundary. This well provided for the assessment of groundwater quality at this location, and also supported the area-wide groundwater investigation. The installation and sapling of groundwater monitoring wells at the site is discussed in more detail in Section 2.3 of this report.

During the site remediation activities, and following demolition of the previous buildings, a 15,000-gallon, unregulated heating oil UST was uncovered and removed as planned. This UST had previously been closed in-place with sandy fill materials, and the UST removal activities included removal of some of these soils to reduce the weight of the tank as needed for its removal from the ground. No evidence of a release was noted in the UST excavation or the soils removed from the tank. Samples were collected from the tank excavation and also from the stockpiled soils removed from the tank (WAB-UST1 and 2, and WAB Stockpile 1 and 2), and analyzed for heating oil parameters. As summarized on Table 3, no constituents were detected at concentrations in excess of any of the potentially applicable PADEP MSCs. The former UST location is shown on Figure 4, and the sample locations are shown on Figure 4a. The tank was transported off-site as scrap to J&K Salvage of York, Pennsylvania, and the sand from the interior of the UST and the soils located immediately adjacent to the UST were taken to Clean Earth Landfill for disposal.

2.2.4 B&C Fasteners Building

As generally depicted on Figure 5, this area consisted of the B&C Fasteners industrial building and a sidewalk. The property is bounded by North Beaver Street on the east, Gay Avenue on the north, Park Lane on the west, and a church on the south. The B&C Fasteners building was demolished in 2008 and the property currently consists of an open lot.

A ground-penetrating radar (GPR) survey of the site was initially conducted to confirm the location of a suspected UST below the sidewalk in front of the B&C Fasteners building, and also to determine the potential presence of any USTs located below the concrete floor slab of the building. The GPR survey confirmed the location of two tanks below the outside sidewalk, and also identified two anomalies beneath the floor of the building. One of the anomalies was two USTs placed closely together, while the other is believed to have been a foundation structure.

A total of fourteen (14) soil samples were initially collected from beneath the building floor of the B&C Fasteners building using Geoprobe direct-push equipment. Ten (10) borings were initially completed (E-SS1 through 10), and ten (10) soil samples were collected and analyzed for TCL VOCs and SVOCs, and RCRA Metals. Sampling results are summarized in Table 4, with sample locations shown on Figure 5. As can be seen from the summary of results in Table 4, no VOCs or SVOCs were detected at concentrations above the PADEP MSCs, but arsenic concentrations exceeded the Residential Direction Contact MSC at several locations, and lead was detected at a concentration exceeding the PADEP Non-Residential and Soil-to-Groundwater MSCs at one sample location E-SS8 (2.5’). To further delineate the arsenic and lead exceedances, four additional soil samples were subsequently collected from a greater depth (4 feet) and were analyzed for arsenic and lead.

To better delineate lead and arsenic across the site, twenty-three (23) additional soil samples were collected and analyzed for lead in September 2008, following demolition of the previously existing building and removal of the concrete floor slab. These results are summarized on Table 4, with 5 of the samples indicating arsenic concentrations in excess of the MSC.

Based on the results summarized on Table 4 and Figure 5, the lateral and vertical extent of the arsenic and lead contamination was fully delineated, with the contamination limited to the fill materials and soils in the upper three feet (approximately) below the floor slab in the locations where exceedances were detected.

In addition to the delineation soil sampling, additional samples were collected and analyzed in association with the removal of four USTs from the site. The locations of these USTs and associated post-excavation soil samples are shown on Figure 5 and Figure 5a, and the activities are summarized below:

- Two heating oil USTs were removed from beneath the sidewalk on the east side of the B&C Fasteners building on October 18, 2007. Environmental Waste Minimization Inc. (EWMI) from Northampton, PA, performed the UST removal activities under ARM’s supervision. There were no signs of any releases from the USTs, and 3 soil samples were collected from the UST excavation. As presented on Table 4, no heating oil constituents were detected in any of the soil samples.

- Two 500-gallon underground heating oil or steam storage tanks were removed from beneath the building following demolition of the building on site. The tanks were transported off site as scrap to J&K Salvage of York, PA. ARM collected two post-excavation soil samples from beneath the tanks, and analyzed them for constituents of

potential concern. As summarized on Table 4, no heating oil constituents were detected in any of the soil samples.

2.2.5 Trestle Area

As generally depicted on Figure 6, this area consisted of a railroad trestle where railroad cars were loaded and unloaded. The trestles were removed sometime in 2008, and stockpiles of soil and debris had been placed in this area by others. Based on observations of the fill and debris, ARM collected a series of soil samples for analyses of RCRA Metals and polyaromatic hydrocarbon SVOCs. Soil sampling locations are presented on Figure 6, and the sampling results are summarized on Table 5.

Based on the sampling results, soil samples collected from the stockpiles indicated concentrations of arsenic and benzo(a)pyrene at concentrations above the Residential Direct Contact MSCs. The concentration of dibenzo(a,h)anthracene at one location was also slightly above the recently lowered MSC (but was below the MSC that existed at the time of the work).

As discussed in Section 4 of this report, the stockpiled soils were removed down to the top of a concrete pad, and post-excavation samples were collected to demonstrate attainment of the Residential Direct Contact MSCs. Based on the presence of arsenic at elevated concentrations in locations where the concrete pad was discontinuous, the concrete pad was subsequently removed, and additional delineation sampling was conducted for arsenic (samples Trestle S1 through 12). As can be seem from the summary of results on Table 5, none of these samples had arsenic concentrations greater than the MSCs.

Based on the results summarized on Table 5 and Figure 6, the lateral and vertical extent of the contamination was delineated by the sampling activities.

2.2.6 Ohio Blenders

The former Ohio Blenders (AlfaGreen Supreme) property is located at 260 North Beaver Street and 132-152 North Pershing Avenue (see Figure 1). The site encompasses approximately 2.04 acres, and is split up by railroad right-of-ways that are owned by York Rail. Ohio Blenders operated eight grain storage silos and a small office located in the northwestern corner of the property, although these structures were removed following completion of the site characterization activities, and prior to the site remediation activities. Review of historical information indicates that the property was originally used for coal and utility pole storage prior to the 1950s. Beginning in the mid-1950s, the property was used as a feed mill, and that use continued up to the date of ARM's investigation.

As summarized earlier, the Ohio Blenders property has undergone various stages of investigation. Phase I and limited Phase II ESAs were completed by other firms prior to ARM's involvement with the project, and ARM was subsequently contracted by the RDA to perform additional site sampling and characterization of the property to support the development and implementation of environmental remediation plans.

ARM conducted supplemental soil sampling across the former Ohio Blenders property between June 2009 and May 2011. The sampling activities included: test pit excavations to explore suspected UST locations; the use of Geoprobe direct-push equipment to facilitate the collection of shallow and deep soil samples; and the use of hand-bucket auger and/or hand-trowel to collect additional shallow and post-excavation soil samples. Sample locations were determined based upon analytical results from prior site investigations, including the Edge Environmental, Pennoni Associates, and GTS Technologies reports, and supplemental sampling events were added as appropriate to help better delineate the horizontal and vertical extent of contamination detected at the site. The sampling locations are shown on Figures 7 through 9 that follow the text of this report, and the sampling results are summarized on Table 6.

A mini-excavator was used on June 12, 2009 to investigate potential UST locations that were identified in the GTS Technologies interim site characterization report. No USTs were discovered during the test pit activities (or during subsequent site demolition and soil excavation activities), and it appears that all USTs have been previously removed from the site.

ARM collected 165 shallow and deep subsurface soil samples across the Ohio Blenders property from June through August 2009 using Geoprobe direct-push equipment. These samples were collected over the course of a series of investigations, with the primary goals of characterizing the nature of contamination in the soils at the site, and delineating the vertical and horizontal extent of contamination at the site.

Samples were initially collected from the previously identified areas of potential concern, with analyses conducted for the previously identified constituents of potential concern (i.e., arsenic, lead, total chromium and/or 1,2-diphenylhydrazine). Following receipt of the initial samples, subsequent samples were analyzed for arsenic, lead, and/or chromium as needed to help delineate the extent of contamination, as defined by exceedances of the PADEP Statewide Health MSCs. Analysis was also conducted for hexavalent chromium (chromium VI) on a soil sample collected from the area of potential concern for chromium (southwestern corner of the site).

As shown on Table 6, and also highlighted on Figures 7 through 9, a number of samples contained arsenic at concentrations in excess of the PADEP Residential Statewide Health MSCs (relevant sampling results from the historical sampling is also presented on the figures), and a few samples exceeded the MSC for lead. None of the samples analyzed for chromium exceeded the MSCs for total or hexavalent chromium, and hexavalent chromium was not detected. The arsenic MSC exceedances were detected at many locations across the site, but were generally limited to the upper 4 feet of soil and fill materials. The lead exceedances were detected in two general areas in the northeast corner of the site, and extended to depths of up 6 feet below grade. Based on visual observations of soil borings and test pits (i.e., a generally darker coloration and non-native appearance for the soils associated with the elevated arsenic and lead concentrations), the site location, and the absence of any apparent contaminant concentration gradient as would be expected from a surface or subsurface spill or release, the concentrations of concern are believed to be associated with historic fill materials that were placed across the site at some time in the past to increase the grade and level it off.

Following receipt and evaluation of the above-referenced sampling results, including plotting sample results and locations on a detailed site map, additional rounds of sampling and analysis were conducted prior to and during the completion of soil removal activities to ensure that all MSC exceedances were fully delineated laterally and vertically.

2.3 Groundwater Sampling Activities and Results

A total of eight monitoring wells were installed across the Northwest Triangle properties to characterize groundwater flow directions and groundwater quality across the area. All wells were installed using air-rotary drilling methods by a qualified well driller under the oversight and direction of an ARM geologist. Wells were constructed in accordance with applicable PADEP guidance, and generally consisted of 2-inch diameter PVC well screen and solid riser within a 6-inch borehole. Following installation, each of the monitoring wells was developed by over-pumping, although the well yields were relatively low because of the low-permeability of the formation. The monitoring well locations are shown on the attached Figures 10 through 12, and monitoring well drilling and construction logs are provided in Appendix F.

The monitoring wells are briefly discussed as follows:

- MW-1S and MW-2S are shallow wells intended to monitor the upper water-bearing zone at an upgradient location across the NWT properties. MW-1S is approximately 48 feet deep, and was drilled along the west side of the Keystone Color Works Building where the highest lead concentrations were detected in site soils. MW-2S is approximately 25 feet deep, and was constructed on the former Weaver's Auto Body property immediately downgradient of where elevated benzene concentrations were detected in soils. These wells were both installed in January 2008.

- Monitoring wells MW-3S, MW-4S, and MW-5S were installed to approximately 50 feet below ground surface (bgs), and are used to monitor shallow groundwater. Monitoring wells MW-3B, MW-4B, and MW-5B were installed from 130 feet to 150 feet bgs, and are used to monitor deeper groundwater found in the bedrock at the site. These wells were installed in June 2009 (after access to the former Ohio Blenders property was granted) to provide for the determination of water quality along the downgradient site boundary, and to supplement the information provided by the two monitoring wells (MW-1 and MW-2) previously installed at upgradient properties.

Six separate groundwater sampling events were conducted between January 2008 and August 2011 to characterize groundwater flow directions and groundwater quality across the site. Depth to groundwater measurements were collected from each of the monitoring wells at the start of each sampling event, and prior to the removal of water from any of the wells. Each of the wells was then purged of water with a small submersible pump at a low pumping rate until field parameters (pH, temperature, specific conductance and dissolved oxygen) had generally stabilized, or until additional water could not be removed because of the low permeability of the surrounding materials. When each well had recovered sufficiently to allow for sampling, samples were collected, bottled, preserved, and transported to the analytical laboratory in accordance with applicable guidance and regulations.

Groundwater contour maps were developed from the depth-to-groundwater data to estimate groundwater flow directions and gradients. To support the development of these maps, the relative well casing elevations were surveyed with a level and rod using a local benchmark with an estimated elevation. The groundwater level measurements are summarized on the attached Table 13, and groundwater table contour maps for three of the events are presented as Figures 10, 11 and 12 (the estimated contours were similar for all events, with Figures 10, 11, and 12 being generally representative of all events). Based on the inferred groundwater contours presented on Figures 10 through 12, the groundwater flow direction in the area is generally towards the northwest corner of the Ohio Blenders property, towards monitoring wells MW-4S and MW-4B (i.e., the downgradient-most, point of compliance wells). Groundwater flow was expected to be towards the creek, although the apparent localized depression in the groundwater table in the vicinity of MW-4S/B could be the result of preferential flow conditions (e.g., bedrock fracture) and/or off-site pumping from across the creek. Where shallow and deep wells were paired, the vertical gradients were generally close to zero or very small, and sometimes varied from upward to downward. A more notable downward vertical gradient is suggested by the depth-to-water measurements at the MW-3 and MW-4 well pairs during the July 2009 event.

The groundwater quality results are summarized on the attached Table 14, and the analytical data sheets are presented in Appendix E. Based on the analytical results, the groundwater quality across the site is characterized as follows:

- Other than a few isolated and questionable exceedances of the residential used aquifer MSCs for lead, trichloroethene (TCE), and bis(2-ethylhexyl)phthalate (DEHP), no constituents were detected at concentrations greater than the MSCs.

- The few exceedances that were detected were all just marginally above the MSCs, and were intermittent both spatially and temporally. There were no indications of a groundwater contaminant plume or any other notable problems in groundwater.

- The marginal MSC exceedances for lead are believed to be related to excessive turbidity in the original samples as caused by well drilling and prior to full well development, and are not considered to be valid or representative results. In all four of the instances that lead was detected above the MSC in the groundwater samples, the detections only occurred during the first sampling events, which all occurred less than 2 weeks following well installation. After the first sampling events, lead was not even detected in any of the on-site wells during any of the subsequent sampling events, and over the course of more than 3 years. The relatively low yields and long recovery periods for the wells supports the conclusion that the initial lead results are associated with the well installation activities and incomplete well development, and these results are therefore not representative of the groundwater quality.

- TCE and DEHP are not known or suspected to be site-related based on the understanding of the historic site operations, and were not detected in the site soils during any of the characterization sampling activities. DEHP is a plasticizer and a common laboratory and field contaminant, and its detection is believed be related to some minor degradation of

the PVC well casing and/or or other plastic materials associated with the groundwater sample collection and analysis process. Carbon disulfide, which is one of the most commonly used solvents for DEHP, was detected at low concentrations at monitoring well MW-3B, where the isolated exceedances of the DEHP MSC were detected.

- Other than the one marginal and unrepresentative exceedance of the lead MSC at MW-4B immediately following well drilling, no constituents were detected above the residential used aquifer MSCs at the downgradient, point of compliance monitoring wells MW-4S and MW-4B during all 4 sampling events.

3.0 EXPOSURE ASSESSMENT

3.1 Direct Contact Exposures

As presented in Section 4.0 of this report, all soils identified with constituent concentrations above the PADEP Residential Statewide Health MSCs have been removed from the site. Based upon the removal of these soils, there are no current or future direct contact exposure pathways or associated risks of potential concern.

With respect to groundwater, groundwater is not currently used at the site, and future groundwater use is not anticipated based on the site's location within the City of York and the availability of public water supplies. In addition, with the exception of a few isolated and potentially anomalous results, groundwater quality at the site has been shown to meet the residual used aquifer MSCs. As a result, exposures to groundwater are not a potential concern.

3.2 Ecological Screening

In accordance with Sections 250.311, current and future potential exposures to site-related conditions by environmental receptors were evaluated. The site is located within an industrial and urban setting, has historically been used for industrial and commercial activities, and there are no sensitive environmental habitats on or immediately adjacent to the site. The Codorous Creek forms the northern boundary of the York Rail property, but does not represent an exposure pathway of potential concern because of its relatively large flow and dilution capacity, along with the absence of any constituents of concern in groundwater the downgradent monitoring wells. Based on these conditions, along with the removal of all soils identified to have constituents in excess of the Residential MSCs, there are no ecological receptors of potential concern.

3.3 Vapor Screening

Potential inhalation exposure pathways associated with the site were evaluated as required by the prevailing regulations and guidance. As a result of this analysis, and based on the following factors, there are no potential vapor intrusion risks associated with the site soils or groundwater, and additional analysis of the vapor intrusion pathway is not warranted: the site contaminants were almost exclusively limited to metals and a few SVOCs that do not present vapor intrusion risks; none of the concentrations detected in soils or groundwater exceeded any of the PADEP default screening values for potential vapor intrusion risks; and all soils with concentrations that exceeded the Residential MSCs were removed.

4.0 SITE REMEDIATION ACTIVITIES

4.1 Soil Remediation Activities and Results

A Notice of Intent to Remediate (NIR) was filed with PADEP and local newspapers in September 2008 for the NWT properties. A copy of the NIR and proofs of publication are included in Appendix K. Selected project photographs are provided in Appendix I.

A general summary of the remedial activities follows:

- Soils with arsenic, benzene, benzo(a)pyrene, and lead concentrations above the applicable PADEP MSCs were excavated and removed from the NWT properties. These soils were sent to approved locations (i.e., Clean Earth Landfill in Hagerstown, MD, Cumberland County Landfill in Newburg, PA, and Modern Landfill in York, PA) for proper disposal or approved beneficial reuse. In total, approximately 14,500 tons (9,500 cubic yards [cy]) of impacted soils were removed from the NWT properties. Excavation areas are generally shown on Figures 2 through 9 of this report (with approximate final excavation depths shown in different-colored shading and associated depth labels on these figures), and summarized on Figure 13.

- Soils exceeding the MSCs were excavated laterally and vertically until the clean soil sample locations (i.e., with concentrations less than the Residential MSCs) were reached, or until post-excavation sampling results supported a statistical demonstration that the Residential MSCs had been reached vertically. Where the identified contamination was believed to be associated with historic fill materials that were placed across the area by others, rather than being related to any previous site operations, the soil removal activities did not extend beyond the NWT property boundaries. Where a statistical analysis was used to determine the depth of vertical excavation, a sampling grid was established and sample locations were based on a systematic-random sampling process developed in accordance with PADEP regulations and guidance (see Figures 9 and 12 of Appendix H for determination of grid sampling points). Where the post-excavation sampling indicated that the Residential MSCs had not been attained, additional soil was removed from the areas found to have concentrations in excess of the MSC, and a subsequent sampling grid was established and samples collected. In accordance with PADEP regulations and guidance (e.g., Section 250.703), the number of samples collected for statistical determinations was based on the estimated volume of soil excavated from the delineated area (i.e., 8 samples for soil volumes of 125 cy or less, and 12 samples for volumes up to 3,000 cy). All laboratory results for the post-excavation sampling are included in the attached Appendix G, with supporting figures and related information presented in Appendix H. Disposal documentation is included in Appendix J.

- Except for portions of the Ohio Blenders property that are anticipated for future site disturbance, clean backfill materials were placed and compacted in the excavated areas to restore the areas to their original grades (or in the case of the former Trestle area, to bring the area flush with the surrounding grades). Backfill materials were suitable on-site or

off-site materials meeting the definition of Clean Fill as presented in the PADEP Management of Fill Policy document (April 2004). Backfill consisted of relatively homogeneous natural soils or aggregates that were free of debris, foreign objects, and organics, and no particles larger than 3 inches. Backfill was spread and compacted in loose lifts of no greater than 8 inches. Based on full-time oversight by a geotechnical engineer and periodic testing with a nuclear density gauge, all backfill was compacted to no less than 95% of the maximum dry density, at a moisture content within +/- 3% of the optimum moisture content, as determined by the Standard Proctor Compaction Test (ASTM D698).

A brief summary of the remediation activities at each of the NWT properties is presented in the following subsections.

4.1.1 York Rail

Based upon the sampling results, soils were excavated from the upper two feet (approximately) in the areas where arsenic and benzo(a)pyrene were detected at concentrations above the Residential MSCs. The lateral boundaries of the excavation were defined by soil samples with concentrations below the Residential MSCs, and/or where defined by existing building foundations and the like.

Post-excavation soil sampling was completed using a systematic random sampling grid. The sample locations are shown on Figure 1 of Appendix H, and the sampling results are summarized on Table 7. As shown on Table 7, none of the post-excavation soil samples exceeded the residential MSCs for lead, and only one of the samples exceeded the residential MSC for arsenic. Because more than 75% of the samples had arsenic concentrations lower than the MSC, and because none of the concentrations were more than 10 times the MSC, attainment of the residential MSC for lead and arsenic has been demonstrated in accordance with Sections 250.703 and 250.707.

All removed soils were sent to Clean Earth Landfill for proper disposal or treatment/recycling, and the excavated areas were backfilled with clean fill. Approximately 1,170 tons (780 cy) of contaminated soils were removed from this property.

4.1.2 Keystone Color Works

Soil was excavated from along the western side of the Keystone Color Works building to a depth of up to approximately two feet in the areas where PADEP MSC exceedances were detected. Following soil excavation, post-excavation confirmatory soil sampling for lead was conducted using a systematic random process. Sample locations are generally shown on Figure 2 of Appendix H, and the results are summarized on Table 8. As can be seen from Table 8, all post-excavation sample results were below the applicable PADEP Residential MSCs.

All removed soils were sent to Clean Earth Landfill for proper disposal or treatment/recycling, and the excavated areas were backfilled with clean fill. Approximately 156 tons (104 cy) of contaminated soils were removed from this property.

Although not part of the Act 2 process, it should also be noted that additional cleanup activities were completed within the Keystone Color Works building by a qualified remediation contractor as part of the site remediation work. This work included the off-site disposal of all chemicals, products, production equipment, asbestos, and other interior materials and debris, and the inspection, cleaning and closure of all sumps and tanks within the building.

4.1.3 Weaver's Auto Body, P&S Motors, and Row Houses

Based upon the sampling results, subsurface soils located between approximately six and nine feet below grade were excavated from the two separate locations shown on Figure 4. These subsurface soils are suspected to have been contaminated from a leak in a former heating oil UST adjacent to this area. The groundwater table was encountered at approximately 12 to 13 feet below grade in this location.

Following removal of the impacted soils, there were no indications of any residual contamination from staining, odors or elevated PID readings, and post-excavation samples were therefore collected using a random systematic sampling grid. Sample locations are shown on the attached Figure 3 of Appendix H, and the analytical results are summarized on Table 9. As can be seen from Table 9, eight samples were collected from each excavation for analysis of benzene, and all analytical results were below the applicable PADEP MSCs (benzene was not detected in any of the samples). The soils located shallower than approximately six feet below grade were not contaminated, and were backfilled on site following removal of the contaminated soils and receipt of acceptable post-excavation soil sampling results.

All removed soil was properly disposed of at Clean Earth Landfill, and the excavations were backfilled the rest of the way with imported clean fill. Approximately 104 tons (70 cy) of contaminated soils were removed from this property.

As discussed previously, a 15,000 gallon heating oil UST was also removed from the site, but the post-excavation soil samples did not indicate any MSC exceedances or need for additional soil removal.

4.1.4 B&C Fasteners Building

Based upon the sampling results, shallow soils were excavated from below the floor slab of the building to depths ranging between 10 inches and 54 inches where PADEP MSC exceedances were detected. These activities were conducted following demolition of the structure, and removal of the floor slab. Three separate excavations were completed, as shown on Figure 5.

Following soil excavation, post-excavation confirmatory soil sampling was conducted within each excavation area using a systematic random sampling grid. Approximate sample locations are shown on Figures 4, 5 and 6 of Appendix H, and the analytical results are presented on Table 10. As shown on Table 10, the post-excavation sampling results indicated a few exceedances of the MSC for arsenic in the western and northern excavation areas, but in both cases, at least 75% of the samples had concentrations below the MSC, and no result was greater than 10 times the

MSC. No MSC exceedances were detected in the post-excavation samples from the eastern excavation. As a result, attainment of the residential MSC for lead and arsenic has been demonstrated in accordance with Sections 250.703 and 250.707.

All removed soil was properly reused or disposed of at Clean Earth Landfill, and the excavated areas were backfilled with clean fill. Approximately 1,170 tons (780 cy) of contaminated soils were removed from this property in total, with the significant majority from the western excavation area (less than 125 cy were removed from each of the northern and eastern excavations).

As discussed previously, 4 separate USTs were also removed from this property, but the post-excavation samples did not indicate any concentrations in excess of the residential MSCs.

4.1.5 Trestle Area

The contaminated soil and debris located in the trestle area (see Figure 6) were excavated and removed for off-site recycling and/or disposal.

The excavation initially included removal of the stockpiled soil and debris followed by the collection of post-excavation soil samples for arsenic and benzo(a)pyrene. These sampling locations are shown on Figure 7 of Appendix H, and the results are summarized on Table 11. As can be seen from Table 11, benzo(a)pyrene was demonstrated to meet the 75/10x rule of 250.707, demonstrating attainment of the residential MSCs for benzo(a)pyrene. However, arsenic concentrations were detected in excess of the MSC in more than 25% of the samples, and therefore additional excavation was conducted, followed by additional post-excavation soil sampling and analysis. The second round of post-excavation sampling was conducted on March 17, 2009, with the approximate sample locations shown on Figure 8 of Appendix H, and the results summarized on the last page of Table 11. Because more than 75% of these samples had arsenic concentrations lower than the MSC, and because none of the concentrations were more than 10 times the MSC, attainment of the residential MSC for arsenic was demonstrated in accordance with Sections 250.703 and 250.707.

All soil removed from the trestle area was properly reused or disposed of at Clean Earth Landfill, and the entire area was backfilled with clean fill to a level, free-draining surface even with the surrounding land. Approximately 1,950 tons (1,300 cy) of contaminated soils were removed from this property.

4.1.6 Ohio Blenders

Based upon the sampling results, soils with constituent (generally lead and/or arsenic) concentrations in excess of the residential MSCs were excavated from a number of locations across the site and depths ranging from approximately 16 inches to 7 feet below the initial grade, as generally shown on Figures 7, 8 and 9. Where lead was present at concentrations above the MSC, the excavations were continued laterally and vertically until sample locations with no MSC exceedances were reached. Soils with exceedances of the arsenic MSC were excavated laterally and vertically until samples with no MSC exceedances were reached, although in some

cases the vertical extent of the contamination had not been fully defined, and post-excavation samples were collected from the base of the excavation. In some cases, these post-excavation samples indicated arsenic concentrations that were still above the residential MSCs, and additional soil removal was conducted in these areas.

Following all soil excavation, final, post-excavation confirmatory soil sampling was conducted within the three large excavation areas where the vertical extent of arsenic MSC exceedances had not been fully delineated (the western part of the site was split into two separate sampling areas based on the configuration, depth differences and size of the soil removal areas). A separate systematic random sampling grid was established for each of the three excavation areas, as shown on Figures 10 and 11 of Appendix H. Approximate sample locations are shown on Figures 10 and 11 of Appendix H, and the analytical results are presented on Table 12. As shown on Table 12, the post-excavation sampling results indicated a few exceedances of the MSC for arsenic in each of the excavation areas, but in all cases, at least 75% of the samples had concentrations below the MSC, and no result was greater than 10 times the MSC. As a result, attainment of the residential MSC for lead and arsenic has been demonstrated in accordance with Sections 250.703 and 250.707.

All excavated soils were sent off-site for proper disposal at Cumberland County Landfill (soils that had concentrations in excess of the non-residential MSCs) or beneficial reuse at Modern Landfill (soils with concentrations above the residential MSCs but below the non-residential MSCs). Based on the high lead concentrations detected at some of the locations, TCLP analysis for lead was conducted prior to off-site disposal to ensure that the materials would not be classified as hazardous waste. In total, approximately 10,000 tons (6,660 cy) of impacted soils were removed from the site, with roughly equal volumes (approximately 2,000 cy) removed from each of the three large excavation areas where systematic random sampling was conducted to demonstrate attainment of the residential MSCs.

5.0 SUMMARY OF ATTAINMENT DEMONSTRATION

5.1 Introduction

This section summarizes the information used to demonstrate attainment of the Act 2 Residential Statewide Health Standards (SHSs) for organic and inorganic constituents detected in soils and groundwater at the site. In general, attainment of the SHSs has been attained through the excavation and off-site disposal of all soils with constituent concentrations detected at levels greater than the Residential SHSs, and the applicable provisions of Sections 250.702, 250.703, 250.704 and/or 250.707 of the Chapter 250 requirements, and a formal release of liability for the constituents detected in the soils and groundwater at the NWT Properties (as detailed previously) is requested in accordance with the provisions of Act 2.

5.2 Soils

As detailed in this report, a detailed characterization of the site soils was completed in accordance with the applicable Chapter 250 regulations. Various constituents were detected at concentrations in excess of the Residential SHSs at various locations across the NWT properties. With the exception of elevated lead concentrations adjacent to the Keystone Color Works building, two small areas of benzene contamination at the former Weavers Auto Body property, and some isolated areas of elevated lead concentrations at the Ohio Blenders property, the organic and inorganic constituents detected at the site are believed to be associated with historic fill placement across the area (the constituent types and concentrations, as well as the site setting is consistent with this interpretation), rather than with historic site operations. Regardless of the source of the contamination, all soils with constituent concentrations greater than the Residential SHSs were delineated laterally and vertically, and removed from the site as confirmed by the sampling activities and results presented herein. In many cases the excavation boundaries were defined by soil sampling results where no exceedances of the Residential SHSs were detected, with the vertical excavation boundaries defined by PADEP-accepted statistical sampling and analysis procedures in all other areas. As a result, attainment of the Residential SHSs has been demonstrated for soils at the NWT properties.

5.3 Groundwater

As presented in Section 2 of this report, the groundwater quality across the site is characterized as follows (refer to Table 14 for a summary of the groundwater analytical results):

- Other than a few isolated and questionable exceedances of the residential used aquifer MSCs for lead, trichloroethene (TCE), and bis(2-ethylhexyl)phthalate (DEHP), no constituents were detected at concentrations greater than the MSCs in any of the wells during any of the sampling events.

- The few exceedances that were detected were all just marginally above the MSCs, and were intermittent both spatially and temporally. There were no indications of a groundwater contaminant plume or any other notable problems in groundwater.

- The marginal MSC exceedances for lead are believed to be related to excessive turbidity in the original samples as caused by well drilling and prior to full well development, and are not considered to be valid or representative results. In all four of the instances that lead was detected above the MSC in the groundwater samples, the detections only occurred during the first sampling events, which all occurred less than 2 weeks following well installation. After the first sampling events, lead was not even detected in any of the on-site wells during any of the subsequent sampling events, and over the course of more than 3 years. The relatively low yields and long recovery periods for the wells supports the conclusion that the initial lead results are associated with the well installation activities and incomplete well development, and these results are therefore not representative of the groundwater quality.

- TCE and DEHP are not known or suspected to be site-related based on the understanding of the historic site operations, and were not detected in the site soils during any of the characterization sampling activities. DEHP is a plasticizer and a common laboratory and field contaminant, and its detection is believed be related to some minor degradation of the PVC well casing and/or or other plastic materials associated with the groundwater sample collection and analysis process, rather than a reflection of groundwater quality. Carbon disulfide, which is one of the most commonly used solvents for DEHP, was detected at low concentrations at monitoring well MW-3B where the isolated exceedances of the DEHP MSC were detected, and is suspected to be a likely cause of the DEHP detections in the samples collected from this well.

- Other than the one marginal and unrepresentative exceedance of the lead MSC at MW-4B immediately following well drilling, no constituents were detected above the residential used aquifer MSCs at the downgradient, point of compliance monitoring wells MW-4S and MW-4B during all 4 sampling events. As a result, groundwater quality across the site meets the Residential MSCs for used aquifers (although it is noted that groundwater at the site is not used currently, and is not planned or expected to be used in the future).

To further support the attainment demonstration for groundwater, potentially applicable provisions from the Chapter 250 regulations are discussed below:

- According to Section 250.702(b)(2), the attainment demonstration can rely on knowledge of the plume stability or other acceptable method that shows the contaminant concentration at the point of compliance will not exceed the selected standard. As discussed above, no contaminant plumes have even been identified in groundwater at the site, and other than the one marginal exceedance of the lead MSC at MW-4B that is considered to be invalid as discussed above, no constituents were detected at the downgradient point-of-compliance wells MW-4S and MW-4B at concentrations in excess of the Residential MSCs. Similarly, no constituents were detected at concentrations above the MSCs at these wells during any of the three, representative sampling events that span a period of more than 2 years. As a result, and based on the long history of contamination across the NWT properties with no identified plume or increasing concentration trends, there is nothing to suggest that the MSC will be exceeded at the

point of compliance at any time in the future. When all of the results are lower than the MSC, such as in this case, additional statistical analysis is not required.

- According to Section 250.702(b)(2), even if statistical methods would be required to demonstrate attainment of the selected standard, the PADEP can accept (e.g., through approval of this Final Report) fewer than 8 consecutive quarterly sampling events under certain circumstances which are discussed as follows:

    - Adequate special monitoring of the plume at upgradient locations should indicate a decreasing concentration trend toward the downgradient property boundary. In this case, the groundwater monitoring network extends across almost the entire NWT area, including upgradient areas. As shown from the data, there is not even any indication of any contaminant plumes or upgradient source areas to which a trend analysis can really be applied, and in the few locations and instances where anything was even detected in groundwater, the concentrations are generally lowest at the downgradient-most wells MW-4S and MW-4B.

    - Parameters affecting the fate and transport of regulated substances within the plume are to be fully evaluated. In this case, the fate and transport of contaminants is characterized by a comparison of the results from upgradient and downgradient locations, and no contaminant plumes of potential concern have been identified.

    - Concentrations of regulated substances in the plume at the point of compliance wells should be less than or equal to the MSC during the monitoring events that are accepted for the attainment demonstration. In this case, and neglecting the one, anomalous, marginal and considered to be invalid exceedance of the MSC for lead at MW-4B, all subsequent sampling events at MW-4B, and all sampling events at MW-4S (i.e., the downgradient point of compliance wells) did not indicate any regulated substances at concentrations above the Residential SHSs.

    - Potential concerns are reduced when the age of the plume is sufficiently well known to permit a judgment to be made regarding the plume stability, and/or when the remediation includes source removal or other actions to reduce the chemical flux into the plume. In this case, a contaminant plume has not even been identified, but the conditions should be in general equilibrium (with the exception of the initial sampling results immediately following well installation) based on the historic presence of the contaminants detected at the site, and any potential source areas (e.g., for lead) were removed as part of the site remediation activities.

- Consistent with Section 250.707(b)(2), if statistical tests are required to demonstrate attainment of the SHSs, 75% of all samples collected from each well shall be less than or equal to the SHS, with no individual result exceeding 10 times the SHS on the property, and 2 times the SHS beyond the property boundary. As can be seen from Table 14, these criteria are met for all sampling events at all wells. Similarly, even when the sample

results considered to be invalid due to aquifer disturbance are considered, the average concentrations of all constituents at all wells are below the Residential SHSs.

5.4 Conclusions

As summarized above, and through the submittal of this Final Report, PADEP confirmation of the release of liability afforded under Act 2 for the metals and organics detected in the soils and groundwater at the Northwest Triangle properties is requested. Finally, and because no additional engineering or institutional controls are required to maintain a cleanup standard, and in accordance with Section 250.312(e), a post-closure care plan in not required and has not been included.

6.0 REFERENCES

A. PA Department of Environmental Protection. Act 2 Land Recycling Program Manual. June 2002.

B. Various Reports and Letters by others as follows:

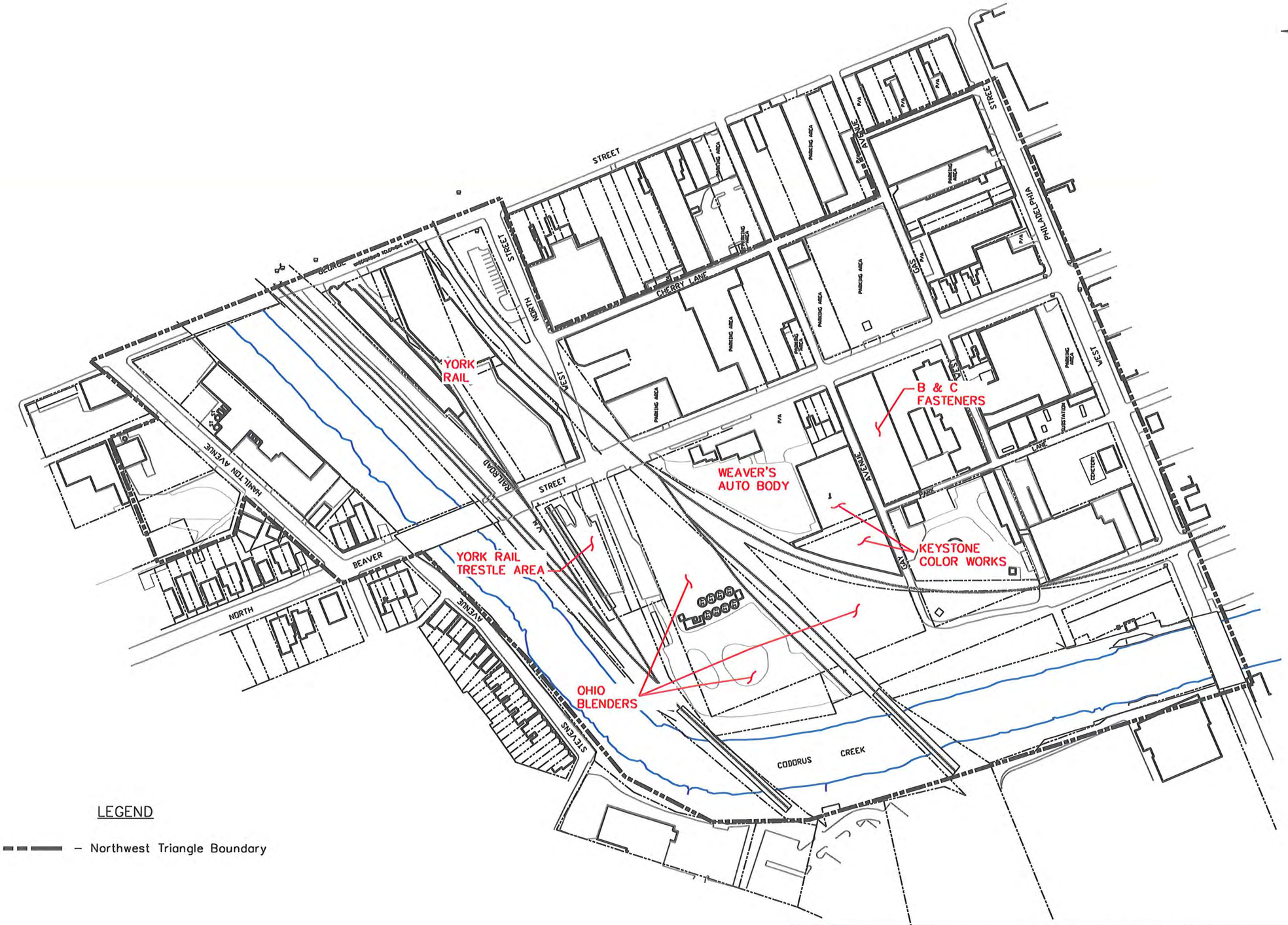
1. June 1, 2004, Environmental Assessment, Edge Environmental Inc.

2. December 23, 2004, rev. June 2, 2005, Phase I Environmental Site Assessment, Southern Parcel of the Northwest Triangle, Pennoni Associates, Inc.

3. December 21, 2005, Interim Site Characterization, Keystone Color Works and Ohio Blenders, GTS Technologies, Inc.

4. June 14, 2006, Site Characterization Report, Weaver's Auto Body, Alliance Environmental Services, Inc.

FIGURES



LEGEND

— — — — Northwest Triangle Boundary

0 200 400 600

SCALE IN FEET

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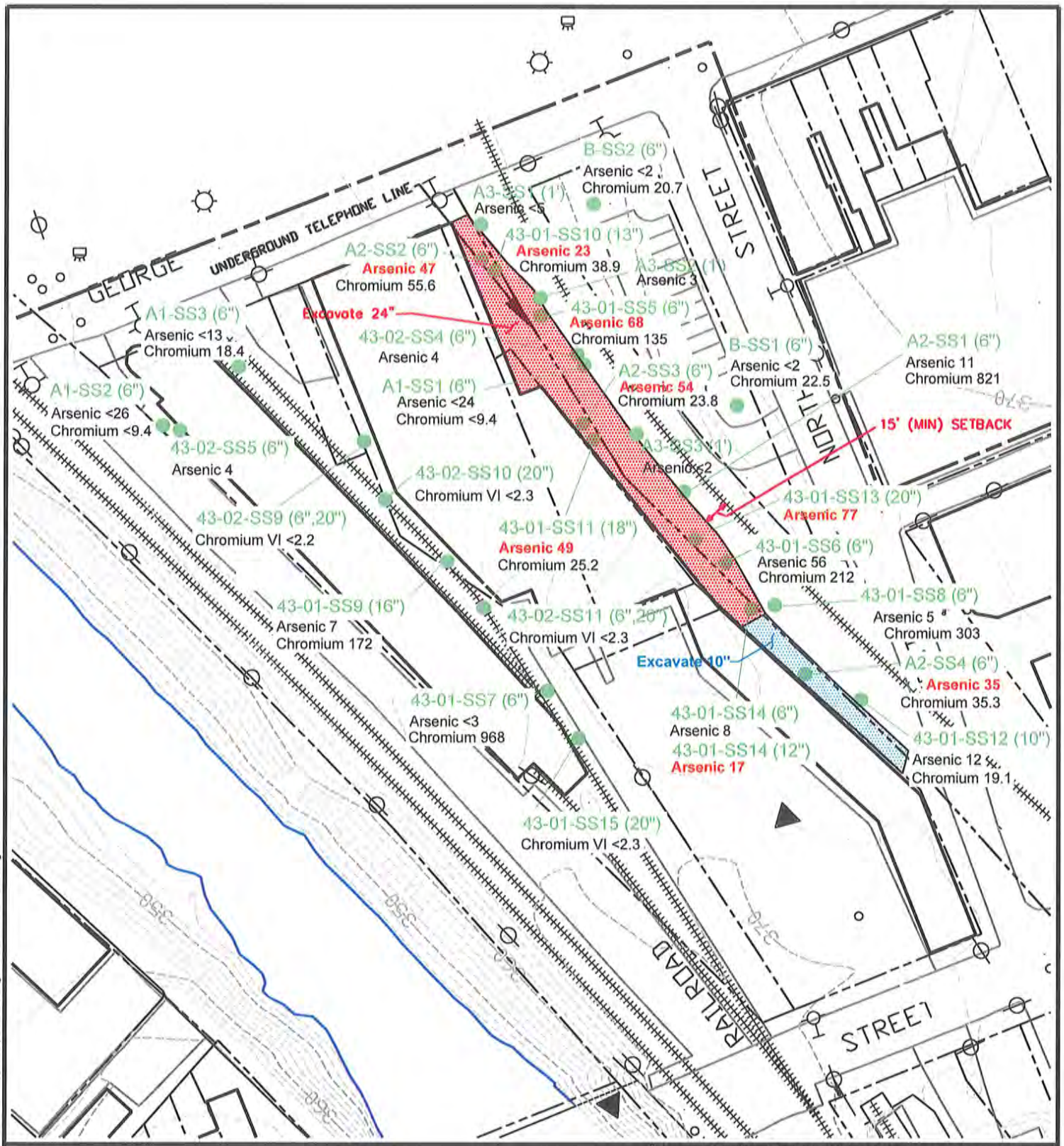
ARM Group Inc. Earth Resource Engineers and Consultants 1129 West Governor Road • Hershey, PA 17033-0797	Site Layout Northwest Triangle Initiative City of York York County, PA	December 2011 1" = 200' 07214	Figure 1



LEGEND

- Excavate 24"
- Excavate 10"
- A1-SS1 – Surface Soil Sampling Location
- Arsenic 5 – Result in Milligrams per Kilogram (mg/Kg)
- Arsenic 47 – Exceeds Residential Direct Contact Standard

0 80 160 240

SCALE IN FEET

Soil Sampling Summary For York Rail Property

Northwest Triangle Initiative
City of York, PA

September 2008	Scale: 1" = 80'	07214

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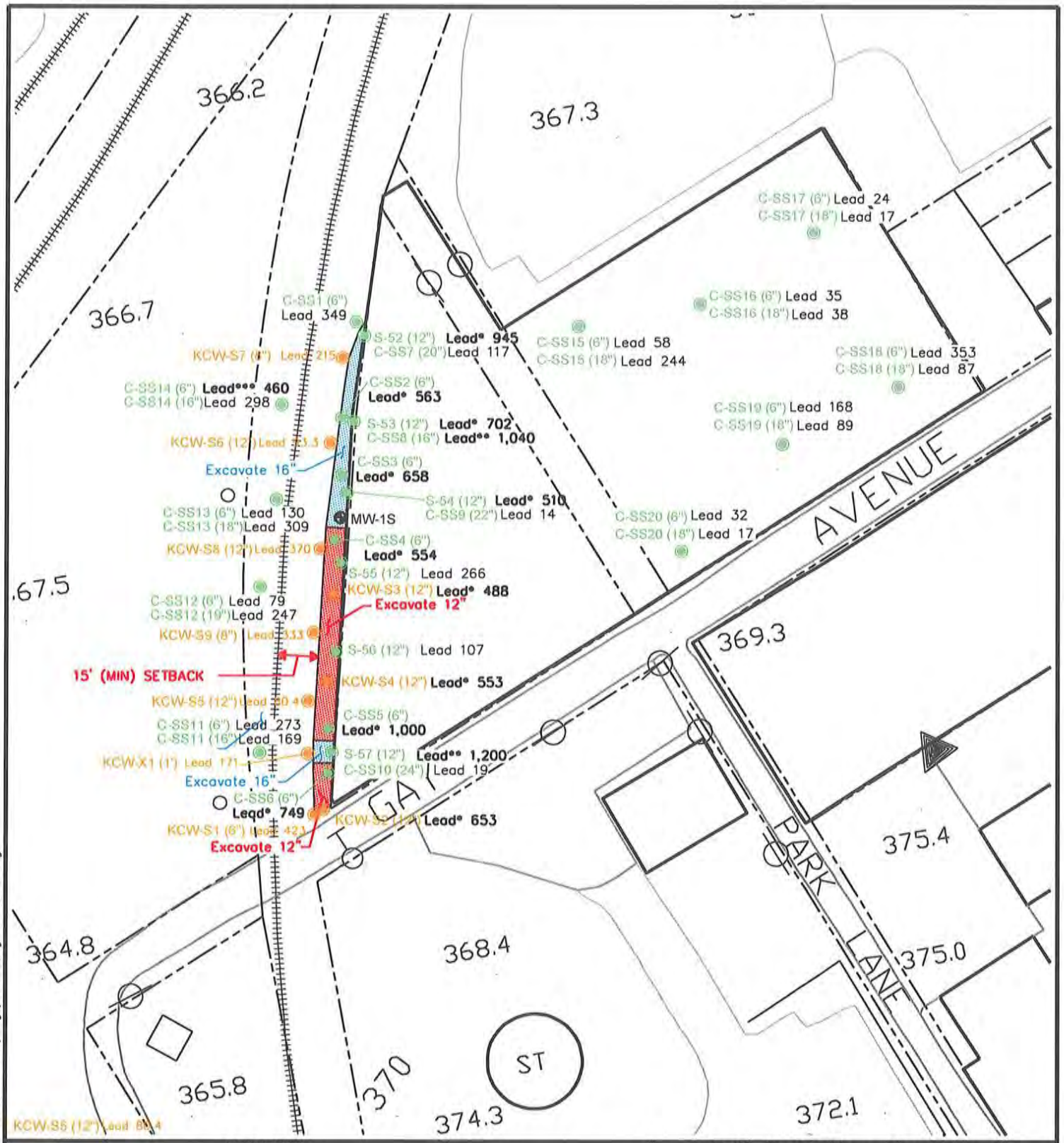
Figure 2

T:\07214 NWT Act 2 Project_Drwg\Stage 1 Final Report\07214_Figure2_9-24-08.dwg



LEGEND

- Excavate 12"
- Excavate 16"
- MW-1S – Monitoring Well
- C-SS1 (6") – Sample Location

Lead 107 – Result in Milligrams per Kilogram (mg/Kg)

Lead* – Result exceeds Residential Direct Contact and Soil to Groundwater Standard

Lead** – Result exceeds Non-Residential Direct Contact and Soil to Groundwater Standard

Lead*** – Result exceeds Soil to Groundwater Standard

0 50 100 150

SCALE IN FEET

N

Soil Sampling Summary For Keystone Color Works

Northwest Triangle Initiative
City of York, PA

September 2008	Scale: 1" = 50'	07214

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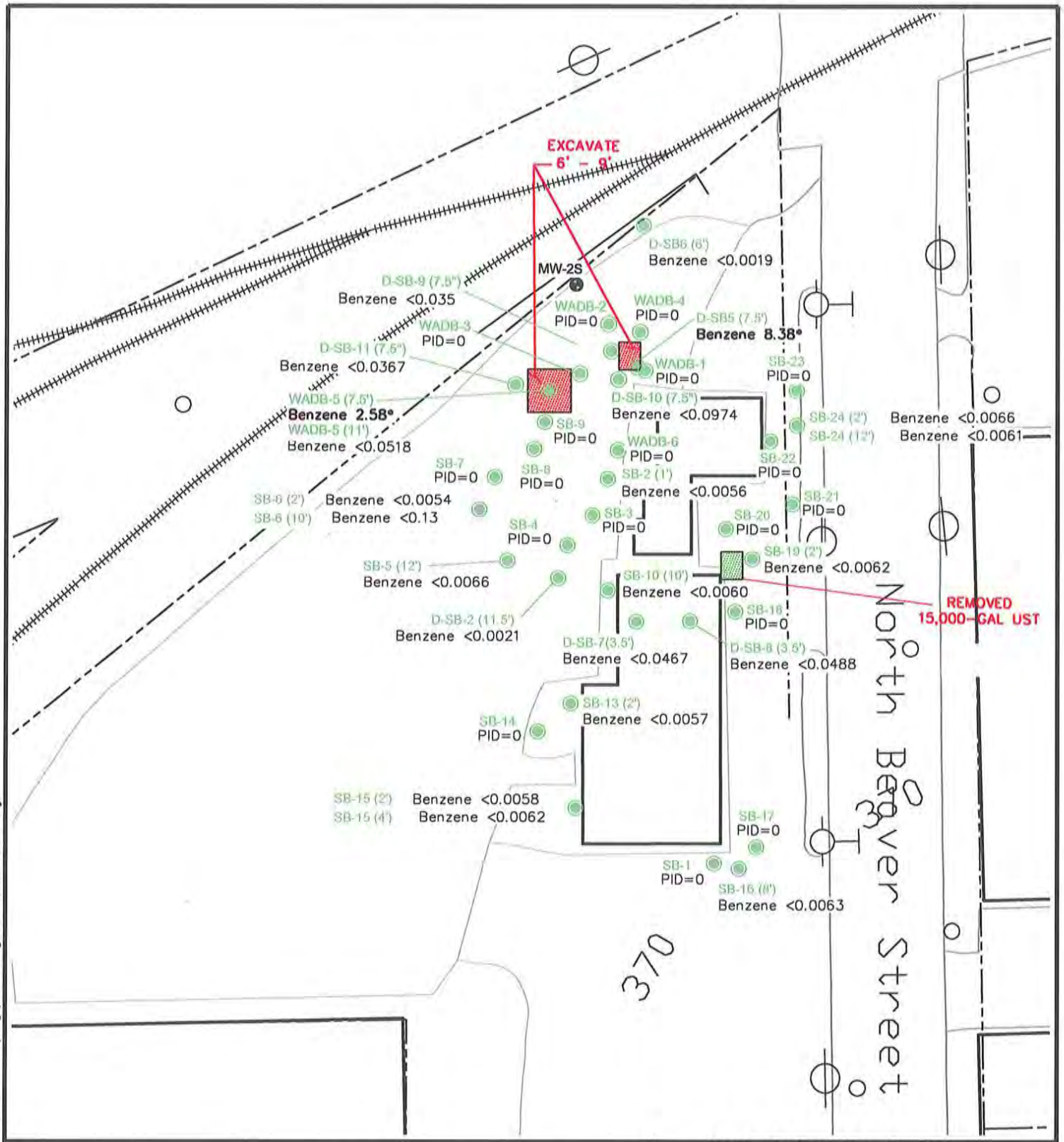
Figure 3

T:\07214 NWT Act 2 Project_Drwg\Post-excavation sampling\07214_Figure3-KCW.dwg



LEGEND

EXCAVATE 6' - 9'

D-SS5 (7.5') – Sample Location

MW-2S – Monitoring Well

Benzene <0.0019 – Result in Milligrams per Kilogram (mg/Kg)

Benzene* – Result exceeds Soil to Groundwater Standards

PID=0 Photo-ionization detector result in parts per million

0 50 100 150

SCALE IN FEET

Soil Sampling Summary For Weavers Auto Body

Northwest Triangle Initiative
City of York, PA

September 2008	Scale: 1" = 50'	07214

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Figure 4

T:\07214 NWT Act 2 Project_Drwg\Post-excavation sampling\07214_Figure4-Weavers_rev.dwg

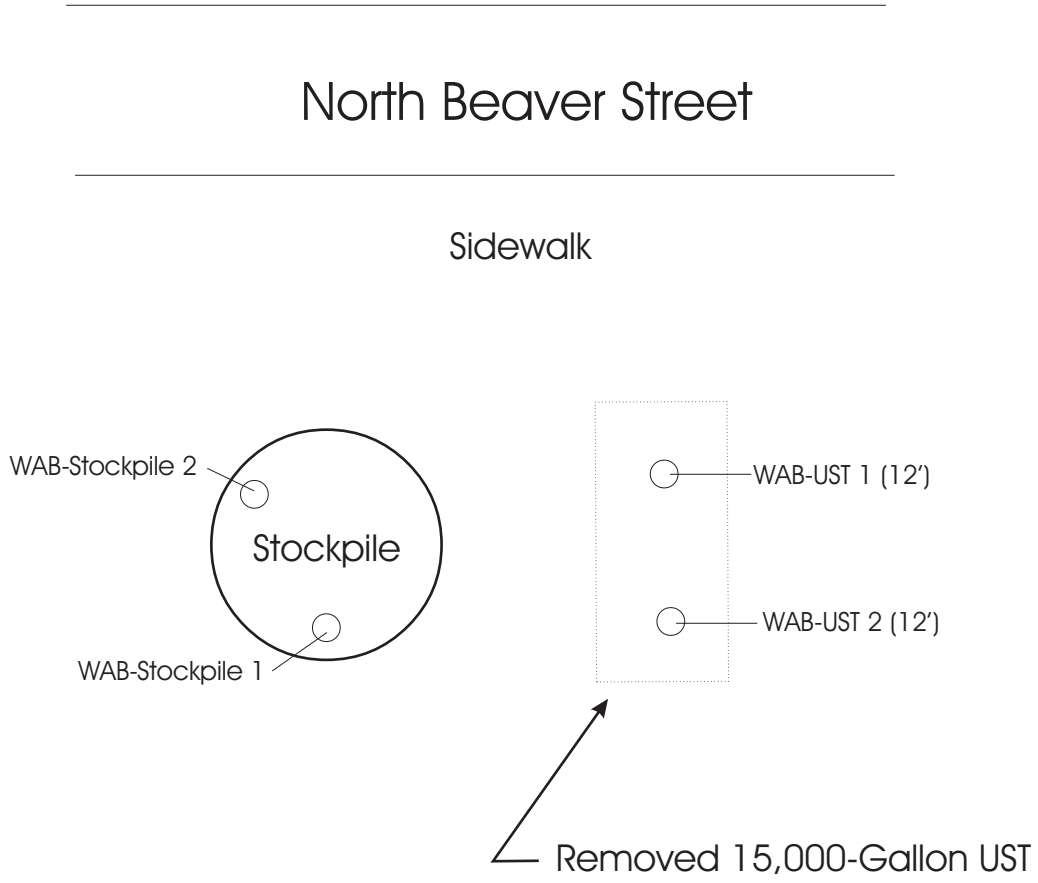

Figure 4a

Weavers Auto Body UST Sample Location Map

Northwest Triangle
York City, York Co., PA

March, 2009

07214

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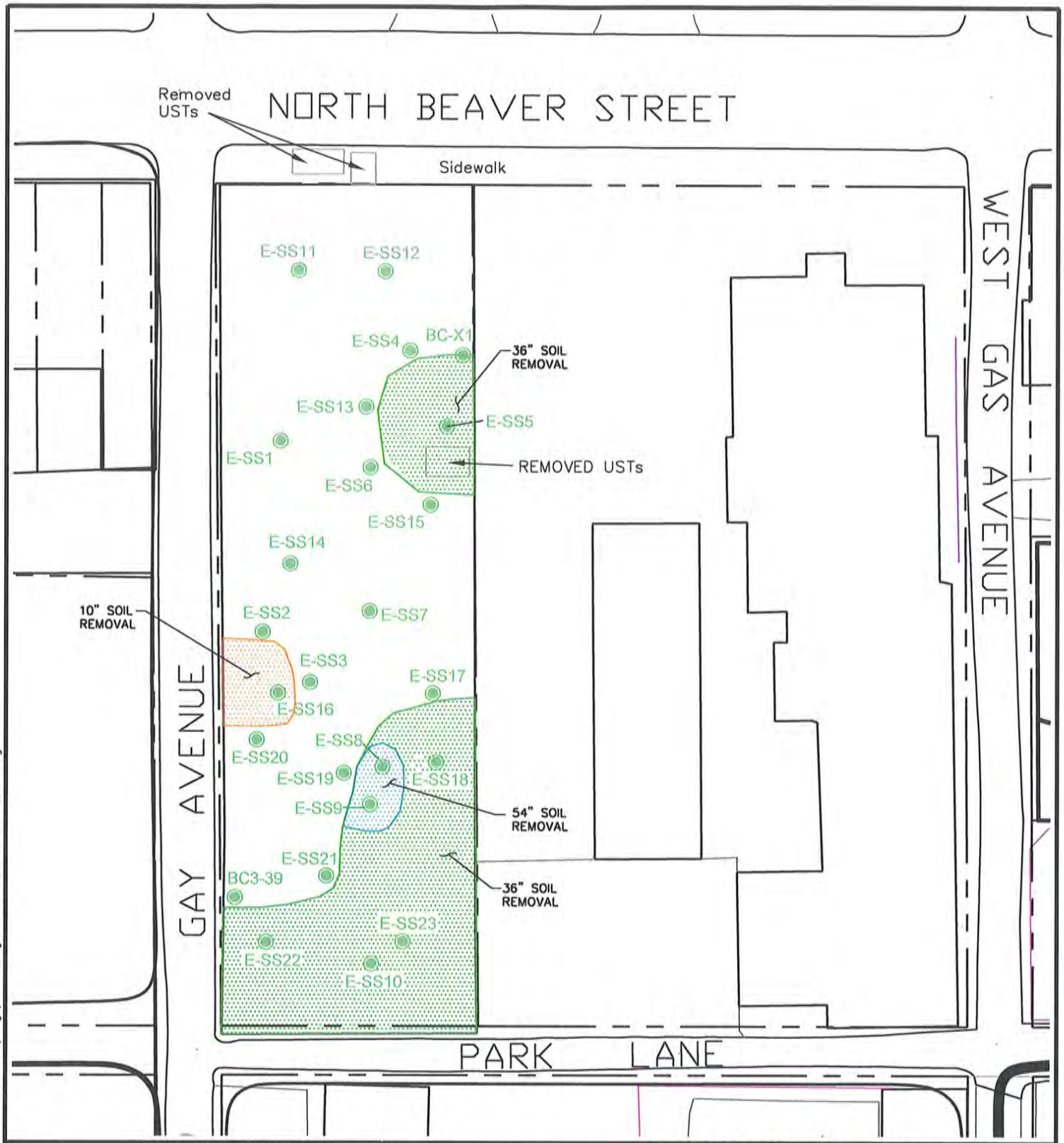

LEGEND

- E-SS1 – Sample Location
- Area To Be Excavated
- 10" SOIL REMOVAL
- 36" SOIL REMOVAL
- 54" SOIL REMOVAL

0 50 100 150
SCALE IN FEET

Soil Sampling Summary For B&C Fasteners

Northwest Triangle Initiative
City of York, PA

November 2007	Scale: AS NOTED	07214

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Figure 5

T:\07214 NWT Act 2 Project_Drwg\Post-excavation sampling\07214_Figure5-2-BC Fasteners_rev.dwg

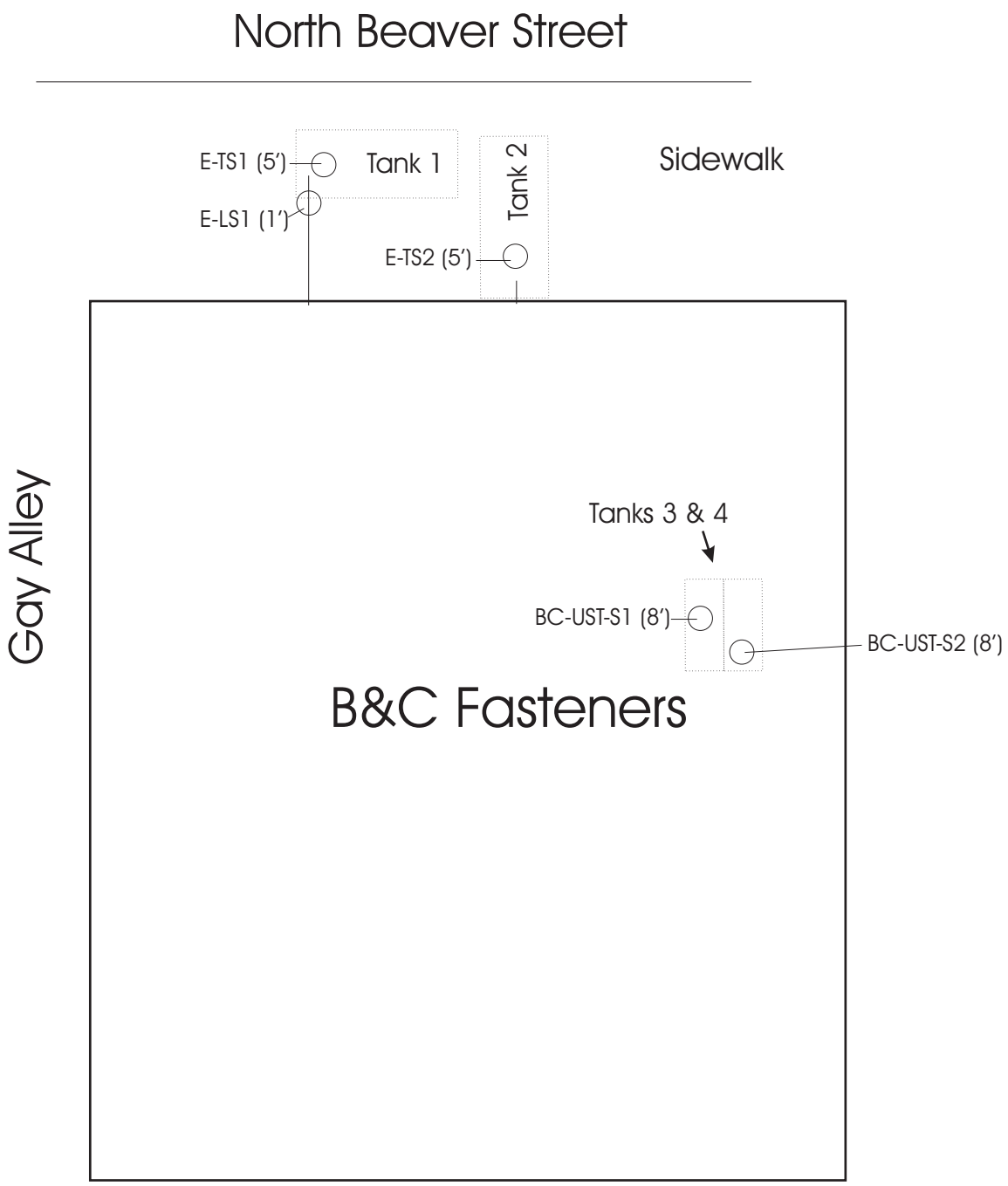

Figure 5a

B&C Fasteners
150 North Beaver St
York, PA

B&C Fasteners UST Sample Location Map

Northwest Triangle
York City, York Co., PA

November, 2007

07214

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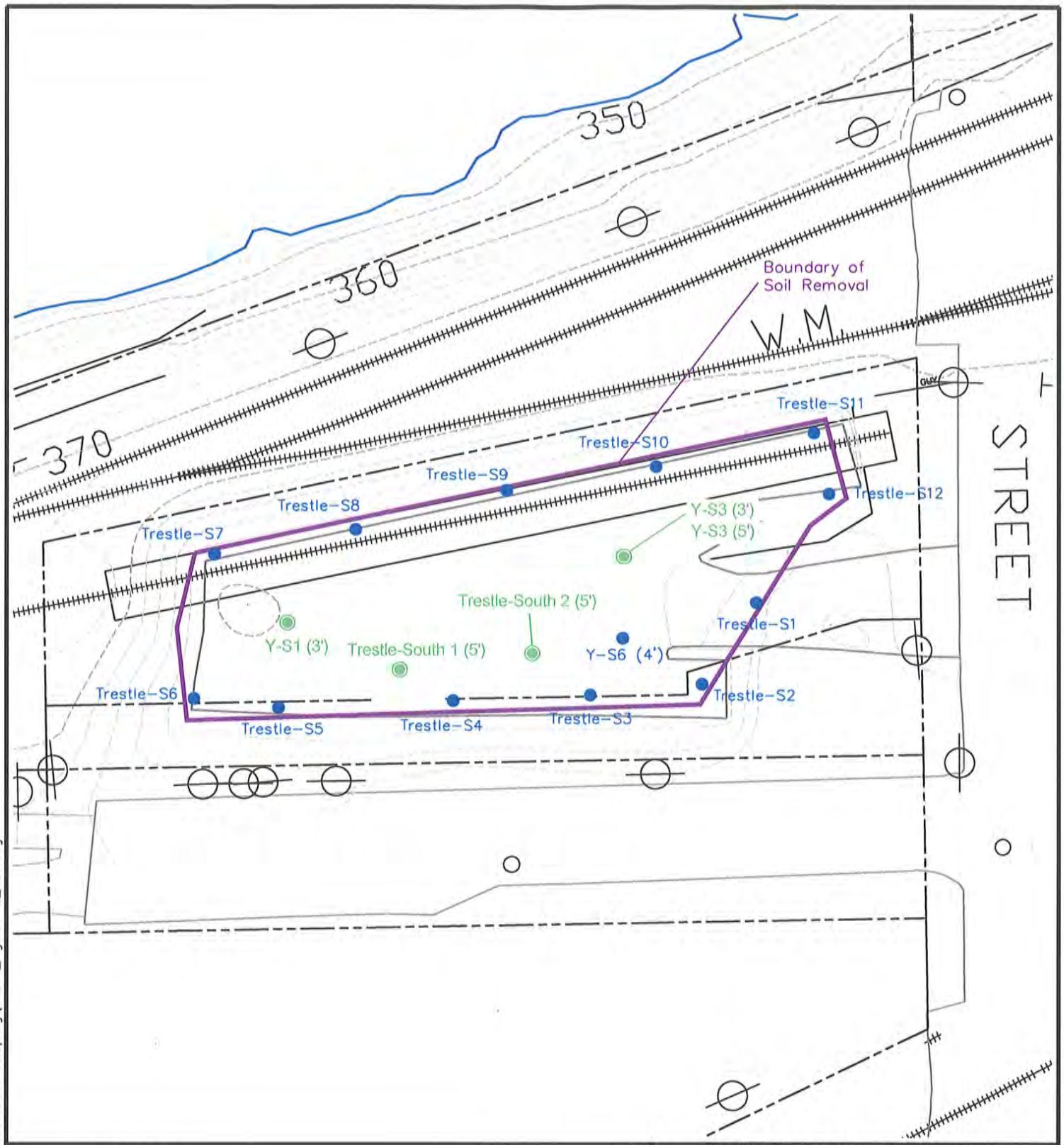

LEGEND

Trestle-S2 ● Sample Location Below MSC

Y-S1 (3') ◉ Sample Location Exceeding MSC

0 50 100 150

SCALE IN FEET

Soil Sampling Summary For Trestle Area

Northwest Triangle Initiative
City of York, PA

September 2008	Scale: 1" = 41'	07214

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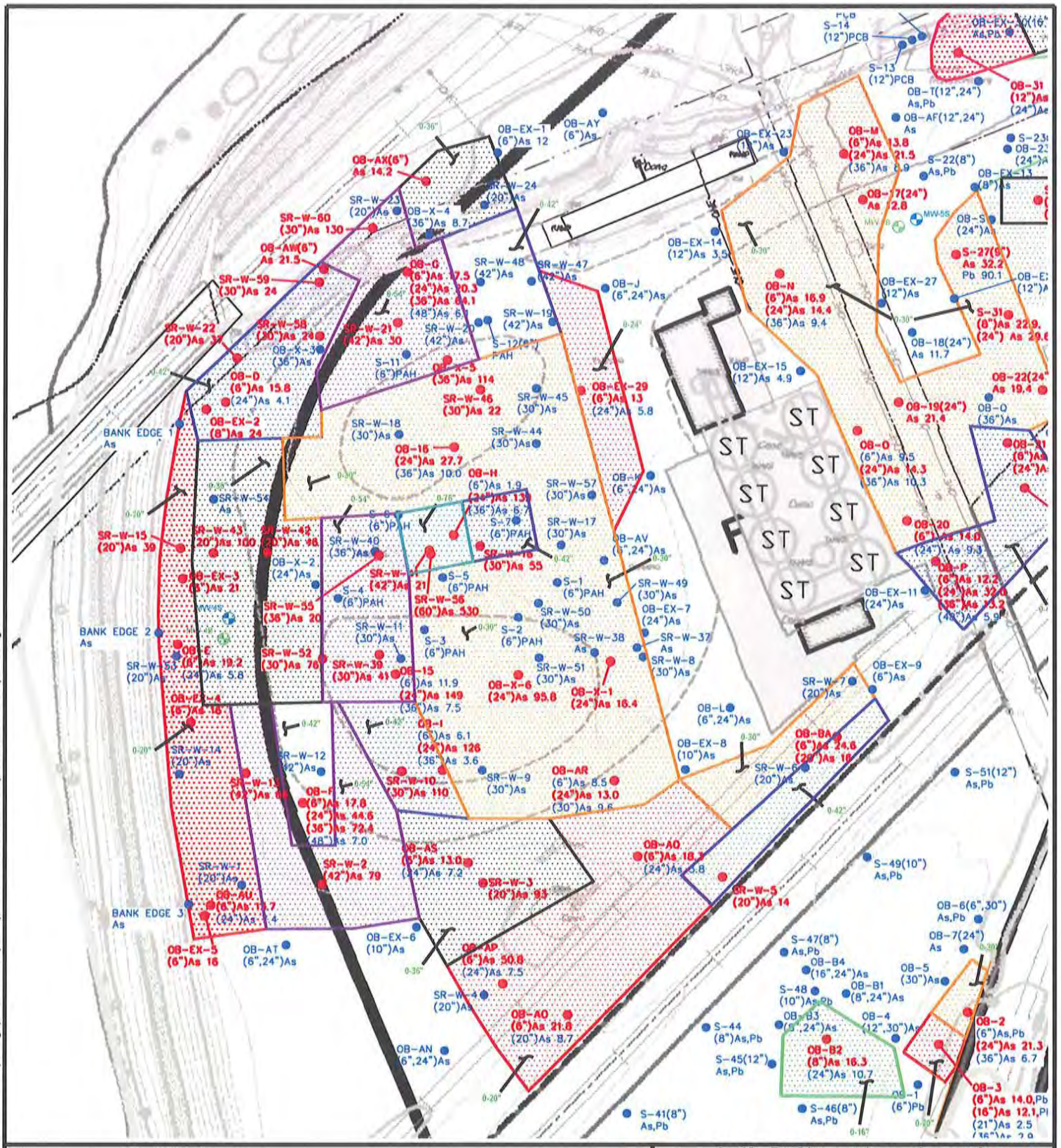
Figure 6

T:\07214 NWT Act 2 Project_Drwg\Post-excavation sampling\07214_Figure6-2_REV.dwg



Base map from C.S. DAVIDSON, INC.

LEGEND

- MW-3S — Shallow Monitoring Well
- MW-3B — Bedrock Monitoring Well
- S-22(8") As,Pb — Sample Location Below MSC
- OB-15(24") As 149 — Sample Location Exceeding MSC
- Extent of Soils Exceeding Residential MSCs
- 0-30" — Excavation Depth

0 50 100 150

SCALE IN FEET

Soil Delineation Samples Northwest Corner of Site

Ohio Blenders
Northwest Triangle Initiative
City of York, PA

05/13/2011	Scale: 1" = 50'	07214

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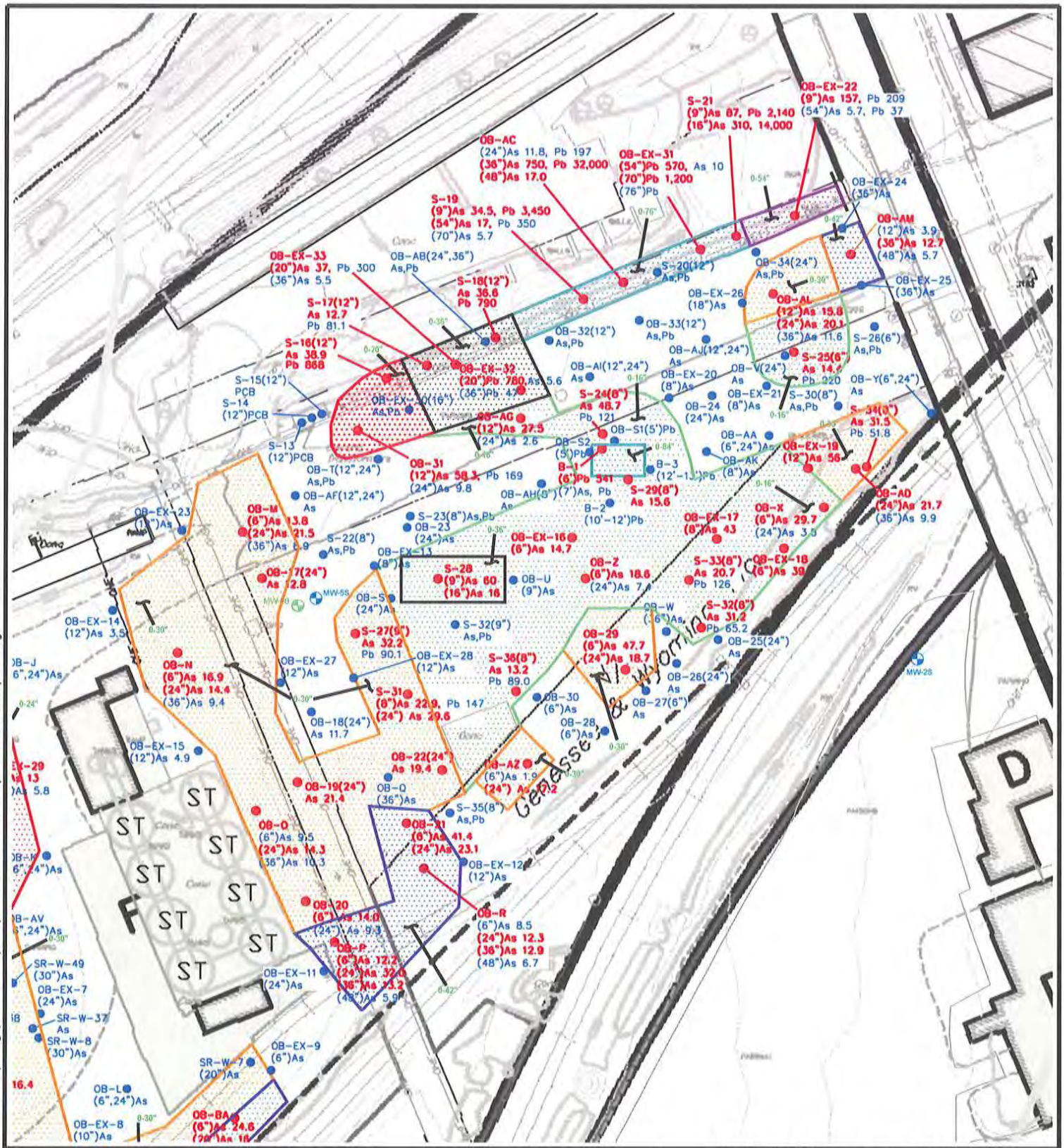
Figure 7

T:\07214 NWT Act 2 Project\STAGE2_OHIO_BLENDERS_Dwg\Phase II Report\5-11 Delineation Samples & SR Samples.dwg



Base map from C.S. DAVIDSON, INC.

LEGEND

- MW-3S — Shallow Monitoring Well
- MW-3B — Bedrock Monitoring Well
- S-22(8") As,Pb — Sample Location Below MSC
- OB-15(24") As 149 — Sample Location Exceeding MSC
- Extent of Soils Exceeding Residential MSCs
- 0-30" — Excavation Depth

0 50 100 150
SCALE IN FEET

Soil Delineation Samples Northeast Corner of Site

Ohio Blenders
Northwest Triangle Initiative
City of York, PA

05/13/2011	Scale: 1" = 50'	07214

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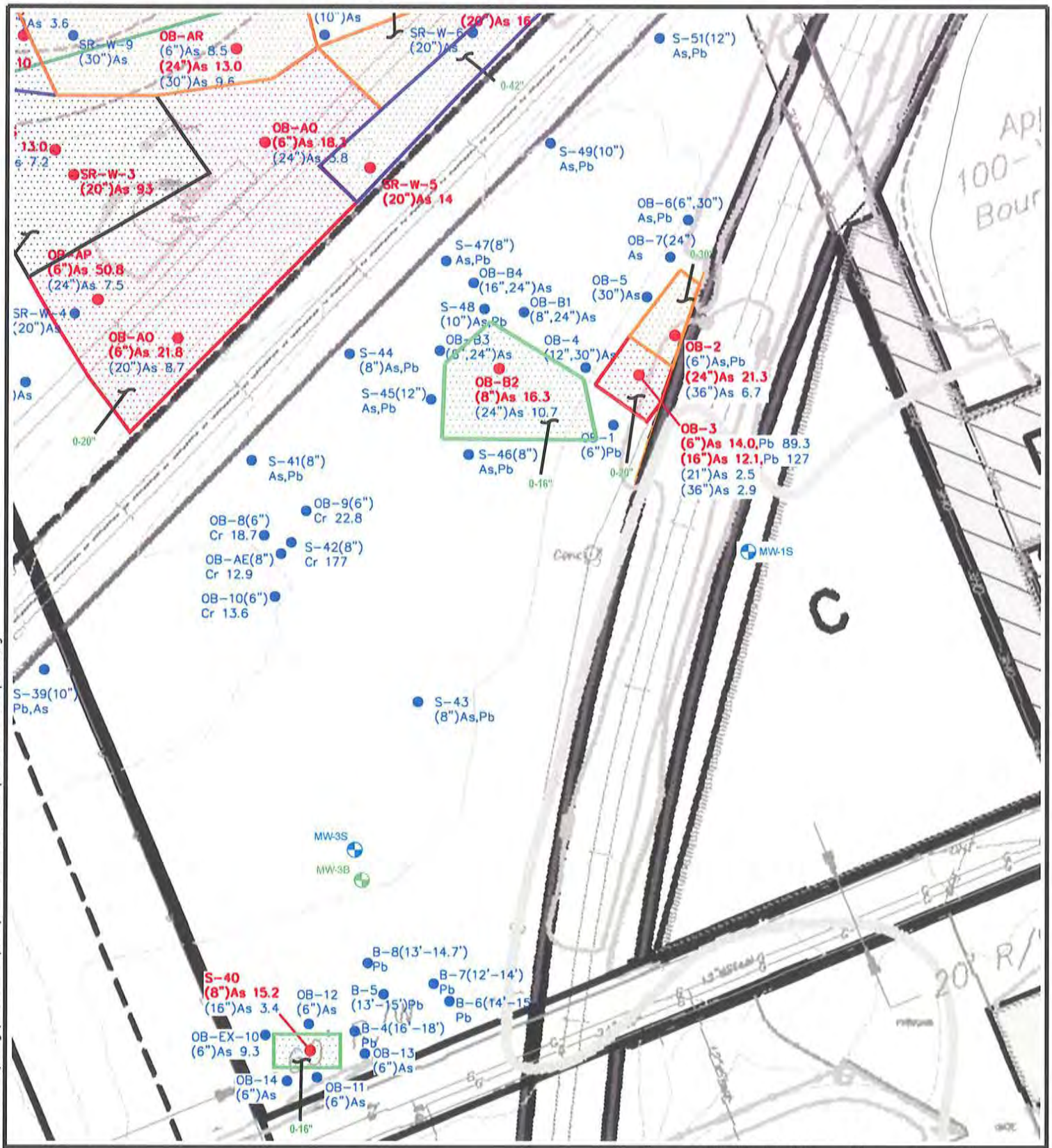
Figure 8

T:\07214 NWT Act 2 Project\STAGE2_OHIO_BLENDERS_Dwg\Phase II Report\5-11 Delineation Samples & SR Samples.dwg



Base map from C.S. DAVIDSON, INC.

LEGEND

- MW-3S — Shallow Monitoring Well
- MW-3B — Bedrock Monitoring Well
- S-22(8") As,Pb — Sample Location Below MSC
- OB-15(24") As 149 — Sample Location Exceeding MSC
- Extent of Soils Exceeding Residential MSCs
- 0-30" — Excavation Depth

0 40 80 120

SCALE IN FEET

Soil Delineation Samples Southwest Corner of Site

Ohio Blenders
Northwest Triangle Initiative
City of York, PA

05/13/2011	Scale: 1" = 40'	07214

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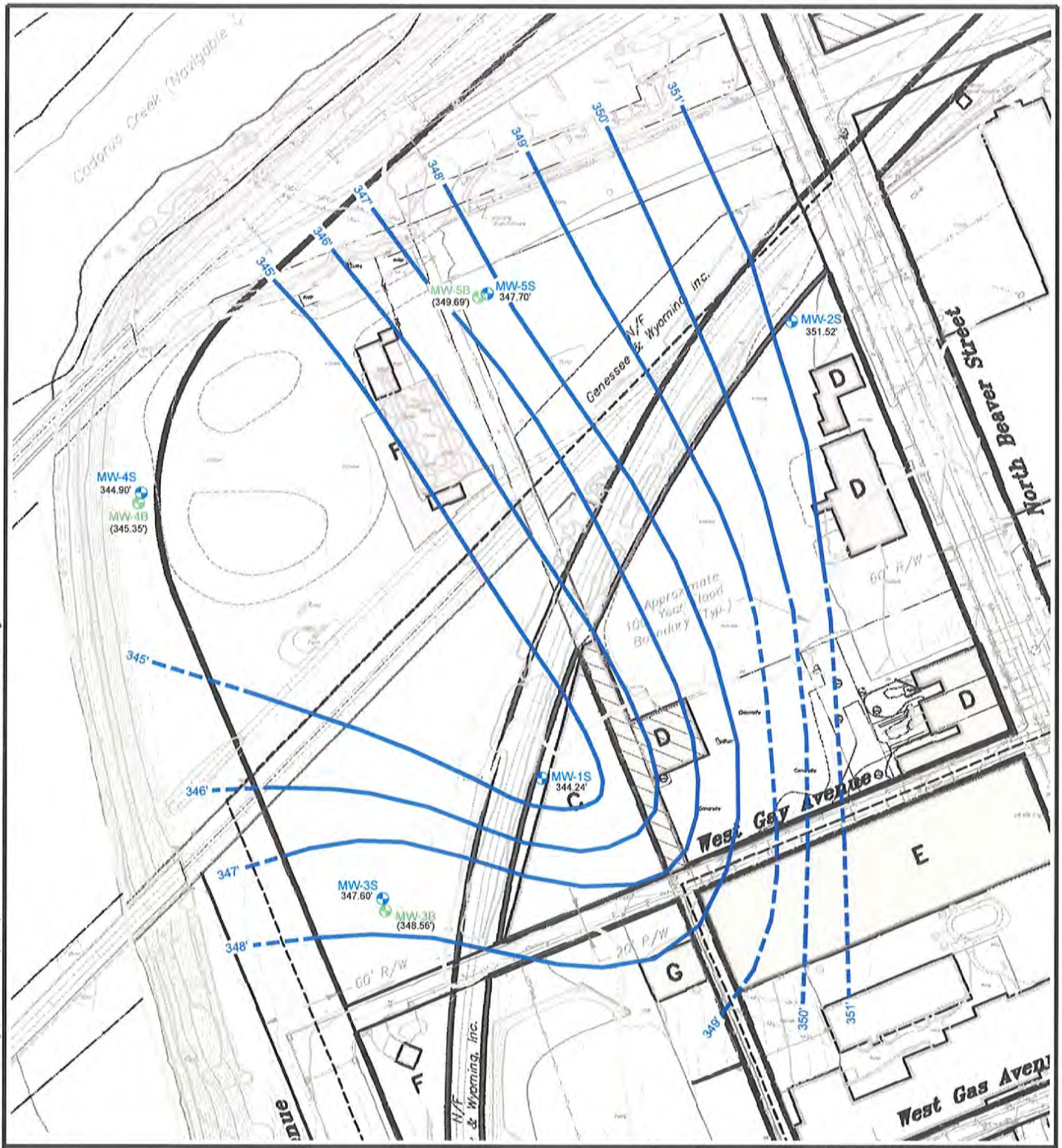
Figure 9

T:\07214 NWT Act 2 Project\STAGE2_OHIO_BLENDERS_Dwg\Phase II Report\5-11 Delineation Samples & SR Samples.dwg



Base map from C.S. Davidson, Inc.

LEGEND

- MW-3S — Shallow Monitoring Well
- MW-3B — Bedrock Monitoring Well
- 347.60' — Relative Groundwater Elevation
- (348.56') — Bedrock Groundwater Elevation Not Used For Mapping
- Groundwater Elevation Contour

0 100 200 300

SCALE IN FEET

Groundwater Elevations June 29, 2009

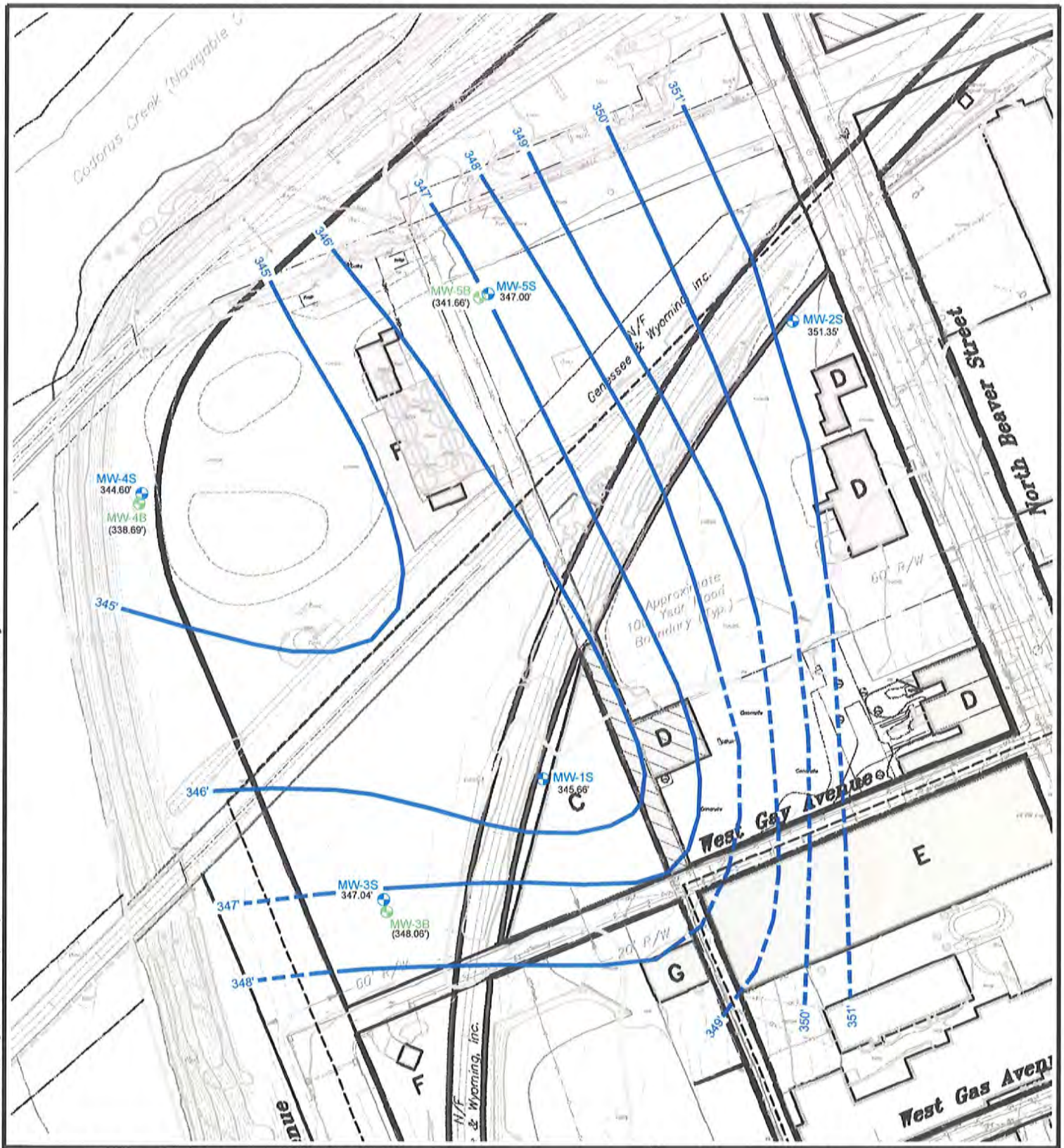
Ohio Blenders
Northwest Triangle Initiative
City of York, PA

July 2009	Scale: 1" = 100'	07214

ARM Group Inc.
Earth Resource Engineers and Consultants
1129 West Governor Road • Hershey, PA 17033-0797

Figure 10

T:\07214 NWT Act 2 Project\STAGE2_OHIO_BLENDERS_Dwg\Phase II Report\Ohio Blenders GW Contours 6-29-09_REV.dwg



Base map from C.S. Davidson, Inc.

LEGEND

- MW-3S — Shallow Monitoring Well
- MW-3B — Bedrock Monitoring Well
- 347.04' — Relative Groundwater Elevation
- (348.06') — Bedrock Groundwater Elevation Not Used For Mapping
- Groundwater Elevation Contour

0 100 200 300

SCALE IN FEET

Groundwater Elevations July 27, 2009

Ohio Blenders
Northwest Triangle Initiative
City of York, PA

July 2009	Scale: 1" = 100'	07214

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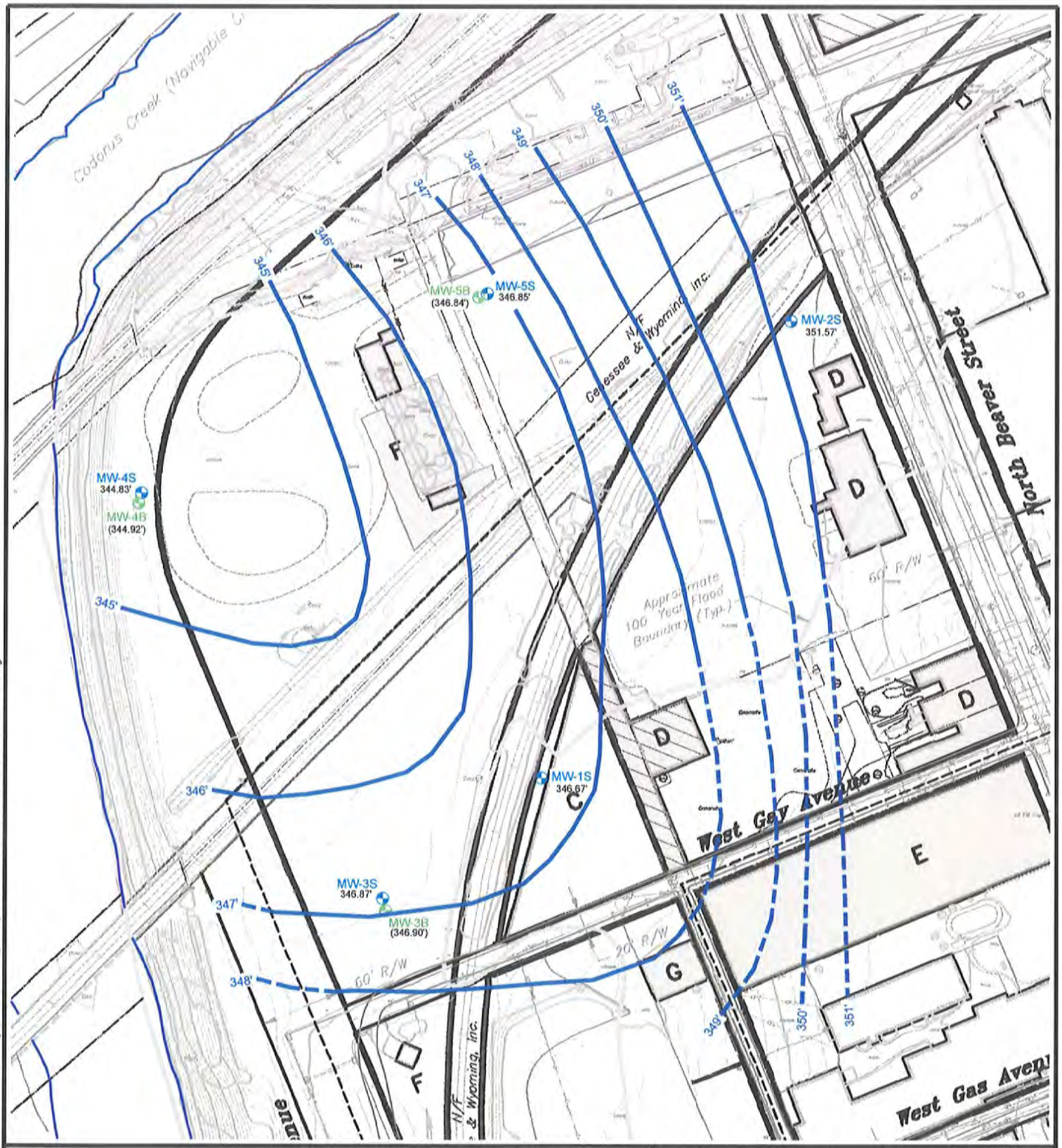
Figure 11

T:\07214 NWT Act 2 Project\STAGE2_OHIO_BLENDERS_Dwg\Phase II Report\Ohio Blenders GW Contours 7-27-09_rev.dwg



Base map from C.S. Davidson, Inc.

LEGEND

MW-3S – Shallow Monitoring Well

MW-3B – Bedrock Monitoring Well

347.04' – Relative Groundwater Elevation

(348.06') – Bedrock Groundwater Elevation Not Used For Mapping

– Groundwater Elevation Contour

0 100 200 300

SCALE IN FEET

Groundwater Elevations August 19, 2011

Ohio Blenders
Northwest Triangle Initiative
City of York, PA

August 2011	Scale: 1" = 100'	07214

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Figure 12

T:\07214 NWT Act 2 Project\STAGE2_OHIO_BLENDERS_Dwg\Phase II Report\Ohio Blenders GW Contours 8-19-11.dwg

T:\07214 NWT Act 2 Project_Drwg\Post-excavation sampling\Sheet 1_E & S Plan-rev3.dwg

0 80 160 240
SCALE IN FEET

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Earth Resource Engineers and Consultants
1129 West Governor Road • Hershey, PA 17033-0797

REMEDIATION SUMMARY
NORTHWEST TRIANGLE
CITY OF YORK, PA

10/22/08
1" = 80'
07214

Figure 13

TABLES

Table 1
Summary of Soil Sample Delineation Results: York Rail Property
Northwest Triangle Initiative
York City, York County, Pennsylvania

Soil Volatile/Semi-Volatile/PCBs/Herbicides Analytical Results
Sample Date July 17-20, 2007

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	A1-SS1 (6")	A1-SS2 (6")	A1-SS3 (6")	A2-SS1 (6")	A2-SS2 (6")	A2-SS3 (6")	A2-SS4 (6")	A3-SS1 (1.0')	A3-SS2 (1.0')	A3-SS3 (1.0')	B-SS1 (6")	B-SS2 (6")
Acetone	10,000	10,000	3,300	<0.0234	0.033	<0.0298	0.0206	0.253	0.909	0.640	<0.0264	<0.021	<0.0262	1.140	0.188
Benzene	57	290	0.5	<0.0019	<0.0016	<0.0024	<0.0016	<0.0025	<0.0026	0.0028	<0.0021	<0.0016	<0.0021	<0.0536	<0.0022
2-Butanone	10,000	10,000	400	<0.0094	0.0125	<0.0119	<0.0082	<0.0123	<0.0131	<0.00137	<0.0105	<0.0080	<0.0105	0.0209	0.0196
Carbon Disulfide	10,000	10,000	150	<0.0019	<0.0016	0.0042	<0.0016	<0.0025	<0.0026	<0.0027	<0.0021	<0.0016	<0.0021	<0.0019	<0.0022
Ethylbenzene	10,000	10,000	70	<0.0019	<0.0016	<0.0024	<0.0016	<0.0025	<0.0026	<0.0027	<0.0021	<0.0016	<0.0021	0.0025	<0.0022
Toluene	10,000	10,000	100	<0.0019	0.0154	<0.0024	<0.0016	<0.0025	<0.0026	0.0028	<0.0021	<0.0016	<0.0021	<0.0019	<0.0022
Total Xylenes	1,900	8,000	1,000	<0.0056	<0.0049	<0.0072	<0.0049	<0.0074	<0.0079	0.0084	<0.0063	<0.0048	<0.0063	0.0141	<0.0066
o-Xylene	NA	NA	NA	<0.0019	<0.0016	<0.0024	<0.0016	<0.0025	<0.0026	<0.0027	<0.0021	<0.0016	<0.0021	0.0030	<0.0022
mp-Xylene	NA	NA	NA	<0.0038	<0.0033	<0.0048	<0.0033	<0.0049	0.0065	0.0068	<0.0042	<0.0032	<0.0042	0.0111	<0.0044
Acenaphthene	13,000	170,000	2,700	<0.143	<0.071	<0.076	<0.293	<0.151	<0.075	<0.306	<0.074	0.228	0.140	<0.072	<0.074
Acenaphthylene	13,000	170,000	2,500	0.315	0.071	<0.076	1.280	0.378	0.309	1.180	0.075	0.251	0.136	<0.072	<0.074
Anthracene	66,000	190,000	350	<0.143	<0.071	<0.076	0.524	0.221	0.149	1.010	0.153	0.772	0.441	<0.072	<0.074
Benzo(a)anthracene	5.7	110	25	0.528	0.142	0.114	2.830	0.554	0.670	3.930	0.654	2.470	1.390	<0.072	<0.074
Benzo(a)pyrene	0.57	11	46	0.893	0.236	0.163	2.930	0.787	0.925	5.080	0.620	2.650	1.460	<0.072	<0.074
Benzo(b)fluoranthene	5.7	110	40	0.766	0.241	0.246	3.110	1.130	1.170	5.900	0.826	3.060	1.990	<0.072	<0.074
Benzo(g,h,i)perylene	13,000	170,000	180	0.609	0.077	0.095	1.960	0.593	0.143	3.220	<0.074	0.309	0.118	<0.072	<0.074
Benzo(k)fluoranthene	57	1,100	610	0.806	0.285	0.252	3.460	0.829	1.170	4.730	0.918	2.960	1.910	<0.072	<0.074
Chrysene	570	11,000	230	0.647	0.210	0.196	2.940	0.876	0.998	4.870	0.720	2.780	1.580	<0.072	<0.074
Dibenzo(a,h)anthracene	0.57	11	13	0.190	<0.071	<0.076	0.651	0.240	0.096	1.420	<0.074	0.272	0.100	<0.072	<0.074
bis(2-Ethylhexyl)phthalate	1,300	5,700	130	<0.205	<0.101	<0.108	<0.418	0.639	<0.107	<0.437	<0.105	<0.202	<0.101	<0.103	<0.105
Fluoranthene	8,800	110,000	3,200	0.709	0.253	0.155	4.240	0.901	1.240	6.620	1.590	4.660	3.260	<0.072	<0.074
Fluorene	8,800	110,000	3,000	<0.143	<0.071	<0.076	<0.293	<0.151	<0.075	<0.306	<0.074	0.247	0.135	<0.072	<0.074
Indeno(1,2,3-cd)pyrene	5.7	110	2,200	0.668	0.108	0.128	2.300	0.651	0.277	3.920	0.093	0.579	0.223	<0.072	<0.074
2-Methylnaphthalene	880	1,100	600	<0.143	<0.071	<0.076	<0.293	0.179	<0.075	<0.306	<0.074	<0.141	<0.071	<0.072	<0.074
Phenanthrene	66,000	190,000	10,000	0.173	0.085	<0.076	0.371	0.452	0.470	2.580	0.819	3.380	2.160	<0.072	<0.074
Pyrene	6,600	84,000	2,200	0.810	0.254	0.152	4.130	0.826	1.040	5.590	1.260	4.090	2.670	<0.072	<0.074
Aroclor-1260	9	40	150	<0.034	<0.034	<0.036	<0.035	0.086	0.039	0.217	<0.036	<0.032	<0.034	<0.034	<0.035
2,4-DB	NA	NA	NA	NA	NA	<0.016	NA	0.030	NA	NA	NA	NA	NA	NA	NA

Notes:
All values in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide Health Medium Specific Concentration
NA = Not Analyzed or Not Applicable
2.93 = Result exceeds PADEP MSC

Table 1 (cont.)
Summary of Soil Sample Delineation Results: York Rail Property
Northwest Triangle Initiative
York City, York County, Pennsylvania

Soil Total Metals Analytical Results
Sample Date July 17-20, 2007

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	A1-SS1 (6")	A1-SS2 (6")	A1-SS3 (6")	A2-SS1 (6")	A2-SS2 (6")	A2-SS3 (6")	A2-SS4 (6")	A3-SS1 (1.0')	A3-SS2 (1.0')	A3-SS3 (1.0')	B-SS1 (6")	B-SS2 (6")
Arsenic	**12**	**53**	**29**	<24	<26	<13	**11**	**47**	**54**	**35**	<5	**3**	<2	<2	<2
Barium	**44,000**	**190,000**	**8,200**	**12**	**39**	**1,110**	**543**	**144**	**110**	**106**	**58**	**33**	**19**	**76**	**56**
Cadmium	**110**	**1,400**	**38**	<4.7	<5.1	**1.1**	**4.4**	**2.2**	**1.2**	**2.1**	**0.9**	<0.3	<0.4	**0.8**	**0.9**
Chromium (III)*	**190,000**	**190,000**	**190,000**	<9.4	<10.3	**18.4**	**821**	**55.6**	**23.8**	**35.3**	**6.5**	**7.3**	**2.9**	**22.5**	**20.7**
Lead	**500**	**1,000**	**450**	**55**	**42**	<1	**122**	**362**	**164**	**266**	**14**	**34**	**15**	**9**	**10**
Mercury	**35**	**450**	**10**	<0.19	<0.19	<0.20	<0.19	<0.20	**0.24**	<0.19	<0.18	<0.19	<0.18	**0.18**	<0.19

Notes:
All values in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide Health Medium Specific Concentration
NA = Not Analyzed
47 Result exceeds PADEP MSC
* MSCs are listed for Chromium (III) based onabsence of detectable Chromium VI at site.

Table 1 (cont.)
Summary of Soil Sample Delineation Results: York Rail Property
Northwest Triangle Initiative
York City, York County, Pennsylvania

Soil Total Metals Analytical Results
Sample Date November, 2007

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	43-01-SS5 (6")	43-01-SS6 (6")	43-01-SS7 (6")	43-01-SS8 (6")	43-01-SS9 (16")	43-01-SS10 (13")	43-01-SS11 (18")	43-01-SS12 (20")	43-02-SS4 (6")	43-02-SS5 (6")
Arsenic	**12**	**53**	**29**	**68**	**56**	<3	**5**	**7**	**23**	**49**	**12**	**4**	**3**
Chromium (III)*	**190,000**	**190,000**	**190,000**	**135**	**212**	**968**	**303**	**172**	**38.9**	**25.2**	**19.1**	NA	NA

Sample Date September 2008

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	43-01-SS13 (20")	43-01-SS14 (6")	43-01-SS14 (12")	43-01-SS15 (20")	43-02-SS9 (6")	43-02-SS9 (20")	43-02-SS10 (20")	43-02-SS11 (6")	43-02-SS11 (20")
Arsenic	**12**	**53**	**29**	**77**	**8**	**17**	NA	NA	NA	NA	NA	NA
Chromium (VI)	**660**	**8,400**	**190**	NA	<2.2	<2.2	<2.3	<2.2	<2.2	<2.3	<2.3	<2.3

Notes:
All values in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide H Result exceeds PADEP MSC
NA = Not Analyzed
23 = Result exceeds PADEP MSC
* MSCs are listed for Chromium (III) based on absence of detectable Chromium VI at site.

Table 2
Summary of Soil Sample Delineation Results: Keystone Color Works Property
Northwest Triangle Initiative
York City, York County, Pennsylvania

Soil Analytical Results
Sample Date July 18, 2007

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	C-SS1 (6")	C-SS2 (6")	C-SS3 (6")	C-SS4 (6")	C-SS5 (6")	C-SS6 (6")	C-SS7 (20")	C-SS8 (16")	C-SS9 (22")	C-SS10 (24")
Lead	**500**	**1,000**	**450**	**349**	**563**	**658**	**554**	**1,000**	**749**	**17**	**1,040**	**14**	**19**

Notes:
All values in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide Health Medium Specific Concentration
2.93 = Result exceeds PADEP MSC

Table 2 (cont.)
Summary of Soil Sample Delineation Results: Keystone Color Works Property
Northwest Triangle Initiative
York City, York County, Pennsylvania

Soil Analytical Results
Sample Date November 1, 2007

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	C-SS11 (6")	C-SS11 (16")	C-SS12 (6")	C-SS12 (19")	C-SS13 (6")	C-SS13 (18")	C-SS14 (6")	C-SS14 (16")	C-SS15 (6")	C-SS15 (18")
Lead	500	1,000	450	273	169	79	247	130	309	460	295	58	244

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	C-SS16 (6")	C-SS16 (18")	C-SS17 (6")	C-SS17 (18")	C-SS18 (6")	C-SS18 (18")	C-SS19 (6")	C-SS19 (18")	C-SS20 (6")	C-SS20 (18")
Arsenic	12	190,000	29	NA	6	NA	NA	NA	NA	NA	6	NA	NA
Lead	500	1,000	450	35	38	24	17	353	87	168	89	32	17

Sample Date March 5 and 11, 2009

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	KCW-S1 (6")	KCW-S2 (12")	KCW-S3 (12")	KCW-S4 (12")	KCW-S5 (10")	KCW-S6 (12")	KCW-S7 (8")	KCW-S8 (8")	KCW-S9 (8")	KCW-X1 (1')
Lead	500	1,000	450	423	653	488	553	80.4	93.3	215	370	333	171

Notes:
All values in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide Health Medium Specific Concentration
NA = Not Analyzed
2.93 = Result exceeds PADEP MSC

Table 3
Summary of Soil Sample Delineation Results: Weaver's Auto Body Property
Northwest Triangle Initiative
York City, York County, Pennsylvania

Soil Volatile/Semi-Volatile/PCBs Analytical Results
Sample Date July 19-20 and November 1, 2007

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (2-15')	Unsaturated Soil to Groundwater MSC	Saturated Soil to Groundwater MSC	D-SB2 (11.5')	D-SB5 (7.5')	D-SB6 (6')	D-SB7 (3.5')	D-SB8 (3.5')	WADB-5 (7.5')	WADB-5 (11')
Acetone	**10,000**	**10,000**	**3,300**	**3,300**	**0.0450**	<0.522	**0.0339**	NA	NA	<0.488	<0.518
Benzene*	**57**	**330**	**0.5**	**0.5**	<0.0021	**8.380**	<0.0019	<0.0467	<0.0488	**2.580**	<0.0518
n-Butylbenzene	**8,800**	**10,000**	**950**	**150**	NA	NA	NA	NA	NA	**0.526**	<0.0518
sec-Butylbenzene	**8,800**	**10,000**	**350**	**150**	NA	NA	NA	NA	NA	**0.443**	**0.185**
Cumene	**7,700**	**10,000**	**600**	**84**	NA	NA	NA	NA	NA	**0.0690**	<0.0518
Cyclohexane	**10,000**	**10,000**	**1,700**	**1,300**	NA	NA	NA	NA	NA	**0.0748**	<0.0518
Ethylbenzene	**10,000**	**10,000**	**70**	**70**	<0.0021	**3.860**	<0.0019	<0.0467	NA	**0.655**	<0.0518
Hexane	**10,000**	**10,000**	**1,400**	**150**	NA	NA	NA	NA	NA	**0.607**	<0.0518
Methylene Chloride	**950**	**4,700**	**0.5**	**0.5**	**0.0028**	<0.0522	<0.0019	NA	NA	<0.0488	<0.0518
Methyl cyclohexane	**NA**	**NA**	**NA**	**NA**	NA	NA	NA	NA	NA	**0.418**	<0.0518
Octane	**NA**	**NA**	**NA**	**NA**	NA	NA	NA	NA	NA	**0.393**	<0.155
Pentane	**NA**	**NA**	**NA**	**NA**	NA	NA	NA	NA	NA	**0.585**	<0.104
n-Propylbenzene	**8,800**	**10,000**	**290**	**150**	NA	NA	NA	NA	NA	**0.212**	<0.0518
Toluene	**10,000**	**10,000**	**100**	**100**	<0.0021	**8.110**	<0.0019	<0.0467	NA	**1.980**	<0.0518
1,2,4-Trimethylbenzene	**130**	**640**	**8.4**	**1.5**	NA	NA	NA	NA	NA	**0.642**	<0.0518
1,3,5-Trimethylbenzene	**110**	**550**	**2.3**	**1.3**	NA	NA	NA	NA	NA	**0.106**	<0.0518
Total Xylenes	**1,900**	**8,000**	**1,000**	**1,000**	<0.0063	**9.670**	<0.0056	NA	NA	**1.470**	<0.155
o-Xylene	**NA**	**NA**	**NA**	**NA**	<0.0021	**1.750**	<0.0019	NA	NA	**0.245**	<0.0518
mp-Xylene	**NA**	**NA**	**NA**	**NA**	<0.0042	**7.920**	<0.0037	NA	NA	**1.220**	<0.0518
Acenaphthene	**13,000**	**190,000**	**2,700**	**270**	<0.093	**0.347**	<0.086	NA	NA	NA	NA
Acenaphthylene	**13,000**	**190,000**	**2,500**	**250**	<0.093	**0.104**	<0.086	NA	NA	NA	NA
Anthracene	**66,000**	**190,000**	**350**	**35**	<0.093	**0.174**	<0.086	NA	<0.0594	NA	NA
Chrysene	**570**	**190,000**	**230**	**23**	<0.093	<0.083	<0.086	<0.557	**0.0723**	NA	NA
Dibenzofuran	**220**	**190,000**	**95**	**9.5**	<0.132	**0.227**	<0.123	NA	NA	NA	NA
Fluorene	**8,800**	**190,000**	**3,000**	**300**	<0.093	**0.627**	<0.086	NA	<0.0594	NA	NA
2-Methylnaphthalene	**880**	**190,000**	**600**	**60.0**	<0.093	**8.280**	<0.086	NA	NA	NA	NA
Naphthalene	**4,400**	**190,000**	**25**	**10**	<0.093	**0.512**	<0.086	**0.169**	<0.0975	NA	NA
N-Nitrososodiphenylamine	**3,700**	**190,000**	**20**	**13**	<0.093	**0.670**	<0.123	NA	NA	NA	NA
Phenanthrene	**66,000**	**190,000**	**10,000**	**1,000**	<0.093	**2.080**	<0.086	NA	**0.238**	NA	NA
Pyrene	**6,600**	**190,000**	**2,200**	**220**	<0.093	**0.195**	<0.086	NA	**0.106**	NA	NA

Notes:
All values in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide Health Medium Specific Concentration
NA = Not Analyzed or Not Applicable
8.38 = Result exceeds PADEP MSC
* PADEP soil screening value for the protection of residential indoor air for benzene is 0.37 mg/kg.

Table 3 (cont.)
Summary of Soil Sample Delineation Results: Weaver's Auto Body Property
Northwest Triangle Initiative
York City, York County, Pennsylvania

Soil Total Metals Analytical Results
Sample Date July 19-20, 2007

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (2-15')	Soil to Groundwater MSC	D-SB2 (11.5')	D-SB5 (7.5')	D-SB6 (6')	D-SB7 (3.5')	D-SB8 (3.5')
Arsenic	**12**	**190,000**	**29**	**4**	**6**	**5**	NA	NA
Barium	**44,000**	**190,000**	**8,200**	**20**	**51**	**151**	NA	NA
Cadmium	**110**	**190,000**	**38**	**1.3**	**1.2**	**0.8**	NA	NA
Chromium*	**660**	**20,000**	**190**	**7.0**	**20.3**	**19.6**	NA	NA
Lead	**500**	**190,000**	**450**	**19**	**13**	**36**	**18**	NA
Mercury	**35**	**190,000**	**10**	<0.22	<0.21	**0.24**	NA	NA

Notes:
All values in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide Health Medium Specific Concentration
NA = Not Analyzed
4 = Result exceeds PADEP MSC
* Conservatively assumes Chromium VI

Table 3 (cont.)
Summary of Soil Sample Delineation Results: Weaver's Auto Body Property
Northwest Triangle Initiative
York City, York County, Pennsylvania

Soil Volatile/Metals Analytical Results
Sample Date September 2008

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (2-15')	Soil to Groundwater MSC	D-SB9 (7.5')	D-SB10 (7.5')	D-SB11 (7.5')
Benzene	**57**	**290**	**0.5**	<0.035	<0.0974	<0.0367
Arsenic	**12**	**190,000**	**29**	**5**	**7**	<3
Lead	**500**	**190,000**	**450**	**11**	**32**	**72**

Notes:
All values in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide Health Medium Specific Concentration
5 = Result exceeds PADEP MSC

Table 3 (cont.)
Summary of Soil Sample Delineation Results: Weaver's Auto Body Property
Northwest Triangle Initiative
York City, York County, Pennsylvania

Underground Storage Tank Sampling Results
Sample Date March 6, 2009

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Non-Residential Direct Contact MSC (2-15')	Soil to Groundwater MSC	WAB-UST1 (12')	WAB-UST2 (12')	WAB Stockpile 1	WAB Stockpile 2
Benzene	**57**	**290**	**330**	**0.5**	<0.0595	<0.0633	<0.0577	<0.0655
Ethylbenzene	**10,000**	**10,000**	**10,000**	**70**	<0.0595	<0.0633	<0.0577	<0.0655
Cumene	**7,700**	**10,000**	**10,000**	**600**	<0.0595	<0.0633	<0.0577	<0.0655
Methyl-Tert-Butyl-Ether (MTBE)	**1,700**	**8,600**	**9,900**	**2**	<0.0595	<0.0633	<0.0577	<0.0655
Naphthalene	**4,400**	**56,000**	**190,000**	**25**	**0.358**	**0.127**	<0.115	**0.541**
Toluene	**10,000**	**10,000**	**10,000**	**100**	**0.167**	<0.0633	**0.0614**	<0.0655
1,2,4-Trimethylbenzene	**130**	**560**	**640**	**8.4**	**0.278**	<0.0633	**0.0903**	**0.457**
1,3,5-Trimethylbenzene	**110**	**480**	**550**	**2.3**	<0.0595	<0.0633	<0.0577	**0.146**

Notes:
All values in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide Health Medium Specific Concentration
2.93 = Result exceeds PADEP MSC

Table 4
Summary of Soil Sample Delineation Results: B&C Fasteners Property
Northwest Triangle Initiative
York City, York County, Pennsylvania

Soil Analytical Results
Sample Date July 26, 2007

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Non-Residential Direct Contact MSC (2-15')	Soil to Groundwater MSC	E-SS1 (2.5')	E-SS2 (2')	E-SS3 (2.5')	E-SS4 (2')	E-SS5 (2.5')	E-SS6 (2.5')	E-SS7 (2.5')	E-SS8 (2.5')	E-SS9 (2.5')	E-SS10 (2.5')
Acetone	**10,000**	**10,000**	**10,000**	**3,300**	<0.0173	**0.0268**	<0.024	**0.0300**	**0.0406**	<0.0193	**0.0263**	<0.027	<0.0229	<0.0207
Methylene Chloride	**950**	**4,700**	**5,400**	**0.5**	<0.0014	<0.0019	<0.0019	<0.0019	**0.0030**	**0.0022**	**0.0024**	<0.0022	<0.0018	<0.0017
Benzo(a)anthracene	**5.7**	**110**	**190,000**	**25**	<0.084	<0.072	<0.087	<0.080	<0.078	<0.073	<0.083	**0.107**	**0.155**	**0.154**
Benzo(a)pyrene	**0.57**	**11**	**190,000**	**46**	<0.084	<0.072	<0.087	<0.080	<0.078	<0.073	<0.083	**0.100**	**0.188**	**0.162**
Benzo(b)fluoranthene	**5.7**	**110**	**190,000**	**40**	<0.084	<0.072	<0.087	<0.080	<0.078	<0.073	<0.083	**0.101**	**0.189**	**0.216**
Benzo(g,h,i)perylene	**13,000**	**170,000**	**190,000**	**180**	<0.084	<0.072	<0.087	<0.080	<0.078	<0.073	<0.083	<0.083	**0.163**	<0.076
Benzo(k)fluoranthene	**57**	**1,100**	**190,000**	**610**	<0.084	<0.072	<0.087	<0.080	<0.078	<0.073	<0.083	**0.120**	**0.192**	**0.146**
Chrysene	**570**	**11,000**	**190,000**	**230**	<0.084	<0.072	<0.087	<0.080	**0.103**	<0.073	<0.083	**0.189**	**0.263**	**0.259**
Fluoranthene	**8,800**	**110,000**	**190,000**	**3,200**	<0.084	<0.072	<0.087	<0.080	<0.078	<0.073	<0.083	**0.240**	**0.401**	**0.390**
Indeno(1,2,3-cd)pyrene	**5.7**	**110**	**190,000**	**2,200**	<0.084	<0.072	<0.087	<0.080	<0.078	<0.073	<0.083	<0.083	**0.138**	<0.076
Phenanthrene	**66,000**	**190,000**	**190,000**	**10,000**	<0.084	<0.072	<0.087	<0.080	<0.078	<0.073	<0.083	**0.235**	**0.271**	**0.285**
Pyrene	**6,600**	**84,000**	**190,000**	**2,200**	<0.084	<0.072	<0.087	<0.080	<0.078	<0.073	**0.0083**	**0.234**	**0.470**	**0.363**

Notes:
All values in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide Health Medium Specific Concentration
2.93 = Result exceeds PADEP MSC

Table 4 (cont.)
Summary of Soil Sample Delineation Results: B&C Fasteners Property
Northwest Triangle Initiative
York City, York County, Pennsylvania

UST Removal Along North Beaver Street
Sample Date October 17, 2007

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Non-Residential Direct Contact MSC (2-15')	Soil to Groundwater MSC	E-TS1 (5')	E-TS2 (5')	E-LS1 (1')
Benzene	**57**	**290**	**330**	**0.5**	<0.0533	<0.0452	<0.272
Ethylbenzene	**10,000**	**10,000**	**10,000**	**70**	<0.0533	<0.0452	<0.272
Isopropylbenzene (Cumene)	**7,700**	**10,000**	**10,000**	**600**	<0.0533	<0.0452	<0.272
Naphthalene	**4,400**	**56,000**	**190,000**	**25**	<0.107	<0.0905	<0.545
Toluene	**10,000**	**10,000**	**10,000**	**100**	<0.0533	<0.0452	<0.272
Fluorene	**8,800**	**110,000**	**190,000**	**3,000**	<0.118	<0.110	<0.115
Phenanthrene	**66,000**	**190,000**	**190,000**	**10,000**	<0.118	<0.110	<0.115

UST Removal Below Building
Sample Date March 5, 2009

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Non-Residential Direct Contact MSC (2-15')	Soil to Groundwater MSC	BC-UST-S1 (8')	BC-UST-S2 (8')
Benzene	**57**	**290**	**330**	**0.5**	<0.0587	<0.0546
Ethylbenzene	**10,000**	**10,000**	**10,000**	**70**	<0.0587	<0.0546
Isopropylbenzene (Cumene)	**7,700**	**10,000**	**10,000**	**600**	<0.0587	<0.0546
Methyl-Tert-Butyl-Ether (MTBE)	**1,700**	**8,600**	**9,900**	**2**	<0.0587	<0.0546
Naphthalene	**4,400**	**56,000**	**190,000**	**25**	<0.117	<0.109
Toluene	**10,000**	**10,000**	**10,000**	**100**	<0.0587	<0.0546
1,2,4-Trimethylbenzene	**130**	**560**	**640**	**8.4**	<0.0587	<0.0546
1,3,5-Trimethylbenzene	**110**	**480**	**550**	**2.3**	<0.0587	<0.0546

Notes:
All values in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide Health Medium Specific Concentration
2.93 = Result exceeds PADEP MSC

Table 4 (cont.)
Summary of Soil Sample Delineation Results: B&C Fasteners Property
Northwest Triangle Initiative
York City, York County, Pennsylvania

Soil Total Metals Analytical Results
Sample Dates July 26 and November 1, 2007

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Non-Residential Direct Contact MSC (2-15')	Soil to Groundwater MSC	E-SS1 (2.5')	E-SS2 (2')	E-SS3 (2.5')	E-SS4 (2')	E-SS5 (2.5')	E-SS5 (4')	E-SS6 (2.5')	E-SS7 (2.5')	E-SS8 (2.5')	E-SS8 (4')	E-SS9 (2.5')	E-SS9 (4')	E-SS10 (2.5'	E-SS10 (4')
Arsenic	12	53	190,000	29	6	9	9	3	13	<7	4	11	18	22	46	<12	22	10
Barium	44,000	190,000	190,000	8,200	60	62	100	38	117	NA	29	96	84	NA	98	NA	91	NA
Cadmium	110	1,400	190,000	38	<0.5	<0.4	<0.5	<0.5	<0.3	NA	<0.4	<0.6	<0.5	NA	0.6	NA	0.9	NA
Chromium*	660	8,400	190,000	190	29.5	19.7	40.2	8.3	11.7	NA	10.3	26.4	19.7	NA	37.0	NA	32.4	NA
Lead	500	1,000	190,000	450	13	25	17	6	154	46	6	60	1,430	129	199	102	285	84

Sample Dates September 8 and 10, 2008

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Non-Residential Direct Contact MSC (2-15')	Soil to Groundwater MSC	E-SS11 (24")	E-SS12 (24")	E-SS13 (6")	E-SS14 (6")	E-SS15 (6")	E-SS16 (6")	E-SS17 (6")	E-SS18 (32")	E-SS18 (70")	E-SS19 (6")	E-SS19 (24")	E-SS19 (70")
Arsenic	12	53	190,000	29	9	5	5	11	8	14	8	13	4	12	7	8
Lead	500	1,000	190,000	450	21	65	50	26	50	82	58	23	6	19	13	13

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Non-Residential Direct Contact MSC (2-15')	Soil to Groundwater MSC	E-SS20 (6")	E-SS20 (24")	E-SS20 (48")	E-SS21 (6")	E-SS22 (6")	E-SS22 (24")	E-SS22 (48")	E-SS23 (6")	E-SS23 (24")	BC3-39 (2')**	BC-X1 (2')**
Arsenic	12	53	190,000	29	10	6	6	6	89	40	10	11	29	9	4.8
Lead	500	1,000	190,000	450	65	20	16	61	208	58	25	39	234	NA	NA

Notes:
All values in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide Health Medium Specific Concentration
NA = Not Analyzed
29 = Result exceeds PADEP MSC
* Conservatively assumes Chromium VI
** Sample collected in March 2009

Table 5
Summary of Soil Sample Delineation Results: Trestle Area
Northwest Triangle Initiative
York City, York County, Pennsylvania

Soil Total Metals Analytical Results
Sample Date September 8, 2008 and March 12, 2009

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (2-15')	Soil to Groundwater MSC	Y-S1 (3')	Y-S3 (3')	Y-S3 (5')	Y-S6 (4')	Trestle South-S1[5']	Trestle South-S2[5']
Arsenic	**12**	**190,000**	**29**	**10**	**18**	**18**	**9**	**18.5**	**16.7**
Barium	**44,000**	**190,000**	**8,200**	**117**	**107**	**73**	**92**	NA	NA
Cadmium	**110**	**1,400**	**38**	**0.6**	**1.1**	**0.5**	**1.8**	NA	NA
Chromium*	**660**	**8,400**	**190**	**14.2**	**29.9**	**11.6**	**37.0**	NA	NA
Lead	**500**	**190,000**	**450**	**67**	**121**	**54**	**145**	NA	NA
Mercury	**66**	**190,000**	**10**	<0.2	<0.22	**0.31**	**0.51**	NA	NA
Silver	**1,100**	**190,000**	**100**	<0.5	<0.6	**0.6**	**1**	NA	NA

Notes:
All values in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide Health Medium Specific Concentration
NA = Not Analyzed
29 = Result exceeds PADEP MSC
* Conservatively assumes Chromium VI

Table 5 (cont.)
Summary of Soil Sample Delineation Results: Trestle Area
Northwest Triangle Initiative
York City, York County, Pennsylvania

Soil Semi-Volatile Analytical Results
Sample Date September 8, 2008

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	Y-S1 (3')	Y-S3 (5')
Acenaphthene	**13,000**	**170,000**	**2,700**	<0.395	<0.096
Acenaphthylene	**13,000**	**170,000**	**2,500**	**1.160**	<0.096
Anthracene	**66,000**	**190,000**	**350**	**0.832**	<0.096
Benzo(a)anthracene	**5.7**	**110**	**25**	**2.470**	**0.422**
Benzo(a)pyrene	**0.57**	**11**	**46**	**3.490**	**0.337**
Benzo(b)fluoranthene	**5.7**	**110**	**40**	**4.780**	**0.488**
Benzo(g,h,i)perylene	**13,000**	**170,000**	**180**	**2.460**	**0.310**
Benzo(k)fluoranthene	**57**	**1,100**	**610**	**4.200**	**0.429**
Chrysene	**570**	**11,000**	**230**	**3.750**	**0.511**
Dibenzo(a,h)anthracene	**0.57**	**11**	**13**	**0.701**	<0.96
bis(2-Ethylhexyl)phthalate	**1,300**	**5,700**	**130**	<0.564	<0.137
Fluoranthene	**8,800**	**110,000**	**3,200**	**5.600**	**0.889**
Fluorene	**8,800**	**110,000**	**3,000**	<0.395	<0.096
Indeno(1,2,3-cd)pyrene	**5.7**	**110**	**2,200**	**2.420**	**0.310**
2-Methylnaphthalene	**880**	**1,100**	**600**	<0.395	<0.096
Phenanthrene	**66,000**	**190,000**	**10,000**	**1.470**	**0.252**
Pyrene	**6,600**	**84,000**	**2,200**	**4.360**	**0.738**

Notes:
All values in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide Health Medium Specific Concentration
29 = Result exceeds PADEP MSC

Table 5 (cont.)
Summary of Soil Sample Delineation Results: Trestle Area
Northwest Triangle Initiative
City of York, York County, Pennsylvania

Delineation Sampling Results
Sample Date March 2, 2009

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	Trestle-S1 (11') 3-09	Trestle-S2 (8') 3-09	Trestle-S3 (11') 3-09	Trestle-S4 (9') 3-09	Trestle-S5 (9') 3-09	Trestle-S6 (8') 3-09	Trestle-S7 (8') 3-09	Trestle-S8 (9') 3-09	Trestle-S9 (9') 3-09	Trestle-S10 (9') 3-09	Trestle-S11 (9') 3-09	Trestle-S12 (9') 3-09
Arsenic	**12**	**53**	**29**	9.0	8.1	5.7	6.6	6.3	6.7	6.8	5.8	9.8	4.4	4.5	7.3

Notes:
All values in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide Health Medium Specific Concentration

Table 6
Summary of Soil Sample Delineation Results: Ohio Blenders Property
Northwest Triangle Initiative
York City, York County, Pennsylvania

Soil Total Metals Analytical Results
Sample Date June 8-12, 2009

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	OB-1 (6")	OB-2 (6")	OB-3 (6")	OB-3 (16")	OB-4 (30")	OB-5 (30")	OB-6 (6")	OB-6 (30")	OB-7 (24")	OB-8 (6")	OB-9 (6")	0B-10 (6")	OB-11 (24")	OB-12 (6")
Arsenic	**12**	**53**	**29**	NA	NA	**14.0**	**12.1**	6.4	4.9	8.2	5.3	6.2	NA	NA	NA	10.6	6.0
Chromium*	**660**	**8,400**	**190**	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.7	22.8	13.6	NA	NA
Lead	**500**	**1,000**	**450**	97.5	232	89.3	127	NA	NA	68.9	48.5	NA	NA	NA	NA	NA	NA

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	OB-13 (6")	OB-14 (6")	OB-15 (24")	OB-16 (24")	OB-17 (24")	OB-18 (24")	OB-19 (24")	OB-20 (6")	OB-20 (24")	OB-21 (6")	OB-21 (24")	OB-22 (24")	OB-23 (24")	OB-24 (24")
Arsenic	**12**	**53**	**29**	10.5	5.9	**149**	**27.7**	**12.8**	11.7	**21.4**	**14.0**	9.3	**41.4**	**23.6**	**19.4**	9.6	9.1

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	OB-25 (24")	OB-26 (24")	OB-27 (6")	OB-28 (6")	OB-29 (6")	OB-29 (24")	OB-30 (6")	OB-31 (12")	OB-32 (12")	OB-33 (12")	OB-34 (12")	OB-S1 (5')	OB-S2 (5')
Arsenic	**12**	**53**	**29**	4.5	4.0	NA	8.0	**47.7**	**18.7**	5.1J	**58.3**	7.1	9.7	5.2	NA	NA
Lead	**500**	**1,000**	**450**	NA	NA	NA	NA	NA	NA	NA	169	101	392	144	91.3	72.0
1,2-Diphenylhydrazine	**22**	**99**	**0.083**	NA	<0.0198	<0.0174	<0.0187	<0.0172	<0.0191	<0.0164	NA	NA	NA	NA	NA	NA

Notes:
All values in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide Health Medium Specific Concentration
NA = Not Analyzed or Not Applicable
821 = Result exceeds PADEP MSC
* Conservatively asumes Chromium VI

Table 6 (cont.)
Summary of Soil Sample Delineation Results: Ohio Blenders Property
Northwest Triangle Initiative
York City, York County, Pennsylvania

Soil Total Metals Analytical Results
Sample Date July 2-3, 2009

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	OB-2 (24")	OB-3 (24")	OB-3 (36")	OB-4 (12")	OB-15 (6")	OB-15 (36")	OB-31 (24")	OB-B1 (8")	OB-B1 (24")	OB-B2 (8")	OB-B2 (24")	OB-B3 (8")	OB-B3 (24")	OB-B4 (16")	OB-B4 (24")	OB-D (6")	OB-D (24")	OB-E (6")	OB-E (24")
Arsenic	12	53	29	21.3	2.5	2.9	7.6	11.9	7.5	9.8	8.2	6.4	16.3	10.7	8.8	4.6	7.1	5.9	15.8	4.1	19.2	5.8

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	OB-F (6")	OB-F (24")	OB-F (36")	OB-G (6")	OB-G (24")	OB-G (36")	OB-H (6")	OB-H (24")	OB-H (36")	OB-I (6")	OB-I (24")	OB-I (36")	OB-J (6")	OB-J (24")	OB-K (6")	OB-K (24")	OB-K (36")	OB-L (6")	OB-L (24")
Arsenic	12	53	29	17.8	44.6	72.4	17.5	20.3	64.1	1.9	139	6.7	6.1	126	3.6	<0.19	4.4	<0.19	4.3	6.8	5.0	8.5

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	OB-M (6")	OB-M (24")	OB-M (36")	OB-N (6")	OB-N (24")	OB-N (36")	OB-O (6")	OB-O (24")	OB-O (36")	OB-P (6")	OB-P (24")	OB-Q (36")	OB-R (6")	OB-R (24")	OB-R (36")	OB-S (24")	OB-T (12")	OB-T (24")	OB-U (9")
Arsenic	12	53	29	13.8	21.5	8.9	16.9	14.4	9.4	9.5	14.3	10.3	12.2	32.0	7.6	8.5	12.3	12.9	11.3	4.0	3.3	5.2
Lead	500	1,000	450	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	109	300	NA

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	OB-V (24")	OB-W (36")	OB-X (6")	OB-X (24")	OB-Y (6")	OB-Y (24")	OB-Z (6")	OB-Z (24")	OB-AA (6")	OB-AA (24")	OB-AB (24")	OB-AB (36")	OB-AC (24")	OB-AC (36")	OB-AD (24")	OB-AE (8")
Arsenic	12	53	29	5.2	4.1	29.7	3.8	7.5	6.8	18.6	7.4	5.9	5.6	10.4	6.2	11.8	750	21.7	NA
Chromium (III)*	190,000	190,000	190,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.9
Chromium (VI)	660	8,400	190	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.2
Lead	500	1,000	450	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	463	62.9	197	32,000	NA	NA

Notes:
All values in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide Health Medium Specific Concentration
NA = Not Analyzed or Not Applicable
821 = Result exceeds PADEP MSC
* MSCs are listed for Chromium (III) based on absence of detectable Chromium VI at site.

Table 6 (cont.)
Summary of Soil Sample Delineation Results: Ohio Blenders Property
Northwest Triangle Initiative
York City, York County, Pennsylvania

Soil Total Metals Analytical Results
Sample Date July 27, 2009

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	OB-2 (36")	S-31 (24")	OB-F (48")	OB-G (48")	OB-P (36")	OB-P (48")	OP-R (48")	OB-AC (48")	OB-AD (36")	OB-AF (12")	OB-AF (24")	OB-AG (12")	OB-AG (24")	OB-AH (8")
Arsenic	**12**	**53**	**29**	6.7	**29.6**	7.0	6.1	**13.2**	5.9	6.7	**17.0**	9.9	5.6	2.9	**27.5**	2.6	2.1
Lead	**500**	**1,000**	**450**	NA	NA	NA	NA	NA	NA	NA	133	NA	NA	NA	NA	NA	NA

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	OB-AI (12")	OB-AI (24")	OB-AJ (12")	OB-AJ (24")	OB-AK (8")	OB-AL (12")	OB-AL (24")	OB-AL (36")	OB-AM (12")	OB-AM (36")
Arsenic	**12**	**53**	**29**	5.0	5.8	9.1	7.0	5.3	**15.8**	**20.1**	11.6	3.9	**12.7**

Sample Date August 10, 2009

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	OB-AM (48")	OB-AN (6")	OB-AN (24")	OB-AO (6")	OB-AP (6")	OB-AP (24")	OB-AQ (6")	OB-AQ (24")	OB-AR (6")	OB-AR (24")	OB-AR (36")	OB-AS (6")	OB-AS (24")	OB-AT (6")
Arsenic	**12**	**53**	**29**	5.7	7.6	9.3	**21.8**	**50.8**	7.5	**18.3**	3.8	8.5	**13.0**	**42.7**	**13.0**	7.2	10.1

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	OB-AT (24")	OB-AU (6")	OB-AU (24")	OB-16 (36")	OB-AV (6")	OB-AV (24")	OB-AW (6")	OB-AX (6")	OB-AY (6")	OB-AZ (8")	OB-AZ (24")	OB-AZ (36")	OB-BA (6")
Arsenic	**12**	**53**	**29**	9.5	**13.7**	7.4	10.0	7.2	9.6	**21.5**	**14.2**	9.2	1.9	**17.2**	3.2	**24.6**

Notes:
All values in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide Health Medium Specific Concentration
NA = Not Analyzed or Not Applicable
821 = Result exceeds PADEP MSC

Table 6 (cont.)
Summary of Soil Sample Delineation Results: Ohio Blenders Property
Northwest Triangle Initiative
York City, York County, Pennsylvania

Soil Total Metals Analytical Results
Sample Date April 15, 2011

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	OB-EX-1 (6")	OB-EX-2 (6")	OB-EX-3 (6")	OB-EX-4 (6")	OB-EX-5 (6")	OB-EX-6 (10")	OB-AO (20")	OB-AR (30")	OB-EX-7 (24")	OB-EX-8 (10")	OB-BA (20")	OB-EX-9 (6")	OB-EX-10 (6")	S-40 (16")
Arsenic	12	53	29	12	24	21	16	16	5.1	8.7	9.6	8.4	7.8	16	5.0	9.3	3.4

Sample Date April 20-22, 2011

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	OB-EX-11 (24")	OB-EX-12 (12")	OB-EX-13 (8")	OB-EX-14 (12")	OB-EX-15 (12")	OB-EX-16 (6")	OB-EX-17 (8")	OB-EX-18 (6")	OB-EX-19 (12")	OB-EX-20 (8")	OB-EX-21 (8")	OB-EX-22 (9")	OB-EX-23 (12")	Bank Edge 1
Arsenic	12	53	29	3.4	5.7	6.0	3.5	4.9	14.7	43.0	38.5	55.9	7.3	7.2	157	3.5	6.8
Lead	500	1,000	450	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	209	NA	NA

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	Bank Edge 2	Bank Edge 3	Stockpile 1	Stockpile 2	Stockpile 3	S-19-2 (9")	OB-AC-2 (36")	S-21-2 (9")	OB-X-1 (24")	OB-X-2 (24")	OB-X-3 (36")	OB-X-4 (36")	OB-X-5 (36")	OB-X-6 (24")
Arsenic	12	53	29	6.5	2.7	13.2	17.9	15.5	72.7	8.6	34.2	16.4	8.5	4.6	8.7	114	95.8
Lead	500	1,000	450	NA	NA	NA	NA	NA	1540	263	5060	NA	NA	NA	NA	NA	NA

Sample Date April 25-26, 2011

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	B-1 (7")	S-28 (16")	OB-EX-24 (36")	OB-EX-25 (36")	OB-EX-26 (18")	OB-EX-27 (12")	OB-EX-28 (12")	OB-EX-29 (6")	OB-EX-29 (24")
Arsenic	12	53	29	5.6	16	6.0	6.3	8.9	5.8	7.6	13	8.5
Lead	500	1,000	450	54	150	NA	NA	NA	NA	NA	NA	NA

Notes:
All values in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide Health Medium Specific Concentration
NA = Not Analyzed or Not Applicable
821 = Result exceeds PADEP MSC

Table 6 (cont.)
Summary of Soil Sample Delineation Results: Ohio Blenders Property
Northwest Triangle Initiative
York City, York County, Pennsylvania

Soil Total Metals Analytical Results
Sample Date April 27, 2011

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	SR-W-1	SR-W-2	SR-W-3	SR-W-4	SR-W-5	SR-W-6	SR-W-7	SR-W-8	SR-W-9	SR-W-10	SR-W-11	SR-W-12	SR-W-13	SR-W-14
Arsenic	12	53	29	6	79	93	11	14	6.3	11	9.5	11	110	11	12	66	4.8

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	SR-W-15	SR-W-16	SR-W-17	SR-W-18	SR-W-19	SR-W-20	SR-W-21	SR-W-22	SR-W-23	SR-W-24	S-21 (16")	S-19 (54")
Arsenic	12	53	29	39	55	6.2	11	5.5	9.1	30	37	8.0	13	310	17
Lead	500	1,000	450	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14,000	350

Sample Date May 3, 2011

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	SR-W-37	SR-W-38	SR-W-39	SR-W-40	SR-W-41	SR-W-42	SR-W-43	SR-W-44	SR-W-45	SR-W-46	SR-W-47	SR-W-48
Arsenic	12	53	29	9.2	7.4	41	6.2	21	46	100	6.3	5.7	22	9.4	9.6

Sample Date May 4, 2011

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	OB-EX-22 (54")	OB-EX-30 (16")	OB-EX-31 (54")
Arsenic	12	53	29	5.7	4.4	10
Lead	500	1,000	450	37	19	570

Sample Date May 5, 2011

OB-EX-32 (20")	OB-EX-33 (20")	S-19 (70")
5.6	37	83
780	300	5.7

Sample Date May 9, 2011

OB-EX-31 (70")	OB-EX-32 (36")	OB-EX-33 (36")
NA	NA	5.5
1,200	47	NA

Sample Date May 10, 2011

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	SR-W-49	SR-W-50	SR-W-51	SR-W-52	SR-W-53	SR-W-54	SR-W-55	SR-W-56	SR-W-57	SR-W-58	SR-W-59	SR-W-60	OB-EX-31 (76")
Arsenic	12	53	29	7.5	7.4	7.5	76	7.7	8.1	20	530	9.2	24	24	130	NA
Lead	500	1,000	450	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	68

Notes:
All values in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide Health Medium Specific Concentration
NA = Not Analyzed or Not Applicable
821 = Result exceeds PADEP MSC

Table 7
Summary of Attainment Demonstration Data: York Rail Property
Northwest Triangle Initiative
City of York, York County, Pennsylvania

Post-Excavation Sampling Results
Sample Date March 4, 2009

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	York Rail S1	York Rail S2	York Rail S3	York Rail S4	York Rail S5	York Rail S6	York Rail S7	York Rail S8	York Rail S9	York Rail S10	York Rail S11	York Rail S12
Arsenic	**12**	**53**	**29**	6.7	11.6	9.6	**15.8**	10.5	8.4	9.7	10.9	8.6	6.4	8.8	10.6
Lead	**500**	**1,000**	**450**	22.7	29.2	229	269	305	149	123	24.3	228	130	53.4	94.5

Notes:
All results in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide Health Medium Specific Concentration
NA = Not Analyzed
15.8 = Result exceeds PADEP MSC

Table 8
Summary of Attainment Demonstration Data: Keystone Color Works
Northwest Triangle Initiative
City of York, York County, Pennsylvania

Post-Excavation Sample Results
Sample Date March 10, 2009

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	KCW2-S1 (1') 3-09	KCW2-S2 (1') 3-09	KCW2-S3 (6") 3-09	KCW2-S4 (6") 3-09	KCW2-S5 (1') 3-09	KCW2-S6 (8") 3-09	KCW2-S7 (1') 3-09	KCW2-S8 (1') 3-09
Lead	**500**	**1,000**	**450**	74.3	32.1	275	144	75.2	110	24.1	28.4

Notes:
All results in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide Health Medium Specific Concentration
NA = Not Analyzed

Table 9
Summary of Attainment Demonstration Data: Weaver's Auto Body
Northwest Triangle Initiative
City of York, York County, Pennsylvania

West Excavation Post-Excavation Sampling Results
Sample Date March 9, 2009

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Non-Residential Direct Contact MSC (2-15')	Soil to Groundwater MSC	WAB-X1 (7') 3-09	WAB-X2 (9') 3-09	WAB-X3 (7') 3-09	WAB-X4 (9') 3-09	WAB-X5 (9') 3-09	WAB-X6 (9') 3-09	WAB-X7 (7') 3-09	WAB-X8 (9') 3-09
Benzene	**57**	**290**	**330**	**0.5**	<0.0675	<0.0807	<0.0619	<0.0678	<0.0805	<0.0690	<0.0613	<0.0619

Notes:
All results in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide Health Medium Specific Concentration
NA = Not Analyzed
15.8 = Result exceeds PADEP MSC

Table 9 (cont.)
Summary of Attainment Demonstration Data: Weaver's Auto Body
Northwest Triangle Initiative
City of York, York County, Pennsylvania

East Excavation Post-Excavation Sampling Results
Sample Date March 9, 2009

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Non-Residential Direct Contact MSC (2-15')	Soil to Groundwater MSC	WAB-S1 (7') 3-09	WAB-S2 (9') 3-09	WAB-S3 (7') 3-09	WAB-S4 (9') 3-09	WAB-S5 (7') 3-09	WAB-S6 (7') 3-09	WAB-S7 (9') 3-09	WAB-S8 (9') 3-09
Benzene	**57**	**290**	**330**	**0.5**	<0.112	<0.0520	<0.0581	<0.0579	<0.0542	<0.0541	<0.0632	<0.0738

Notes:
All results in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide Health Medium Specific Concentration
NA = Not Analyzed
15.8 = Result exceeds PADEP MSC

Table 10
Summary of Attainment Demonstration Data: B&C Fasteners
Northwest Triangle Initiative
City of York, York County, Pennsylvania

West Excavation Post-Excavation Sampling Results
Sample Date February 27, 2009

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (2-15')	Soil to Groundwater MSC	BC-S1 (3') 2-09	BC-S2 (3') 2-09	BC-S3 (3') 2-09	BC-S4 (3') 2-09	BC-S5 (3') 2-09	BC-S6 (3') 2-09	BC-S7 (3') 2-09	BC-S8 (3') 2-09	BC-S9 (3') 2-09	BC-S10 (3') 2-09	BC-S11 (3') 2-09	BC-S12 (3') 2-09
Arsenic	**12**	**53**	**29**	9.4	<3.3	6.0	5.9	4.7	8.9	5.7	5.8	<3.7	4.2	10.6	**17.9**
Lead	**500**	**1,000**	**450**	18.1	2.2	13.9	14.1	20.1	9.7	15.2	19.5	12.1	12.3	170	10.7

Notes:
All results in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide Health Medium Specific Concentration
NA = Not Analyzed
15.8 = Result exceeds PADEP MSC

Table 10 (cont.)
Summary of Attainment Demonstration Data: B&C Fasteners
Northwest Triangle Initiative
City of York, York County, Pennsylvania

North Excavation Post-Excavation Sampling Results
Sample Date March 3, 2009

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (2-15')	Soil to Groundwater MSC	BC2-S1 (6") 3-09	BC2-S2 (10") 3-09	BC2-S3 (6") 3-09	BC2-S4 (10") 3-09	BC2-S5 (10") 3-09	BC2-S6 (6") 3-09	BC2-S7 (6") 3-09	BC2-S8 (10") 3-09
Arsenic	**12**	**53**	**29**	**45.6**	6.0	6.6	5.5	7.7	7.1	10.8	**18.6**

Notes:
All results in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide Health Medium Specific Concentration
NA = Not Analyzed
15.8 = Result exceeds PADEP MSC

Table 10 (cont.)
Summary of Attainment Demonstration Data: B&C Fasteners
Northwest Triangle Initiative
City of York, York County, Pennsylvania

East Excavation (next to UST) Post-Excavation Sampling Results
Sample Date March 6, 2009

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (2-15')	Soil to Groundwater MSC	BC3-S1 (4') 3-09	BC3-S2 (3') 3-09	BC3-S3 (4') 3-09	BC3-S4 (2') 3-09	BC3-S5 (2') 3-09	BC3-S6 (2') 3-09	BC3-S7 (3') 3-09	BC3-S8 (3') 3-09
Arsenic	**12**	**53**	**29**	9.3	8.5	5.9	5.6	7.9	11.2	5.4	5.2

Notes:
All results in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide Health Medium Specific Concentration
NA = Not Analyzed
15.8 = Result exceeds PADEP MSC

Table 11
Summary of Attainment Demonstration Data: Trestle Area
Northwest Triangle Initiative
City of York, York County, Pennsylvania

Post-Excavation Sampling Results
Sample Date February 26, 2009

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	Trestle-S1 (8') 2-09	Trestle-S2 (6') 2-09	Trestle-S3 (8') 2-09	Trestle-S4 (8') 2-09	Trestle-S5 (9') 2-09	Trestle-S6 (9') 2-09	Trestle-S7 (9') 2-09	Trestle-S8 (9') 2-09	Trestle-S9 (4') 2-09	Trestle-S10 (9') 2-09	Trestle-S11 (9') 2-09	Trestle-S12 (9') 2-09
Arsenic	**12**	**53**	**29**	**10.2**	**11.1**	**46.1**	**6.4**	**17.3**	**16.5**	**13.0**	**11.3**	**15.8**	**5.4**	**8.7**	**7.6**
Benzo(a)pyrene	**0.57**	**11**	**46**	**0.181**	<0.121	**1.080**	**0.178**	**1.960**	**0.403**	**0.522**	**0.320**	<0.0554	**0.404**	<0.0608	**0.113**

Notes:
All results in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide Health Medium Specific Concentration
NA = Not Analyzed
15.8 = Result exceeds PADEP MSC

Table 11 (cont.)
Summary of Attainment Demonstration Data: Trestle Area
Northwest Triangle Initiative
City of York, York County, Pennsylvania

Post-Excavation Sampling Results
Sample Date March 17, 2009

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	Trestle-S1	Trestle-S2	Trestle-S3	Trestle-S4	Trestle-S5	Trestle-S6	Trestle-S7	Trestle-S8	Trestle-S9	Trestle-S10	Trestle-S11	Trestle-S12
Arsenic	**12**	**53**	**29**	5.6	6.0	7.2	4.6	5.7	4.8	4.5	**12.6**	5.2	4.7	5.4	7.4

Notes:
All results in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide Health Medium Specific Concentration
NA = Not Analyzed
15.8 = Result exceeds PADEP MSC

Table 12
Soil Attainment Analytical Results: Ohio Blenders Property
Northwest Triangle Initiative
York City, York County, Pennsylvania

Southwest Exacation Systematic Random Sampling
Sample Date May 3, 2011

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	SR-W-25	SR-W-26	SR-W-27	SR-W-28	SR-W-29	SR-W-30	SR-W-31	SR-W-32	SR-W-33	SR-W-34	SR-W-35	SR-W-36
Arsenic	12	53	29	7.4	6.5	**18**	5.2	4.4	6.7	12	**14**	8.0	7.7	6.2	8.0

Northeast Excavation Systematic Random Sampling
Sample Date May 4, 2011

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	SR-E-1	SR-E-2	SR-E-3	SR-E-4	SR-E-5	SR-E-6	SR-E-7	SR-E-8	SR-E-9	SR-E-10	SR-E-11	SR-E-12
Arsenic	12	53	29	**13**	4.0	5	6.5	8.0	5.3	4.2	8.0	7.8	**19**	10	7.1

Northwest Excavation Systematic Random Sampling
Sample Date May 13, 2011

Parameter	Residential Direct Contact MSC (0-15')	Non-Residential Direct Contact MSC (0-2')	Soil to Groundwater MSC	SR-W-61	SR-W-62	SR-W-63	SR-W-64	SR-W-65	SR-W-66	SR-W-67	SR-W-68	SR-W-69	SR-W-70	SR-W-71	SR-W-72
Arsenic	12	53	29	8.2	**14**	11	5.5	9.6	4.7	**16**	5.9	7.7	4.6	5.4	3.8

Notes:
All values in milligrams per kilogram (mg/kg)
MSC = PADEP Statewide Health Medium Specific Concentration
NA = Not Analyzed or Not Applicable
821 = Result exceeds PADEP MSC

Table 13
Groundwater Elevation Summary

Northwest Triangle Initiative
City of York, Pennsylvania

Monitoring Well	Top of Casing Elevation	1/15/2008		2/21/2008		6/29/2009		7/27/2009		4/26/2011		8/19/2011	
		DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE
MW-1S	362.07	47.57	314.50	35.07	327.00	17.83	344.24	16.41	345.66	12.95	349.12	15.40	346.67
MW-2S	365.00	13.75	351.25	13.09	351.91	13.48	351.52	13.65	351.35	12.90	352.10	13.43	351.57
MW-3S	362.94	NA	NA	NA	NA	15.34	347.60	15.90	347.04	13.91	349.03	16.07	346.87
MW-3B	362.96	NA	NA	NA	NA	14.40	348.56	14.90	348.06	12.88	350.08	16.06	346.90
MW-4S	366.03	NA	NA	NA	NA	21.13	344.90	21.43	344.60	20.94	345.09	21.2	344.83
MW-4B	366.10	NA	NA	NA	NA	20.75	345.35	27.41	338.69	21.18	344.92	21.18	344.92
MW-5S	363.91	NA	NA	NA	NA	16.21	347.70	16.91	347.00	15.38	348.53	17.07	346.84
MW-5B	363.48	NA	NA	NA	NA	13.79	349.69	21.82	341.66	15.19	348.29	16.63	346.85

All elevations in feet, based on estimated local benchmark.
DTW = Depth to groundwater
GWE = Groundwater Elevation
NA = Not Applicable (well was not yet installed)

Table 14
Groundwater Analytical Results

Northwest Triangle Initiative
City of York, Pennsylvania

Parameter	PADEP Residential Used Aquifer MSC	PADEP Residential Non-Use Aquifer MSC	MW-1S			MW-2S					MW-3S				MW-3B			
			1/15/2008	2/21/2008	9/10/2008	1/15/2008	2/21/2008	7/27/2009	4/26/2011	8/19/2011	6/29/2009	7/27/2009	4/26/2011	8/19/2011	6/29/2009	7/27/2009	4/26/2011	8/19/2011
VOLATILES																		
Acetone	**33,000**	**100,000**	8.3J	7.0J	NA	<10.0	7.0J	NA	NA	NA	<10.0	<10.0	<10.0	NA	9.3J	<10.0	<10.0	<10.0
2-Butanone	**4,000**	**400,000**	<10.0	<10.0	NA	<10.0	<10.0	NA	NA	NA	<10.0	<10.0	<10.0	NA	7.0J	<10.0	<10.0	<10.0
Carbon Disulfide	**1,500**	**1,500**	1.6	0.27J	NA	<1.0	<1.0	NA	NA	NA	0.42J	<1.0	<1.0	NA	0.73J	1.6	1.1	1.1
Chloroform	**80**	**800**	<1.0	0.23J	NA	<1.0	<1.0	NA	NA	NA	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	**31**	**310**	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	**70**	**700**	<1.0	0.98J	NA	<1.0	<1.0	NA	NA	NA	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	**5**	**500**	<1.0	1.2	NA	<1.0	1.0	NA	NA	NA	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	**5**	**50**	<1.0	0.62J	NA	<1.0	<1.0	NA	NA	NA	0.41J	0.47J	<1.0	NA	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	**200**	**2,000**	<1.0	<1.0	NA	<1.0	<1.0	NA	NA	NA	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0
Trichloroethene	**5**	**50**	<1.0	0.30J	NA	<1.0	<1.0	NA	NA	NA	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0
SEMIVOLATILES																		
Acenaphthene	**2,200**	**3,800**	NA	<2.9	<2.9	3.2	1.7J	NA	NA	NA	0.33J	<1.4	NA	NA	<1.4	<1.4	NA	NA
Di-n-Butylphthalate	**3,700**	**400,000**	NA	<2.9	<2.9	0.60J	<2.8	NA	NA	NA	0.32J	<2.9	NA	NA	0.41J	<2.9	NA	NA
bis(2-Ethylhexyl)phthalate	**6**	**290**	NA	0.92J	<2.9	<2.9	<2.8	NA	NA	NA	0.86J	<2.9	NA	NA	**6.9**	3.1	<2.8	**8.5**
Fluorene	**1,500**	**1,900**	NA	<1.9	<1.9	3.8	2.0	NA	NA	NA	0.49J	<1.4	NA	NA	<1.4	<1.4	NA	NA
Phenanthrene	**1,100**	**1,100**	NA	<1.4	<1.4	1.6	<1.4	NA	NA	NA	<1.4	<1.4	NA	NA	<1.4	<1.4	NA	NA
Pyrene	**130**	**130**	NA	<1.4	<1.4	<1.4	<1.4	NA	NA	NA	0.49J	<1.4	NA	NA	<1.4	<1.4	NA	NA
METALS																		
Arsenic	**10**	**10,000**	<10	3J	NA	7J	7J	8.3	<3	NA	<8.0	3.7J	<3	NA	<8.0	4.6J	<3	<3
Chromium	**100**	**100,000**	47	7	NA	<5	<5	2.3J	NA	NA	2.2J	2.2J	NA	NA	26	3.2J	NA	NA
Copper	**1,000**	**1,000,000**	<10	12	NA	<10	<10	<10	NA	NA	3.7J	<10	NA	NA	<10	<10	NA	NA
Lead	**5**	**5,000**	<2	<2	NA	**7J**	<2	<2	<2	<2	**5.7J**	<2	<2	<2	4.6J	<2	<2	<2
Nickel	**100**	**100,000**	3J	2J	NA	<20	<20	<20	NA	NA	7.6J	<20	NA	NA	9.5J	<20	NA	NA
Zinc	**2,000**	**2,000,000**	6J	390	NA	5J	<20	<20	NA	NA	30	<20	NA	NA	<20	<20	NA	NA

All values in micrograms per liter (ug/L)
MSC = PADEP Statewide Health Medium Specific Concentration (25 PA Code Chapter 250)
6.9 Result exceeds PADEP Used Aquifer MSC
NA = Not Analyzed
J = indicates concentration estimated by laboratory

Table 14 (cont.)
Groundwater Analytical Results

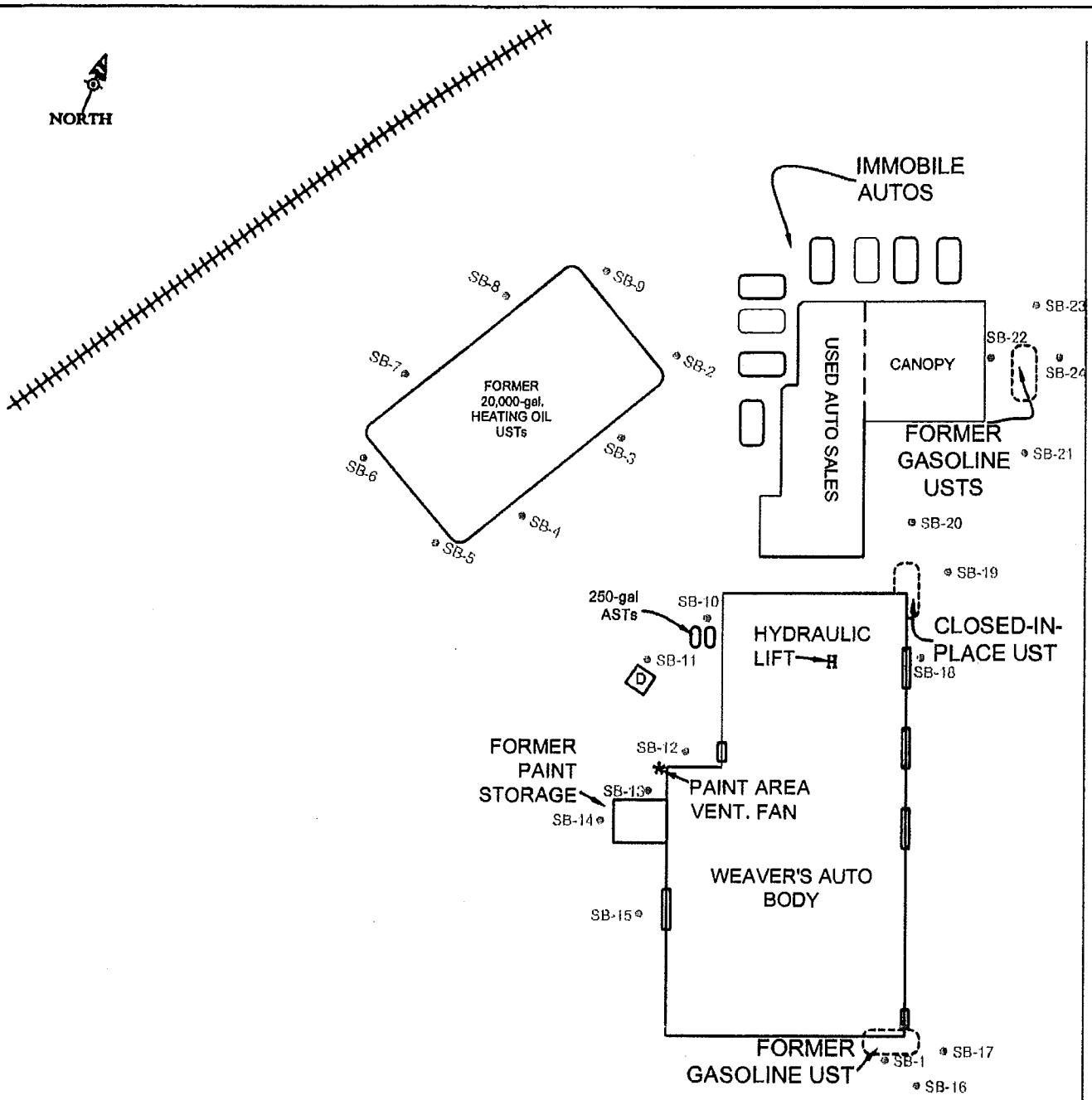
Northwest Triangle Initiative
City of York, Pennsylvania

Parameter	PADEP Residential Used Aquifer MSC	PADEP Residential Non-Use Aquifer MSC	MW-4S				MW-4B				MW-5S				MW-5B				Trip Blank		
			6/29/2009	7/27/2009	4/26/2011	8/19/2011	6/29/2009	7/27/2009	4/26/2011	8/19/2011	6/29/2009	7/27/2009	4/26/2011	8/19/2011	6/29/2009	7/27/2009	4/26/2011	8/19/2011	2/21/2008	6/29/2009	7/27/2009
VOLATILES																					
Acetone	**33,000**	**100,000**	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NA	<10.0	<10.0	<10.0
2-Butanone	**4,000**	**400,000**	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NA	<10.0	<10.0	<10.0
Carbon Disulfide	**1,500**	**1,500**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0
Chloroform	**80**	**800**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.79J	<1.0	<1.0	<1.0	0.52J	<1.0	<1.0	NA	<1.0	0.35J	<1.0
1,1-Dichloroethane	**31**	**310**	<1.0	<1.0	<1.0	<1.0	1.1	0.78J	<1.0	<1.0	0.60J	0.62J	<1.0	<1.0	<1.0	0.45J	<1.0	NA	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	**70**	**700**	1.5	0.47J	<1.0	<1.0	2.5	1.7	2.3	1.7	2.7	3.2	2.1	2.6	1.7	1.7	1.8	NA	<1.0	<1.0	<1.0
Methylene Chloride	**5**	**500**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0
Tetrachloroethene	**5**	**50**	0.63J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	1.5	1.0	1.0	0.57J	0.55J	<1.0	NA	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	**200**	**2,000**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.56J	0.46J	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0
Trichloroethene	**5**	**50**	4.4	1.8	<1.0	<1.0	4.5	3.1	<1.0	<1.0	3.8	**6.3**	1.6	4.8	2.5	2.9	1.7	NA	<1.0	<1.0	<1.0
SEMIVOLATILES																					
Acenaphthene	**2,200**	**3,800**	<1.4	<1.4	NA	NA	<1.4	<1.4	NA	NA	<1.4	<1.4	NA	NA	<1.4	<1.4	NA	NA	NA	NA	NA
Di-n-Butylphthalate	**3,700**	**400,000**	<2.9	<2.9	NA	NA	<2.8	<2.9	NA	NA	<2.9	<2.9	NA	NA	<2.8	<2.8	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	**6**	**290**	0.79J	<2.9	NA	NA	<2.8	0.88J	NA	<2.8	4.8	<2.9	<2.8	<2.8	<2.8	0.82J	<2.8	NA	NA	NA	NA
Fluorene	**1,500**	**1,900**	<1.4	<1.4	NA	NA	<1.4	<1.4	NA	NA	<1.4	<1.4	NA	NA	<1.4	<1.4	NA	NA	NA	NA	NA
Phenanthrene	**1,100**	**1,100**	<1.4	<1.4	NA	NA	<1.4	<1.4	NA	NA	<1.4	<1.4	NA	NA	<1.4	<1.4	NA	NA	NA	NA	NA
Pyrene	**130**	**130**	0.57J	<1.4	NA	NA	<1.4	<1.4	NA	NA	<1.4	<1.4	NA	NA	<1.4	<1.4	NA	NA	NA	NA	NA
METALS																					
Arsenic	**10**	**10,000**	<8.0	6.6J	<3	NA	<8.0	4.1J	<3	NA	<8.0	3.4J	<3	NA	<8.0	4.0J	<3	NA	NA	NA	NA
Chromium	**100**	**100,000**	2.8J	4.5J	NA	NA	2.4J	1.9J	NA	NA	2.6J	3.9J	NA	NA	1.8J	<5	NA	NA	NA	NA	NA
Copper	**1,000**	**1,000,000**	<10	<10	NA	NA	<10	<10	NA	NA	<10	<10	NA	NA	<10	<10	NA	NA	NA	NA	NA
Lead	**5**	**5,000**	4.9J	<2	<2	<2	**7.0**	<2	<2	<2	2.8J	<2	<2	NA	**5.6J**	<2	<2	<2	NA	NA	NA
Nickel	**100**	**100,000**	6.7J	14J	NA	NA	<20	<20	NA	NA	<20	<20	NA	NA	<20	<20	NA	NA	NA	NA	NA
Zinc	**2,000**	**2,000,000**	59	44	NA	NA	18J	8.0J	NA	NA	19J	63	NA	NA	9.4J	8.7J	NA	NA	NA	NA	NA

All values in micrograms per liter (ug/L)
MSC = PADEP Statewide Health Medium Specific Concentration (25 PA Code Chapter 250)
6.9 Result exceeds PADEP Used Aquifer MSC
NA = Not Analyzed
J = indicates concentration estimated by laboratory

APPENDIX A

Historical Results – Stage 1 Properties



LEGEND

SB-1 SOIL BORING LOCATION AND ID

D DUMPSTER

0 10 20 30 60

APPROX. SCALE IN FEET
(1 INCH = 30 FEET)

WEAVER'S AUTOBODY

SOIL BORING LOCATION MAP
MAY 2006

208 & 236 NORTH BEAVER STREET
YORK COUNTY, PENNSYLVANIA

Alliance Environmental Services, Inc.
www.alliance-env.com

REVISIONS	DRAWN BY	CHECKED BY	APPROVED BY	FIGURE
	SSN	DEW	PEN	4
	DATE	PROJECT No.	CAD FILE No.	
	MAY 2006	06-126.010	06-126.01-2	

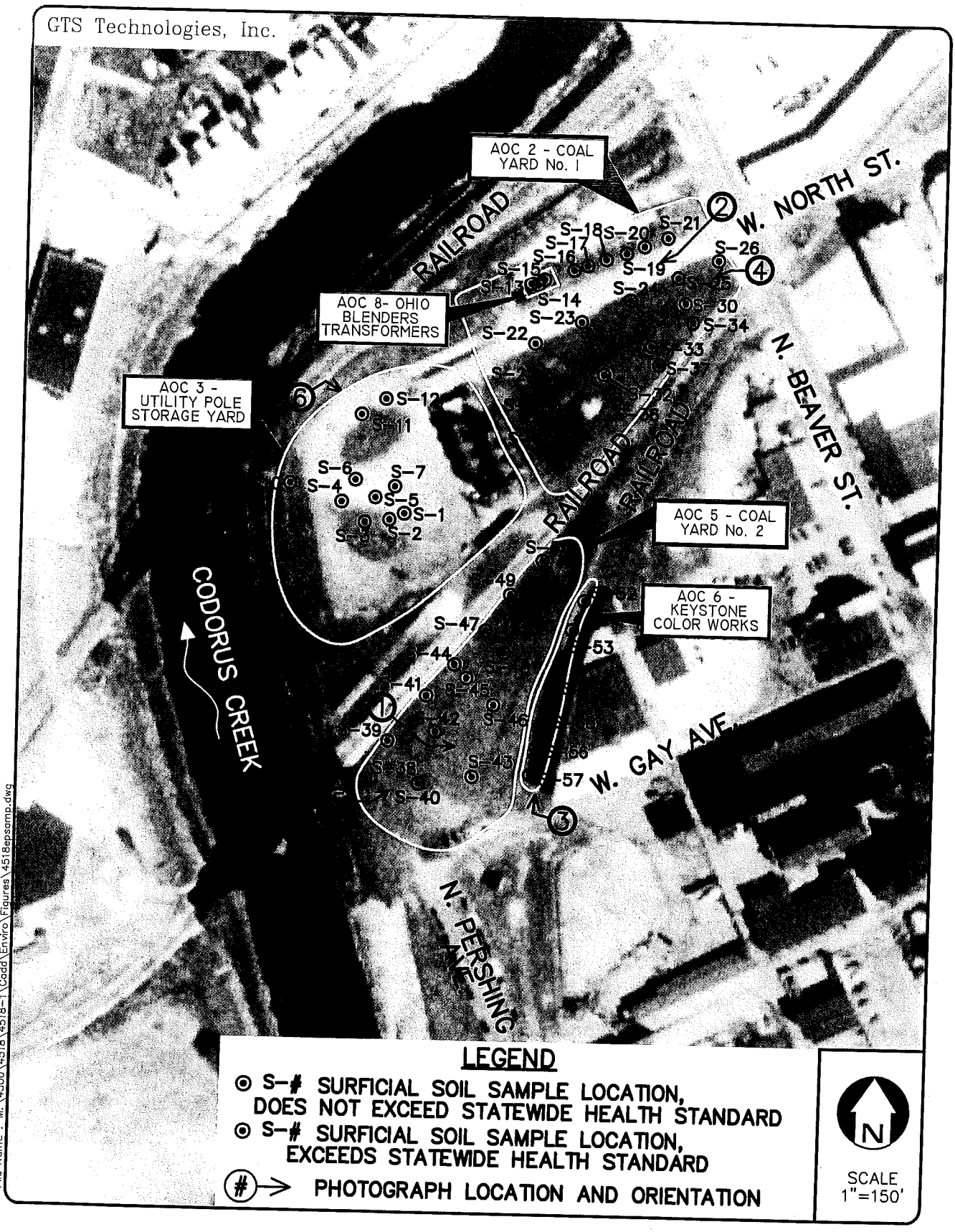
TABLE 2. DETECTED ANALYTES IN SOIL
WEAVER'S AUTO BODY
208-236 NORTH BEAVER STREET, YORK PENNSYLVANIA

Analyte	Units	Residential Screening Criteria				Sample Identification/Sample Depth (feet)/Date				
		Direct Contact Residential	Soil To Groundwater MSC		Protection of Indoor Air	SB-2	SB-5	SB-6S	SB-6D	SB-10
			100X GW MSC	Generic Value		1	12	2	10	2
						4/10/2006	4/10/2006	4/10/2006	4/10/2006	4/10/2006
Volatile Organic Compounds										
n-Butylbenzene	mg/kg	8800	150	950	NOC	ND	0.073	ND	2.679	ND
sec-Butylbenzene	mg/kg	8800	150	350	NOC	ND	0.039	ND	ND	ND
tert-Butylbenzene	mg/kg	8800	150	270	NOC	ND	ND	ND	0.307	ND
Cumene	mg/kg	7300	110	780	360	ND	0.028	ND	0.925	ND
Ethylbenzene	mg/kg	10000	70	46	5.7	0.010	ND	ND	ND	ND
Naphthalene	mg/kg	4400	10	25	64	ND	ND	ND	0.494	ND
n-Propylbenzene	mg/kg	8800	150	290	93	ND	0.030	ND	2.798	ND
1,2,3-Trichloropropane	mg/kg	0.16	4	3.2	0.094	ND	ND	ND	ND	0.006
Toluene	mg/kg	7600	100	44	76	5.85	0.028	0.011	ND	ND
Total Xylenes	mg/kg	8000	1000	990	55	0.033	ND	ND	ND	ND

NOTES/COMMENTS:

ND = Not Detected
NOC = Not of Concern
MSC = Medium Specific Concentration
Direct Contact Numeric Values for Soil as presented in Table 3A of Appendix A of Title 25 Chapter 250
Soil to Groundwater Numeric Values as presented in Table 3B of Appendix A of Title 25 Chapter 250
Results screened to the higher value of 100XGW MSC or Generic Value Soil to Ground Water MSCs per Act 2 § 6026.303
Protection of Indoor Air from Table 4 (Soil Screening Values for Protection of Indoor Air – Residential) of the Final Guidance on Vapor Intrusion into Buildings from Groundwater and Soil Under the Act 2 Statewide Health Standards dated January 24, 2004

GTS Technologies, Inc.



User Name : MLiverin/SFreistok
File Name : M:\4500\4518\4518-1\Cadd\Enviro\Figures\4518epsamp.dwg

LEGEND

- ⊙ S-# SURFICIAL SOIL SAMPLE LOCATION, DOES NOT EXCEED STATEWIDE HEALTH STANDARD
- ⊙ S-# SURFICIAL SOIL SAMPLE LOCATION, EXCEEDS STATEWIDE HEALTH STANDARD
- (#)→ PHOTOGRAPH LOCATION AND ORIENTATION

N

SCALE 1"=150'

SURFICIAL SOIL SAMPLE LOCATION MAP

KEYSTONE COLOR WORKS AND OHIO BLENDERS
CITY OF YORK
YORK COUNTY, PENNSYLVANIA

NOV. 2005

FIGURE 4

TABLE 1
SUMMARY OF SAMPLE RESULTS
SOILS UNDERLYING EXTERIOR WINDOWS

Analyte	Sample Location Sample Depth (ft.)						Statewide Health Standard for Residential Use (mg/kg)	Statewide Health Standard for Non-Residential Use (mg/kg)
	S-52 1.0	S-53 1.0	S-54 1.0	S-55 1.0	S-56 1.0	S-57 1.0		
	Result (mg/kg)							
Lead	**945**	**702**	**510**	266	107	**1,200**	450	450

Notes:

945 = One or more Statewide Health Standard exceeded for analyte.

TABLE 2
SUMMARY OF SAMPLE RESULTS
SOILS WITHIN FORMER COAL STORAGE AREAS

Analyte	Sample Location / Sample Depth (ft.)												Statewide Health Standard for Residential Use (mg/kg)	Statewide Health Standard for Non-Residential Use (mg/kg)
	S-16 1.0	S-17 1.0	S-18 1.0	S-19 0.8	S-20 1.0	S-21 0.8	S-22 0.7	S-23 0.7	S-24 0.7	S-25 0.5	S-26 0.5	S-27 0.8		
	Result (mg/kg)													
PPL Metals														
Antimony	4.0	BDL	4.6	3.4	BDL	BDL	BDL	BDL	**48.7**	BDL	BDL	BDL	27	27
Arsenic	**38.9**	**12.7**	**36.6**	**345**	2.9	**87.0**	9.4	8.7	10.3	**14.4**	11.1	**23.2**	12	53
Beryllium	1.4	0.57	1.3	0.56	0.54	1.4	1.3	2.0	1.3	1.3	1.1	1.2	320	320
Cadmium	5.2	1.9	3.6	1.4	0.54	4.1	2.4	3.2	2.9	2.9	2.6	2.8	38	38
Chromium	29.3	7.0	16.1	21.8	12.8	24.8	23.4	23.8	21.6	26.2	22.2	23.3	94[1]	190[1]
Copper	117.	20.4	110	74.0	26.4	81.8	22.2	21.4	50.1	35.4	35.9	29.6	8,200	36,000
Lead	**868.**	81.1	**790**	**3,450**	40.3	**2,140**	56.4	43.8	121.	220.	195.	90.1	450	450
Mercury	1.3	0.41	1.2	7.1	BDL	1.3	0.34	0.24	0.88	2.0	2.2	2.2	10	10
Nickel	39.7	10.6	25.1	12.9	16.5	31.2	18.5	20.5	18.8	21.1	20.0	26.2	650	650
Selenium	BDL	4.4	12.2	9.3	BDL	BDL	6.4	BDL	10.8	BDL	BDL	7.4	26	26
Silver	BDL	BDL	BDL	3.7	BDL	BDL	BDL	8.5	BDL	BDL	BDL	BDL	84	84
Thallium	5.2	BDL	4.0	6.8	BDL	4.8	BDL	5.0	BDL	BDL	BDL	2.9	14	14
Zinc	392.	29.2	101	324	28.2	223	75.9	69.0	141.	119.	155.	179	12,000	12,000
PPL SVOCs														
Acenaphthene	BDL	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	NA	2,700	4,700
Acenaphthylene	0.150	BDL	NA	NA	NA	NA	NA	BDL	0.389	BDL	BDL	NA	2,500	6,900
Anthracene	0.0997	BDL	NA	NA	NA	NA	NA	BDL	0.178	BDL	BDL	NA	350	350
Benzo(a)anthracene	0.533	BDL	NA	NA	NA	NA	NA	BDL	2.810	0.143	0.107	NA	25	110
Benzo(a)pyrene	0.379	BDL	NA	NA	NA	NA	NA	BDL	1.550	0.106	0.0900	NA	2.5	11
Benzo(b)fluoranthene	0.523	BDL	NA	NA	NA	NA	NA	BDL	2.310	0.172	0.152	NA	25	110
Benzo(g,h,i)perylene	0.563	BDL	NA	NA	NA	NA	NA	BDL	1.440	BDL	BDL	NA	180	180
Benzo(k)fluoranthene	0.391	BDL	NA	NA	NA	NA	NA	BDL	2.100	0.133	0.130	NA	250	610
Bis(2-Ethylhexyl)phthalate	BDL	BDL	NA	NA	NA	NA	NA	BDL	0.195	BDL	BDL	NA	130	130
Carbazole	0.101	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	NA	21	83
Chrysene	1.010	BDL	NA	NA	NA	NA	NA	BDL	4.450	0.314	2.77	NA	230	230
Dibenzo(a,h)anthracene	BDL	BDL	NA	NA	NA	NA	NA	BDL	0.164	BDL	BDL	NA	2.5	11
Dibenzofuran	BDL	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	NA	*	*
Diphenylhydrazine, 1,2-	BDL	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	NA	0.15	0.58
Fluoranthene	1.130	BDL	NA	NA	NA	NA	NA	BDL	7.830	0.376	0.315	NA	3,200	3,200
Fluorene	BDL	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	NA	3,000	3,800
Indeno(1,2,3-cd)pyrene	0.427	BDL	NA	NA	NA	NA	NA	BDL	1.440	0.100	0.965	NA	25	110
Methylnaphthalene, 2-	BDL	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	NA	2,900	8,000
Naphthalene	BDL	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	NA	25	25
Phenanthrene	0.629	BDL	NA	NA	NA	NA	NA	BDL	0.457	0.172	0.156	NA	10,000	10,000
Pyrene	1.080	BDL	NA	NA	NA	NA	NA	BDL	6.760	3.330	0.268	NA	2,200	2,200

Notes: BDL = The reported result is Below the laboratory Detection Limit. NA = Not Analyzed. * = No Statewide Health Standard has been established for this analyte.
1 = No Statewide Health Standard values for total chromium have been established. This value for chromium VI has been used, as it is more restrictive than the value for chromium III.
38.9 = One or more Statewide Health Standard exceeded for analyte.

TABLE 2 (continued)
SUMMARY OF SAMPLE RESULTS
SOILS WITHIN FORMER COAL STORAGE AREAS

Analyte	Sample Location / Sample Depth (ft.)												Statewide Health Standard for Residential Use (mg/kg)	Statewide Health Standard for Non-Residential Use (mg/kg)
	S-28 0.8	S-29 0.7	S-30 0.7	S-31 0.7	S-32 0.8	S-33 0.7	S-34 0.7	S-35 0.7	S-36 0.7	S-37 0.7	S-38 0.7	S-39 0.8		
	Result (mg/kg)													
PPL Metals														
Antimony	17.9	BDL	BDL	BDL	BDL	3.2	BDL	BDL	BDL	4.6	BDL	BDL	27	27
Arsenic	**59.8**	**15.6**	5.6	**22.9**	6.4	**20.7**	**31.5**	9.7	**13.2**	**31.2**	5.2	10.8	12	53
Beryllium	1.1	1.5	0.88	4.9	0.54	1.3	0.88	0.58	0.79	0.84	1.2	1.4	320	320
Cadmium	3.8	3.4	2.0	5.5	1.4	3.1	2.1	2.3	2.0	1.9	3.1	3.2	38	38
Chromium	54.5	73.5	15.6	35.6	9.9	29.9	33.5	8.9	12.4	28.9	19.4	39.2	94[1]	190[1]
Copper	122.	32.2	24.1	54.6	19.3	41.2	23.9	18.5	29.3	43.5	44.4	41.2	8,200	36,000
Lead	218.	90.3	67.8	147.	65.2	126.	51.8	61.3	89.0	112.	97.5	127.	450	450
Mercury	0.95	0.78	0.73	2.3	0.77	1.1	1.2	0.19	1.2	0.79	1.3	1.4	10	10
Nickel	108.	45.2	11.0	44.3	13.1	38.7	20.0	8.9	14.9	27.6	25.3	50.1	650	650
Selenium	13.8	12.6	BDL	BDL	BDL	10.4	8.3	BDL	6.1	BDL	11.3	BDL	26	26
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	84	84
Thallium	3.5	BDL	BDL	BDL	BDL	3.0	3.6	BDL	BDL	BDL	BDL	3.3	14	14
Zinc	234.	112.	108.	349.	101.	204.	62.5	71.1	116.	97.4	135.	142.	12,000	12,000
PPL SVOCs														
Acenaphthene	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	2,700	4,700
Acenaphthylene	0.218	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	2,500	6,900
Anthracene	0.330	NA	NA	BDL	BDL	0.0861	BDL	BDL	BDL	BDL	BDL	NA	350	350
Benzo(a)anthracene	0.365	NA	NA	0.184	BDL	0.435	0.0910	BDL	BDL	0.490	0.232	NA	25	110
Benzo(a)pyrene	0.324	NA	NA	0.154	BDL	0.333	0.0760	BDL	BDL	0.348	0.161	NA	2.5	11
Benzo(b)fluoranthene	0.760	NA	NA	0.174	BDL	0.405	0.100	BDL	0.0730	0.500	0.185	NA	25	110
Benzo(g,h,i)perylene	0.686	NA	NA	0.0980	BDL	0.353	BDL	BDL	BDL	0.342	0.143	NA	180	180
Benzo(k)fluoranthene	0.527	NA	NA	0.176	BDL	0.340	0.0920	BDL	BDL	0.424	0.189	NA	250	610
Bis(2-Ethylhexyl)phthalate	BDL	NA	NA	BDL	0.425	BDL	BDL	BDL	BDL	BDL	0.306	NA	130	130
Carbazole	0.0950	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	21	83
Chrysene	1.540	NA	NA	0.267	0.0922	0.702	0.140	0.103	0.114	1.020	0.436	NA	230	230
Dibenzo(a,h)anthracene	0.129	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	2.5	11
Dibenzofuran	0.404	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	*	*
Diphenylhydrazine, 1,2-	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	**0.184**	BDL	NA	0.15	0.58
Fluoranthene	1.540	NA	NA	0.450	0.133	0.989	0.176	0.111	0.146	1.280	0.645	NA	3,200	3,200
Fluorene	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	3,000	3,800
Indeno(1,2,3-cd)pyrene	BDL	NA	NA	0.103	BDL	0.339	BDL	BDL	BDL	0.347	0.144	NA	25	110
Methylnaphthalene, 2-	0.448	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	0.116	BDL	NA	2,900	8,000
Naphthalene	0.340	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	25	25
Phenanthrene	1.330	NA	NA	0.333	BDL	0.353	0.0900	BDL	0.0960	0.632	0.338	NA	10,000	10,000
Pyrene	1.120	NA	NA	0.370	0.114	0.882	0.147	0.123	0.131	1.120	0.581	NA	2,200	2,200

Notes: BDL = The reported result is Below the laboratory Detection Limit. NA = Not Analyzed. * = No Statewide Health Standard has been established for this analyte.
1 = No Medium Specific Concentration value for total chromium has been established. This value for chromium VI will been used, as it is more restrictive than the value for chromium III.
59.8 = One or more Statewide Health Standard exceeded for analyte.

TABLE 2 (continued)
SUMMARY OF SAMPLE RESULTS
SOILS WITHIN FORMER COAL STORAGE AREAS

Analyte	Sample Location / Sample Depth (ft.)												Statewide Health Standard for Residential Use (mg/kg)	Statewide Health Standard for Non-Residential Use (mg/kg)
	S-40 0.7	S-41 0.7	S-42 0.7	S-43 1.0	S-44 0.7	S-45 1.0	S-46 0.7	S-47 0.7	S-48 0.8	S-49 0.8	S-50 1.0	S-51 1.0		
	Result (mg/kg)													
PPL Metals														
Antimony	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	27	27
Arsenic	15.2	10.7	7.2	6.5	6.4	7.3	7.2	12.0	15.0	7.7	12.0	8.6	12	53
Beryllium	1.2	1.4	1.5	1.1	1.0	1.2	1.3	2.3	1.3	1.1	1.3	1.4	320	320
Cadmium	2.8	3.1	3.4	2.7	2.1	2.7	2.7	3.7	3.2	2.4	3.3	3.0	38	38
Chromium	31.9	29.8	177.	22.2	21.5	23.7	30.1	29.3	22.6	18.2	26.4	26.9	94[1]	190[1]
Copper	37.3	40.4	41.9	59.9	47.4	23.9	28.9	43.1	52.3	37.8	35.0	38.7	8,200	36,000
Lead	98.1	65.9	86.4	217.	73.7	47.6	49.0	88.4	61.4	89.0	98.5	66.1	450	450
Mercury	0.89	1.2	0.76	2.5	0.86	0.50	0.45	0.66	0.94	0.36	0.91	0.86	10	10
Nickel	45.5	26.5	19.7	19.1	17.9	16.1	19.0	21.8	28.3	15.8	21.5	20.9	650	650
Selenium	10.4	9.3	BDL	9.1	BDL	8.0	BDL	BDL	BDL	BDL	BDL	BDL	26	26
Silver	BDL	BDL	5.5	BDL	BDL	1.6	BDL	10.5	9.6	BDL	9.7	BDL	84	84
Thallium	BDL	BDL	BDL	3.1	BDL	BDL	BDL	4.5	4.5	BDL	BDL	3.6	14	14
Zinc	121.	75.9	94.3	151.	60.8	50.9	61.3	126.	65.2	91.5	88.9	95.2	12,000	12,000
PPL SVOCs														
Acenaphthene	BDL	BDL	NA	BDL	BDL	0.723	BDL	NA	BDL	BDL	BDL	BDL	2,700	4,700
Acenaphthylene	BDL	BDL	NA	BDL	BDL	BDL	0.290	NA	BDL	BDL	BDL	BDL	2,500	6,900
Anthracene	BDL	BDL	NA	0.106	0.293	1.180	0.304	NA	0.0758	0.147	BDL	BDL	350	350
Benzo(a)anthracene	0.175	0.262	NA	0.441	0.723	1.550	1.580	NA	0.183	0.533	0.143	0.186	25	110
Benzo(a)pyrene	0.146	0.258	NA	0.307	0.557	0.999	0.820	NA	0.160	0.538	0.128	0.132	2.5	11
Benzo(b)fluoranthene	0.172	0.272	NA	0.337	0.455	0.708	1.040	NA	0.181	0.456	0.169	0.127	25	110
Benzo(g,h,i)perylene	0.169	0.165	NA	0.246	0.520	0.710	0.413	NA	0.230	0.569	0.185	0.0982	180	180
Benzo(k)fluoranthene	0.165	0.242	NA	0.264	0.432	0.793	0.867	NA	0.194	0.428	0.133	0.132	250	610
Bis(2-Ethylhexyl)phthalate	1.690	BDL	NA	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	130	130
Carbazole	BDL	BDL	NA	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	21	83
Chrysene	0.371	0.354	NA	0.758	1.470	2.900	1.840	NA	0.407	1.210	0.370	0.309	230	230
Dibenzo(a,h)anthracene	BDL	BDL	NA	BDL	BDL	0.0850	BDL	NA	BDL	BDL	BDL	BDL	2.5	11
Dibenzofuran	BDL	BDL	NA	BDL	BDL	0.0916	BDL	NA	BDL	BDL	BDL	BDL	*	*
Diphenylhydrazine, 1,2-	BDL	BDL	NA	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	0.15	0.58
Fluoranthene	0.455	0.443	NA	1.210	1.270	2.530	2.560	NA	0.500	0.944	0.500	0.322	3,200	3,200
Fluorene	BDL	BDL	NA	BDL	BDL	0.788	BDL	NA	BDL	BDL	BDL	BDL	3,000	3,800
Indeno(1,2,3-cd)pyrene	0.164	0.154	NA	0.214	0.457	0.634	0.461	NA	0.193	0.498	0.159	0.0894	25	110
Methylnaphthalene, 2-	BDL	BDL	NA	BDL	BDL	0.370	BDL	NA	BDL	BDL	BDL	BDL	2,900	8,000
Naphthalene	BDL	BDL	NA	BDL	BDL	0.0983	BDL	NA	BDL	BDL	BDL	BDL	25	25
Phenanthrene	0.273	0.226	NA	1.140	0.887	3.380	0.497	NA	0.370	0.422	0.384	0.376	10,000	10,000
Pyrene	0.438	0.518	NA	1.250	1.920	3.790	2.070	NA	0.454	1.420	0.458	0.121	2,200	2,200

Notes: BDL = The reported result is Below the laboratory Detection Limit. NA = Not Analyzed. * = No Statewide Health Standard has been established for this analyte.
1 = No Statewide Health Standard values for total chromium have been established. This value for chromium VI has been used, as it is more restrictive than the value for chromium III.
15.2 = One or more Statewide Health Standard exceeded for analyte.

TABLE 3
SUMMARY OF SAMPLE RESULTS
SOILS WITHIN FORMER UTILITY POLE STORAGE AREA

Analyte	Sample Location / Sample Depth (ft.)													
	S-1 0.7	S-2 0.7	S-3 0.7	S-4 0.8	S-5 0.8	S-6 0.8	S-7 0.8	S-8 1.0	S-9 1.0	S-10 1.0	S-11 0.7	S-12 1.0	Statewide Health Standard for Residential Use (mg/kg)	Statewide Health Standard for Non-Residential Use (mg/kg)
	Result (mg/kg)													
Acenaphthylene	BDL	0.218	0.090	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2,500	6,900
Anthracene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.088	BDL	BDL	BDL	BDL	350	350
Benzo(a)anthracene	0.325	0.363	0.110	BDL	0.179	0.221	BDL	0.367	0.151	BDL	BDL	BDL	25	110
Benzo(a)pyrene	0.231	0.324	0.206	BDL	0.171	0.180	BDL	0.301	0.161	BDL	BDL	BDL	2.5	11
Benzo(b)fluoranthene	0.419	0.582	0.410	BDL	0.246	0.295	BDL	0.590	0.233	0.081	BDL	BDL	25	110
Benzo(g,h,i)perylene	0.134	0.268	0.361	BDL	0.099	0.141	BDL	0.278	0.229	0.088	BDL	BDL	180	180
Benzo(k)fluoranthene	0.325	0.439	0.314	BDL	0.212	0.214	BDL	0.406	0.177	0.085	BDL	BDL	250	610
Chrysene	0.625	0.767	0.731	0.113	0.295	0.411	BDL	0.902	0.464	0.216	0.159	BDL	230	230
Fluoranthene	0.699	0.561	0.402	0.119	0.287	0.366	BDL	0.866	0.515	0.273	0.111	BDL	3,200	3,200
Indeno(1,2,3-cd)pyrene	0.149	0.291	0.347	BDL	0.112	0.140	BDL	0.275	0.209	0.087	BDL	BDL	25	110
Phenanthrene	0.186	0.225	0.171	BDL	0.081	0.199	BDL	0.361	0.288	0.227	0.075	BDL	10,000	10,000
Pyrene	0.708	0.526	0.307	0.107	0.256	0.318	BDL	0.841	0.446	0.240	0.111	BDL	2,200	2,200

Notes: BDL = The reported result is Below the laboratory Detection Limit.

TABLE 4
SUMMARY OF SAMPLE RESULTS
SOILS UNDERLYING TRANSFORMERS

Analyte	Sample Location Sample Depth (ft.)			Statewide Health Standard for Residential Use (mg/kg)	Statewide Health Standard for Non-Residential Use (mg/kg)
	S-13 1.0	S-14 0.8	S-15 1.0		
	Result mg/kg				
Aroclor 1260	BDL	0.12	0.16	30	130

Notes: BDL = Below Detection Limit.

TABLE 5
SUMMARY OF SAMPLE RESULTS
SOILS WITHIN AREA OF HISTORIC GASOLINE USTS

Analyte	Sample Location Sample Depth (ft.)								Statewide Health Standard for Residential Use (mg/kg)	Statewide Health Standard for Non-Residential Use (mg/kg)
	B-1 6-8	B-2 10-12	B-3 12-13	B-4 16-18	B-5 13-15	B-6 14-15	B-7 12-14	B-8 13-14.7		
	Result mg/kg									
Benzene	0.0813	BDL	BDL	BDL	BDL	BDL	0.0078	BDL	0.5	0.5
Cumene (Synonym: Isopropylbenzene)	BDL	BDL	BDL	BDL	0.224	BDL	BDL	0.141	780	1,600
Lead	541	50.7	23.4	16.2	25.9	21.1	46.8	27.7	450	450
Naphthalene	0.587	0.092	BDL	BDL	BDL	BDL	BDL	BDL	25	25
Toluene	0.133	BDL	BDL	BDL	BDL	BDL	0.0017	BDL	100	100
Xylenes, Total	252.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1,000	1,000

Notes: BDL = Below Detection Limit.
450 = One or more Statewide Health Standard exceeded for analyte

APPENDIX B

Historical Results – Ohio Blenders Property

Six (6) surficial samples were collected from soils underlying the Keystone Color Works building exterior windows and sills (Photograph 3) to characterize potential contamination from lead-based paint. This area has been identified as "AOC 6 - Keystone Color Works". The samples were analyzed for total lead by United States Environmental Protection Agency (U.S. EPA) Test Method SW-846 6010. Lead was detected above the Statewide Health Standards for residential use and for non-residential use at four (4) of the six (6) sample locations. Table 1 provides a summary of the laboratory analytical results.

TABLE 1
SUMMARY OF SAMPLE RESULTS
SOILS UNDERLYING EXTERIOR WINDOWS

Analyte	Sample Location Sample Depth (ft.)						Statewide Health Standard for Residential Use (mg/kg)	Statewide Health Standard for Non-Residential Use (mg/kg)
	S-52 1.0	S-53 1.0	S-54 1.0	S-55 1.0	S-56 1.0	S-57 1.0		
	Result (mg/kg)							
Lead	**945**	**702**	**510**	266	107	**1,200**	450	450

Notes:

945 = One or more Statewide Health Standard exceeded for analyte.

Thirty-six (36) surficial samples were collected from soils on the Ohio Blenders property to characterize potential contamination resulting from the former use of portions of the property as coal storage yards. These areas were identified as "AOC 2 - Coal Yard No. 1" (Photograph 4) and "AOC 5 - Coal Yard No. 2" (Photograph 5). All thirty-six (36) of the samples were analyzed for Priority Pollutant List (PPL) metals by U.S. EPA Test Method SW-846 6010. Twenty-five (25) of the samples were analyzed for PPL semi-volatile organic compounds (SVOCs) by U.S. EPA Test Method SW-846 8270. Antimony, arsenic, chromium, and lead were the only PPL metals detected above a Statewide Health Standard. Antimony was detected above the Statewide Health Standards for residential use and non-residential use at one (1) of the thirty-six (36) sample locations. Arsenic was detected at or above the Statewide Health Standards for residential use at eighteen (18) of the thirty-six (36) sample locations, and above the Statewide Health Standard for non-residential use at three (3) sample locations. Chromium was detected above the selected concentration for residential use at one (1) sample location. Lead was detected above the Statewide Health Standards for residential use and non-residential use at four (4) of the thirty-six (36) sample locations. The only PPL SVOC detected above the Statewide Health Standard for residential use was 1,2-diphenylhydrazine at one sample location. Table 2 provides a summary of the laboratory analytical results.

Three (3) surficial samples were collected from soils on the Ohio Blenders property to characterize potential contamination associated with three (3) non-utility electric transformers on the property. These samples were located within the area identified as "AOC 8 - Ohio Blenders Transformers". The samples were analyzed for PCBs according to U.S. EPA Test Method SW-846 8082. No PCB analytes were detected above the Statewide Health Standard for residential use or non-residential use. Table 4 provides a summary of the laboratory analytical results.

TABLE 4
SUMMARY OF SAMPLE RESULTS
SOILS UNDERLYING TRANSFORMERS

Analyte	Sample Location Sample Depth (ft.)			Statewide Health Standard for Residential Use (mg/kg)	Statewide Health Standard for Non-Residential Use (mg/kg)
	S-13 1.0	S-14 0.8	S-15 1.0		
	Result mg/kg				
Aroclor 1260	BDL	0.12	0.16	30	130

Notes: BDL = Below Detection Limit.

3.2 Subsurface Soil Sampling

On June 15, 2005, GTS personnel conducted fieldwork to collect subsurface soil samples (samples collected from a depth exceeding 2 feet below ground surface) to characterize potential contamination resulting from the historic use of the four (4) gasoline storage tanks at the Ohio Blenders property. The procedure used to collect the soil samples is described in the *Site Characterization Plan* (GTS, 2005). Prior to field activities, the Pennsylvania One Call System was initiated to determine subsurface utility line locations relative to the proposed boring locations. A gas line and a fiber optic cable were marked by the respective utility companies within the area of investigation. These utilities were observed to be located approximately in the areas identified as geophysical anomalies "B" and "C", respectively (see Figure 3).

A total of eight (8) borings (B-1 through B-8) were advanced using a Geoprobe in areas located adjacent to and/or downgradient from suspected UST system components. Three (3) borings were located to the east of the grain silos to characterize subsurface conditions in the area of the historic UST identified during review of secondary source information and the adjacent anomaly "F" identified during the geophysical investigation (Photograph 7). Five (5) borings were located just to the north of Gay Avenue to characterize subsurface conditions in the area of the three (3) historic USTs identified during review of secondary source information and the anomalies "A", "B", and "C" identified during the geophysical investigation (Photograph 8). Boring locations are shown on Figure 5.

TABLE 2
SUMMARY OF SAMPLE RESULTS
SOILS WITHIN FORMER COAL STORAGE AREAS

Analyte	Sample Location / Sample Depth (ft.)												Statewide Health Standard for Residential Use (mg/kg)	Statewide Health Standard for Non-Residential Use (mg/kg)
	S-16 1.0	S-17 1.0	S-18 1.0	S-19 0.8	S-20 1.0	S-21 0.8	S-22 0.7	S-23 0.7	S-24 0.7	S-25 0.5	S-26 0.5	S-27 0.8		
	Result (mg/kg)													
PPL Metals														
Antimony	4.0	BDL	4.6	3.4	BDL	BDL	BDL	BDL	**48.7**	BDL	BDL	BDL	27	27
Arsenic	**38.9**	**12.7**	**36.6**	**345**	2.9	**87.0**	9.4	8.7	10.3	**14.4**	11.1	**23.2**	12	53
Beryllium	1.4	0.57	1.3	0.56	0.54	1.4	1.3	2.0	1.3	1.3	1.1	1.2	320	320
Cadmium	5.2	1.9	3.6	1.4	0.54	4.1	2.4	3.2	2.9	2.9	2.6	2.8	38	38
Chromium	29.3	7.0	16.1	21.8	12.8	24.8	23.4	23.8	21.6	26.2	22.2	23.3	94[1]	190[1]
Copper	117.	20.4	110	74.0	26.4	81.8	22.2	21.4	50.1	35.4	35.9	29.6	8,200	36,000
Lead	**868.**	81.1	**790**	**3,450**	40.3	**2,140**	56.4	43.8	121.	220.	195.	90.1	450	450
Mercury	1.3	0.41	1.2	7.1	BDL	1.3	0.34	0.24	0.88	2.0	2.2	2.2	10	10
Nickel	39.7	10.6	25.1	12.9	16.5	31.2	18.5	20.5	18.8	21.1	20.0	26.2	650	650
Selenium	BDL	4.4	12.2	9.3	BDL	BDL	6.4	BDL	10.8	BDL	BDL	7.4	26	26
Silver	BDL	BDL	BDL	3.7	BDL	BDL	BDL	8.5	BDL	BDL	BDL	BDL	84	84
Thallium	5.2	BDL	4.0	6.8	BDL	4.8	BDL	5.0	BDL	BDL	BDL	2.9	14	14
Zinc	392.	29.2	101	324	28.2	223	75.9	69.0	141.	119.	155.	179	12,000	12,000
PPL SVOCs														
Acenaphthene	BDL	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	NA	2,700	4,700
Acenaphthylene	0.150	BDL	NA	NA	NA	NA	NA	BDL	0.389	BDL	BDL	NA	2,500	6,900
Anthracene	0.0997	BDL	NA	NA	NA	NA	NA	BDL	0.178	BDL	BDL	NA	350	350
Benzo(a)anthracene	0.533	BDL	NA	NA	NA	NA	NA	BDL	2.810	0.143	0.107	NA	25	110
Benzo(a)pyrene	0.379	BDL	NA	NA	NA	NA	NA	BDL	1.550	0.106	0.0900	NA	2.5	11
Benzo(b)fluoranthene	0.523	BDL	NA	NA	NA	NA	NA	BDL	2.310	0.172	0.152	NA	25	110
Benzo(g,h,i)perylene	0.563	BDL	NA	NA	NA	NA	NA	BDL	1.440	BDL	BDL	NA	180	180
Benzo(k)fluoranthene	0.391	BDL	NA	NA	NA	NA	NA	BDL	2.100	0.133	0.130	NA	250	610
Bis(2-Ethylhexyl)phthalate	BDL	BDL	NA	NA	NA	NA	NA	BDL	0.195	BDL	BDL	NA	130	130
Carbazole	0.101	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	NA	21	83
Chrysene	1.010	BDL	NA	NA	NA	NA	NA	BDL	4.450	0.314	2.77	NA	230	230
Dibenzo(a,h)anthracene	BDL	BDL	NA	NA	NA	NA	NA	BDL	0.164	BDL	BDL	NA	2.5	11
Dibenzofuran	BDL	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	NA	*	*
Diphenylhydrazine, 1,2-	BDL	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	NA	0.15	0.58
Fluoranthene	1.130	BDL	NA	NA	NA	NA	NA	BDL	7.830	0.376	0.315	NA	3,200	3,200
Fluorene	BDL	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	NA	3,000	3,800
Indeno(1,2,3-cd)pyrene	0.427	BDL	NA	NA	NA	NA	NA	BDL	1.440	0.100	0.965	NA	25	110
Methylnaphthalene, 2-	BDL	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	NA	2,900	8,000
Naphthalene	BDL	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	NA	25	25
Phenanthrene	0.629	BDL	NA	NA	NA	NA	NA	BDL	0.457	0.172	0.156	NA	10,000	10,000
Pyrene	1.080	BDL	NA	NA	NA	NA	NA	BDL	6.760	3.330	0.268	NA	2,200	2,200

Notes: BDL = The reported result is Below the laboratory Detection Limit. NA = Not Analyzed. * = No Statewide Health Standard has been established for this analyte.
1 = No Statewide Health Standard values for total chromium have been established. This value for chromium VI has been used, as it is more restrictive than the value for chromium III.
38.9 = One or more Statewide Health Standard exceeded for analyte.

TABLE 2 (continued)
SUMMARY OF SAMPLE RESULTS
SOILS WITHIN FORMER COAL STORAGE AREAS

Analyte	Sample Location / Sample Depth (ft.)												Statewide Health Standard for Residential Use (mg/kg)	Statewide Health Standard for Non-Residential Use (mg/kg)
	S-28 0.8	S-29 0.7	S-30 0.7	S-31 0.7	S-32 0.8	S-33 0.7	S-34 0.7	S-35 0.7	S-36 0.7	S-37 0.7	S-38 0.7	S-39 0.8		
	Result (mg/kg)													
PPL Metals														
Antimony	17.9	BDL	BDL	BDL	BDL	3.2	BDL	BDL	BDL	4.6	BDL	BDL	27	27
Arsenic	**59.8**	**15.6**	5.6	**22.9**	6.4	**20.7**	**31.5**	9.7	**13.2**	**31.2**	5.2	10.8	12	53
Beryllium	1.1	1.5	0.88	4.9	0.54	1.3	0.88	0.58	0.79	0.84	1.2	1.4	320	320
Cadmium	3.8	3.4	2.0	5.5	1.4	3.1	2.1	2.3	2.0	1.9	3.1	3.2	38	38
Chromium	54.5	73.5	15.6	35.6	9.9	29.9	33.5	8.9	12.4	28.9	19.4	39.2	94[1]	190[1]
Copper	122.	32.2	24.1	54.6	19.3	41.2	23.9	18.5	29.3	43.5	44.4	41.2	8,200	36,000
Lead	218.	90.3	67.8	147.	65.2	126.	51.8	61.3	89.0	112.	97.5	127.	450	450
Mercury	0.95	0.78	0.73	2.3	0.77	1.1	1.2	0.19	1.2	0.79	1.3	1.4	10	10
Nickel	108.	45.2	11.0	44.3	13.1	38.7	20.0	8.9	14.9	27.6	25.3	50.1	650	650
Selenium	13.8	12.6	BDL	BDL	BDL	10.4	8.3	BDL	6.1	BDL	11.3	BDL	26	26
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	84	84
Thallium	3.5	BDL	BDL	BDL	BDL	3.0	3.6	BDL	BDL	BDL	BDL	3.3	14	14
Zinc	234.	112.	108.	349.	101.	204.	62.5	71.1	116.	97.4	135.	142.	12,000	12,000
PPL SVOCs														
Acenaphthene	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	2,700	4,700
Acenaphthylene	0.218	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	2,500	6,900
Anthracene	0.330	NA	NA	BDL	BDL	0.0861	BDL	BDL	BDL	BDL	BDL	NA	350	350
Benzo(a)anthracene	0.365	NA	NA	0.184	BDL	0.435	0.0910	BDL	BDL	0.490	0.232	NA	25	110
Benzo(a)pyrene	0.324	NA	NA	0.154	BDL	0.333	0.0760	BDL	BDL	0.348	0.161	NA	2.5	11
Benzo(b)fluoranthene	0.760	NA	NA	0.174	BDL	0.405	0.100	BDL	0.0730	0.500	0.185	NA	25	110
Benzo(g,h,i)perylene	0.686	NA	NA	0.0980	BDL	0.353	BDL	BDL	BDL	0.342	0.143	NA	180	180
Benzo(k)fluoranthene	0.527	NA	NA	0.176	BDL	0.340	0.0920	BDL	BDL	0.424	0.189	NA	250	610
Bis(2-Ethylhexyl)phthalate	BDL	NA	NA	BDL	0.425	BDL	BDL	BDL	BDL	BDL	0.306	NA	130	130
Carbazole	0.0950	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	21	83
Chrysene	1.540	NA	NA	0.267	0.0922	0.702	0.140	0.103	0.114	1.020	0.436	NA	230	230
Dibenzo(a,h)anthracene	0.129	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	2.5	11
Dibenzofuran	0.404	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	*	*
Diphenylhydrazine, 1,2-	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	**0.184**	BDL	NA	0.15	0.58
Fluoranthene	1.540	NA	NA	0.450	0.133	0.989	0.176	0.111	0.146	1.280	0.645	NA	3,200	3,200
Fluorene	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	3,000	3,800
Indeno(1,2,3-cd)pyrene	BDL	NA	NA	0.103	BDL	0.339	BDL	BDL	BDL	0.347	0.144	NA	25	110
Methylnaphthalene, 2-	0.448	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	0.116	BDL	NA	2,900	8,000
Naphthalene	0.340	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	25	25
Phenanthrene	1.330	NA	NA	0.333	BDL	0.353	0.0900	BDL	0.0960	0.632	0.338	NA	10,000	10,000
Pyrene	1.120	NA	NA	0.370	0.114	0.882	0.147	0.123	0.131	1.120	0.581	NA	2,200	2,200

Notes: BDL = The reported result is Below the laboratory Detection Limit. NA = Not Analyzed. * = No Statewide Health Standard has been established for this analyte.
1 = No Medium Specific Concentration value for total chromium has been established. This value for chromium VI will been used, as it is more restrictive than the value for chromium III.
59.8 = One or more Statewide Health Standard exceeded for analyte.

TABLE 2 (continued)
SUMMARY OF SAMPLE RESULTS
SOILS WITHIN FORMER COAL STORAGE AREAS

Analyte	Sample Location / Sample Depth (ft.)												Statewide Health Standard for Residential Use (mg/kg)	Statewide Health Standard for Non-Residential Use (mg/kg)
	S-40 0.7	S-41 0.7	S-42 0.7	S-43 1.0	S-44 0.7	S-45 1.0	S-46 0.7	S-47 0.7	S-48 0.8	S-49 0.8	S-50 1.0	S-51 1.0		
	Result (mg/kg)													
PPL Metals														
Antimony	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	27	27
Arsenic	15.2	10.7	7.2	6.5	6.4	7.3	7.2	12.0	15.0	7.7	12.0	8.6	12	53
Beryllium	1.2	1.4	1.5	1.1	1.0	1.2	1.3	2.3	1.3	1.1	1.3	1.4	320	320
Cadmium	2.8	3.1	3.4	2.7	2.1	2.7	2.7	3.7	3.2	2.4	3.3	3.0	38	38
Chromium	31.9	29.8	177.	22.2	21.5	23.7	30.1	29.3	22.6	18.2	26.4	26.9	94[1]	190[1]
Copper	37.3	40.4	41.9	59.9	47.4	23.9	28.9	43.1	52.3	37.8	35.0	38.7	8,200	36,000
Lead	98.1	65.9	86.4	217.	73.7	47.6	49.0	88.4	61.4	89.0	98.5	66.1	450	450
Mercury	0.89	1.2	0.76	2.5	0.86	0.50	0.45	0.66	0.94	0.36	0.91	0.86	10	10
Nickel	45.5	26.5	19.7	19.1	17.9	16.1	19.0	21.8	28.3	15.8	21.5	20.9	650	650
Selenium	10.4	9.3	BDL	9.1	BDL	8.0	BDL	BDL	BDL	BDL	BDL	BDL	26	26
Silver	BDL	BDL	5.5	BDL	BDL	1.6	BDL	10.5	9.6	BDL	9.7	BDL	84	84
Thallium	BDL	BDL	BDL	3.1	BDL	BDL	BDL	4.5	4.5	BDL	BDL	3.6	14	14
Zinc	121.	75.9	94.3	151.	60.8	50.9	61.3	126.	65.2	91.5	88.9	95.2	12,000	12,000
PPL SVOCs														
Acenaphthene	BDL	BDL	NA	BDL	BDL	0.723	BDL	NA	BDL	BDL	BDL	BDL	2,700	4,700
Acenaphthylene	BDL	BDL	NA	BDL	BDL	BDL	0.290	NA	BDL	BDL	BDL	BDL	2,500	6,900
Anthracene	BDL	BDL	NA	0.106	0.293	1.180	0.304	NA	0.0758	0.147	BDL	BDL	350	350
Benzo(a)anthracene	0.175	0.262	NA	0.441	0.723	1.550	1.580	NA	0.183	0.533	0.143	0.186	25	110
Benzo(a)pyrene	0.146	0.258	NA	0.307	0.557	0.999	0.820	NA	0.160	0.538	0.128	0.132	2.5	11
Benzo(b)fluoranthene	0.172	0.272	NA	0.337	0.455	0.708	1.040	NA	0.181	0.456	0.169	0.127	25	110
Benzo(g,h,i)perylene	0.169	0.165	NA	0.246	0.520	0.710	0.413	NA	0.230	0.569	0.185	0.0982	180	180
Benzo(k)fluoranthene	0.165	0.242	NA	0.264	0.432	0.793	0.867	NA	0.194	0.428	0.133	0.132	250	610
Bis(2-Ethylhexyl)phthalate	1.690	BDL	NA	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	130	130
Carbazole	BDL	BDL	NA	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	21	83
Chrysene	0.371	0.354	NA	0.758	1.470	2.900	1.840	NA	0.407	1.210	0.370	0.309	230	230
Dibenzo(a,h)anthracene	BDL	BDL	NA	BDL	BDL	0.0850	BDL	NA	BDL	BDL	BDL	BDL	2.5	11
Dibenzofuran	BDL	BDL	NA	BDL	BDL	0.0916	BDL	NA	BDL	BDL	BDL	BDL	*	*
Diphenylhydrazine, 1,2-	BDL	BDL	NA	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	0.15	0.58
Fluoranthene	0.455	0.443	NA	1.210	1.270	2.530	2.560	NA	0.500	0.944	0.500	0.322	3,200	3,200
Fluorene	BDL	BDL	NA	BDL	BDL	0.788	BDL	NA	BDL	BDL	BDL	BDL	3,000	3,800
Indeno(1,2,3-cd)pyrene	0.164	0.154	NA	0.214	0.457	0.634	0.461	NA	0.193	0.498	0.159	0.0894	25	110
Methylnaphthalene, 2-	BDL	BDL	NA	BDL	BDL	0.370	BDL	NA	BDL	BDL	BDL	BDL	2,900	8,000
Naphthalene	BDL	BDL	NA	BDL	BDL	0.0983	BDL	NA	BDL	BDL	BDL	BDL	25	25
Phenanthrene	0.273	0.226	NA	1.140	0.887	3.380	0.497	NA	0.370	0.422	0.384	0.376	10,000	10,000
Pyrene	0.438	0.518	NA	1.250	1.920	3.790	2.070	NA	0.454	1.420	0.458	0.121	2,200	2,200

Notes: BDL = The reported result is Below the laboratory Detection Limit. NA = Not Analyzed. * = No Statewide Health Standard has been established for this analyte.
1 = No Statewide Health Standard values for total chromium have been established. This value for chromium VI has been used, as it is more restrictive than the value for chromium III.
15.2 = One or more Statewide Health Standard exceeded for analyte.

TABLE 3
SUMMARY OF SAMPLE RESULTS
SOILS WITHIN FORMER UTILITY POLE STORAGE AREA

Analyte	Sample Location / Sample Depth (ft.)													
	S-1 0.7	S-2 0.7	S-3 0.7	S-4 0.8	S-5 0.8	S-6 0.8	S-7 0.8	S-8 1.0	S-9 1.0	S-10 1.0	S-11 0.7	S-12 1.0	Statewide Health Standard for Residential Use (mg/kg)	Statewide Health Standard for Non-Residential Use (mg/kg)
	Result (mg/kg)													
Acenaphthylene	BDL	0.218	0.090	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2,500	6,900
Anthracene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.088	BDL	BDL	BDL	BDL	350	350
Benzo(a)anthracene	0.325	0.363	0.110	BDL	0.179	0.221	BDL	0.367	0.151	BDL	BDL	BDL	25	110
Benzo(a)pyrene	0.231	0.324	0.206	BDL	0.171	0.180	BDL	0.301	0.161	BDL	BDL	BDL	2.5	11
Benzo(b)fluoranthene	0.419	0.582	0.410	BDL	0.246	0.295	BDL	0.590	0.233	0.081	BDL	BDL	25	110
Benzo(g,h,i)perylene	0.134	0.268	0.361	BDL	0.099	0.141	BDL	0.278	0.229	0.088	BDL	BDL	180	180
Benzo(k)fluoranthene	0.325	0.439	0.314	BDL	0.212	0.214	BDL	0.406	0.177	0.085	BDL	BDL	250	610
Chrysene	0.625	0.767	0.731	0.113	0.295	0.411	BDL	0.902	0.464	0.216	0.159	BDL	230	230
Fluoranthene	0.699	0.561	0.402	0.119	0.287	0.366	BDL	0.866	0.515	0.273	0.111	BDL	3,200	3,200
Indeno(1,2,3-cd)pyrene	0.149	0.291	0.347	BDL	0.112	0.140	BDL	0.275	0.209	0.087	BDL	BDL	25	110
Phenanthrene	0.186	0.225	0.171	BDL	0.081	0.199	BDL	0.361	0.288	0.227	0.075	BDL	10,000	10,000
Pyrene	0.708	0.526	0.307	0.107	0.256	0.318	BDL	0.841	0.446	0.240	0.111	BDL	2,200	2,200

Notes: BDL = The reported result is Below the laboratory Detection Limit.

TABLE 5
SUMMARY OF SAMPLE RESULTS
SOILS WITHIN AREA OF HISTORIC GASOLINE USTS

Analyte	Sample Location Sample Depth (ft.)								Statewide Health Standard for Residential Use (mg/kg)	Statewide Health Standard for Non-Residential Use (mg/kg)
	B-1 6-8	B-2 10-12	B-3 12-13	B-4 16-18	B-5 13-15	B-6 14-15	B-7 12-14	B-8 13-14.7		
	Result mg/kg									
Benzene	0.0813	BDL	BDL	BDL	BDL	BDL	0.0078	BDL	0.5	0.5
Cumene (Synonym: Isopropylbenzene)	BDL	BDL	BDL	BDL	0.224	BDL	BDL	0.141	780	1,600
Lead	**541**	50.7	23.4	16.2	25.9	21.1	46.8	27.7	450	450
Naphthalene	0.587	0.092	BDL	BDL	BDL	BDL	BDL	BDL	25	25
Toluene	0.133	BDL	BDL	BDL	BDL	BDL	0.0017	BDL	100	100
Xylenes, Total	252.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1,000	1,000

Notes: BDL = Below Detection Limit.
450 = One or more Statewide Health Standard exceeded for analyte

ANALYTICAL LABORATORY SERVICES, INC. **YORK DIVISION**

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S1

Lab Sample Number: L72416-1
Client Sample No.: S1
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	94.2	%	1	06/13/05	AMR	SM 2540 G.
2-Methylnaphthalene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
2-Methylphenol	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
3- & 4-Methylphenol	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Acenaphthene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Acenaphthylene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Anthracene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Benz(a)anthracene	325.	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Benzo(a)pyrene	231.	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Benzo(b)fluoranthene	419.	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Benzo(g,h,i)perylene	134.	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Benzo(k)fluoranthene	325.	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Chrysene	625.	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Dibenz(a,h)anthracene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Fluoranthene	699.	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Fluorene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Indeno(1,2,3-cd)pyrene	149.	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Naphthalene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Phenanthrene	186.	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Pyrene	708.	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's

Note:

Reviewed By: Scott's Burl

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

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ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-2
Client Sample No.: S2
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S2

Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	88.1	%	1	06/13/05	AMR	SM 2540 G.
2-Methylnaphthalene	ND	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
2-Methylphenol	ND	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
3- & 4-Methylphenol	ND	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Acenaphthene	ND	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Acenaphthylene	218.	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Anthracene	ND	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Benz(a)anthracene	363.	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Benzo(a)pyrene	324.	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Benzo(b)fluoranthene	582.	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Benzo(g,h,i)perylene	268.	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Benzo(k)fluoranthene	439.	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Chrysene	767.	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Dibenz(a,h)anthracene	ND	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Fluoranthene	561.	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Fluorene	ND	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Indeno(1,2,3-cd)pyrene	291.	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Naphthalene	ND	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Phenanthrene	225.	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Pyrene	526.	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's

Note:
8270 - One ISTD recovered low.

Reviewed By: Scott's Bud

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed
J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

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ANALYTICAL LABORATORY SERVICES, INC. YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S3

Lab Sample Number: L72416-3
Client Sample No.: S3
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	89.9	%	1	06/13/05	AMR	SM 2540 G.
2-Methylnaphthalene	ND	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
2-Methylphenol	ND	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
3- & 4-Methylphenol	ND	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Acenaphthene	ND	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Acenaphthylene	90.0	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Anthracene	ND	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Benz(a)anthracene	110.	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Benzo(a)pyrene	206.	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Benzo(b)fluoranthene	410.	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Benzo(g,h,i)perylene	361.	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Benzo(k)fluoranthene	314.	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Chrysene	731.	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Dibenz(a,h)anthracene	ND	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Fluoranthene	402.	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Fluorene	ND	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Indeno(1,2,3-cd)pyrene	347.	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Naphthalene	ND	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Phenanthrene	171.	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Pyrene	307.	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's

Note:
8270 - Two ISTDs recovered low.

Reviewed By: Scott's Bunl

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

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U = Undetected
B = Analyte Present in Daily Blank

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Environmental Testing Laboratory

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CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S4

Lab Sample Number: L72416-4
Client Sample No.: S4
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	93.7	%	1	06/14/05	AMR	SM 2540 G.
2-Methylnaphthalene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
2-Methylphenol	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
3- & 4-Methylphenol	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Acenaphthene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Acenaphthylene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Anthracene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Benz(a)anthracene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Benzo(a)pyrene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Benzo(b)fluoranthene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Benzo(g,h,i)perylene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Benzo(k)fluoranthene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Chrysene	113.	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Dibenz(a,h)anthracene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Fluoranthene	119.	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Fluorene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Indeno(1,2,3-cd)pyrene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Naphthalene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Phenanthrene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Pyrene	107.	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's

Note:
8270 - One ISTD recovered low.

Reviewed By: Scott's Brunt

cc:

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B = Analyte Present in Daily Blank

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Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-5
Client Sample No.: S5
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S5

Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	88.0	%	1	06/14/05	AMR	SM 2540 G.
2-Methylnaphthalene	ND	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
2-Methylphenol	ND	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
3- & 4-Methylphenol	ND	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Acenaphthene	ND	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Acenaphthylene	ND	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Anthracene	ND	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Benz(a)anthracene	179.	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(a)pyrene	171.	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(b)fluoranthene	246.	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(g,h,i)perylene	99.0	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(k)fluoranthene	212.	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Chrysene	295.	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Dibenz(a,h)anthracene	ND	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Fluoranthene	287.	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Fluorene	ND	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Indeno(1,2,3-cd)pyrene	112.	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Naphthalene	ND	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Phenanthrene	81.0	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Pyrene	256.	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's

Note:

Reviewed By: Scott E. Brunt

cc:

DL = Detection Limit
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U = Undetected
B = Analyte Present in Daily Blank

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ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-6
Client Sample No.: S6
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S6

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	87.0	%	1	06/14/05	AMR	SM 2540 G.
2-Methylnaphthalene	ND	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
2-Methylphenol	ND	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
3- & 4-Methylphenol	ND	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Acenaphthene	ND	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Acenaphthylene	ND	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Anthracene	ND	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Benz(a)anthracene	221.	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(a)pyrene	180.	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(b)fluoranthene	295.	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(g,h,i)perylene	141.	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(k)fluoranthene	214.	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Chrysene	411.	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Dibenz(a,h)anthracene	ND	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Fluoranthene	366.	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Fluorene	ND	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Indeno(1,2,3-cd)pyrene	140.	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Naphthalene	ND	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Phenanthrene	199.	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Pyrene	318.	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's

Note:

Reviewed By: Scott L. Brun

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

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YORK DIVISION
Environmental Testing Laboratory

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CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S7

Lab Sample Number: L72416-7
Client Sample No.: S7
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	94.7	%	1	06/14/05	AMR	SM 2540 G.
2-Methylnaphthalene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
2-Methylphenol	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
3- & 4-Methylphenol	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Acenaphthene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Acenaphthylene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Anthracene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Benz(a)anthracene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(a)pyrene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(b)fluoranthene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(g,h,i)perylene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(k)fluoranthene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Chrysene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Dibenz(a,h)anthracene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Fluoranthene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Fluorene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Indeno(1,2,3-cd)pyrene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Naphthalene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Phenanthrene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Pyrene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's

Note:

Reviewed By: Scott Burd

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U = Undetected
B = Analyte Present in Daily Blank

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YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S8

Lab Sample Number: L72416-8
Client Sample No.: S8
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	94.3	%	1	06/14/05	AMR	SM 2540 G.
2-Methylnaphthalene	ND	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
2-Methylphenol	ND	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
3- & 4-Methylphenol	ND	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Acenaphthene	ND	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Acenaphthylene	ND	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Anthracene	88.0	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Benz(a)anthracene	367.	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(a)pyrene	301.	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(b)fluoranthene	590.	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(g,h,i)perylene	278.	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(k)fluoranthene	406.	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Chrysene	902.	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Dibenz(a,h)anthracene	ND	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Fluoranthene	866.	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Fluorene	ND	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Indeno(1,2,3-cd)pyrene	275.	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Naphthalene	ND	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Phenanthrene	361.	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Pyrene	841.	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's

Note:
8270 - One ISTD recovered low.

Reviewed By: Scott's Brun

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

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ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S9

Lab Sample Number: L72416-9
Client Sample No.: S9
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	88.4	%	1	06/14/05	AMR	SM 2540 G.
2-Methylnaphthalene	ND	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
2-Methylphenol	ND	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
3- & 4-Methylphenol	ND	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Acenaphthene	ND	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Acenaphthylene	ND	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Anthracene	ND	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Benz(a)anthracene	151.	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(a)pyrene	161.	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(b)fluoranthene	233.	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(g,h,i)perylene	229.	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(k)fluoranthene	177.	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Chrysene	464.	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Dibenz(a,h)anthracene	ND	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Fluoranthene	515.	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Fluorene	ND	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Indeno(1,2,3-cd)pyrene	209.	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Naphthalene	ND	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Phenanthrene	288.	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Pyrene	446.	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's

Note:
8270 - One ISTD recovered low.

Reviewed By: Scott Brunk

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

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U = Undetected
B = Analyte Present in Daily Blank

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ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Sep 08, 2005

CERTIFICATE OF ANALYSIS
REVISED REPORT

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S10

Lab Sample Number: L72416-10
Client Sample No.: S10
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 09/22/05
Page: 1

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	89.8	%	1	06/13/05	AMR	SM 2540 G.
2-Methylnaphthalene	ND	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
2-Methylphenol	ND	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
3- & 4-Methylphenol	ND	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Acenaphthene	ND	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Acenaphthylene	ND	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Anthracene	ND	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Benz(a)anthracene	ND	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(a)pyrene	ND	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(b)fluoranthene	81.0	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(g,h,i)perylene	88.0	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(k)fluoranthene	85.0	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Chrysene	216.	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Dibenz(a,h)anthracene	ND	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Fluoranthene	273.	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Fluorene	ND	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Indeno(1,2,3-cd)pyrene	87.0	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Naphthalene	ND	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Phenanthrene	227.	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Pyrene	240.	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's

Note:
8270 - One ISTD recovered low, surrogates not spiked.

Reviewed By:

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed
J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

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ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-11
Client Sample No.: S11
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S11

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	94.7	%	1	06/13/05	AMR	SM 2540 G.
2-Methylnaphthalene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
2-Methylphenol	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
3- & 4-Methylphenol	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Acenaphthene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Acenaphthylene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Anthracene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Benz(a)anthracene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(a)pyrene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(b)fluoranthene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(g,h,i)perylene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(k)fluoranthene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Chrysene	159.	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Dibenz(a,h)anthracene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Fluoranthene	111.	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Fluorene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Indeno(1,2,3-cd)pyrene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Naphthalene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Phenanthrene	75.0	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Pyrene	111.	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's

Note:
8270 - Two ISTDs recovered low.

Reviewed By: Scott's Brad

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

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ANALYTICAL LABORATORY SERVICES, INC. YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-12
Client Sample No.: S12
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S12

Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	92.9	%	1	06/13/05	AMR	SM 2540 G.
2-Methylnaphthalene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
2-Methylphenol	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
3- & 4-Methylphenol	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Acenaphthene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Acenaphthylene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Anthracene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Benz(a)anthracene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Benzo(a)pyrene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Benzo(b)fluoranthene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Benzo(g,h,i)perylene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Benzo(k)fluoranthene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Chrysene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Dibenz(a,h)anthracene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Fluoranthene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Fluorene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Indeno(1,2,3-cd)pyrene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Naphthalene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Phenanthrene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Pyrene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's

Note:

Reviewed By: Scott Bull

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

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ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S13

Lab Sample Number: L72416-13
Client Sample No.: S13
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	83.9	%	1	06/13/05	AMR	SM 2540 G.
Aroclor 1016	ND	mg/kg	0.046	06/17/05	ALSI	SW846-8082
Aroclor 1221	ND	mg/kg	0.046	06/17/05	ALSI	SW846-8082
Aroclor 1232	ND	mg/kg	0.046	06/17/05	ALSI	SW846-8082
Aroclor 1242	ND	mg/kg	0.046	06/17/05	ALSI	SW846-8082
Aroclor 1248	ND	mg/kg	0.046	06/17/05	ALSI	SW846-8082
Aroclor 1254	ND	mg/kg	0.046	06/17/05	ALSI	SW846-8082
Aroclor 1260	ND	mg/kg	0.046	06/17/05	ALSI	SW846-8082

Note:
Sample was analyzed for PCBs at our Middletown facility

Reviewed By: Scott's Bu

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

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Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S14

Lab Sample Number: L72416-14
Client Sample No.: S14
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	78.6	%	1	06/13/05	AMR	SM 2540 G.
Aroclor 1016	ND	mg/kg	0.051	06/17/05	ALSI	SW846-8082
Aroclor 1221	ND	mg/kg	0.051	06/17/05	ALSI	SW846-8082
Aroclor 1232	ND	mg/kg	0.051	06/17/05	ALSI	SW846-8082
Aroclor 1242	ND	mg/kg	0.051	06/17/05	ALSI	SW846-8082
Aroclor 1248	ND	mg/kg	0.051	06/17/05	ALSI	SW846-8082
Aroclor 1254	ND	mg/kg	0.051	06/17/05	ALSI	SW846-8082
Aroclor 1260	0.12	mg/kg	0.051	06/17/05	ALSI	SW846-8082

Note:
Sample was analyzed for PCBs at our Middletown facility

Reviewed By: Scott Bu

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

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ANALYTICAL LABORATORY SERVICES, INC. YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S15

Lab Sample Number: L72416-15
Client Sample No.: S15
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	76.0	%	1	06/13/05	AMR	SM 2540 G.
Aroclor 1016	ND	mg/kg	0.057	06/17/05	ALSI	SW846-8082
Aroclor 1221	ND	mg/kg	0.057	06/17/05	ALSI	SW846-8082
Aroclor 1232	ND	mg/kg	0.057	06/17/05	ALSI	SW846-8082
Aroclor 1242	ND	mg/kg	0.057	06/17/05	ALSI	SW846-8082
Aroclor 1248	ND	mg/kg	0.057	06/17/05	ALSI	SW846-8082
Aroclor 1254	ND	mg/kg	0.057	06/17/05	ALSI	SW846-8082
Aroclor 1260	0.16	mg/kg	0.057	06/17/05	ALSI	SW846-8082

Note:
Sample was analyzed for PCBs at our Middletown facility

Reviewed By: Scott S Bu

cc:

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NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
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B = Analyte Present in Daily Blank

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ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S16

Lab Sample Number: L72416-16
Client Sample No.: S16
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	81.5	%	1	06/13/05	AMR	SM 2540 G.
Antimony	4.0	mg/kg	3.07	06/21/05	BAB	SW-846 6010
Arsenic	38.9	mg/kg	1.23	06/21/05	BAB	SW-846 6010
Beryllium	1.4	mg/kg	0.06136	06/21/05	BAB	SW-846 6010
Cadmium	5.2	mg/kg	0.123	06/21/05	BAB	SW-846 6010
Chromium	29.3	mg/kg	0.614	06/21/05	BAB	SW-846 6010
Copper	117.	mg/kg	0.491	06/21/05	BAB	SW-846 6010
Lead	868.	mg/kg	3.068	06/21/05	BAB	SW-846 6010
Nickel	39.7	mg/kg	0.614	06/21/05	BAB	SW-846 6010
Selenium	ND	mg/kg	3.07	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.491	06/21/05	BAB	SW-846 6010
Thallium	5.2	mg/kg	3.07	06/21/05	BAB	SW-846 6010
Zinc	392.	mg/kg	0.123	06/21/05	BAB	SW-846 6010
Mercury, Total	1.3	mg/kg	0.112	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	204	06/27/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	204	06/27/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	204	06/27/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	204	06/27/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	204	06/27/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	204	06/27/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	204	06/27/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	204	06/27/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C

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Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S16

Lab Sample Number: L72416-16
Client Sample No.: S16
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	204	06/27/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Acenaphthylene	150.	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Anthracene	99.7	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Benzo(a)anthracene	533.	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Benzo(a)pyrene	379.	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Benzo(b)fluoranthene	523.	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	563.	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Benzo(k)fluoranthene	391.	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Carbazole	101.	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Chrysene	1010	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Fluoranthene	1130	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	427.	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	204	06/27/05	MSM	SW846-8270C
Phenanthrene	629.	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Phenol	ND	ug/kg	204	06/27/05	MSM	SW846-8270C
Pyrene	1080	ug/kg	81.7	06/27/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	123	06/27/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S16

Lab Sample Number: L72416-16
Client Sample No.: S16
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method

Note:

8270 - 2,4-Dichlorophenol biased low, SPCCs and other CCCs were ok. One ISTD recovered low.

Reviewed By: Scott Bu

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S17

Lab Sample Number: L72416-17
Client Sample No.: S17
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05
Page: 1

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	86.3	%	1	06/13/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.9	06/21/05	BAB	SW-846 6010
Arsenic	12.7	mg/kg	1.16	06/21/05	BAB	SW-846 6010
Beryllium	0.57	mg/kg	0.05796	06/21/05	BAB	SW-846 6010
Cadmium	1.9	mg/kg	0.116	06/21/05	BAB	SW-846 6010
Chromium	7.0	mg/kg	0.58	06/21/05	BAB	SW-846 6010
Copper	20.4	mg/kg	0.464	06/21/05	BAB	SW-846 6010
Lead	81.1	mg/kg	2.898	06/21/05	BAB	SW-846 6010
Nickel	10.6	mg/kg	0.58	06/21/05	BAB	SW-846 6010
Selenium	4.4	mg/kg	2.9	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.464	06/21/05	BAB	SW-846 6010
Thallium	ND	mg/kg	2.9	06/21/05	BAB	SW-846 6010
Zinc	29.2	mg/kg	0.116	06/21/05	BAB	SW-846 6010
Mercury, Total	0.41	mg/kg	0.116	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	191	06/24/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	191	06/24/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	191	06/24/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	191	06/24/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	191	06/24/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	191	06/24/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	191	06/24/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	191	06/24/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C

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Tel: 717.505.5280 • Fax: 717.505.5285

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-17
Client Sample No.: S17
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S17

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	191	06/24/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Benzo(a)anthracene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Benzo(a)pyrene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Benzo(b)fluoranthene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Benzo(k)fluoranthene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Chrysene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Fluoranthene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Phenanthrene	ND	ug/kg	191	06/24/05	MSM	SW846-8270C
Phenol	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Pyrene	ND	ug/kg	191	06/24/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	115	06/24/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S17

Lab Sample Number: L72416-17
Client Sample No.: S17
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05
Page: 3

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method

Note:

Reviewed By: Scott Burl

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

ANALYTICAL LABORATORY SERVICES, INC. YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S18

Lab Sample Number: L72416-18
Client Sample No.: S18
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	82.0	%	1	06/13/05	AMR	SM 2540 G.
Antimony	4.6	mg/kg	3.05	06/21/05	BAB	SW-846 6010
Arsenic	36.6	mg/kg	1.22	06/21/05	BAB	SW-846 6010
Beryllium	1.3	mg/kg	0.06095	06/21/05	BAB	SW-846 6010
Cadmium	3.6	mg/kg	0.122	06/21/05	BAB	SW-846 6010
Chromium	16.1	mg/kg	0.61	06/21/05	BAB	SW-846 6010
Copper	110.	mg/kg	0.488	06/21/05	BAB	SW-846 6010
Lead	790.	mg/kg	3.048	06/21/05	BAB	SW-846 6010
Nickel	25.1	mg/kg	0.61	06/21/05	BAB	SW-846 6010
Selenium	12.2	mg/kg	3.05	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.488	06/21/05	BAB	SW-846 6010
Thallium	4.0	mg/kg	3.05	06/21/05	BAB	SW-846 6010
Zinc	101.	mg/kg	0.122	06/21/05	BAB	SW-846 6010
Mercury, Total	1.2	mg/kg	0.116	06/22/05	BAB	SW-846 7471

Note:

Reviewed By: Scott Bu

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

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U = Undetected
B = Analyte Present in Daily Blank

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ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S19

Lab Sample Number: L72416-19
Client Sample No.: S19
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	79.9	%	1	06/13/05	AMR	SM 2540 G.
Antimony	3.4	mg/kg	3.13	06/21/05	BAB	SW-846 6010
Arsenic	345.	mg/kg	1.25	06/21/05	BAB	SW-846 6010
Beryllium	0.56	mg/kg	0.06256	06/21/05	BAB	SW-846 6010
Cadmium	1.4	mg/kg	0.125	06/21/05	BAB	SW-846 6010
Chromium	21.8	mg/kg	0.626	06/21/05	BAB	SW-846 6010
Copper	74.0	mg/kg	0.501	06/21/05	BAB	SW-846 6010
Lead	3450	mg/kg	3.128	06/21/05	BAB	SW-846 6010
Nickel	12.9	mg/kg	0.626	06/21/05	BAB	SW-846 6010
Selenium	9.3	mg/kg	3.13	06/21/05	BAB	SW-846 6010
Silver	3.7	mg/kg	0.501	06/21/05	BAB	SW-846 6010
Thallium	6.8	mg/kg	3.13	06/21/05	BAB	SW-846 6010
Zinc	324.	mg/kg	0.125	06/21/05	BAB	SW-846 6010
Mercury, Total	7.1	mg/kg	0.125	06/22/05	BAB	SW-846 7471

Note:

Reviewed By: Scott Bu

cc:

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U = Undetected
B = Analyte Present in Daily Blank

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ANALYTICAL LABORATORY SERVICES, INC. YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-20
Client Sample No.: S20
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S20

Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	54.0	%	1	06/13/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	4.63	06/21/05	BAB	SW-846 6010
Arsenic	2.9	mg/kg	1.85	06/21/05	BAB	SW-846 6010
Beryllium	0.54	mg/kg	0.09266	06/21/05	BAB	SW-846 6010
Cadmium	0.54	mg/kg	0.185	06/21/05	BAB	SW-846 6010
Chromium	12.8	mg/kg	0.927	06/21/05	BAB	SW-846 6010
Copper	26.4	mg/kg	0.741	06/21/05	BAB	SW-846 6010
Lead	40.3	mg/kg	4.633	06/21/05	BAB	SW-846 6010
Nickel	16.5	mg/kg	0.927	06/21/05	BAB	SW-846 6010
Selenium	ND	mg/kg	4.63	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.741	06/21/05	BAB	SW-846 6010
Thallium	ND	mg/kg	4.63	06/21/05	BAB	SW-846 6010
Zinc	28.2	mg/kg	0.185	06/21/05	BAB	SW-846 6010
Mercury, Total	ND	mg/kg	0.137	06/22/05	BAB	SW-846 7471

Note:

Reviewed By: Scott S Brunl

cc:

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ND = Not Detected
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U = Undetected
B = Analyte Present in Daily Blank

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ANALYTICAL LABORATORY SERVICES, INC. YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S21

Lab Sample Number: L72416-21
Client Sample No.: S21
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	82.0	%	1	06/13/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	3.05	06/21/05	BAB	SW-846 6010
Arsenic	87.0	mg/kg	1.22	06/21/05	BAB	SW-846 6010
Beryllium	1.4	mg/kg	0.06099	06/21/05	BAB	SW-846 6010
Cadmium	4.1	mg/kg	0.122	06/21/05	BAB	SW-846 6010
Chromium	24.8	mg/kg	0.61	06/21/05	BAB	SW-846 6010
Copper	81.8	mg/kg	0.488	06/21/05	BAB	SW-846 6010
Lead	2140	mg/kg	3.05	06/21/05	BAB	SW-846 6010
Nickel	31.2	mg/kg	0.61	06/21/05	BAB	SW-846 6010
Selenium	ND	mg/kg	3.05	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.488	06/21/05	BAB	SW-846 6010
Thallium	4.8	mg/kg	3.05	06/21/05	BAB	SW-846 6010
Zinc	223.	mg/kg	0.122	06/21/05	BAB	SW-846 6010
Mercury, Total	1.3	mg/kg	0.116	06/22/05	BAB	SW-846 7471

Note:

Reviewed By: Scott Brun

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

978 Loucks Mill Road ◆ York, Pennsylvania 17402-1999
Tel: 717.505.5280 ◆ Fax: 717.505.5285

ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S22

Lab Sample Number: L72416-22
Client Sample No.: S22
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	89.1	%	1	06/13/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.81	06/21/05	BAB	SW-846 6010
Arsenic	9.4	mg/kg	1.12	06/21/05	BAB	SW-846 6010
Beryllium	1.3	mg/kg	0.0561	06/21/05	BAB	SW-846 6010
Cadmium	2.4	mg/kg	0.112	06/21/05	BAB	SW-846 6010
Chromium	23.4	mg/kg	0.561	06/21/05	BAB	SW-846 6010
Copper	22.2	mg/kg	0.449	06/21/05	BAB	SW-846 6010
Lead	56.4	mg/kg	2.805	06/21/05	BAB	SW-846 6010
Nickel	18.5	mg/kg	0.561	06/21/05	BAB	SW-846 6010
Selenium	6.4	mg/kg	2.81	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.449	06/21/05	BAB	SW-846 6010
Thallium	ND	mg/kg	2.81	06/21/05	BAB	SW-846 6010
Zinc	75.9	mg/kg	0.112	06/21/05	BAB	SW-846 6010
Mercury, Total	0.34	mg/kg	0.083	06/22/05	BAB	SW-846 7471

Note:

Reviewed By: Scott S Buell

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

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Tel: 717.505.5280 • Fax: 717.505.5285

ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S23

Lab Sample Number: L72416-23
Client Sample No.: S23
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	73.4	%	1	06/13/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	3.41	06/21/05	BAB	SW-846 6010
Arsenic	8.7	mg/kg	1.36	06/21/05	BAB	SW-846 6010
Beryllium	2.0	mg/kg	0.06812	06/21/05	BAB	SW-846 6010
Cadmium	3.2	mg/kg	0.136	06/21/05	BAB	SW-846 6010
Chromium	23.8	mg/kg	0.681	06/21/05	BAB	SW-846 6010
Copper	21.4	mg/kg	0.545	06/21/05	BAB	SW-846 6010
Lead	43.8	mg/kg	3.406	06/21/05	BAB	SW-846 6010
Nickel	20.5	mg/kg	0.681	06/21/05	BAB	SW-846 6010
Selenium	ND	mg/kg	3.41	06/21/05	BAB	SW-846 6010
Silver	8.5	mg/kg	0.545	06/21/05	BAB	SW-846 6010
Thallium	5.0	mg/kg	3.41	06/21/05	BAB	SW-846 6010
Zinc	69.0	mg/kg	0.136	06/21/05	BAB	SW-846 6010
Mercury, Total	0.24	mg/kg	0.0599	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	225	06/20/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	225	06/20/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	225	06/20/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	225	06/20/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	225	06/20/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	225	06/20/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	225	06/20/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	225	06/20/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C

978 Loucks Mill Road ◆ York, Pennsylvania 17402-1999
Tel: 717.505.5280 ◆ Fax: 717.505.5285

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-23
Client Sample No.: S23
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S23

Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	225	06/20/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Benzo(a)anthracene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Benzo(a)pyrene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Benzo(b)fluoranthene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Benzo(k)fluoranthene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Chrysene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Fluoranthene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	225	06/20/05	MSM	SW846-8270C
Phenanthrene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Phenol	ND	ug/kg	225	06/20/05	MSM	SW846-8270C
Pyrene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	135	06/20/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S23

Lab Sample Number: L72416-23
Client Sample No.: S23
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method

Note:

8270 - Phenol recovered low in CHKSTD, some compounds recovered low in LCS/MS/MSD.

Reviewed By: Scott S Brunt

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S24

Lab Sample Number: L72416-24
Client Sample No.: S24
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05
Page: 1

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	86.7	%	1	06/13/05	AMR	SM 2540 G.
Antimony	48.7	mg/kg	2.88	06/21/05	BAB	SW-846 6010
Arsenic	10.3	mg/kg	1.15	06/21/05	BAB	SW-846 6010
Beryllium	1.3	mg/kg	0.05766	06/21/05	BAB	SW-846 6010
Cadmium	2.9	mg/kg	0.115	06/21/05	BAB	SW-846 6010
Chromium	21.6	mg/kg	0.577	06/21/05	BAB	SW-846 6010
Copper	50.1	mg/kg	0.461	06/21/05	BAB	SW-846 6010
Lead	121.	mg/kg	2.883	06/21/05	BAB	SW-846 6010
Nickel	18.8	mg/kg	0.577	06/21/05	BAB	SW-846 6010
Selenium	10.8	mg/kg	2.88	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.461	06/21/05	BAB	SW-846 6010
Thallium	ND	mg/kg	2.88	06/21/05	BAB	SW-846 6010
Zinc	141.	mg/kg	0.115	06/21/05	BAB	SW-846 6010
Mercury, Total	0.88	mg/kg	0.0496	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	386	06/24/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	386	06/24/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	386	06/24/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	386	06/24/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	386	06/24/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	386	06/24/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	386	06/24/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	386	06/24/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	155	06/24/05	MSM	SW846-8270C

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Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-24
Client Sample No.: S24
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S24

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	386	06/24/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Acenaphthylene	389.	ug/kg	155	06/24/05	MSM	SW846-8270C
Anthracene	178.	ug/kg	155	06/24/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Benzo(a)anthracene	2810	ug/kg	155	06/24/05	MSM	SW846-8270C
Benzo(a)pyrene	1550	ug/kg	155	06/24/05	MSM	SW846-8270C
Benzo(b)fluoranthene	2310	ug/kg	155	06/24/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	1440	ug/kg	155	06/24/05	MSM	SW846-8270C
Benzo(k)fluoranthene	2100	ug/kg	155	06/24/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Chrysene	4450	ug/kg	155	06/24/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	164.	ug/kg	155	06/24/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Fluoranthene	7830	ug/kg	155	06/24/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	1440	ug/kg	155	06/24/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	386	06/24/05	MSM	SW846-8270C
Phenanthrene	457.	ug/kg	155	06/24/05	MSM	SW846-8270C
Phenol	ND	ug/kg	386	06/24/05	MSM	SW846-8270C
Pyrene	6760	ug/kg	155	06/24/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	232	06/24/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	195.	ug/kg	155	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S24

Lab Sample Number: L72416-24
Client Sample No.: S24
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method

Note:
8270 - One ISTD recovered low.

Reviewed By: Scott Brun

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S25

Lab Sample Number: L72416-25
Client Sample No.: S25
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	90.6	%	1	06/13/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.76	06/21/05	BAB	SW-846 6010
Arsenic	14.4	mg/kg	1.1	06/21/05	BAB	SW-846 6010
Beryllium	1.3	mg/kg	0.05517	06/21/05	BAB	SW-846 6010
Cadmium	2.9	mg/kg	0.11	06/21/05	BAB	SW-846 6010
Chromium	26.2	mg/kg	0.552	06/21/05	BAB	SW-846 6010
Copper	35.4	mg/kg	0.441	06/21/05	BAB	SW-846 6010
Lead	220.	mg/kg	2.758	06/21/05	BAB	SW-846 6010
Nickel	21.2	mg/kg	0.552	06/21/05	BAB	SW-846 6010
Selenium	ND	mg/kg	2.76	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.441	06/21/05	BAB	SW-846 6010
Thallium	ND	mg/kg	2.76	06/21/05	BAB	SW-846 6010
Zinc	119.	mg/kg	0.11	06/21/05	BAB	SW-846 6010
Mercury, Total	2.0	mg/kg	0.11	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	182	06/20/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	182	06/20/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	182	06/20/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	182	06/20/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	182	06/20/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	182	06/20/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	182	06/20/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	182	06/20/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C

978 Loucks Mill Road • York, Pennsylvania 17402-1999
Tel: 717.505.5280 • Fax: 717.505.5285

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-25
Client Sample No.: S25
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S25

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	182	06/20/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Benzo(a)anthracene	143.	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Benzo(a)pyrene	106.	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Benzo(b)fluoranthene	172.	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Benzo(k)fluoranthene	133.	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Chrysene	314.	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Fluoranthene	367.	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	100.	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	182	06/20/05	MSM	SW846-8270C
Phenanthrene	172.	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Phenol	ND	ug/kg	182	06/20/05	MSM	SW846-8270C
Pyrene	330.	ug/kg	72.8	06/20/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	109	06/20/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S25

Lab Sample Number: L72416-25
Client Sample No.: S25
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method

Note:

8270 - Phenol recovered low in CHKSTD, some compounds recovered low in LCS/MS/MSD. One ISTD low.

Reviewed By: Scott's Brun

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S26

Lab Sample Number: L72416-26
Client Sample No.: S26
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	91.7	%	1	06/13/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.73	06/21/05	BAB	SW-846 6010
Arsenic	11.1	mg/kg	1.09	06/21/05	BAB	SW-846 6010
Beryllium	1.1	mg/kg	0.05454	06/21/05	BAB	SW-846 6010
Cadmium	2.6	mg/kg	0.109	06/21/05	BAB	SW-846 6010
Chromium	22.2	mg/kg	0.545	06/21/05	BAB	SW-846 6010
Copper	35.9	mg/kg	0.436	06/21/05	BAB	SW-846 6010
Lead	195.	mg/kg	2.727	06/21/05	BAB	SW-846 6010
Nickel	20.0	mg/kg	0.545	06/21/05	BAB	SW-846 6010
Selenium	ND	mg/kg	2.73	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.436	06/21/05	BAB	SW-846 6010
Thallium	ND	mg/kg	2.73	06/21/05	BAB	SW-846 6010
Zinc	155.	mg/kg	0.109	06/21/05	BAB	SW-846 6010
Mercury, Total	2.2	mg/kg	0.104	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	180	06/20/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	180	06/20/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	180	06/20/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	180	06/20/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	180	06/20/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	180	06/20/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	180	06/20/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	180	06/20/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	72	06/20/05	MSM	SW846-8270C

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Tel: 717.505.5280 ◆ Fax: 717.505.5285

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-26
Client Sample No.: S26
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S26

Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	180	06/20/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Benzo(a)anthracene	107.	ug/kg	72	06/20/05	MSM	SW846-8270C
Benzo(a)pyrene	90.0	ug/kg	72	06/20/05	MSM	SW846-8270C
Benzo(b)fluoranthene	152.	ug/kg	72	06/20/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Benzo(k)fluoranthene	130.	ug/kg	72	06/20/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Chrysene	277.	ug/kg	72	06/20/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Fluoranthene	315.	ug/kg	72	06/20/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	96.5	ug/kg	72	06/20/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	180	06/20/05	MSM	SW846-8270C
Phenanthrene	156.	ug/kg	72	06/20/05	MSM	SW846-8270C
Phenol	ND	ug/kg	180	06/20/05	MSM	SW846-8270C
Pyrene	268.	ug/kg	72	06/20/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	108	06/20/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	72	06/20/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S26

Lab Sample Number: L72416-26
Client Sample No.: S26
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method

Note:

8270 - Phenol recovered low in CHKSTD, some compounds recovered low in LCS/MS/MSD. One ISTD low.

Reviewed By: Scott Bu

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

ANALYTICAL LABORATORY SERVICES, INC. YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S27

Lab Sample Number: L72416-27
Client Sample No.: S27
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	88.4	%	1	06/13/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.83	06/21/05	BAB	SW-846 6010
Arsenic	23.2	mg/kg	1.13	06/21/05	BAB	SW-846 6010
Beryllium	1.2	mg/kg	0.05655	06/21/05	BAB	SW-846 6010
Cadmium	2.8	mg/kg	0.113	06/21/05	BAB	SW-846 6010
Chromium	23.3	mg/kg	0.565	06/21/05	BAB	SW-846 6010
Copper	29.6	mg/kg	0.452	06/21/05	BAB	SW-846 6010
Lead	90.1	mg/kg	2.827	06/21/05	BAB	SW-846 6010
Nickel	26.2	mg/kg	0.565	06/21/05	BAB	SW-846 6010
Selenium	7.4	mg/kg	2.83	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.452	06/21/05	BAB	SW-846 6010
Thallium	2.9	mg/kg	2.83	06/21/05	BAB	SW-846 6010
Zinc	179.	mg/kg	0.113	06/21/05	BAB	SW-846 6010
Mercury, Total	2.2	mg/kg	0.113	06/22/05	BAB	SW-846 7471

Note:

Reviewed By: Scott's Brust

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

978 Loucks Mill Road • York, Pennsylvania 17402-1999
Tel: 717.505.5280 • Fax: 717.505.5285

ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-28
Client Sample No.: S28
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S28

Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	88.6	%	1	06/13/05	AMR	SM 2540 G.
Antimony	17.9	mg/kg	2.82	06/21/05	BAB	SW-846 6010
Arsenic	59.8	mg/kg	1.13	06/21/05	BAB	SW-846 6010
Beryllium	1.1	mg/kg	0.05645	06/21/05	BAB	SW-846 6010
Cadmium	3.8	mg/kg	0.113	06/21/05	BAB	SW-846 6010
Chromium	54.5	mg/kg	0.564	06/21/05	BAB	SW-846 6010
Copper	122.	mg/kg	0.452	06/21/05	BAB	SW-846 6010
Lead	218.	mg/kg	2.822	06/21/05	BAB	SW-846 6010
Nickel	108.	mg/kg	0.564	06/21/05	BAB	SW-846 6010
Selenium	13.8	mg/kg	2.82	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.452	06/21/05	BAB	SW-846 6010
Thallium	3.5	mg/kg	2.82	06/21/05	BAB	SW-846 6010
Zinc	234.	mg/kg	0.113	06/21/05	BAB	SW-846 6010
Mercury, Total	0.95	mg/kg	0.113	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	186	06/20/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	186	06/20/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	186	06/20/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	186	06/20/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	186	06/20/05	MSM	SW846-8270C
2-Methylnaphthalene	448.	ug/kg	74.5	06/20/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	186	06/20/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	186	06/20/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	186	06/20/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C

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Tel: 717.505.5280 • Fax: 717.505.5285

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-28
Client Sample No.: S28
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S28

Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	186	06/20/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Acenaphthylene	218.	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Anthracene	330.	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Benzo(a)anthracene	365.	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Benzo(a)pyrene	324.	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Benzo(b)fluoranthene	760.	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	686.	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Benzo(k)fluoranthene	527.	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Carbazole	95.0	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Chrysene	1540	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	129.	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Dibenzofuran	404.	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Fluoranthene	1540	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Naphthalene	340.	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	186	06/20/05	MSM	SW846-8270C
Phenanthrene	1330	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Phenol	ND	ug/kg	186	06/20/05	MSM	SW846-8270C
Pyrene	1120	ug/kg	74.5	06/20/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	112	06/20/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S28

Lab Sample Number: L72416-28

Client Sample No.: S28

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method

Note:

8270 - Phenol recovered low in CHKSTD, some compounds recovered low in LCS/MS/MSD.Two ISTDs low.

Reviewed By: Scott E Brun

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S31

Lab Sample Number: L72416-31
Client Sample No.: S31
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method

Note:

8270 recoveries for LCS & MS/MSD were low, sample may be biased low.

Reviewed By: Scott Bu

cc:

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YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S32

Lab Sample Number: L72416-32
Client Sample No.: S32
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05
Page: 1

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	94.1	%	1	06/13/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.66	06/21/05	BAB	SW-846 6010
Arsenic	6.4	mg/kg	1.06	06/21/05	BAB	SW-846 6010
Beryllium	0.54	mg/kg	0.05313	06/21/05	BAB	SW-846 6010
Cadmium	1.4	mg/kg	0.106	06/21/05	BAB	SW-846 6010
Chromium	9.9	mg/kg	0.531	06/21/05	BAB	SW-846 6010
Copper	19.3	mg/kg	0.425	06/21/05	BAB	SW-846 6010
Lead	65.2	mg/kg	2.657	06/21/05	BAB	SW-846 6010
Nickel	13.1	mg/kg	0.531	06/21/05	BAB	SW-846 6010
Selenium	ND	mg/kg	2.66	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.425	06/21/05	BAB	SW-846 6010
Thallium	ND	mg/kg	2.66	06/21/05	BAB	SW-846 6010
Zinc	101.	mg/kg	0.106	06/21/05	BAB	SW-846 6010
Mercury, Total	0.77	mg/kg	0.101	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	175	06/24/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	175	06/24/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	175	06/24/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	175	06/24/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	175	06/24/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	175	06/24/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	175	06/24/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	175	06/24/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C

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ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S29

Lab Sample Number: L72416-29
Client Sample No.: S29
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	86.5	%	1	06/13/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.89	06/21/05	BAB	SW-846 6010
Arsenic	15.6	mg/kg	1.16	06/21/05	BAB	SW-846 6010
Beryllium	1.5	mg/kg	0.05779	06/21/05	BAB	SW-846 6010
Cadmium	3.4	mg/kg	0.116	06/21/05	BAB	SW-846 6010
Chromium	73.5	mg/kg	0.578	06/21/05	BAB	SW-846 6010
Copper	32.2	mg/kg	0.462	06/21/05	BAB	SW-846 6010
Lead	90.3	mg/kg	2.89	06/21/05	BAB	SW-846 6010
Nickel	45.2	mg/kg	0.578	06/21/05	BAB	SW-846 6010
Selenium	12.6	mg/kg	2.89	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.462	06/21/05	BAB	SW-846 6010
Thallium	ND	mg/kg	2.89	06/21/05	BAB	SW-846 6010
Zinc	112.	mg/kg	0.116	06/21/05	BAB	SW-846 6010
Mercury, Total	0.78	mg/kg	0.105	06/22/05	BAB	SW-846 7471

Note:

Reviewed By: Scott E. Brown

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

978 Loucks Mill Road ◆ York, Pennsylvania 17402-1999
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ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-30
Client Sample No.: S30
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S30

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	89.4	%	1	06/13/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.8	06/21/05	BAB	SW-846 6010
Arsenic	5.6	mg/kg	1.12	06/21/05	BAB	SW-846 6010
Beryllium	0.88	mg/kg	0.05596	06/21/05	BAB	SW-846 6010
Cadmium	2.0	mg/kg	0.112	06/21/05	BAB	SW-846 6010
Chromium	15.6	mg/kg	0.56	06/21/05	BAB	SW-846 6010
Copper	24.1	mg/kg	0.448	06/21/05	BAB	SW-846 6010
Lead	67.8	mg/kg	2.798	06/21/05	BAB	SW-846 6010
Nickel	11.0	mg/kg	0.56	06/21/05	BAB	SW-846 6010
Selenium	ND	mg/kg	2.8	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.448	06/21/05	BAB	SW-846 6010
Thallium	ND	mg/kg	2.8	06/21/05	BAB	SW-846 6010
Zinc	108.	mg/kg	0.112	06/21/05	BAB	SW-846 6010
Mercury, Total	0.73	mg/kg	0.112	06/22/05	BAB	SW-846 7471

Note:

Reviewed By: Scott A Brown

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

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ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S31

Lab Sample Number: L72416-31
Client Sample No.: S31
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	77.9	%	1	06/13/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	3.21	06/21/05	BAB	SW-846 6010
Arsenic	22.9	mg/kg	1.28	06/21/05	BAB	SW-846 6010
Beryllium	4.9	mg/kg	0.06422	06/21/05	BAB	SW-846 6010
Cadmium	5.5	mg/kg	0.128	06/21/05	BAB	SW-846 6010
Chromium	35.6	mg/kg	0.642	06/21/05	BAB	SW-846 6010
Copper	54.6	mg/kg	0.514	06/21/05	BAB	SW-846 6010
Lead	147.	mg/kg	3.211	06/21/05	BAB	SW-846 6010
Nickel	44.3	mg/kg	0.642	06/21/05	BAB	SW-846 6010
Selenium	ND	mg/kg	3.21	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.514	06/21/05	BAB	SW-846 6010
Thallium	ND	mg/kg	3.21	06/21/05	BAB	SW-846 6010
Zinc	349.	mg/kg	0.128	06/21/05	BAB	SW-846 6010
Mercury, Total	2.3	mg/kg	0.112	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	214	06/21/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	214	06/21/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	214	06/21/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	214	06/21/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	214	06/21/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	214	06/21/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	214	06/21/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	214	06/21/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	86	06/21/05	MSM	SW846-8270C

978 Loucks Mill Road ◆ York, Pennsylvania 17402-1999
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Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-31
Client Sample No.: S31
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S31

Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	214	06/21/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Benzo(a)anthracene	184.	ug/kg	86	06/21/05	MSM	SW846-8270C
Benzo(a)pyrene	154.	ug/kg	86	06/21/05	MSM	SW846-8270C
Benzo(b)fluoranthene	174.	ug/kg	86	06/21/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	98.0	ug/kg	86	06/21/05	MSM	SW846-8270C
Benzo(k)fluoranthene	176.	ug/kg	86	06/21/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Chrysene	267.	ug/kg	86	06/21/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Fluoranthene	450.	ug/kg	86	06/21/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	103.	ug/kg	86	06/21/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	214	06/21/05	MSM	SW846-8270C
Phenanthrene	333.	ug/kg	86	06/21/05	MSM	SW846-8270C
Phenol	ND	ug/kg	214	06/21/05	MSM	SW846-8270C
Pyrene	370.	ug/kg	86	06/21/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	128	06/21/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	86	06/21/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-32
Client Sample No.: S32
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S32

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	175	06/24/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Benzo(a)anthracene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Benzo(a)pyrene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Benzo(b)fluoranthene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Benzo(k)fluoranthene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Chrysene	92.2	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Fluoranthene	133.	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	175	06/24/05	MSM	SW846-8270C
Phenanthrene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Phenol	ND	ug/kg	175	06/24/05	MSM	SW846-8270C
Pyrene	114.	ug/kg	70.1	06/24/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	105	06/24/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	425.	ug/kg	70.1	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S32

Lab Sample Number: L72416-32
Client Sample No.: S32
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05
Page: 3

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method

Note:
8270 - One ISTD recovered low.

Reviewed By: Scott Brun

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

ANALYTICAL LABORATORY SERVICES, INC. YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S33

Lab Sample Number: L72416-33
Client Sample No.: S33
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05
Page: 1

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	87.4	%	1	06/13/05	AMR	SM 2540 G.
Antimony	3.2	mg/kg	2.86	06/21/05	BAB	SW-846 6010
Arsenic	20.7	mg/kg	1.14	06/21/05	BAB	SW-846 6010
Beryllium	1.3	mg/kg	0.05721	06/21/05	BAB	SW-846 6010
Cadmium	3.1	mg/kg	0.114	06/21/05	BAB	SW-846 6010
Chromium	29.9	mg/kg	0.572	06/21/05	BAB	SW-846 6010
Copper	41.2	mg/kg	0.458	06/21/05	BAB	SW-846 6010
Lead	126.	mg/kg	2.86	06/21/05	BAB	SW-846 6010
Nickel	38.7	mg/kg	0.572	06/21/05	BAB	SW-846 6010
Selenium	10.4	mg/kg	2.86	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.458	06/21/05	BAB	SW-846 6010
Thallium	3.0	mg/kg	2.86	06/21/05	BAB	SW-846 6010
Zinc	204.	mg/kg	0.114	06/21/05	BAB	SW-846 6010
Mercury, Total	1.1	mg/kg	0.104	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	189	06/24/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	189	06/24/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	189	06/24/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	189	06/24/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	189	06/24/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	189	06/24/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	189	06/24/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	189	06/24/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C

978 Loucks Mill Road ◆ York, Pennsylvania 17402-1999
Tel: 717.505.5280 ◆ Fax: 717.505.5285

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S33

Lab Sample Number: L72416-33
Client Sample No.: S33
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	189	06/24/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Anthracene	86.1	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Benzo(a)anthracene	435.	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Benzo(a)pyrene	333.	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Benzo(b)fluoranthene	405.	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	353.	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Benzo(k)fluoranthene	340.	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Benzyl Alcohol	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Chrysene	702.	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Fluoranthene	989.	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	339.	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	189	06/24/05	MSM	SW846-8270C
Phenanthrene	353.	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Phenol	ND	ug/kg	189	06/24/05	MSM	SW846-8270C
Pyrene	882.	ug/kg	75.5	06/24/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	113	06/24/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S33

Lab Sample Number: L72416-33
Client Sample No.: S33
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05
Page: 3

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
bis(2-Ethylhexyl)phthalate	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C

Note:
8270 - One ISTD recovered low.

Reviewed By: Scott Bu

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-34
Client Sample No.: S34
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S34

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	90.6	%	1	06/13/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.76	06/22/05	BAB	SW-846 6010
Arsenic	31.5	mg/kg	1.1	06/22/05	BAB	SW-846 6010
Beryllium	0.88	mg/kg	0.05516	06/22/05	BAB	SW-846 6010
Cadmium	2.1	mg/kg	0.11	06/22/05	BAB	SW-846 6010
Chromium	33.5	mg/kg	0.552	06/22/05	BAB	SW-846 6010
Copper	23.9	mg/kg	0.441	06/22/05	BAB	SW-846 6010
Lead	51.8	mg/kg	2.758	06/22/05	BAB	SW-846 6010
Nickel	20.0	mg/kg	0.552	06/22/05	BAB	SW-846 6010
Selenium	8.3	mg/kg	2.76	06/22/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.441	06/22/05	BAB	SW-846 6010
Thallium	3.6	mg/kg	2.76	06/22/05	BAB	SW-846 6010
Zinc	62.5	mg/kg	0.11	06/22/05	BAB	SW-846 6010
Mercury, Total	1.2	mg/kg	0.11	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	184	06/21/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	184	06/21/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	184	06/21/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	184	06/21/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	184	06/21/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	184	06/21/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	184	06/21/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	184	06/21/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	74	06/21/05	MSM	SW846-8270C

978 Loucks Mill Road ◆ York, Pennsylvania 17402-1999
Tel: 717.505.5280 ◆ Fax: 717.505.5285

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-34
Client Sample No.: S34
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S34

Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	184	06/21/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Benzo(a)anthracene	91.0	ug/kg	74	06/21/05	MSM	SW846-8270C
Benzo(a)pyrene	76.0	ug/kg	74	06/21/05	MSM	SW846-8270C
Benzo(b)fluoranthene	100.	ug/kg	74	06/21/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Benzo(k)fluoranthene	92.0	ug/kg	74	06/21/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Chrysene	140.	ug/kg	74	06/21/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Fluoranthene	176.	ug/kg	74	06/21/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	184	06/21/05	MSM	SW846-8270C
Phenanthrene	90.0	ug/kg	74	06/21/05	MSM	SW846-8270C
Phenol	ND	ug/kg	184	06/21/05	MSM	SW846-8270C
Pyrene	147.	ug/kg	74	06/21/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	110	06/21/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	74	06/21/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S34

Lab Sample Number: L72416-34
Client Sample No.: S34
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method

Note:

8270 recoveries for LCS & MS/MSD were low, sample may be biased low.

Reviewed By: Scott Brown

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

ANALYTICAL LABORATORY SERVICES, INC. YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S35

Lab Sample Number: L72416-35
Client Sample No.: S35
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	93.5	%	1	06/14/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.67	06/22/05	BAB	SW-846 6010
Arsenic	9.7	mg/kg	1.07	06/22/05	BAB	SW-846 6010
Beryllium	0.58	mg/kg	0.05346	06/22/05	BAB	SW-846 6010
Cadmium	2.3	mg/kg	0.107	06/22/05	BAB	SW-846 6010
Chromium	8.9	mg/kg	0.535	06/22/05	BAB	SW-846 6010
Copper	18.5	mg/kg	0.428	06/22/05	BAB	SW-846 6010
Lead	61.3	mg/kg	2.673	06/22/05	BAB	SW-846 6010
Nickel	8.9	mg/kg	0.535	06/22/05	BAB	SW-846 6010
Selenium	ND	mg/kg	2.67	06/22/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.428	06/22/05	BAB	SW-846 6010
Thallium	ND	mg/kg	2.67	06/22/05	BAB	SW-846 6010
Zinc	71.1	mg/kg	0.107	06/22/05	BAB	SW-846 6010
Mercury, Total	0.19	mg/kg	0.0973	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	178	06/21/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	178	06/21/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	178	06/21/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	178	06/21/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	178	06/21/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	178	06/21/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	178	06/21/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	178	06/21/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	71	06/21/05	MSM	SW846-8270C

978 Loucks Mill Road • York, Pennsylvania 17402-1999
Tel: 717.505.5280 • Fax: 717.505.5285

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S35

Lab Sample Number: L72416-35
Client Sample No.: S35
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	178	06/21/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Benzo(a)anthracene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Benzo(a)pyrene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Benzo(b)fluoranthene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Benzo(k)fluoranthene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Chrysene	103.	ug/kg	71	06/21/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Fluoranthene	111.	ug/kg	71	06/21/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	178	06/21/05	MSM	SW846-8270C
Phenanthrene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Phenol	ND	ug/kg	178	06/21/05	MSM	SW846-8270C
Pyrene	123.	ug/kg	71	06/21/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	107	06/21/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	71	06/21/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S35

Lab Sample Number: L72416-35
Client Sample No.: S35
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method

Note:
8270 - One ISTD recovered low.
8270 recoveries for LCS & MS/MSD were low, sample may be biased low. One ISTD recovered low.

Reviewed By: Scott Brun

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S36

Lab Sample Number: L72416-36
Client Sample No.: S36
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	94.6	%	1	06/14/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.64	06/22/05	BAB	SW-846 6010
Arsenic	13.2	mg/kg	1.06	06/22/05	BAB	SW-846 6010
Beryllium	0.79	mg/kg	0.05284	06/22/05	BAB	SW-846 6010
Cadmium	2.0	mg/kg	0.106	06/22/05	BAB	SW-846 6010
Chromium	12.4	mg/kg	0.528	06/22/05	BAB	SW-846 6010
Copper	29.3	mg/kg	0.423	06/22/05	BAB	SW-846 6010
Lead	89.0	mg/kg	2.642	06/22/05	BAB	SW-846 6010
Nickel	14.9	mg/kg	0.528	06/22/05	BAB	SW-846 6010
Selenium	6.1	mg/kg	2.64	06/22/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.423	06/22/05	BAB	SW-846 6010
Thallium	ND	mg/kg	2.64	06/22/05	BAB	SW-846 6010
Zinc	116.	mg/kg	0.106	06/22/05	BAB	SW-846 6010
Mercury, Total	1.2	mg/kg	100	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	176	06/21/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	176	06/21/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	176	06/21/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	176	06/21/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	176	06/21/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	176	06/21/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	176	06/21/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	176	06/21/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	70	06/21/05	MSM	SW846-8270C

978 Loucks Mill Road ◆ York, Pennsylvania 17402-1999
Tel: 717.505.5280 ◆ Fax: 717.505.5285

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S36

Lab Sample Number: L72416-36

Client Sample No.: S36

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	176	06/21/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Benzo(a)anthracene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Benzo(a)pyrene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Benzo(b)fluoranthene	73.0	ug/kg	70	06/21/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Benzo(k)fluoranthene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Chrysene	114.	ug/kg	70	06/21/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Fluoranthene	146.	ug/kg	70	06/21/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	176	06/21/05	MSM	SW846-8270C
Phenanthrene	96.0	ug/kg	70	06/21/05	MSM	SW846-8270C
Phenol	ND	ug/kg	176	06/21/05	MSM	SW846-8270C
Pyrene	131.	ug/kg	70	06/21/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	106	06/21/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	70	06/21/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S36

Lab Sample Number: L72416-36
Client Sample No.: S36
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method

Note:

8270 recoveries for LCS & MS/MSD were low, sample may be biased low.

Reviewed By: Scott Brown

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S37

Lab Sample Number: L72416-37
Client Sample No.: S37
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	75.9	%	1	06/14/05	AMR	SM 2540 G.
Antimony	4.6	mg/kg	3.3	06/22/05	BAB	SW-846 6010
Arsenic	31.2	mg/kg	1.32	06/22/05	BAB	SW-846 6010
Beryllium	0.84	mg/kg	0.0659	06/22/05	BAB	SW-846 6010
Cadmium	1.9	mg/kg	0.132	06/22/05	BAB	SW-846 6010
Chromium	28.9	mg/kg	0.659	06/22/05	BAB	SW-846 6010
Copper	43.5	mg/kg	0.527	06/22/05	BAB	SW-846 6010
Lead	112.	mg/kg	3.295	06/22/05	BAB	SW-846 6010
Nickel	27.6	mg/kg	0.659	06/22/05	BAB	SW-846 6010
Selenium	ND	mg/kg	3.3	06/22/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.527	06/22/05	BAB	SW-846 6010
Thallium	ND	mg/kg	3.3	06/22/05	BAB	SW-846 6010
Zinc	97.4	mg/kg	0.132	06/22/05	BAB	SW-846 6010
Mercury, Total	0.79	mg/kg	0.101	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	184.	ug/kg	88	06/21/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	219	06/21/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	219	06/21/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	219	06/21/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	219	06/21/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	219	06/21/05	MSM	SW846-8270C
2-Methylnaphthalene	116.	ug/kg	88	06/21/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	219	06/21/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	219	06/21/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	219	06/21/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	88	06/21/05	MSM	SW846-8270C

978 Loucks Mill Road ◆ York, Pennsylvania 17402-1999
Tel: 717.505.5280 ◆ Fax: 717.505.5285

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S37

Lab Sample Number: L72416-37
Client Sample No.: S37
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	219	06/21/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Benzo(a)anthracene	490.	ug/kg	88	06/21/05	MSM	SW846-8270C
Benzo(a)pyrene	348.	ug/kg	88	06/21/05	MSM	SW846-8270C
Benzo(b)fluoranthene	500.	ug/kg	88	06/21/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	342.	ug/kg	88	06/21/05	MSM	SW846-8270C
Benzo(k)fluoranthene	424.	ug/kg	88	06/21/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Chrysene	1020	ug/kg	88	06/21/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Fluoranthene	1280	ug/kg	88	06/21/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	347.	ug/kg	88	06/21/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Phenanthrene	632.	ug/kg	219	06/21/05	MSM	SW846-8270C
Phenol	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Pyrene	1120	ug/kg	219	06/21/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	132	06/21/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	88	06/21/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S37

Lab Sample Number: L72416-37
Client Sample No.: S37
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method

Note:

8270 - recoveries for LCS & MS/MSD were low, sample may be biased low. One ISTD recovered low.

Reviewed By: Scott Brun

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S38

Lab Sample Number: L72416-38
Client Sample No.: S38
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	81.9	%	1	06/14/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	3.05	06/22/05	BAB	SW-846 6010
Arsenic	5.2	mg/kg	1.22	06/22/05	BAB	SW-846 6010
Beryllium	1.2	mg/kg	0.06106	06/22/05	BAB	SW-846 6010
Cadmium	3.1	mg/kg	0.122	06/22/05	BAB	SW-846 6010
Chromium	19.4	mg/kg	0.611	06/22/05	BAB	SW-846 6010
Copper	44.4	mg/kg	0.489	06/22/05	BAB	SW-846 6010
Lead	97.5	mg/kg	3.053	06/22/05	BAB	SW-846 6010
Nickel	25.3	mg/kg	0.611	06/22/05	BAB	SW-846 6010
Selenium	11.3	mg/kg	3.05	06/22/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.489	06/22/05	BAB	SW-846 6010
Thallium	ND	mg/kg	3.05	06/22/05	BAB	SW-846 6010
Zinc	135.	mg/kg	0.122	06/22/05	BAB	SW-846 6010
Mercury, Total	1.3	mg/kg	0.0611	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	203	06/21/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	203	06/21/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	203	06/21/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	203	06/21/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	203	06/21/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	203	06/21/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	203	06/21/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	203	06/21/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	81	06/21/05	MSM	SW846-8270C

978 Loucks Mill Road ◆ York, Pennsylvania 17402-1999
Tel: 717.505.5280 ◆ Fax: 717.505.5285

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S38

Lab Sample Number: L72416-38
Client Sample No.: S38
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	203	06/21/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Benzo(a)anthracene	232.	ug/kg	81	06/21/05	MSM	SW846-8270C
Benzo(a)pyrene	161.	ug/kg	81	06/21/05	MSM	SW846-8270C
Benzo(b)fluoranthene	185.	ug/kg	81	06/21/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	143.	ug/kg	81	06/21/05	MSM	SW846-8270C
Benzo(k)fluoranthene	189.	ug/kg	81	06/21/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Chrysene	436.	ug/kg	81	06/21/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Fluoranthene	645.	ug/kg	81	06/21/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	144.	ug/kg	81	06/21/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	203	06/21/05	MSM	SW846-8270C
Phenanthrene	338.	ug/kg	81	06/21/05	MSM	SW846-8270C
Phenol	ND	ug/kg	203	06/21/05	MSM	SW846-8270C
Pyrene	581.	ug/kg	81	06/21/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	122	06/21/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	306.	ug/kg	81	06/21/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S38

Lab Sample Number: L72416-38
Client Sample No.: S38
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method

Note:

8270 - One ISTD recovered low.
8270 recoveries for LCS & MS/MSD were low, sample may be biased low. One ISTD recovered low.

Reviewed By: Scott Brown

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S39

Lab Sample Number: L72416-39
Client Sample No.: S39
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	87.9	%	1	06/14/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.84	06/22/05	BAB	SW-846 6010
Arsenic	10.8	mg/kg	1.14	06/22/05	BAB	SW-846 6010
Beryllium	1.4	mg/kg	0.05686	06/22/05	BAB	SW-846 6010
Cadmium	3.2	mg/kg	0.114	06/22/05	BAB	SW-846 6010
Chromium	39.2	mg/kg	0.569	06/22/05	BAB	SW-846 6010
Copper	41.2	mg/kg	0.455	06/22/05	BAB	SW-846 6010
Lead	127.	mg/kg	2.843	06/22/05	BAB	SW-846 6010
Nickel	50.1	mg/kg	0.569	06/22/05	BAB	SW-846 6010
Selenium	ND	mg/kg	2.84	06/22/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.455	06/22/05	BAB	SW-846 6010
Thallium	3.3	mg/kg	2.84	06/22/05	BAB	SW-846 6010
Zinc	142.	mg/kg	0.114	06/22/05	BAB	SW-846 6010
Mercury, Total	1.4	mg/kg	0.0944	06/22/05	BAB	SW-846 7471

Note:

Reviewed By: Scott Bu

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

978 Loucks Mill Road ◆ York, Pennsylvania 17402-1999
Tel: 717.505.5280 ◆ Fax: 717.505.5285

ANALYTICAL LABORATORY SERVICES, INC. YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-40
Client Sample No.: S40
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S40

Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05
Page: 1

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	89.2	%	1	06/14/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.8	06/22/05	BAB	SW-846 6010
Arsenic	15.2	mg/kg	1.12	06/22/05	BAB	SW-846 6010
Beryllium	1.2	mg/kg	0.05603	06/22/05	BAB	SW-846 6010
Cadmium	2.8	mg/kg	0.112	06/22/05	BAB	SW-846 6010
Chromium	31.9	mg/kg	0.56	06/22/05	BAB	SW-846 6010
Copper	37.3	mg/kg	0.448	06/22/05	BAB	SW-846 6010
Lead	98.1	mg/kg	2.802	06/22/05	BAB	SW-846 6010
Nickel	45.5	mg/kg	0.56	06/22/05	BAB	SW-846 6010
Selenium	10.4	mg/kg	2.8	06/22/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.448	06/22/05	BAB	SW-846 6010
Thallium	ND	mg/kg	2.8	06/22/05	BAB	SW-846 6010
Zinc	121.	mg/kg	0.112	06/22/05	BAB	SW-846 6010
Mercury, Total	0.89	mg/kg	0.106	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	74	06/24/05	MSM	SW846-8270C

978 Loucks Mill Road ◆ York, Pennsylvania 17402-1999
Tel: 717.505.5280 ◆ Fax: 717.505.5285

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-40

Client Sample No.: S40

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S40

Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Benzo(a)anthracene	175.	ug/kg	74	06/24/05	MSM	SW846-8270C
Benzo(a)pyrene	146.	ug/kg	74	06/24/05	MSM	SW846-8270C
Benzo(b)fluoranthene	172.	ug/kg	74	06/24/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	169.	ug/kg	74	06/24/05	MSM	SW846-8270C
Benzo(k)fluoranthene	165.	ug/kg	74	06/24/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Chrysene	371.	ug/kg	74	06/24/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Fluoranthene	455.	ug/kg	74	06/24/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	164.	ug/kg	74	06/24/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
Phenanthrene	273.	ug/kg	74	06/24/05	MSM	SW846-8270C
Phenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
Pyrene	438.	ug/kg	74	06/24/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	111	06/24/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	1690	ug/kg	74	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S40

Lab Sample Number: L72416-40

Client Sample No.: S40

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method

Note:

8270 - One ISTD recovered low.

Reviewed By: Scott Brun

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S41

Lab Sample Number: L72416-41
Client Sample No.: S41
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05
Page: 1

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	89.1	%	1	06/14/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.81	06/22/05	BAB	SW-846 6010
Arsenic	10.7	mg/kg	1.12	06/22/05	BAB	SW-846 6010
Beryllium	1.4	mg/kg	0.0561	06/22/05	BAB	SW-846 6010
Cadmium	3.1	mg/kg	0.112	06/22/05	BAB	SW-846 6010
Chromium	29.8	mg/kg	0.561	06/22/05	BAB	SW-846 6010
Copper	40.4	mg/kg	0.449	06/22/05	BAB	SW-846 6010
Lead	65.9	mg/kg	2.805	06/22/05	BAB	SW-846 6010
Nickel	26.5	mg/kg	0.561	06/22/05	BAB	SW-846 6010
Selenium	9.3	mg/kg	2.81	06/22/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.449	06/22/05	BAB	SW-846 6010
Thallium	ND	mg/kg	2.81	06/22/05	BAB	SW-846 6010
Zinc	75.9	mg/kg	0.112	06/22/05	BAB	SW-846 6010
Mercury, Total	1.2	mg/kg	0.107	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C

978 Loucks Mill Road ◆ York, Pennsylvania 17402-1999
Tel: 717.505.5280 ◆ Fax: 717.505.5285

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-41

Client Sample No.: S41

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S41

Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Benzo(a)anthracene	262.	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Benzo(a)pyrene	258.	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Benzo(b)fluoranthene	272.	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	165.	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Benzo(k)fluoranthene	242.	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Chrysene	354.	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Fluoranthene	443.	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	154.	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Phenanthrene	226.	ug/kg	185	06/24/05	MSM	SW846-8270C
Phenol	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Pyrene	518.	ug/kg	185	06/24/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	111	06/24/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S41

Lab Sample Number: L72416-41
Client Sample No.: S41
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05
Page: 3

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method

Note:

Reviewed By: Scott Brun

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-42
Client Sample No.: S42
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S42

Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	91.4	%	1	06/14/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.74	06/22/05	BAB	SW-846 6010
Arsenic	7.2	mg/kg	1.09	06/22/05	BAB	SW-846 6010
Beryllium	1.5	mg/kg	0.05473	06/22/05	BAB	SW-846 6010
Cadmium	3.4	mg/kg	0.109	06/22/05	BAB	SW-846 6010
Chromium	177.	mg/kg	0.547	06/22/05	BAB	SW-846 6010
Copper	41.9	mg/kg	0.438	06/22/05	BAB	SW-846 6010
Lead	86.4	mg/kg	2.736	06/22/05	BAB	SW-846 6010
Nickel	19.7	mg/kg	0.547	06/22/05	BAB	SW-846 6010
Selenium	ND	mg/kg	2.74	06/22/05	BAB	SW-846 6010
Silver	5.5	mg/kg	0.438	06/22/05	BAB	SW-846 6010
Thallium	ND	mg/kg	2.74	06/22/05	BAB	SW-846 6010
Zinc	94.3	mg/kg	0.109	06/22/05	BAB	SW-846 6010
Mercury, Total	0.76	mg/kg	0.109	06/22/05	BAB	SW-846 7471

Note:

Reviewed By: Scott Brust

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

978 Loucks Mill Road ◆ York, Pennsylvania 17402-1999
Tel: 717.505.5280 ◆ Fax: 717.505.5285

ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S43

Lab Sample Number: L72416-43
Client Sample No.: S43
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	86.8	%	1	06/14/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.88	06/22/05	BAB	SW-846 6010
Arsenic	6.5	mg/kg	1.15	06/22/05	BAB	SW-846 6010
Beryllium	1.1	mg/kg	0.05761	06/22/05	BAB	SW-846 6010
Cadmium	2.7	mg/kg	0.115	06/22/05	BAB	SW-846 6010
Chromium	22.2	mg/kg	0.576	06/22/05	BAB	SW-846 6010
Copper	59.9	mg/kg	0.461	06/22/05	BAB	SW-846 6010
Lead	217.	mg/kg	2.881	06/22/05	BAB	SW-846 6010
Nickel	19.1	mg/kg	0.576	06/22/05	BAB	SW-846 6010
Selenium	9.1	mg/kg	2.88	06/22/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.461	06/22/05	BAB	SW-846 6010
Thallium	3.1	mg/kg	2.88	06/22/05	BAB	SW-846 6010
Zinc	151.	mg/kg	0.115	06/22/05	BAB	SW-846 6010
Mercury, Total	2.5	mg/kg	0.115	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
1,3-dichlorobenzene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	190	06/24/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	190	06/24/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	190	06/24/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	190	06/24/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	190	06/24/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	190	06/24/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	190	06/24/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	190	06/24/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	76	06/24/05	MSM	SW846-8270C

978 Loucks Mill Road ◆ York, Pennsylvania 17402-1999
Tel: 717.505.5280 ◆ Fax: 717.505.5285

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S43

Lab Sample Number: L72416-43

Client Sample No.: S43

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	190	06/24/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Anthracene	106.	ug/kg	76	06/24/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Benzo(a)anthracene	441.	ug/kg	76	06/24/05	MSM	SW846-8270C
Benzo(a)pyrene	307.	ug/kg	76	06/24/05	MSM	SW846-8270C
Benzo(b)fluoranthene	337.	ug/kg	76	06/24/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	246.	ug/kg	76	06/24/05	MSM	SW846-8270C
Benzo(k)fluoranthene	264.	ug/kg	76	06/24/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Chrysene	758.	ug/kg	76	06/24/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Fluoranthene	1210	ug/kg	76	06/24/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	214.	ug/kg	76	06/24/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	190	06/24/05	MSM	SW846-8270C
Phenanthrene	1140	ug/kg	76	06/24/05	MSM	SW846-8270C
Phenol	ND	ug/kg	190	06/24/05	MSM	SW846-8270C
Pyrene	1250	ug/kg	76	06/24/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	114	06/24/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	76	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S43

Lab Sample Number: L72416-43
Client Sample No.: S43
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05
Page: 3

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method

Note:

8270 - One ISTD recovered low.

Reviewed By: Scott's Burn

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

ANALYTICAL LABORATORY SERVICES, INC. YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S44

Lab Sample Number: L72416-44
Client Sample No.: S44
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	89.3	%	1	06/14/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.8	06/22/05	BAB	SW-846 6010
Arsenic	6.4	mg/kg	1.12	06/22/05	BAB	SW-846 6010
Beryllium	1.0	mg/kg	0.05602	06/22/05	BAB	SW-846 6010
Cadmium	2.1	mg/kg	0.112	06/22/05	BAB	SW-846 6010
Chromium	21.5	mg/kg	0.56	06/22/05	BAB	SW-846 6010
Copper	47.4	mg/kg	0.448	06/22/05	BAB	SW-846 6010
Lead	73.7	mg/kg	2.801	06/22/05	BAB	SW-846 6010
Nickel	17.9	mg/kg	0.56	06/22/05	BAB	SW-846 6010
Selenium	ND	mg/kg	2.8	06/22/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.448	06/22/05	BAB	SW-846 6010
Thallium	ND	mg/kg	2.8	06/22/05	BAB	SW-846 6010
Zinc	60.8	mg/kg	0.112	06/22/05	BAB	SW-846 6010
Mercury, Total	0.86	mg/kg	0.0975	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	187	06/27/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	187	06/27/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	187	06/27/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	187	06/27/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	187	06/27/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	187	06/27/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	187	06/27/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	187	06/27/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C

978 Loucks Mill Road ◆ York, Pennsylvania 17402-1999
Tel: 717.505.5280 ◆ Fax: 717.505.5285

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-44
Client Sample No.: S44
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S44

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	187	06/27/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Anthracene	293.	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Benzo(a)anthracene	723.	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Benzo(a)pyrene	557.	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Benzo(b)fluoranthene	455.	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	520.	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Benzo(k)fluoranthene	432.	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Chrysene	1470	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Fluoranthene	1270	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	457.	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	187	06/27/05	MSM	SW846-8270C
Phenanthrene	887.	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Phenol	ND	ug/kg	187	06/27/05	MSM	SW846-8270C
Pyrene	1920	ug/kg	74.6	06/27/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	112	06/27/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S44

Lab Sample Number: L72416-44
Client Sample No.: S44
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method

Note:

8270 - 2,4-Dichlorophenol biased low, SPCCs and other CCCs were ok. One ISTD recovered low.

Reviewed By: Scott Bru

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

ANALYTICAL LABORATORY SERVICES, INC. YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S45

Lab Sample Number: L72416-45
Client Sample No.: S45
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	89.0	%	1	06/14/05	AMR	SM 2540 G.
Antimony, Total	ND	mg/kg	2.81	06/22/05	BAB	SW-846 6010
Arsenic, Total	7.3	mg/kg	1.1	06/22/05	BAB	SW-846 6010
Beryllium, Total	1.2	mg/kg	0.0562	06/22/05	BAB	SW-846 6010
Cadmium, Total	2.7	mg/kg	0.112	06/22/05	BAB	SW-846 6010
Chromium, Total	23.7	mg/kg	0.562	06/22/05	BAB	SW-846 6010
Copper, Total	23.9	mg/kg	0.225	06/22/05	BAB	SW-846 6010
Lead, Total	47.6	mg/kg	2.81	06/22/05	BAB	SW-846 6010
Nickel, Total	16.1	mg/kg	0.562	06/22/05	BAB	SW-846 6010
Selenium, Total	8.0	mg/kg	2.81	06/22/05	BAB	SW-846 6010
Silver, Total	1.6	mg/kg	0.45	06/22/05	BAB	SW-846 6010
Thallium, Total	ND	mg/kg	2.81	06/22/05	BAB	SW-846 6010
Zinc, Total	50.9	mg/kg	0.225	06/22/05	BAB	SW-846 6010
Mercury, Total	0.50	mg/kg	0.102	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2-Methylnaphthalene	370.	ug/kg	74.2	06/24/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C

978 Loucks Mill Road • York, Pennsylvania 17402-1999
Tel: 717.505.5280 • Fax: 717.505.5285

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S45

Lab Sample Number: L72416-45
Client Sample No.: S45
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
Acenaphthene	723.	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Anthracene	1180	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Benzo(a)anthracene	1550	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Benzo(a)pyrene	999.	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Benzo(b)fluoranthene	708.	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	710.	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Benzo(k)fluoranthene	793.	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Chrysene	2900	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	85.0	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Dibenzofuran	91.6	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Fluoranthene	2530	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Fluorene	788.	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	634.	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Naphthalene	98.3	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
Phenanthrene	3380	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Phenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
Pyrene	3790	ug/kg	74.2	06/24/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	111	06/24/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S45

Lab Sample Number: L72416-45
Client Sample No.: S45
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05
Page: 3

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method

Note:
8270 - One ISTD recovered low.

Reviewed By: Scott L Bru

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S46

Lab Sample Number: L72416-46
Client Sample No.: S46
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05
Page: 1

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	88.8	%	1	06/14/05	AMR	SM 2540 G.
Antimony, Total	ND	mg/kg	2.82	06/22/05	BAB	SW-846 6010
Arsenic, Total	7.2	mg/kg	1.1	06/22/05	BAB	SW-846 6010
Beryllium, Total	1.3	mg/kg	0.0563	06/22/05	BAB	SW-846 6010
Cadmium, Total	2.7	mg/kg	0.113	06/22/05	BAB	SW-846 6010
Chromium, Total	30.1	mg/kg	0.563	06/22/05	BAB	SW-846 6010
Copper, Total	28.9	mg/kg	0.225	06/22/05	BAB	SW-846 6010
Lead, Total	49.0	mg/kg	2.82	06/22/05	BAB	SW-846 6010
Nickel, Total	19.0	mg/kg	0.563	06/22/05	BAB	SW-846 6010
Selenium, Total	ND	mg/kg	2.82	06/22/05	BAB	SW-846 6010
Silver, Total	ND	mg/kg	0.451	06/22/05	BAB	SW-846 6010
Thallium, Total	ND	mg/kg	2.82	06/22/05	BAB	SW-846 6010
Zinc, Total	61.3	mg/kg	0.225	06/22/05	BAB	SW-846 6010
Mercury, Total	0.45	mg/kg	0.107	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	186	06/24/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	186	06/24/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	186	06/24/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	186	06/24/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	186	06/24/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	186	06/24/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	186	06/24/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	186	06/24/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C

978 Loucks Mill Road ◆ York, Pennsylvania 17402-1999
Tel: 717.505.5280 ◆ Fax: 717.505.5285

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-46
Client Sample No.: S46
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S46

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	186	06/24/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Acenaphthylene	290.	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Anthracene	304.	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Benzo(a)anthracene	1580	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Benzo(a)pyrene	820.	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Benzo(b)fluoranthene	1040	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	413.	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Benzo(k)fluoranthene	867.	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Chrysene	1840	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Fluoranthene	2560	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	461.	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	186	06/24/05	MSM	SW846-8270C
Phenanthrene	497.	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Phenol	ND	ug/kg	186	06/24/05	MSM	SW846-8270C
Pyrene	2070	ug/kg	74.4	06/24/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	112	06/24/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S46

Lab Sample Number: L72416-46
Client Sample No.: S46
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05
Page: 3

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method

Note:

Reviewed By: Scott Brown

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

ANALYTICAL LABORATORY SERVICES, INC. YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S47

Lab Sample Number: L72416-47
Client Sample No.: S47
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	83.4	%	1	06/14/05	AMR	SM 2540 G.
Antimony, Total	ND	mg/kg	3	06/22/05	BAB	SW-846 6010
Arsenic, Total	12.0	mg/kg	1.2	06/22/05	BAB	SW-846 6010
Beryllium, Total	2.3	mg/kg	0.0599	06/22/05	BAB	SW-846 6010
Cadmium, Total	3.7	mg/kg	0.12	06/22/05	BAB	SW-846 6010
Chromium, Total	29.3	mg/kg	0.599	06/22/05	BAB	SW-846 6010
Copper, Total	43.1	mg/kg	0.24	06/22/05	BAB	SW-846 6010
Lead, Total	88.4	mg/kg	3	06/22/05	BAB	SW-846 6010
Nickel, Total	21.8	mg/kg	0.599	06/22/05	BAB	SW-846 6010
Selenium, Total	ND	mg/kg	3	06/22/05	BAB	SW-846 6010
Silver, Total	10.5	mg/kg	0.479	06/22/05	BAB	SW-846 6010
Thallium, Total	4.5	mg/kg	3	06/22/05	BAB	SW-846 6010
Zinc, Total	126.	mg/kg	0.24	06/22/05	BAB	SW-846 6010
Mercury, Total	0.66	mg/kg	0.0995	06/22/05	BAB	SW-846 7471

Note:

Reviewed By: Scott's Brun

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

978 Loucks Mill Road ◆ York, Pennsylvania 17402-1999
Tel: 717.505.5280 ◆ Fax: 717.505.5285

ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S48

Lab Sample Number: L72416-48
Client Sample No.: S48
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	88.3	%	1	06/14/05	AMR	SM 2540 G.
Antimony, Total	ND	mg/kg	2.83	06/22/05	BAB	SW-846 6010
Arsenic, Total	15.0	mg/kg	1.1	06/22/05	BAB	SW-846 6010
Beryllium, Total	1.3	mg/kg	0.0567	06/22/05	BAB	SW-846 6010
Cadmium, Total	3.2	mg/kg	0.113	06/22/05	BAB	SW-846 6010
Chromium, Total	22.6	mg/kg	0.567	06/22/05	BAB	SW-846 6010
Copper, Total	52.3	mg/kg	0.227	06/22/05	BAB	SW-846 6010
Lead, Total	61.4	mg/kg	2.83	06/22/05	BAB	SW-846 6010
Nickel, Total	28.3	mg/kg	0.567	06/22/05	BAB	SW-846 6010
Selenium, Total	ND	mg/kg	2.83	06/22/05	BAB	SW-846 6010
Silver, Total	9.6	mg/kg	0.453	06/22/05	BAB	SW-846 6010
Thallium, Total	4.5	mg/kg	2.83	06/22/05	BAB	SW-846 6010
Zinc, Total	65.2	mg/kg	0.227	06/22/05	BAB	SW-846 6010
Mercury, Total	0.94	mg/kg	0.113	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	189	06/27/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	189	06/27/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	189	06/27/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	189	06/27/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	189	06/27/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	189	06/27/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	189	06/27/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C

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Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S48

Lab Sample Number: L72416-48
Client Sample No.: S48
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	189	06/27/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Anthracene	75.8	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Benzo(a)anthracene	183.	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Benzo(a)pyrene	160.	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Benzo(b)fluoranthene	181.	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	230.	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Benzo(k)fluoranthene	194.	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Chrysene	407.	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Fluoranthene	500.	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	193.	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	189	06/27/05	MSM	SW846-8270C
Phenanthrene	370.	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Phenol	ND	ug/kg	189	06/27/05	MSM	SW846-8270C
Pyrene	454.	ug/kg	75.5	06/27/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	113	06/27/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S48

Lab Sample Number: L72416-48
Client Sample No.: S48
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method

Note:

8270 - 2,4-Dichlorophenol biased low, SPCCs and other CCCs were ok. One ISTD recovered low.

Reviewed By: Scott's Bu

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-49
Client Sample No.: S49
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S49

Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	87.2	%	1	06/14/05	AMR	SM 2540 G.
Antimony, Total	ND	mg/kg	2.87	06/22/05	BAB	SW-846 6010
Arsenic, Total	7.7	mg/kg	1.1	06/22/05	BAB	SW-846 6010
Beryllium, Total	1.1	mg/kg	0.0573	06/22/05	BAB	SW-846 6010
Cadmium, Total	2.4	mg/kg	0.115	06/22/05	BAB	SW-846 6010
Chromium, Total	18.2	mg/kg	0.573	06/22/05	BAB	SW-846 6010
Copper, Total	37.8	mg/kg	0.229	06/22/05	BAB	SW-846 6010
Lead, Total	89.0	mg/kg	2.87	06/22/05	BAB	SW-846 6010
Nickel, Total	15.8	mg/kg	0.573	06/22/05	BAB	SW-846 6010
Selenium, Total	ND	mg/kg	2.87	06/22/05	BAB	SW-846 6010
Silver, Total	ND	mg/kg	0.459	06/22/05	BAB	SW-846 6010
Thallium, Total	ND	mg/kg	2.87	06/22/05	BAB	SW-846 6010
Zinc, Total	91.5	mg/kg	0.229	06/22/05	BAB	SW-846 6010
Mercury, Total	0.36	mg/kg	0.0573	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	191	06/27/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	191	06/27/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	191	06/27/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	191	06/27/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	191	06/27/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	191	06/27/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	191	06/27/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	191	06/27/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C

978 Loucks Mill Road ◆ York, Pennsylvania 17402-1999
Tel: 717.505.5280 ◆ Fax: 717.505.5285

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-49
Client Sample No.: S49
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S49

Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	191	06/27/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Anthracene	147.	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Benzo(a)anthracene	533.	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Benzo(a)pyrene	538.	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Benzo(b)fluoranthene	456.	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	569.	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Benzo(k)fluoranthene	428.	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Benzyl Alcohol	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Chrysene	1210	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Fluoranthene	944.	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	498.	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	191	06/27/05	MSM	SW846-8270C
Phenanthrene	422.	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Phenol	ND	ug/kg	191	06/27/05	MSM	SW846-8270C
Pyrene	1420	ug/kg	76.4	06/27/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	115	06/27/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S49

Lab Sample Number: L72416-49
Client Sample No.: S49
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
bis(2-Ethylhexyl)phthalate	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C

Note:

8270 - 2,4-Dichlorophenol biased low, SPCCs and other CCCs were ok. Two ISTDs recovered low.

Reviewed By: Scott A Brown

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S50

Lab Sample Number: L72416-50
Client Sample No.: S50
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	88.1	%	1	06/14/05	AMR	SM 2540 G.
Antimony, Total	ND	mg/kg	2.84	06/22/05	BAB	SW-846 6010
Arsenic, Total	12.0	mg/kg	1.1	06/22/05	BAB	SW-846 6010
Beryllium, Total	1.3	mg/kg	0.0567	06/22/05	BAB	SW-846 6010
Cadmium, Total	3.3	mg/kg	0.113	06/22/05	BAB	SW-846 6010
Chromium, Total	26.4	mg/kg	0.567	06/22/05	BAB	SW-846 6010
Copper, Total	35.0	mg/kg	0.227	06/22/05	BAB	SW-846 6010
Lead, Total	98.5	mg/kg	2.84	06/22/05	BAB	SW-846 6010
Nickel, Total	21.5	mg/kg	0.567	06/22/05	BAB	SW-846 6010
Selenium, Total	ND	mg/kg	2.84	06/22/05	BAB	SW-846 6010
Silver, Total	9.7	mg/kg	0.454	06/22/05	BAB	SW-846 6010
Thallium, Total	ND	mg/kg	2.84	06/22/05	BAB	SW-846 6010
Zinc, Total	88.9	mg/kg	0.227	06/22/05	BAB	SW-846 6010
Mercury, Total	0.91	mg/kg	0.113	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	187	06/24/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	187	06/24/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	187	06/24/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	187	06/24/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	187	06/24/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	187	06/24/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	187	06/24/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	187	06/24/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C

978 Loucks Mill Road ◆ York, Pennsylvania 17402-1999
Tel: 717.505.5280 ◆ Fax: 717.505.5285

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S50

Lab Sample Number: L72416-50
Client Sample No.: S50
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	187	06/24/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Benzo(a)anthracene	143.	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Benzo(a)pyrene	128.	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Benzo(b)fluoranthene	169.	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	185.	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Benzo(k)fluoranthene	133.	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Chrysene	370.	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Fluoranthene	500.	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	159.	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	187	06/24/05	MSM	SW846-8270C
Phenanthrene	384.	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Phenol	ND	ug/kg	187	06/24/05	MSM	SW846-8270C
Pyrene	458.	ug/kg	74.9	06/24/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	112	06/24/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S50

Lab Sample Number: L72416-50
Client Sample No.: S50
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05
Page: 3

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method

Note:
8270 - One ISTD recovered low.

Reviewed By: Scott Bu

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S51

Lab Sample Number: L72416-51
Client Sample No.: S51
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	89.7	%	1	06/14/05	AMR	SM 2540 G.
Antimony, Total	ND	mg/kg	2.79	06/22/05	BAB	SW-846 6010
Arsenic, Total	8.6	mg/kg	1.1	06/22/05	BAB	SW-846 6010
Beryllium, Total	1.4	mg/kg	0.0557	06/22/05	BAB	SW-846 6010
Cadmium, Total	3.0	mg/kg	0.111	06/22/05	BAB	SW-846 6010
Chromium, Total	26.9	mg/kg	0.557	06/22/05	BAB	SW-846 6010
Copper, Total	38.7	mg/kg	0.223	06/22/05	BAB	SW-846 6010
Lead, Total	66.1	mg/kg	2.79	06/22/05	BAB	SW-846 6010
Nickel, Total	20.9	mg/kg	0.557	06/22/05	BAB	SW-846 6010
Selenium, Total	ND	mg/kg	2.79	06/22/05	BAB	SW-846 6010
Silver, Total	ND	mg/kg	0.446	06/22/05	BAB	SW-846 6010
Thallium, Total	3.6	mg/kg	2.79	06/22/05	BAB	SW-846 6010
Zinc, Total	95.2	mg/kg	0.223	06/22/05	BAB	SW-846 6010
Mercury, Total	0.86	mg/kg	0.097	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	184	06/24/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	184	06/24/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	184	06/24/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	184	06/24/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	184	06/24/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	184	06/24/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	184	06/24/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	184	06/24/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C

978 Loucks Mill Road ◆ York, Pennsylvania 17402-1999
Tel: 717.505.5280 ◆ Fax: 717.505.5285

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-51
Client Sample No.: S51
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S51

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	184	06/24/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Benzo(a)anthracene	186.	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Benzo(a)pyrene	132.	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Benzo(b)fluoranthene	127.	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	98.2	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Benzo(k)fluoranthene	132.	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Chrysene	309.	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Fluoranthene	322.	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	89.4	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	184	06/24/05	MSM	SW846-8270C
Phenanthrene	376.	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Phenol	ND	ug/kg	184	06/24/05	MSM	SW846-8270C
Pyrene	121.	ug/kg	73.6	06/24/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	110	06/24/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S51

Lab Sample Number: L72416-51
Client Sample No.: S51
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05
Page: 3

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method

Note:
8270 - One ISTD recovered low

Reviewed By: Scott Bra

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

ANALYTICAL LABORATORY SERVICES, INC. YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S52

Lab Sample Number: L72416-52
Client Sample No.: S52
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	74.2	%	1	06/14/05	AMR	SM 2540 G.
Lead, Total	945.	mg/kg	3.37	06/22/05	BAB	SW-846 6010

Note:

Reviewed By: Scott Brown

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

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Tel: 717.505.5280 ◆ Fax: 717.505.5285

ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S53

Lab Sample Number: L72416-53
Client Sample No.: S53
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	72.0	%	1	06/14/05	AMR	SM 2540 G.
Lead, Total	702.	mg/kg	3.47	06/22/05	BAB	SW-846 6010

Note:

Reviewed By: Scott S Brown

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

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YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S54

Lab Sample Number: L72416-54
Client Sample No.: S54
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	81.8	%	1	06/14/05	AMR	SM 2540 G.
Lead, Total	510.	mg/kg	3.06	06/22/05	BAB	SW-846 6010

Note:

Reviewed By: Scott s Brun

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

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ANALYTICAL LABORATORY SERVICES, INC.
YORK DIVISION
Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S55

Lab Sample Number: L72416-55
Client Sample No.: S55
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	78.2	%	1	06/14/05	AMR	SM 2540 G.
Lead, Total	266.	mg/kg	3.2	06/22/05	BAB	SW-846 6010

Note:

Reviewed By: Scott E Bru

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

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Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Attn: John Kerstetter
Project:
Account: GTS001
Description: S56

Lab Sample Number: L72416-56
Client Sample No.: S56
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	86.4	%	1	06/14/05	AMR	SM 2540 G.
Lead, Total	107.	mg/kg	2.9	06/22/05	BAB	SW-846 6010

Note:

Reviewed By: Scott Bru

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

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Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-57
Client Sample No.: S57
Sampled By: CLIENT 06/08/05 08:50
Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S57

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	80.8	%	1	06/14/05	AMR	SM 2540 G.
Lead, Total	1200	mg/kg	3.09	06/22/05	BAB	SW-846 6010

Note:

Reviewed By: Scott Brown

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

COC #: L72416 of
ALSI Quote #:

Client Name: GTS Technologies
Address: 441 Friendship Road Hamishburg PA 17111
Contact: John Kerstetter
Phone#: 717 236-3006
Project Name/#: RACU
Bill To: GTS

TAT: ☐ Normal-Standard TAT is 10-12 business days. ☐ Rush-Subject to ALSI approval and surcharges.
Date Required: _____ Approved By: _____
Email? ☒-Y jkerstetter@gtstech.com
Fax? ☐-Y No.: _____

	Container Type	Container Size	Preservative
	Jar	Jar	
	4oz	4oz	
	none	none	

ANALYSES/METHOD REQUESTED: Creosote 8270

Enter Number of Containers Per Sample or Field Results Below.

	Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	Creosote 8270	Sample/COC Comments
1	S1	6/8/05	0850	G	SO	X	L72416 -1
2	S2		0907	G	SO	X	-2
3	S3		0911	G	SO	X	-3
4	S4		0918	G	SO	X	-4
5	S5		0924	G	SO	X	-5
6	S6		0936	G	SO	X	-6
7	S7		0950	G	SO	X	-7
8	S8		1009	G	SO	X	-8
9	S9		1016	G	SO	X	-9
10	S10		1022	G	SO	X	-10

Receipt Information (completed by Receiving Lab)
Cooler Temp: _____ Cooler #: _____
Therm. ID _____

	Y	N
Custody Seals Present?		
(if present) Seals Intact?		
Received on Ice?		
COC/Labels Agree?		
Cont. in Good Cond.?		
Correct Containers?		
Correct Sample Volumes?		
Correct Preservation?		

Information concerning all nonconformance samples/containers shall be recorded on the COC.

Ship. Carrier: UPS / FedEx / DHL / Other _____
Tracking #: _____

ALSI Field Services: ☐Pickup ☐Labor ☐Composite Sampling ☐Rental Equipment ☐Other: _____

Project Comments:

Logged By (initials/date/time)
Reviewed By (initials/date/time)

Relinquished By/ Company Name	Date	Time	Received By / Company Name	Date	Time
1 Meredith [illegible]	6/9/05	1605	2 [illegible]	6-9-05	1605
3			4		
5			6		
7			8		
9			10		

Data Deliverables: ☒ Standard ☐ CLP-like ☐ USACE ☐

Special Processing: USACE ☐ Navy ☐

State Samples Collected In: ☐ NY ☐ NJ ☐ PA ☐ NC ☐

Reportable to PADEP? Yes ☐ PWSID # _____

Sample Disposal: Lab ☐ Special ☐

EDDS: Format Type- _____

* G=Grab; C=Composite **Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

COC #: _____ of _____
ALSI Quote #:

Client Name: GTS Technologies
Address: 441 Friendship Rd Hershey PA 17111
Contact: John Kerstetter
Phone#: 717 236 3006
Project Name/#: RACY
Bill To: GTS

TAT: ☐ Normal-Standard TAT is 10-12 business days. ☐ Rush-Subject to ALSI approval and surcharges.
Date Required: _____ Approved By: _____
Email? ☒-Y jkerstetter@gtstech.com
Fax? ☐-Y No.: _____

	Container Type	Container Size	Preservative	PPL Metals	PPL Metals SVOC	Creosote 8270	PCBs
	Jar	4oz	none				
	Jar	4oz	none				

ANALYSES/METHOD REQUESTED

Enter Number of Containers Per Sample or Field Results Below.

	Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	PPL Metals	PPL Metals SVOC	Creosote 8270	PCBs	Sample/COC Comments
1	S-11	6/8/05	1029	G	So			X		L72416 -11
2	S-12		1037					X		-12
3	S-13		1108						X	-13
4	S-14		1115						X	-14
5	S-15		1120						X	-15
6	S-16		1130				X			-16
7	S-17		1135				X			-17
8	S-18		1140			X				-18
9	S-19		1329			X				-19
10	S-20		1334			X				-20

Receipt Information (completed by Receiving Lab)
Cooler Temp: _____ Cooler #: _____
Therm. ID _____

	Y	N
Custody Seals Present?		
(if present) Seals Intact?		
Received on Ice?		
COC/Labels Agree?		
Cont. in Good Cond.?		
Correct Containers?		
Correct Sample Volumes?		
Correct Preservation?		

Information concerning all nonconformance samples/containers shall be recorded on the COC.

Ship. Carrier: UPS / FedEx / DHL / Other _____
Tracking #: _____

ALSI Field Services: ☐Pickup ☐Labor ☐Composite Sampling ☐Rental Equipment ☐Other: _____

Project Comments:

Logged By (initials/date/time)
Reviewed By (initials/date/time)

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 Meredith [illegible]	6/9/05	1625	2 [illegible]	6-9-05	1625
3			4		
5			6		
7			8		
9			10		

Data Deliverables: ☒ Standard ☐ CLP-like ☐ USACE ☐

Special Processing: USACE ☐ Navy ☐ ☐

State Samples Collected In: ☐ NY ☐ NJ ☐ PA ☐ NC ☐

Reportable to PADEP? Yes ☐ PWSID # _____

Sample Disposal: Lab ☐ Special ☐

EDDS: Format Type- _____

* G=Grab; C=Composite **Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

COC #: _____ of _____
ALSI Quote #: _____

Client Name: GTS Technologies
Address: 441 Friendship Rd Hamburg PA 17111
Contact: John Kerstetter
Phone#: 717 236-3006
Project Name/#: RACY
Bill To: GTS

TAT: ☐ Normal-Standard TAT is 10-12 business days. ☐ Rush-Subject to ALSI approval and surcharges.
Date Required: _____ Approved By: _____
Email? ☒-Y jkerstetter@gtstech.com
Fax? ☐-Y No.: _____

	Container Type	Container Size	Preservative	*G or C	**Matrix	PPL Metals	PPL Metals SVOC								
	Jar	4oz	none												
	Jar	4oz	none												

ANALYSES/METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	PPL Metals	PPL Metals SVOC									Sample/COC Comments
1	S-21	6/8/05	1340	G	SO	X										72416 -21 ~~-19~~
2	S-22		1357			X										-22 ~~-20~~
3	S-23		1401				X									-23 ~~-21~~
4	S-24		1408				X									-24 ~~-22~~
5	S-25		1412				X									-25 ~~-23~~
6	S-26		1418				X									-26 ~~-24~~
7	S-27		1427			X										-27 ~~-25~~
8	S-28		1431				X									-28 ~~-26~~
9	S-29		1436			X									-29	
10	S-30		1441			X									-30	

Enter Number of Containers Per Sample or Field Results Below.

Receipt Information (completed by Receiving Lab)
Cooler Temp: _____ Cooler #: _____
Therm. ID _____

	Y	N
Custody Seals Present?	☐	☐
(if present) Seals Intact?	☐	☐
Received on Ice?	☐	☐
COC/Labels Agree?	☐	☐
Cont. in Good Cond.?	☐	☐
Correct Containers?	☐	☐
Correct Sample Volumes?	☐	☐
Correct Preservation?	☐	☐

Information concerning all nonconformance samples/containers shall be recorded on the COC.

Ship. Carrier: UPS / FedEx / DHL / Other _____
Tracking #: _____

ALSI Field Services: ☐Pickup ☐Labor ☐Composite Sampling ☐Rental Equipment ☐Other: _____

Project Comments:

Logged By (initials/date/time) _____
Reviewed By (initials/date/time) _____

Data Deliverables: ☒ Standard ☐ CLP-like ☐ USACE ☐

Special Processing: USACE ☐ Navy ☐ ☐

State Samples Collected In: ☐ NY ☐ NJ ☒ PA ☐ NC ☐

Reportable to PADEP? Yes ☐ PWSID # _____

Sample Disposal: Lab ☒ Special ☐

EDDS: Format Type- _____

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	[illegible]	6/9/05	1625	2	[illegible]	6-9-05	1625
3				4			
5				6			
7				8			
9				10			

* G=Grab; C=Composite **Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

COC #: _____ of
ALSI Quote #: _____

Client Name: GTS Technologies
Address: 441 Friendship Rd Hamsburg PA
Contact: John Kerstetter
Phone#: 717-236-3006
Project Name/#: RACY
Bill To: GTS

TAT: ☐ Normal-Standard TAT is 10-12 business days. ☐ Rush-Subject to ALSI approval and surcharges.
Date Required: _____ Approved By: _____
Email? ☒-Y jkerstet@gtstech.com
Fax? ☐-Y No.: _____

	Container Type	Container Size	Preservative
	Jar	4oz	none
	Jar	4oz	none

ANALYSES/METHOD REQUESTED: PPL Metals PPL VOCs; PPL Metals

Enter Number of Containers Per Sample or Field Results Below.

	Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	PPL Metals PPL VOCs	PPL Metals	Sample/COC Comments
1	S-31	6/8/05	1446	G	SO	X		-31 ~~-27~~
2	S-32	6/8/05	1450			X		-32 ~~-28~~
3	S-33	6/8/05	1455			X		-33 ~~-29~~
4	S-34	6/8/05	1500			X		-34 ~~-30~~
5	S-35	6/8/05	~~1500~~ 1511			X		-35 ~~-31~~
6	S-36	6/8/05	1506			X		-36 ~~-32~~
7	S-37	6/8/05	1516			X		-37 ~~-33~~
8	S-38	6/9/05	1033			X		-38 ~~-34~~
9	S-39	6/9/05	1040				X	-39
10	S-40	6/9/05	1045			X		-40

Receipt Information (completed by Receiving Lab)
Cooler Temp: _____ Cooler #: _____
Therm. ID _____

	Y	N
Custody Seals Present?	☐	☐
(if present) Seals Intact?	☐	☐
Received on Ice?	☐	☐
COC/Labels Agree?	☐	☐
Cont. in Good Cond.?	☐	☐
Correct Containers?	☐	☐
Correct Sample Volumes?	☐	☐
Correct Preservation?	☐	☐

Information concerning all nonconformance samples/containers shall be recorded on the COC.

Ship. Carrier: UPS / FedEx / DHL / Other _____
Tracking #: _____

ALSI Field Services: ☐Pickup ☐Labor ☐Composite Sampling ☐Rental Equipment ☐Other: _____

Project Comments:

Logged By (initials/date/time)
Reviewed By (initials/date/time)

Data Deliverables: ☒ Standard ☐ CLP-like ☐ USACE ☐

Special Processing: USACE ☐ Navy ☐ ☐

State Samples Collected In: ☐ NY ☐ NJ ☒ PA ☐ NC ☐

Reportable to PADEP? Yes ☐ PWSID # _____

Sample Disposal: Lab ☒ Special ☐

EDDS: Format Type- _____

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	Meredith [illegible]	6/9/05	1625	2	[illegible]	6-9-05	1625
3				4			
5				6			
7				8			
9				10			

* G=Grab; C=Composite **Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

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ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

COC #: _____ of _____
ALSI Quote #: _____

Client Name: GTS Technologies Inc
Address: 441 Friendship Road Harrisburg PA 17111
Contact: John Kerstetter
Phone#: (717) 236-3006
Project Name/#: RACY
Bill To: GTS

TAT: ☐ Normal-Standard TAT is 10-12 business days. ☐ Rush-Subject to ALSI approval and surcharges.
Date Required: _____ Approved By: _____
Email? ☒-Y jkerstet@gtstech.com
Fax? ☐-Y No.: _____

Container Type						Jar	Jar								
Container Size						4oz	4oz								
Preservative						none	none								
ANALYSES/METHOD REQUESTED															
Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix		PPL Metals, PPL Silicas	PPL Metals								
1 S-41	6/9/05	1051	G	SO		X									
2 S-42	↓	1055	↓	↓			X								
3 S-43	↓	1100	↓	↓		X									
4 S-44	↓	1107	↓	↓		X									
5 S-45	↓	~~1114~~	↓	↓		X									
6 S-46	↓	1119	↓	↓		X									
7 S-47	↓	1126	↓	↓			X								
8 S-48	↓	1140	↓	↓		X									
9 S-49	↓	1147	↓	↓		X									-49
10 S-50	↓	1153	↓	↓		X									-50

Enter Number of Containers Per Sample or Field Results Below.

Receipt Information (completed by Receiving Lab)
Cooler Temp: _____ Cooler #: _____
Therm. ID _____

	Y	N
Custody Seals Present?	☐	☐
(if present) Seals Intact?	☐	☐
Received on Ice?	☐	☐
COC/Labels Agree?	☐	☐
Cont. in Good Cond.?	☐	☐
Correct Containers?	☐	☐
Correct Sample Volumes?	☐	☐
Correct Preservation?	☐	☐

Information concerning all nonconformance samples/containers shall be recorded on the COC.

Ship. Carrier: UPS / FedEx / DHL / Other _____
Tracking #: _____

Sample/COC Comments
-41
-42
-43
-44
-45
-46
-47
-48

ALSI Field Services: ☐Pickup ☐Labor ☐Composite Sampling ☐Rental Equipment ☐Other: _____

Project Comments:

Logged By (initials/date/time) _____
Reviewed By (initials/date/time) _____

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 Meredith [signature]	6/9/05	1625	2 [signature]	6-9-05	1625
3			4		
5			6		
7			8		
9			10		

Data Deliverables: ☒ Standard ☐ CLP-like ☐ USACE ☐

Special Processing: USACE ☐ Navy ☐ ☐

State Samples Collected In: ☐ NY ☐ NJ ☒ PA ☐ NC ☐

Reportable to PADEP? Yes ☐
PWSID # _____

Sample Disposal: Lab ☒ Special ☐

EDDS: Format Type: _____

* G=Grab; C=Composite **Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

Copies: WHITE - ORIGINAL CANARY - CUSTOMER MAILING PINK - FILE GOLDENROD - CUSTOMER COPY

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Environmental • Industrial Hygiene • Field Services
34 Dogwood Lane • Middletown, PA 17057 • 717.944.5541 • Fax: 717.944.1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

COC #: _____ of _____
ALSI Quote #: _____

Client Name: GTS Technologies
Address: 441 Friendship Rd Harrisburg PA 17111
Contact: John Kerstetter
Phone#: (717) 236-3006
Project Name/#: RACY
Bill To: GTS

TAT ☐ Normal-Standard TAT is 10-12 business days.
☐ Rush-Subject to ALSI approval and surcharges.
Date Required: _____ Approved By: _____
Email? ☒-Y jkersteteegtstech.com
Fax? ☐-Y No.: _____

Container Type	Jar												
Container Size	4 oz												
Preservative	None												

ANALYSES/METHOD REQUESTED

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	Total Lead	PPL metals	PPL SVOC								
1 S-51	6/9/05	1159	G	SO	X	X per John Kerstetter									
2 S-52		1208			X										
3 S-53		1213			X										
4 S-54		1220			X										
5 S-55		1225			X										
6 S-56		1232			X										
7 S-57		1238			X										
8															
9															
10															

Enter Number of Containers Per Sample or Field Results Below.

Receipt Information (completed by Receiving Lab)
Cooler Temp: _____ Cooler #: _____
Therm. ID _____

	Y	N
Custody Seals Present?		
(if present) Seals Intact?		
Received on Ice?		
COC/Labels Agree?		
Cont. In Good Cond.?		
Correct Containers?		
Correct Sample Volumes?		
Correct Preservation?		

Information concerning all nonconformance samples/containers shall be recorded on the COC.

Ship. Carrier: UPS / FedEx / DHL / Other _____
Tracking #: _____

Sample/COC Comments
-51
-52
-53
-54
-55
-56
-57

ALSI Field Services: ☐Pickup ☐Labor ☐Composite Sampling ☐Rental Equipment ☐Other: _____

Project Comments:

Logged By (initials/date/time)
Reviewed By (initials/date/time)

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 Meredith Hay	6/9/05	1625	2 John Kerstetter	6-9-05	1625
3			4		
5			6		
7			8		
9			10		

Data Deliverables: ☒ Standard ☐ CLP-like ☐ USACE ☐

Special Processing: USACE ☐ Navy ☐

State Samples Collected In: ☐ NY ☐ NJ ☒ PA ☐ NC ☐

Reportable to PADEP? Yes ☐ PWSID # _____

Sample Disposal: Lab ☒ Special ☐

EDDS: Format Type- _____

* G=Grab; C=Composite **Matrix - Al=Air; DW=Drinking Water; GW=Groundwater; Ol=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

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Rev 8/04

APPENDIX C

Soil Characterization and Delineation Laboratory
Analytical Results – Stage 1 Properties

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Certificate of Analysis

August 1, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID#: **9693983**

PO#: 07214

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

This report relates only to the sample(s) as received by the laboratory. Laboratory reports may not be reproduced, except in full, without the written approval of the Laboratory.

ALSI is a NELAC accredited laboratory. ALSI certifies that all applicable test results meet the requirements of NELAC. All drinking water and wastewater analyses comply with the methodology requirements of 40 CFR Parts 141 and 136 respectively. For an inventory of our NELAC accreditations and Scope of Work, please visit our website at www.analyticallab.com or contact your ALSI project coordinator for a complete listing. If you have any questions in reference to this laboratory report, please contact your ALSI project coordinator or the laboratory manager listed at the bottom of this report at 717-944-5541.

Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis. Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan.

A result of ND indicates that the analyte was Not Detected at the Reporting Detection Limit (RDL). The RDL, by default, is equivalent to the Practical Quantitation Limit (PQL) or may be equivalent to the Method Detection Limit (MDL), if specifically requested by the customer.

Qualifier Flags - These flags may follow individual results for a specific analyte
- U - Indicates that the analyte was not detected
- J - Indicates an estimated value between the MDL and PQL

Note: This cover letter and the attached Chain-of-Custody document is included as part of the Analytical Report and must be retained as a permanent record thereof.

Raymond J. Martrano
Laboratory Manager

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Certificate of Analysis

August 1, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9693983001**
Received: 07/17/07 16:30
Discard: 08/15/07

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
PO#: 07214
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**
COC Number:

Sample ID: **A-1-SS1[6]**
Matrix: Solid
Date Collected: 07/17/07 13:45
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS								
Acetone	ND	ug/kg	23.4	8260/5035	07/19/07 02:25	07/17/07	ECR	B
Benzene	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
Bromochloromethane	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
Bromodichloromethane	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
Bromoform	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
Bromomethane	ND	ug/kg	3.8	8260/5035	07/19/07 02:25	07/17/07	ECR	B
2-Butanone	ND	ug/kg	9.4	8260/5035	07/19/07 02:25	07/17/07	ECR	B
Carbon Disulfide	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
Carbon Tetrachloride	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
Chlorobenzene	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
Chlorodibromomethane	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
Chloroethane	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
Chloroform	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
Chloromethane	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
1,2-Dibromo-3-chloropropane	ND	ug/kg	3.8	8260/5035	07/19/07 02:25	07/17/07	ECR	B
1,2-Dibromoethane	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
1,1-Dichloroethane	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
1,2-Dichloroethane	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
1,1-Dichloroethene	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
cis-1,2-Dichloroethene	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B

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PO#: 07214
COC Number:

Sample ID: **A-1-SS1[6]**
Date Collected: 07/17/07 13:45

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS (continued)								
trans-1,2-Dichloroethene	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
1,2-Dichloropropane	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
cis-1,3-Dichloropropene	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
ıs-1,3-Dichloropropene	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
..ylbenzene	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
2-Hexanone	ND	ug/kg	9.4	8260/5035	07/19/07 02:25	07/17/07	ECR	B
4-Methyl-2-Pentanone(MIBK)	ND	ug/kg	9.4	8260/5035	07/19/07 02:25	07/17/07	ECR	B
Methylene Chloride	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
Styrene	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
1,1,2,2-Tetrachloroethane	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
Tetrachloroethene	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
Toluene	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
Total Xylenes	ND	ug/kg	5.6	8260/5035	07/19/07 02:25	07/17/07	ECR	B
1,1,1-Trichloroethane	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
1,1,2-Trichloroethane	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
Trichloroethene	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
Vinyl Chloride	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
o-Xylene	ND	ug/kg	1.9	8260/5035	07/19/07 02:25	07/17/07	ECR	B
mp-Xylene	ND	ug/kg	3.8	8260/5035	07/19/07 02:25	07/17/07	ECR	B

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Certificate of Analysis

August 1, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9693983001**
Received: 07/17/07 16:30
Discard: 08/15/07
Page: 4 Of 76

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A-1-SS1[6]**
Date Collected: 07/17/07 13:45

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES								
Acenaphthene	ND	ug/kg	143	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
Acenaphthylene	315	ug/kg	143	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
Anthracene	ND	ug/kg	143	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
Benzo(a)anthracene	528	ug/kg	143	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
Benzo(a)pyrene	893	ug/kg	143	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
Benzo(b)fluoranthene	766	ug/kg	143	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
Benzo(g,h,i)perylene	609	ug/kg	143	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
Benzo(k)fluoranthene	806	ug/kg	143	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
4-Bromophenyl-phenylether	ND	ug/kg	205	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
Butylbenzylphthalate	ND	ug/kg	205	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
Carbazole	ND	ug/kg	205	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
4-Chloro-3-methylphenol	ND	ug/kg	552	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
4-Chloroaniline	ND	ug/kg	552	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
Bis(2-Chloroethoxy)methane	ND	ug/kg	205	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
Bis(2-Chloroethyl)ether	ND	ug/kg	205	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
bis(2-Chloroisopropyl)ether	ND	ug/kg	205	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
2-Chloronaphthalene	ND	ug/kg	205	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
2-Chlorophenol	ND	ug/kg	552	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
4-Chlorophenyl-phenylether	ND	ug/kg	205	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
Chrysene	647	ug/kg	143	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2

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Lab ID #: **9693983001**
Received: 07/17/07 16:30
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Page: 5 Of 76

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A-1-SS1[6]**
Date Collected: 07/17/07 13:45

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
mp-Cresol	ND	ug/kg	552	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
o-Cresol	ND	ug/kg	552	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
Di-n-Butylphthalate	ND	ug/kg	205	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
Di-n-Octylphthalate	ND	ug/kg	552	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
enzo(a,h)anthracene	190	ug/kg	143	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
Dibenzofuran	ND	ug/kg	205	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
1,2-Dichlorobenzene	ND	ug/kg	205	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
1,3-Dichlorobenzene	ND	ug/kg	205	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
1,4-Dichlorobenzene	ND	ug/kg	205	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
3,3-Dichlorobenzidine	ND	ug/kg	205	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
2,4-Dichlorophenol	ND	ug/kg	552	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
Diethylphthalate	ND	ug/kg	205	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
2,4-Dimethylphenol	ND	ug/kg	552	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
Dimethylphthalate	ND	ug/kg	205	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
2,4-Dinitrophenol	ND	ug/kg	1100	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
2,4-Dinitrotoluene	ND	ug/kg	205	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
2,6-Dinitrotoluene	ND	ug/kg	205	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
bis(2-Ethylhexyl)phthalate	ND	ug/kg	205	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
Fluoranthene	709	ug/kg	143	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
Fluorene	ND	ug/kg	143	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2

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Lab ID #: **9693983001**
Received: 07/17/07 16:30
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Page: 6 Of 76

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A-1-SS1[6]**
Date Collected: 07/17/07 13:45

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Hexachlorobenzene	ND	ug/kg	205	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
Hexachlorobutadiene	ND	ug/kg	205	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
Hexachlorocyclopentadiene	ND	ug/kg	552	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
Hexachloroethane	ND	ug/kg	205	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
Indeno(1,2,3-cd)pyrene	668	ug/kg	143	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
Isophorone	ND	ug/kg	205	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
2-Methyl-4,6-dinitrophenol	ND	ug/kg	552	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
2-Methylnaphthalene	ND	ug/kg	143	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
Naphthalene	ND	ug/kg	143	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
2-Nitroaniline	ND	ug/kg	205	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
3-Nitroaniline	ND	ug/kg	552	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
4-Nitroaniline	ND	ug/kg	552	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
Nitrobenzene	ND	ug/kg	205	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
2-Nitrophenol	ND	ug/kg	552	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
4-Nitrophenol	ND	ug/kg	1100	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
N-Nitroso-di-n-propylamine	ND	ug/kg	205	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
N-Nitrosodiphenylamine	ND	ug/kg	205	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
Pentachlorophenol	ND	ug/kg	1100	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
Phenanthrene	173	ug/kg	143	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
Phenol	ND	ug/kg	552	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2

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Certificate of Analysis

August 1, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9693983001**
Received: 07/17/07 16:30
Discard: 08/15/07

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A-1-SS1[6]**
Date Collected: 07/17/07 13:45

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Pyrene	810	ug/kg	143	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
1,2,4-Trichlorobenzene	ND	ug/kg	205	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
2,4,5-Trichlorophenol	ND	ug/kg	552	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
2,4,6-Trichlorophenol	ND	ug/kg	552	SW846 8270C	07/31/07 10:30	07/24/07	DRS	D2
PCB'S								
Aroclor-1016	ND	mg/kg	0.034	SW846 8082	07/24/07 06:59	07/20/07	JJH	D1
Aroclor-1221	ND	mg/kg	0.034	SW846 8082	07/24/07 06:59	07/20/07	JJH	D1
Aroclor-1232	ND	mg/kg	0.034	SW846 8082	07/24/07 06:59	07/20/07	JJH	D1
Aroclor-1242	ND	mg/kg	0.034	SW846 8082	07/24/07 06:59	07/20/07	JJH	D1
Aroclor-1248	ND	mg/kg	0.034	SW846 8082	07/24/07 06:59	07/20/07	JJH	D1
Aroclor-1254	ND	mg/kg	0.034	SW846 8082	07/24/07 06:59	07/20/07	JJH	D1
Aroclor-1260	ND	mg/kg	0.034	SW846 8082	07/24/07 06:59	07/20/07	JJH	D1
WET CHEMISTRY								
Moisture	2.9	%	0.1	SM20-2540 G	07/18/07 05:15	07/18/07	KMW	D
Total Solids	97.1	%	0.1	SM20-2540 G	07/18/07 05:15	07/18/07	KMW	D

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PO#: 07214
COC Number:

Sample ID: **A-1-SS1[6]**
Date Collected: 07/17/07 13:45

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
METALS								
Arsenic, Total	ND	mg/kg	24	SW846 6010B	07/27/07 13:29	07/25/07	JWK	D
Barium, Total	12	mg/kg	9	SW846 6010B	07/27/07 13:29	07/25/07	JWK	D
Cadmium, Total	ND	mg/kg	4.7	SW846 6010B	07/27/07 13:29	07/25/07	JWK	D
Chromium, Total	ND	mg/kg	9.4	SW846 6010B	07/27/07 13:29	07/25/07	JWK	D
Lead, Total	55	mg/kg	9	SW846 6010B	07/27/07 13:29	07/25/07	JWK	D
Mercury, Total	ND	mg/kg	0.19	SW846 7471B	07/29/07 20:52	07/27/07	AGM	D3
Selenium, Total [1]	ND	mg/kg	47	SW846 6010B	07/27/07 13:29	07/25/07	JWK	D
Silver, Total	ND	mg/kg	4.7	SW846 6010B	07/27/07 13:29	07/25/07	JWK	D

Surrogates	Result	Units	Recovery	Limits
2,4,6-Tribromophenol	2150	ug/kg	65.0%	(24 - 130)
1,2-Dichloroethane-d4	23.7	ug/kg	87.0%	(56 - 124)
Dibromofluoromethane	23.6	ug/kg	86.0%	(62 - 123)
Toluene-d8	25	ug/kg	92.0%	(59 - 131)
Decachlorobiphenyl	.084	mg/kg	101.0%	(30 - 150)
2-Fluorobiphenyl	1080	ug/kg	65.0%	(40 - 113)
2-Fluorophenol	2000	ug/kg	60.0%	(25 - 110)
Nitrobenzene-d5	1030	ug/kg	62.0%	(36 - 113)
Phenol-d5	2180	ug/kg	66.0%	(28 - 111)
4-Bromofluorobenzene	26.3	ug/kg	96.0%	(51 - 128)

1 - The recovery of the Matrix Spike (MS) associated to this analyte was outside of the established control limits. The sample was post-digestion spiked, and this matrix spike was within acceptable recovery limits.

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Lab ID #: **9693983001**
Received: 07/17/07 16:30
Discard: 08/15/07
Page: 9 Of 76

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A-1-SS1[6]**
Date Collected: 07/17/07 13:45

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Surrogates (continued)	**Result**	**Units**	**Recovery**	**Limits**
Tetrachloro-m-xylene	.092	mg/kg	111.0%	(30 - 136)
Terphenyl-d14	1120	ug/kg	68.0%	(35 - 135)

Comments:

One or more of the method 8260 internal standards were recovered outside of the control limits. The
ɔle was re-analyzed with similar results, indicating a significant matrix interference.

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Raymond J. Martrano
Laboratory Manager

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Lab ID #: **9693983002**
Received: 07/17/07 16:30
Discard: 08/15/07
Page: 10 Of 76

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A-1-SS2[6]**
Date Collected: 07/17/07 14:15

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS								
Acetone	33.0	ug/kg	20.5	8260/5035	07/19/07 02:56	07/17/07	ECR	B
Benzene	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
Bromochloromethane	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
Bromodichloromethane	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
Bromoform	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
Bromomethane	ND	ug/kg	3.3	8260/5035	07/19/07 02:56	07/17/07	ECR	B
2-Butanone	12.5	ug/kg	8.2	8260/5035	07/19/07 02:56	07/17/07	ECR	B
Carbon Disulfide	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
Carbon Tetrachloride	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
Chlorobenzene	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
Chlorodibromomethane	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
Chloroethane	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
Chloroform	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
Chloromethane	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
1,2-Dibromo-3-chloropropane	ND	ug/kg	3.3	8260/5035	07/19/07 02:56	07/17/07	ECR	B
1,2-Dibromoethane	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
1,1-Dichloroethane	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
1,2-Dichloroethane	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
1,1-Dichloroethene	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
cis-1,2-Dichloroethene	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B

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Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **A-1-SS2[6]**
Date Collected: 07/17/07 14:15

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS (continued)								
trans-1,2-Dichloroethene	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
1,2-Dichloropropane	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
cis-1,3-Dichloropropene	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
trans-1,3-Dichloropropene	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
Ethylbenzene	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
2-Hexanone	ND	ug/kg	8.2	8260/5035	07/19/07 02:56	07/17/07	ECR	B
4-Methyl-2-Pentanone(MIBK)	ND	ug/kg	8.2	8260/5035	07/19/07 02:56	07/17/07	ECR	B
Methylene Chloride	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
Styrene	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
1,1,2,2-Tetrachloroethane	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
Tetrachloroethene	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
Toluene	15.4	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
Total Xylenes	ND	ug/kg	4.9	8260/5035	07/19/07 02:56	07/17/07	ECR	B
1,1,1-Trichloroethane	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
1,1,2-Trichloroethane	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
Trichloroethene	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
Vinyl Chloride	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
o-Xylene	ND	ug/kg	1.6	8260/5035	07/19/07 02:56	07/17/07	ECR	B
mp-Xylene	ND	ug/kg	3.3	8260/5035	07/19/07 02:56	07/17/07	ECR	B

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Page: 12 Of 76

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
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PO#: 07214
COC Number:

Sample ID: **A-1-SS2[6]**
Date Collected: 07/17/07 14:15

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES								
Acenaphthene	ND	ug/kg	71	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
Acenaphthylene	71	ug/kg	71	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
Anthracene	ND	ug/kg	71	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
Benzo(a)anthracene	142	ug/kg	71	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
Benzo(a)pyrene	236	ug/kg	71	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
Benzo(b)fluoranthene	241	ug/kg	71	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
Benzo(g,h,i)perylene	77	ug/kg	71	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
Benzo(k)fluoranthene	285	ug/kg	71	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
4-Bromophenyl-phenylether	ND	ug/kg	101	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
Butylbenzylphthalate	ND	ug/kg	101	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
Carbazole	ND	ug/kg	101	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
4-Chloro-3-methylphenol	ND	ug/kg	273	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
4-Chloroaniline	ND	ug/kg	273	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
Bis(2-Chloroethoxy)methane	ND	ug/kg	101	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
Bis(2-Chloroethyl)ether	ND	ug/kg	101	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
bis(2-Chloroisopropyl)ether	ND	ug/kg	101	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
2-Chloronaphthalene	ND	ug/kg	101	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
2-Chlorophenol	ND	ug/kg	273	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
4-Chlorophenyl-phenylether	ND	ug/kg	101	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
Chrysene	210	ug/kg	71	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2

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PO#: 07214
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Date Collected: 07/17/07 14:15

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
mp-Cresol	ND	ug/kg	273	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
o-Cresol	ND	ug/kg	273	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
Di-n-Butylphthalate	ND	ug/kg	101	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
-Octylphthalate	ND	ug/kg	273	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
Dibenzo(a,h)anthracene	ND	ug/kg	71	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
Dibenzofuran	ND	ug/kg	101	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
1,2-Dichlorobenzene	ND	ug/kg	101	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
1,3-Dichlorobenzene	ND	ug/kg	101	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
1,4-Dichlorobenzene	ND	ug/kg	101	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
3,3-Dichlorobenzidine	ND	ug/kg	101	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
2,4-Dichlorophenol	ND	ug/kg	273	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
Diethylphthalate	ND	ug/kg	101	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
2,4-Dimethylphenol	ND	ug/kg	273	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
Dimethylphthalate	ND	ug/kg	101	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
2,4-Dinitrophenol	ND	ug/kg	545	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
2,4-Dinitrotoluene	ND	ug/kg	101	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
2,6-Dinitrotoluene	ND	ug/kg	101	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
bis(2-Ethylhexyl)phthalate	ND	ug/kg	101	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
Fluoranthene	253	ug/kg	71	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
Fluorene	ND	ug/kg	71	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2

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Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Hexachlorobenzene	ND	ug/kg	101	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
Hexachlorobutadiene	ND	ug/kg	101	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
Hexachlorocyclopentadiene	ND	ug/kg	273	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
Hexachloroethane	ND	ug/kg	101	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
Indeno(1,2,3-cd)pyrene	108	ug/kg	71	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
Isophorone	ND	ug/kg	101	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
2-Methyl-4,6-dinitrophenol	ND	ug/kg	273	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
2-Methylnaphthalene	ND	ug/kg	71	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
Naphthalene	ND	ug/kg	71	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
2-Nitroaniline	ND	ug/kg	101	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
3-Nitroaniline	ND	ug/kg	273	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
4-Nitroaniline	ND	ug/kg	273	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
Nitrobenzene	ND	ug/kg	101	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
2-Nitrophenol	ND	ug/kg	273	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
4-Nitrophenol	ND	ug/kg	545	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
N-Nitroso-di-n-propylamine	ND	ug/kg	101	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
N-Nitrosodiphenylamine	ND	ug/kg	101	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
Pentachlorophenol	ND	ug/kg	545	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
Phenanthrene	85	ug/kg	71	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
Phenol	ND	ug/kg	273	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2

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Certificate of Analysis

August 1, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9693983002**
Received: 07/17/07 16:30
Discard: 08/15/07
Page: 15 Of 76
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **A-1-SS2[6]**
Date Collected: 07/17/07 14:15

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Pyrene	254	ug/kg	71	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
1,2,4-Trichlorobenzene	ND	ug/kg	101	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
2,4,5-Trichlorophenol	ND	ug/kg	273	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
6-Trichlorophenol	ND	ug/kg	273	SW846 8270C	07/28/07 10:59	07/24/07	TTR	D2
PCB'S								
Aroclor-1016	ND	mg/kg	0.034	SW846 8082	07/24/07 07:30	07/20/07	JJH	D1
Aroclor-1221	ND	mg/kg	0.034	SW846 8082	07/24/07 07:30	07/20/07	JJH	D1
Aroclor-1232	ND	mg/kg	0.034	SW846 8082	07/24/07 07:30	07/20/07	JJH	D1
Aroclor-1242	ND	mg/kg	0.034	SW846 8082	07/24/07 07:30	07/20/07	JJH	D1
Aroclor-1248	ND	mg/kg	0.034	SW846 8082	07/24/07 07:30	07/20/07	JJH	D1
Aroclor-1254	ND	mg/kg	0.034	SW846 8082	07/24/07 07:30	07/20/07	JJH	D1
Aroclor-1260	ND	mg/kg	0.034	SW846 8082	07/24/07 07:30	07/20/07	JJH	D1
WET CHEMISTRY								
Moisture	3.6	%	0.1	SM20-2540 G	07/18/07 05:15	07/18/07	KMW	D
Total Solids	96.4	%	0.1	SM20-2540 G	07/18/07 05:15	07/18/07	KMW	D

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Page: 16 Of 76

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A-1-SS2[6]**
Date Collected: 07/17/07 14:15

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
METALS								
Arsenic, Total	ND	mg/kg	26	SW846 6010B	07/27/07 13:46	07/25/07	JWK	D
Barium, Total	39	mg/kg	10	SW846 6010B	07/27/07 13:46	07/25/07	JWK	D
Cadmium, Total	ND	mg/kg	5.1	SW846 6010B	07/27/07 13:46	07/25/07	JWK	D
Chromium, Total	ND	mg/kg	10.3	SW846 6010B	07/27/07 13:46	07/25/07	JWK	D
Lead, Total	42	mg/kg	10	SW846 6010B	07/27/07 13:46	07/25/07	JWK	D
Mercury, Total	ND	mg/kg	0.19	SW846 7471B	07/29/07 20:56	07/27/07	AGM	D5
Selenium, Total	ND	mg/kg	51	SW846 6010B	07/27/07 13:46	07/25/07	JWK	D
Silver, Total	ND	mg/kg	5.1	SW846 6010B	07/27/07 13:46	07/25/07	JWK	D

Surrogates	Result	Units	Recovery	Limits
2,4,6-Tribromophenol	2020	ug/kg	62.0%	(24 - 130)
1,2-Dichloroethane-d4	20.3	ug/kg	85.0%	(56 - 124)
Dibromofluoromethane	20.3	ug/kg	86.0%	(62 - 123)
Toluene-d8	22.5	ug/kg	95.0%	(59 - 131)
Decachlorobiphenyl	.074	mg/kg	90.0%	(30 - 150)
2-Fluorobiphenyl	966	ug/kg	59.0%	(40 - 113)
2-Fluorophenol	1870	ug/kg	58.0%	(25 - 110)
Nitrobenzene-d5	984	ug/kg	61.0%	(36 - 113)
Phenol-d5	2060	ug/kg	63.0%	(28 - 111)
4-Bromofluorobenzene	25.2	ug/kg	106.0%	(51 - 128)

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Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **A-1-SS2[6]**
Date Collected: 07/17/07 14:15

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Surrogates (continued)	**Result**	**Units**	**Recovery**	**Limits**
Tetrachloro-m-xylene	.082	mg/kg	101.0%	(30 - 136)
Terphenyl-d14	997	ug/kg	61.0%	(35 - 135)

Comments:

One or more of the method 8260 internal standards were recovered outside of the control limits. The ›ple was re-analyzed with similar results, indicating a significant matrix interference.

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Raymond J. Martrano
Laboratory Manager

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Page: 18 Of 76

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A-1-SS3[6]**
Date Collected: 07/17/07 14:30

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS								
Acetone	ND	ug/kg	29.8	8260/5035	07/19/07 03:27	07/17/07	ECR	B
Benzene	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
Bromochloromethane	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
Bromodichloromethane	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
Bromoform	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
Bromomethane	ND	ug/kg	4.8	8260/5035	07/19/07 03:27	07/17/07	ECR	B
2-Butanone	ND	ug/kg	11.9	8260/5035	07/19/07 03:27	07/17/07	ECR	B
Carbon Disulfide	4.2	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
Carbon Tetrachloride	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
Chlorobenzene	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
Chlorodibromomethane	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
Chloroethane	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
Chloroform	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
Chloromethane	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.8	8260/5035	07/19/07 03:27	07/17/07	ECR	B
1,2-Dibromoethane	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
1,1-Dichloroethane	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
1,2-Dichloroethane	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
1,1-Dichloroethene	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
cis-1,2-Dichloroethene	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B

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PO#: 07214
COC Number:

Sample ID: **A-1-SS3[6]**
Date Collected: 07/17/07 14:30

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS (continued)								
trans-1,2-Dichloroethene	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
1,2-Dichloropropane	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
cis-1,3-Dichloropropene	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
t s-1,3-Dichloropropene	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
E lbenzene	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
2-Hexanone	ND	ug/kg	11.9	8260/5035	07/19/07 03:27	07/17/07	ECR	B
4-Methyl-2-Pentanone(MIBK)	ND	ug/kg	11.9	8260/5035	07/19/07 03:27	07/17/07	ECR	B
Methylene Chloride	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
Styrene	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
Tetrachloroethene	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
Toluene	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
Total Xylenes	ND	ug/kg	7.2	8260/5035	07/19/07 03:27	07/17/07	ECR	B
1,1,1-Trichloroethane	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
1,1,2-Trichloroethane	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
Trichloroethene	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
Vinyl Chloride	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
o-Xylene	ND	ug/kg	2.4	8260/5035	07/19/07 03:27	07/17/07	ECR	B
mp-Xylene	ND	ug/kg	4.8	8260/5035	07/19/07 03:27	07/17/07	ECR	B

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Page: 20 Of 76

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A-1-SS3[6]**
Date Collected: 07/17/07 14:30

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES								
Acenaphthene	ND	ug/kg	76	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
Acenaphthylene	ND	ug/kg	76	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
Anthracene	ND	ug/kg	76	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
Benzo(a)anthracene	114	ug/kg	76	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
Benzo(a)pyrene	163	ug/kg	76	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
Benzo(b)fluoranthene	246	ug/kg	76	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
Benzo(g,h,i)perylene	95	ug/kg	76	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
Benzo(k)fluoranthene	252	ug/kg	76	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
4-Bromophenyl-phenylether	ND	ug/kg	108	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
Butylbenzylphthalate	ND	ug/kg	108	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
Carbazole	ND	ug/kg	108	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
4-Chloro-3-methylphenol	ND	ug/kg	292	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
4-Chloroaniline	ND	ug/kg	292	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
Bis(2-Chloroethoxy)methane	ND	ug/kg	108	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
Bis(2-Chloroethyl)ether	ND	ug/kg	108	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
bis(2-Chloroisopropyl)ether	ND	ug/kg	108	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
2-Chloronaphthalene	ND	ug/kg	108	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
2-Chlorophenol	ND	ug/kg	292	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
4-Chlorophenyl-phenylether	ND	ug/kg	108	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
Chrysene	196	ug/kg	76	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3

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Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
mp-Cresol	ND	ug/kg	292	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
o-Cresol	ND	ug/kg	292	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
Di-n-Butylphthalate	ND	ug/kg	108	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
[illegible] n-Octylphthalate	ND	ug/kg	292	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
[illegible]enzo(a,h)anthracene	ND	ug/kg	76	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
Dibenzofuran	ND	ug/kg	108	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
1,2-Dichlorobenzene	ND	ug/kg	108	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
1,3-Dichlorobenzene	ND	ug/kg	108	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
1,4-Dichlorobenzene	ND	ug/kg	108	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
3,3-Dichlorobenzidine	ND	ug/kg	108	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
2,4-Dichlorophenol	ND	ug/kg	292	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
Diethylphthalate	ND	ug/kg	108	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
2,4-Dimethylphenol	ND	ug/kg	292	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
Dimethylphthalate	ND	ug/kg	108	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
2,4-Dinitrophenol	ND	ug/kg	583	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
2,4-Dinitrotoluene	ND	ug/kg	108	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
2,6-Dinitrotoluene	ND	ug/kg	108	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
bis(2-Ethylhexyl)phthalate	ND	ug/kg	108	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
Fluoranthene	155	ug/kg	76	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
Fluorene	ND	ug/kg	76	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3

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Project Name: **YORK RDA - NORTHWEST TRIANGLE**
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COC Number:

Sample ID: **A-1-SS3[6]**
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Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Hexachlorobenzene	ND	ug/kg	108	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
Hexachlorobutadiene	ND	ug/kg	108	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
Hexachlorocyclopentadiene	ND	ug/kg	292	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
Hexachloroethane	ND	ug/kg	108	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
Indeno(1,2,3-cd)pyrene	128	ug/kg	76	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
Isophorone	ND	ug/kg	108	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
2-Methyl-4,6-dinitrophenol	ND	ug/kg	292	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
2-Methylnaphthalene	ND	ug/kg	76	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
Naphthalene	ND	ug/kg	76	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
2-Nitroaniline	ND	ug/kg	108	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
3-Nitroaniline	ND	ug/kg	292	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
4-Nitroaniline	ND	ug/kg	292	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
Nitrobenzene	ND	ug/kg	108	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
2-Nitrophenol	ND	ug/kg	292	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
4-Nitrophenol	ND	ug/kg	583	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
N-Nitroso-di-n-propylamine	ND	ug/kg	108	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
N-Nitrosodiphenylamine	ND	ug/kg	108	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
Pentachlorophenol	ND	ug/kg	583	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
Phenanthrene	ND	ug/kg	76	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
Phenol	ND	ug/kg	292	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3

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Certificate of Analysis

August 1, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9693983003**
Received: 07/17/07 16:30
Discard: 08/15/07
Page: 23 Of 76
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **A-1-SS3[6]**
Date Collected: 07/17/07 14:30

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Pyrene	152	ug/kg	76	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
1,2,4-Trichlorobenzene	ND	ug/kg	108	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
2,4,5-Trichlorophenol	ND	ug/kg	292	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
[illegible] 6-Trichlorophenol	ND	ug/kg	292	SW846 8270C	07/28/07 13:27	07/24/07	TTR	D3
PCB'S								
Aroclor-1016	ND	mg/kg	0.036	SW846 8082	07/24/07 08:31	07/20/07	JJH	D1
Aroclor-1221	ND	mg/kg	0.036	SW846 8082	07/24/07 08:31	07/20/07	JJH	D1
Aroclor-1232	ND	mg/kg	0.036	SW846 8082	07/24/07 08:31	07/20/07	JJH	D1
Aroclor-1242	ND	mg/kg	0.036	SW846 8082	07/24/07 08:31	07/20/07	JJH	D1
Aroclor-1248	ND	mg/kg	0.036	SW846 8082	07/24/07 08:31	07/20/07	JJH	D1
Aroclor-1254	ND	mg/kg	0.036	SW846 8082	07/24/07 08:31	07/20/07	JJH	D1
Aroclor-1260	ND	mg/kg	0.036	SW846 8082	07/24/07 08:31	07/20/07	JJH	D1
HERBICIDES								
2,4-D	ND	ug/kg	16	SW846 8151A	07/25/07 21:14	07/23/07	KJH	D2
2,4-DB	ND	ug/kg	16	SW846 8151A	07/25/07 21:14	07/23/07	KJH	D2
Dalapon	ND	ug/kg	48	SW846 8151A	07/25/07 21:14	07/23/07	KJH	D2
Dicamba	ND	ug/kg	16	SW846 8151A	07/25/07 21:14	07/23/07	KJH	D2
Dichloroprop	ND	ug/kg	16	SW846 8151A	07/25/07 21:14	07/23/07	KJH	D2

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Hershey, PA 17033

Lab ID #: **9693983003**
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Discard: 08/15/07

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A-1-SS3[6]**
Date Collected: 07/17/07 14:30

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
HERBICIDES (continued)								
Dinoseb	ND	ug/kg	32	SW846 8151A	07/25/07 21:14	07/23/07	KJH	D2
MCPA	ND	ug/kg	5300	SW846 8151A	07/25/07 21:14	07/23/07	KJH	D2
MCPP	ND	ug/kg	5300	SW846 8151A	07/25/07 21:14	07/23/07	KJH	D2
4-Nitrophenol	ND	ug/kg	32	SW846 8151A	07/25/07 21:14	07/23/07	KJH	D2
Pentachlorophenol	ND	ug/kg	16	SW846 8151A	07/25/07 21:14	07/23/07	KJH	D2
2,4,5-T	ND	ug/kg	16	SW846 8151A	07/25/07 21:14	07/23/07	KJH	D2
2,4,5-TP	ND	ug/kg	16	SW846 8151A	07/25/07 21:14	07/23/07	KJH	D2
WET CHEMISTRY								
Moisture	8.0	%	0.1	SM20-2540 G	07/18/07 05:15	07/18/07	KMW	D
Total Solids	92.0	%	0.1	SM20-2540 G	07/18/07 05:15	07/18/07	KMW	D
METALS								
Arsenic, Total	ND	mg/kg	13	SW846 6010B	07/27/07 13:52	07/25/07	JWK	D
Barium, Total	1110	mg/kg	1	SW846 6010B	07/26/07 16:48	07/25/07	JWK	D
Cadmium, Total	1.1	mg/kg	0.5	SW846 6010B	07/26/07 16:48	07/25/07	JWK	D
Chromium, Total	18.4	mg/kg	1.0	SW846 6010B	07/26/07 16:48	07/25/07	JWK	D
Lead, Total	ND	mg/kg	1	SW846 6010B	07/26/07 16:48	07/25/07	JWK	D
Mercury, Total	ND	mg/kg	0.20	SW846 7471B	07/29/07 21:11	07/27/07	AGM	D4
Selenium, Total	ND	mg/kg	26	SW846 6010B	07/27/07 13:52	07/25/07	JWK	D

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Page: 25 Of 76
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **A-1-SS3[6]**
Date Collected: 07/17/07 14:30

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
METALS (continued)								
Silver, Total	ND	mg/kg	2.6	SW846 6010B	07/27/07 13:52	07/25/07	JWK	D

Surrogates	Result	Units	Recovery	Limits
2,4,6-Tribromophenol	1590	ug/kg	48.0%	(24 - 130)
Dichloroethane-d4	28.8	ug/kg	88.0%	(56 - 124)
[illegible]romofluoromethane	29.1	ug/kg	88.0%	(62 - 123)
2,4-Dichlorophenylacetic acid	133	ug/kg	81.0%	(52 - 148)
Toluene-d8	30.2	ug/kg	92.0%	(59 - 131)
Decachlorobiphenyl	.05	mg/kg	60.0%	(30 - 150)
2-Fluorobiphenyl	778	ug/kg	47.0%	(40 - 113)
2-Fluorophenol	1520	ug/kg	46.0%	(25 - 110)
Nitrobenzene-d5	775	ug/kg	47.0%	(36 - 113)
Phenol-d5	1710	ug/kg	52.0%	(28 - 111)
4-Bromofluorobenzene	27.6	ug/kg	84.0%	(51 - 128)
Tetrachloro-m-xylene	.057	mg/kg	69.0%	(30 - 136)
Terphenyl-d14	887	ug/kg	54.0%	(35 - 135)

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Raymond J. Martrano
Laboratory Manager

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Page: 26 Of 76

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A-2-SS1[6]**
Date Collected: 07/17/07 14:40

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS								
Acetone	20.6	ug/kg	20.5	8260/5035	07/19/07 03:58	07/17/07	ECR	B
Benzene	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
Bromochloromethane	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
Bromodichloromethane	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
Bromoform	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
Bromomethane	ND	ug/kg	3.3	8260/5035	07/19/07 03:58	07/17/07	ECR	B
2-Butanone	ND	ug/kg	8.2	8260/5035	07/19/07 03:58	07/17/07	ECR	B
Carbon Disulfide	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
Carbon Tetrachloride	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
Chlorobenzene	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
Chlorodibromomethane	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
Chloroethane	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
Chloroform	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
Chloromethane	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
1,2-Dibromo-3-chloropropane	ND	ug/kg	3.3	8260/5035	07/19/07 03:58	07/17/07	ECR	B
1,2-Dibromoethane	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
1,1-Dichloroethane	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
1,2-Dichloroethane	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
1,1-Dichloroethene	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
cis-1,2-Dichloroethene	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B

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Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **A-2-SS1[6]**
Date Collected: 07/17/07 14:40

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS (continued)								
trans-1,2-Dichloroethene	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
1,2-Dichloropropane	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
cis-1,3-Dichloropropene	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
ns-1,3-Dichloropropene	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
ylbenzene	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
2-Hexanone	ND	ug/kg	8.2	8260/5035	07/19/07 03:58	07/17/07	ECR	B
4-Methyl-2-Pentanone (MIBK)	ND	ug/kg	8.2	8260/5035	07/19/07 03:58	07/17/07	ECR	B
Methylene Chloride	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
Styrene	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
1,1,2,2-Tetrachloroethane	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
Tetrachloroethene	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
Toluene	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
Total Xylenes	ND	ug/kg	4.9	8260/5035	07/19/07 03:58	07/17/07	ECR	B
1,1,1-Trichloroethane	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
1,1,2-Trichloroethane	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
Trichloroethene	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
Vinyl Chloride	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
o-Xylene	ND	ug/kg	1.6	8260/5035	07/19/07 03:58	07/17/07	ECR	B
mp-Xylene	ND	ug/kg	3.3	8260/5035	07/19/07 03:58	07/17/07	ECR	B

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COC Number:

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Matrix: Solid
Date Collected: 07/17/07 14:40
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES								
Acenaphthene	ND	ug/kg	293	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
Acenaphthylene	1280	ug/kg	293	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
Anthracene	524	ug/kg	293	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
Benzo(a)anthracene	2830	ug/kg	293	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
Benzo(a)pyrene	2930	ug/kg	293	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
Benzo(b)fluoranthene	3110	ug/kg	293	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
Benzo(g,h,i)perylene	1960	ug/kg	293	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
Benzo(k)fluoranthene	3460	ug/kg	293	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
4-Bromophenyl-phenylether	ND	ug/kg	418	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
Butylbenzylphthalate	ND	ug/kg	418	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
Carbazole	ND	ug/kg	418	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
4-Chloro-3-methylphenol	ND	ug/kg	1130	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
4-Chloroaniline	ND	ug/kg	1130	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
Bis(2-Chloroethoxy)methane	ND	ug/kg	418	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
Bis(2-Chloroethyl)ether	ND	ug/kg	418	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
bis(2-Chloroisopropyl)ether	ND	ug/kg	418	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
2-Chloronaphthalene	ND	ug/kg	418	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
2-Chlorophenol	ND	ug/kg	1130	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
4-Chlorophenyl-phenylether	ND	ug/kg	418	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
Chrysene	2940	ug/kg	293	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2

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Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
mp-Cresol	ND	ug/kg	1130	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
o-Cresol	ND	ug/kg	1130	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
Di-n-Butylphthalate	ND	ug/kg	418	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
[illegible]-n-Octylphthalate	ND	ug/kg	1130	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
[illegible]enzo(a,h)anthracene	651	ug/kg	293	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
Dibenzofuran	ND	ug/kg	418	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
1,2-Dichlorobenzene	ND	ug/kg	418	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
1,3-Dichlorobenzene	ND	ug/kg	418	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
1,4-Dichlorobenzene	ND	ug/kg	418	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
3,3-Dichlorobenzidine	ND	ug/kg	418	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
2,4-Dichlorophenol	ND	ug/kg	1130	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
Diethylphthalate	ND	ug/kg	418	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
2,4-Dimethylphenol	ND	ug/kg	1130	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
Dimethylphthalate	ND	ug/kg	418	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
2,4-Dinitrophenol	ND	ug/kg	2260	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
2,4-Dinitrotoluene	ND	ug/kg	418	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
2,6-Dinitrotoluene	ND	ug/kg	418	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
bis(2-Ethylhexyl)phthalate	ND	ug/kg	418	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
Fluoranthene	4240	ug/kg	293	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
Fluorene	ND	ug/kg	293	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2

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Certificate of Analysis

August 1, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9693983004**
Received: 07/17/07 16:30
Discard: 08/15/07

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A-2-SS1[6]**
Date Collected: 07/17/07 14:40

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Hexachlorobenzene	ND	ug/kg	418	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
Hexachlorobutadiene	ND	ug/kg	418	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
Hexachlorocyclopentadiene	ND	ug/kg	1130	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
Hexachloroethane	ND	ug/kg	418	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
Indeno(1,2,3-cd)pyrene	2300	ug/kg	293	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
Isophorone	ND	ug/kg	418	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
2-Methyl-4,6-dinitrophenol	ND	ug/kg	1130	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
2-Methylnaphthalene	ND	ug/kg	293	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
Naphthalene	ND	ug/kg	293	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
2-Nitroaniline	ND	ug/kg	418	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
3-Nitroaniline	ND	ug/kg	1130	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
4-Nitroaniline	ND	ug/kg	1130	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
Nitrobenzene	ND	ug/kg	418	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
2-Nitrophenol	ND	ug/kg	1130	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
4-Nitrophenol	ND	ug/kg	2260	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
N-Nitroso-di-n-propylamine	ND	ug/kg	418	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
N-Nitrosodiphenylamine	ND	ug/kg	418	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
Pentachlorophenol	ND	ug/kg	2260	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
Phenanthrene	371	ug/kg	293	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
Phenol	ND	ug/kg	1130	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2

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Received: 07/17/07 16:30
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Page: 31 Of 76
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **A-2-SS1[6]**
Date Collected: 07/17/07 14:40

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Pyrene	4130	ug/kg	293	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
1,2,4-Trichlorobenzene	ND	ug/kg	418	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
2,4,5-Trichlorophenol	ND	ug/kg	1130	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
[illegible],6-Trichlorophenol	ND	ug/kg	1130	SW846 8270C	07/31/07 12:08	07/24/07	DRS	D2
PCB'S								
Aroclor-1016	ND	mg/kg	0.035	SW846 8082	07/24/07 09:03	07/20/07	JJH	D1
Aroclor-1221	ND	mg/kg	0.035	SW846 8082	07/24/07 09:03	07/20/07	JJH	D1
Aroclor-1232	ND	mg/kg	0.035	SW846 8082	07/24/07 09:03	07/20/07	JJH	D1
Aroclor-1242	ND	mg/kg	0.035	SW846 8082	07/24/07 09:03	07/20/07	JJH	D1
Aroclor-1248	ND	mg/kg	0.035	SW846 8082	07/24/07 09:03	07/20/07	JJH	D1
Aroclor-1254	ND	mg/kg	0.035	SW846 8082	07/24/07 09:03	07/20/07	JJH	D1
Aroclor-1260	ND	mg/kg	0.035	SW846 8082	07/24/07 09:03	07/20/07	JJH	D1
WET CHEMISTRY								
Moisture	5.4	%	0.1	SM20-2540 G	07/18/07 05:15	07/18/07	KMW	D
Total Solids	94.6	%	0.1	SM20-2540 G	07/18/07 05:15	07/18/07	KMW	D

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Received: 07/17/07 16:30
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Page: 32 Of 76

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A-2-SS1[6]**
Date Collected: 07/17/07 14:40

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
METALS								
Arsenic, Total	11	mg/kg	3	SW846 6010B	07/26/07 16:54	07/25/07	JWK	D
Barium, Total	543	mg/kg	1	SW846 6010B	07/26/07 16:54	07/25/07	JWK	D
Cadmium, Total	4.4	mg/kg	0.5	SW846 6010B	07/26/07 16:54	07/25/07	JWK	D
Chromium, Total	821	mg/kg	1.0	SW846 6010B	07/26/07 16:54	07/25/07	JWK	D
Lead, Total	122	mg/kg	1	SW846 6010B	07/26/07 16:54	07/25/07	JWK	D
Mercury, Total	ND	mg/kg	0.19	SW846 7471B	07/29/07 21:22	07/27/07	AGM	D3
Selenium, Total	ND	mg/kg	51	SW846 6010B	07/27/07 15:30	07/25/07	JWK	D
Silver, Total	ND	mg/kg	5.1	SW846 6010B	07/27/07 15:30	07/25/07	JWK	D

Surrogates	Result	Units	Recovery	Limits
2,4,6-Tribromophenol	2060	ug/kg	62.0%	(24 - 130)
1,2-Dichloroethane-d4	20.2	ug/kg	87.0%	(56 - 124)
Dibromofluoromethane	20.6	ug/kg	89.0%	(62 - 123)
Toluene-d8	21.3	ug/kg	91.0%	(59 - 131)
Decachlorobiphenyl	.045	mg/kg	55.0%	(30 - 150)
2-Fluorobiphenyl	1060	ug/kg	64.0%	(40 - 113)
2-Fluorophenol	1830	ug/kg	56.0%	(25 - 110)
Nitrobenzene-d5	941	ug/kg	57.0%	(36 - 113)
Phenol-d5	2080	ug/kg	63.0%	(28 - 111)
4-Bromofluorobenzene	20.4	ug/kg	88.0%	(51 - 128)

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PO#: 07214
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Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **A-2-SS1[6]**
Date Collected: 07/17/07 14:40

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Surrogates (continued)	**Result**	**Units**	**Recovery**	**Limits**
Tetrachloro-m-xylene	.053	mg/kg	64.0%	(30 - 136)
Terphenyl-d14	1210	ug/kg	73.0%	(35 - 135)

Comments:

Several compounds were recovered below quality control criteria in the 8260 matrix spike of this sample. The LCS had acceptable recoveries, satisfying method criteria.

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Raymond J. Martrano
Laboratory Manager

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Page: 34 Of 76

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A-2-SS2[6]**
Date Collected: 07/17/07 15:00

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS								
Acetone	253	ug/kg	30.7	8260/5035	07/19/07 04:28	07/17/07	ECR	B
Benzene	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
Bromochloromethane	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
Bromodichloromethane	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
Bromoform	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
Bromomethane	ND	ug/kg	4.9	8260/5035	07/19/07 04:28	07/17/07	ECR	B
2-Butanone	ND	ug/kg	12.3	8260/5035	07/19/07 04:28	07/17/07	ECR	B
Carbon Disulfide	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
Carbon Tetrachloride	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
Chlorobenzene	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
Chlorodibromomethane	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
Chloroethane	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
Chloroform	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
Chloromethane	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.9	8260/5035	07/19/07 04:28	07/17/07	ECR	B
1,2-Dibromoethane	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
1,1-Dichloroethane	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
1,2-Dichloroethane	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
1,1-Dichloroethene	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
cis-1,2-Dichloroethene	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B

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Page: 35 Of 76
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Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **A-2-SS2[6]**
Date Collected: 07/17/07 15:00

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS (continued)								
trans-1,2-Dichloroethene	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
1,2-Dichloropropane	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
cis-1,3-Dichloropropene	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
[illegible]ns-1,3-Dichloropropene	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
[illegible]lbenzene	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
2-Hexanone	ND	ug/kg	12.3	8260/5035	07/19/07 04:28	07/17/07	ECR	B
4-Methyl-2-Pentanone(MIBK)	ND	ug/kg	12.3	8260/5035	07/19/07 04:28	07/17/07	ECR	B
Methylene Chloride	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
Styrene	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
Tetrachloroethene	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
Toluene	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
Total Xylenes	ND	ug/kg	7.4	8260/5035	07/19/07 04:28	07/17/07	ECR	B
1,1,1-Trichloroethane	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
1,1,2-Trichloroethane	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
Trichloroethene	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
Vinyl Chloride	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
o-Xylene	ND	ug/kg	2.5	8260/5035	07/19/07 04:28	07/17/07	ECR	B
mp-Xylene	ND	ug/kg	4.9	8260/5035	07/19/07 04:28	07/17/07	ECR	B

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Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **A-2-SS2[6]**
Matrix: Solid
Date Collected: 07/17/07 15:00
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES								
Acenaphthene	ND	ug/kg	151	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
Acenaphthylene	378	ug/kg	151	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
Anthracene	221	ug/kg	151	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
Benzo(a)anthracene	554	ug/kg	151	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
Benzo(a)pyrene	787	ug/kg	151	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
Benzo(b)fluoranthene	1130	ug/kg	151	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
Benzo(g,h,i)perylene	593	ug/kg	151	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
Benzo(k)fluoranthene	829	ug/kg	151	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
4-Bromophenyl-phenylether	ND	ug/kg	216	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
Butylbenzylphthalate	ND	ug/kg	216	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
Carbazole	ND	ug/kg	216	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
4-Chloro-3-methylphenol	ND	ug/kg	582	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
4-Chloroaniline	ND	ug/kg	582	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
Bis(2-Chloroethoxy)methane	ND	ug/kg	216	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
Bis(2-Chloroethyl)ether	ND	ug/kg	216	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
bis(2-Chloroisopropyl)ether	ND	ug/kg	216	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
2-Chloronaphthalene	ND	ug/kg	216	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
2-Chlorophenol	ND	ug/kg	582	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
4-Chlorophenyl-phenylether	ND	ug/kg	216	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
Chrysene	876	ug/kg	151	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5

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Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **A-2-SS2[6]**
Date Collected: 07/17/07 15:00

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
mp-Cresol	ND	ug/kg	582	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
o-Cresol	ND	ug/kg	582	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
Di-n-Butylphthalate	ND	ug/kg	216	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
n-Octylphthalate	ND	ug/kg	582	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
enzo(a,h)anthracene	240	ug/kg	151	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
Dibenzofuran	ND	ug/kg	216	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
1,2-Dichlorobenzene	ND	ug/kg	216	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
1,3-Dichlorobenzene	ND	ug/kg	216	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
1,4-Dichlorobenzene	ND	ug/kg	216	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
3,3-Dichlorobenzidine	ND	ug/kg	216	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
2,4-Dichlorophenol	ND	ug/kg	582	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
Diethylphthalate	ND	ug/kg	216	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
2,4-Dimethylphenol	ND	ug/kg	582	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
Dimethylphthalate	ND	ug/kg	216	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
2,4-Dinitrophenol	ND	ug/kg	1160	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
2,4-Dinitrotoluene	ND	ug/kg	216	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
2,6-Dinitrotoluene	ND	ug/kg	216	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
bis(2-Ethylhexyl)phthalate	639	ug/kg	216	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
Fluoranthene	901	ug/kg	151	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
Fluorene	ND	ug/kg	151	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5

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Certificate of Analysis

August 1, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9693983005**
Received: 07/17/07 16:30
Discard: 08/15/07

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A-2-SS2[6]**
Date Collected: 07/17/07 15:00

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Hexachlorobenzene	ND	ug/kg	216	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
Hexachlorobutadiene	ND	ug/kg	216	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
Hexachlorocyclopentadiene	ND	ug/kg	582	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
Hexachloroethane	ND	ug/kg	216	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
Indeno(1,2,3-cd)pyrene	651	ug/kg	151	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
Isophorone	ND	ug/kg	216	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
2-Methyl-4,6-dinitrophenol	ND	ug/kg	582	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
2-Methylnaphthalene	179	ug/kg	151	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
Naphthalene	ND	ug/kg	151	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
2-Nitroaniline	ND	ug/kg	216	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
3-Nitroaniline	ND	ug/kg	582	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
4-Nitroaniline	ND	ug/kg	582	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
Nitrobenzene	ND	ug/kg	216	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
2-Nitrophenol	ND	ug/kg	582	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
4-Nitrophenol	ND	ug/kg	1160	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
N-Nitroso-di-n-propylamine	ND	ug/kg	216	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
N-Nitrosodiphenylamine	ND	ug/kg	216	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
Pentachlorophenol	ND	ug/kg	1160	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
Phenanthrene	452	ug/kg	151	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
Phenol	ND	ug/kg	582	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5

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August 1, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9693983005**
Received: 07/17/07 16:30
Discard: 08/15/07
Page: 39 Of 76
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **A-2-SS2[6]**
Date Collected: 07/17/07 15:00

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Pyrene	826	ug/kg	151	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
1,2,4-Trichlorobenzene	ND	ug/kg	216	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
2,4,5-Trichlorophenol	ND	ug/kg	582	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
2,4,6-Trichlorophenol	ND	ug/kg	582	SW846 8270C	07/31/07 11:19	07/24/07	DRS	D5
PCB'S								
Aroclor-1016	ND	mg/kg	0.036	SW846 8082	07/24/07 09:34	07/20/07	JJH	D1
Aroclor-1221	ND	mg/kg	0.036	SW846 8082	07/24/07 09:34	07/20/07	JJH	D1
Aroclor-1232	ND	mg/kg	0.036	SW846 8082	07/24/07 09:34	07/20/07	JJH	D1
Aroclor-1242	ND	mg/kg	0.036	SW846 8082	07/24/07 09:34	07/20/07	JJH	D1
Aroclor-1248	ND	mg/kg	0.036	SW846 8082	07/24/07 09:34	07/20/07	JJH	D1
Aroclor-1254	ND	mg/kg	0.036	SW846 8082	07/24/07 09:34	07/20/07	JJH	D1
Aroclor-1260	0.086	mg/kg	0.036	SW846 8082	07/24/07 09:34	07/20/07	JJH	D1
HERBICIDES								
2,4-D	ND	ug/kg	16	SW846 8151A	07/25/07 21:52	07/23/07	KJH	D2
2,4-DB	30	ug/kg	16	SW846 8151A	07/25/07 21:52	07/23/07	KJH	D2
Dalapon [1]	ND	ug/kg	49	SW846 8151A	07/25/07 21:52	07/23/07	KJH	D2

1 - Recovery for this compound in the matrix spike and matrix spike duplicate associated with this sample for the 8151 herbicide analysis was outside laboratory control limits. This is likely attributed to sample matrix. Data for this sample may have been impacted.

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Certificate of Analysis

August 1, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9693983005**
Received: 07/17/07 16:30
Discard: 08/15/07
Page: 40 Of 76

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
PO#: 07214
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**
COC Number:

Sample ID: **A-2-SS2[6]**
Matrix: Solid
Date Collected: 07/17/07 15:00
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
HERBICIDES (continued)								
Dicamba [2]	ND	ug/kg	16	SW846 8151A	07/25/07 21:52	07/23/07	KJH	D2
Dichloroprop	ND	ug/kg	16	SW846 8151A	07/25/07 21:52	07/23/07	KJH	D2
Dinoseb	ND	ug/kg	32	SW846 8151A	07/25/07 21:52	07/23/07	KJH	D2
MCPA	ND	ug/kg	5400	SW846 8151A	07/25/07 21:52	07/23/07	KJH	D2
MCPP	ND	ug/kg	5400	SW846 8151A	07/25/07 21:52	07/23/07	KJH	D2
4-Nitrophenol	ND	ug/kg	32	SW846 8151A	07/25/07 21:52	07/23/07	KJH	D2
Pentachlorophenol [3]	ND	ug/kg	16	SW846 8151A	07/25/07 21:52	07/23/07	KJH	D2
2,4,5-T [4]	ND	ug/kg	16	SW846 8151A	07/25/07 21:52	07/23/07	KJH	D2
2,4,5-TP [5]	ND	ug/kg	16	SW846 8151A	07/25/07 21:52	07/23/07	KJH	D2
WET CHEMISTRY								
Moisture	8.4	%	0.1	SM20-2540 G	07/18/07 05:15	07/18/07	KMW	D
Total Solids	91.6	%	0.1	SM20-2540 G	07/18/07 05:15	07/18/07	KMW	D

2 - Recovery for this compound in the matrix spike and matrix spike duplicate associated with this sample for the 8151 herbicide analysis was outside laboratory control limits. This is likely attributed to sample matrix. Data for this sample may have been impacted.
3 - Recovery for this compound in the matrix spike and matrix spike duplicate associated with this sample for the 8151 herbicide analysis was outside laboratory control limits. This is likely attributed to sample matrix. Data for this sample may have been impacted.
4 - Recovery for this compound in the matrix spike and matrix spike duplicate associated with this sample for the 8151 herbicide analysis was outside laboratory control limits. This is likely attributed to sample matrix. Data for this sample may have been impacted.
5 - Recovery for this compound in the matrix spike and matrix spike duplicate associated with this sample for the 8151 herbicide analysis was outside laboratory control limits. This is likely attributed to sample matrix. Data for this sample may have been impacted.

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Certificate of Analysis

August 1, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9693983005**
Received: 07/17/07 16:30
Discard: 08/15/07
Page: 41 Of 76
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **A-2-SS2[6]**
Date Collected: 07/17/07 15:00

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
METALS								
Arsenic, Total	47	mg/kg	2	SW846 6010B	07/26/07 17:00	07/25/07	JWK	D
Barium, Total	144	mg/kg	0.9	SW846 6010B	07/26/07 17:00	07/25/07	JWK	D
Cadmium, Total	2.2	mg/kg	0.5	SW846 6010B	07/26/07 17:00	07/25/07	JWK	D
mium, Total	55.6	mg/kg	0.9	SW846 6010B	07/26/07 17:00	07/25/07	JWK	D
d, Total	362	mg/kg	0.9	SW846 6010B	07/26/07 17:00	07/25/07	JWK	D
Mercury, Total	ND	mg/kg	0.20	SW846 7471B	07/29/07 21:26	07/27/07	AGM	D6
Selenium, Total	ND	mg/kg	5	SW846 6010B	07/26/07 17:00	07/25/07	JWK	D
Silver, Total	ND	mg/kg	0.5	SW846 6010B	07/26/07 17:00	07/25/07	JWK	D

Surrogates	Result	Units	Recovery	Limits
2,4,6-Tribromophenol	2320	ug/kg	71.0%	(24 - 130)
1,2-Dichloroethane-d4	31.6	ug/kg	94.0%	(56 - 124)
Dibromofluoromethane	31.5	ug/kg	93.0%	(62 - 123)
2,4-Dichlorophenylacetic acid	96	ug/kg	58.0%	(52 - 148)
Toluene-d8	36.2	ug/kg	107.0%	(59 - 131)
Decachlorobiphenyl	.063	mg/kg	76.0%	(30 - 150)
2-Fluorobiphenyl	1210	ug/kg	74.0%	(40 - 113)
2-Fluorophenol	1940	ug/kg	59.0%	(25 - 110)
Nitrobenzene-d5	1100	ug/kg	67.0%	(36 - 113)
Phenol-d5	2240	ug/kg	68.0%	(28 - 111)

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Certificate of Analysis

August 1, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9693983005**
Received: 07/17/07 16:30
Discard: 08/15/07
Page: 42 Of 76

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A-2-SS2[6]**
Date Collected: 07/17/07 15:00

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Surrogates (continued)	**Result**	**Units**	**Recovery**	**Limits**
4-Bromofluorobenzene	39.7	ug/kg	118.0%	(51 - 128)
Tetrachloro-m-xylene	.068	mg/kg	82.0%	(30 - 136)
Terphenyl-d14	1220	ug/kg	74.0%	(35 - 135)

Comments:

One or more of the method 8260 internal standards were recovered outside of the control limits. The sample was re-analyzed with similar results, indicating a significant matrix interference.

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Raymond J. Martrano
Laboratory Manager

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August 1, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9693983006**
Received: 07/17/07 16:30
Discard: 08/15/07

PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **A-2-SS3[6]**
Date Collected: 07/17/07 15:10

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS								
Acetone	909	ug/kg	32.9	8260/5035	07/19/07 04:59	07/17/07	ECR	B
Benzene	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
Bromochloromethane	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
modichloromethane	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
omoform	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
Bromomethane	ND	ug/kg	5.3	8260/5035	07/19/07 04:59	07/17/07	ECR	B
2-Butanone	ND	ug/kg	13.1	8260/5035	07/19/07 04:59	07/17/07	ECR	B
Carbon Disulfide	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
Carbon Tetrachloride	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
Chlorobenzene	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
Chlorodibromomethane	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
Chloroethane	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
Chloroform	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
Chloromethane	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.3	8260/5035	07/19/07 04:59	07/17/07	ECR	B
1,2-Dibromoethane	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
1,1-Dichloroethane	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
1,2-Dichloroethane	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
1,1-Dichloroethene	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
cis-1,2-Dichloroethene	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B

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Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A-2-SS3[6]**
Date Collected: 07/17/07 15:10

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS (continued)								
trans-1,2-Dichloroethene	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
1,2-Dichloropropane	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
cis-1,3-Dichloropropene	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
trans-1,3-Dichloropropene	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
Ethylbenzene	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
2-Hexanone	ND	ug/kg	13.1	8260/5035	07/19/07 04:59	07/17/07	ECR	B
4-Methyl-2-Pentanone(MIBK)	ND	ug/kg	13.1	8260/5035	07/19/07 04:59	07/17/07	ECR	B
Methylene Chloride	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
Styrene	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
Tetrachloroethene	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
Toluene	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
Total Xylenes	ND	ug/kg	7.9	8260/5035	07/19/07 04:59	07/17/07	ECR	B
1,1,1-Trichloroethane	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
1,1,2-Trichloroethane	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
Trichloroethene	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
Vinyl Chloride	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
o-Xylene	ND	ug/kg	2.6	8260/5035	07/19/07 04:59	07/17/07	ECR	B
mp-Xylene	6.5	ug/kg	5.3	8260/5035	07/19/07 04:59	07/17/07	ECR	B

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Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **A-2-SS3[6]**
Date Collected: 07/17/07 15:10

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES								
Acenaphthene	ND	ug/kg	75	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
Acenaphthylene	309	ug/kg	75	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
Anthracene	149	ug/kg	75	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
zo(a)anthracene	670	ug/kg	75	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
Benzo(a)pyrene	925	ug/kg	75	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
Benzo(b)fluoranthene	1370	ug/kg	75	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
Benzo(g,h,i)perylene	143	ug/kg	75	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
Benzo(k)fluoranthene	1170	ug/kg	75	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
4-Bromophenyl-phenylether	ND	ug/kg	107	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
Butylbenzylphthalate	ND	ug/kg	107	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
Carbazole	ND	ug/kg	107	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
4-Chloro-3-methylphenol	ND	ug/kg	288	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
4-Chloroaniline	ND	ug/kg	288	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
Bis(2-Chloroethoxy)methane	ND	ug/kg	107	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
Bis(2-Chloroethyl)ether	ND	ug/kg	107	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
bis(2-Chloroisopropyl)ether	ND	ug/kg	107	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
2-Chloronaphthalene	ND	ug/kg	107	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
2-Chlorophenol	ND	ug/kg	288	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
4-Chlorophenyl-phenylether	ND	ug/kg	107	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
Chrysene	998	ug/kg	75	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2

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Certificate of Analysis

August 1, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9693983006**
Received: 07/17/07 16:30
Discard: 08/15/07

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A-2-SS3[6]**
Date Collected: 07/17/07 15:10

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
mp-Cresol	ND	ug/kg	288	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
o-Cresol	ND	ug/kg	288	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
Di-n-Butylphthalate	ND	ug/kg	107	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
Di-n-Octylphthalate	ND	ug/kg	288	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
Dibenzo(a,h)anthracene	96	ug/kg	75	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
Dibenzofuran	ND	ug/kg	107	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
1,2-Dichlorobenzene	ND	ug/kg	107	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
1,3-Dichlorobenzene	ND	ug/kg	107	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
1,4-Dichlorobenzene	ND	ug/kg	107	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
3,3-Dichlorobenzidine	ND	ug/kg	107	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
2,4-Dichlorophenol	ND	ug/kg	288	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
Diethylphthalate	ND	ug/kg	107	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
2,4-Dimethylphenol	ND	ug/kg	288	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
Dimethylphthalate	ND	ug/kg	107	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
2,4-Dinitrophenol	ND	ug/kg	576	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
2,4-Dinitrotoluene	ND	ug/kg	107	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
2,6-Dinitrotoluene	ND	ug/kg	107	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
bis(2-Ethylhexyl)phthalate	ND	ug/kg	107	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
Fluoranthene	1240	ug/kg	75	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
Fluorene	ND	ug/kg	75	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2

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Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **A-2-SS3[6]**
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Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Hexachlorobenzene	ND	ug/kg	107	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
Hexachlorobutadiene	ND	ug/kg	107	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
Hexachlorocyclopentadiene	ND	ug/kg	288	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
[illegible]achloroethane	ND	ug/kg	107	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
[illegible]eno(1,2,3-cd)pyrene	277	ug/kg	75	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
Isophorone	ND	ug/kg	107	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
2-Methyl-4,6-dinitrophenol	ND	ug/kg	288	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
2-Methylnaphthalene	ND	ug/kg	75	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
Naphthalene	ND	ug/kg	75	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
2-Nitroaniline	ND	ug/kg	107	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
3-Nitroaniline	ND	ug/kg	288	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
4-Nitroaniline	ND	ug/kg	288	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
Nitrobenzene	ND	ug/kg	107	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
2-Nitrophenol	ND	ug/kg	288	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
4-Nitrophenol	ND	ug/kg	576	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
N-Nitroso-di-n-propylamine	ND	ug/kg	107	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
N-Nitrosodiphenylamine	ND	ug/kg	107	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
Pentachlorophenol	ND	ug/kg	576	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
Phenanthrene	470	ug/kg	75	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
Phenol	ND	ug/kg	288	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2

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Date Collected: 07/17/07 15:10

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Pyrene	1040	ug/kg	75	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
1,2,4-Trichlorobenzene	ND	ug/kg	107	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
2,4,5-Trichlorophenol	ND	ug/kg	288	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
2,4,6-Trichlorophenol	ND	ug/kg	288	SW846 8270C	07/28/07 14:16	07/24/07	TTR	D2
PCB'S								
Aroclor-1016	ND	mg/kg	0.035	SW846 8082	07/24/07 10:05	07/20/07	JJH	D1
Aroclor-1221	ND	mg/kg	0.035	SW846 8082	07/24/07 10:05	07/20/07	JJH	D1
Aroclor-1232	ND	mg/kg	0.035	SW846 8082	07/24/07 10:05	07/20/07	JJH	D1
Aroclor-1242	ND	mg/kg	0.035	SW846 8082	07/24/07 10:05	07/20/07	JJH	D1
Aroclor-1248	ND	mg/kg	0.035	SW846 8082	07/24/07 10:05	07/20/07	JJH	D1
Aroclor-1254	ND	mg/kg	0.035	SW846 8082	07/24/07 10:05	07/20/07	JJH	D1
Aroclor-1260	0.039	mg/kg	0.035	SW846 8082	07/24/07 10:05	07/20/07	JJH	D1
WET CHEMISTRY								
Moisture	6.5	%	0.1	SM20-2540 G	07/18/07 05:15	07/18/07	KMW	D
Total Solids	93.5	%	0.1	SM20-2540 G	07/18/07 05:15	07/18/07	KMW	D

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Received: 07/17/07 16:30
Discard: 08/15/07
Page: 49 Of 76
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **A-2-SS3[6]**
Date Collected: 07/17/07 15:10

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
METALS								
Arsenic, Total	54	mg/kg	3	SW846 6010B	07/26/07 17:06	07/25/07	JWK	D
Barium, Total	110	mg/kg	1	SW846 6010B	07/26/07 17:06	07/25/07	JWK	D
Cadmium, Total	1.2	mg/kg	0.5	SW846 6010B	07/26/07 17:06	07/25/07	JWK	D
›mium, Total	23.8	mg/kg	1.0	SW846 6010B	07/26/07 17:06	07/25/07	JWK	D
Lead, Total	164	mg/kg	1	SW846 6010B	07/26/07 17:06	07/25/07	JWK	D
Mercury, Total	0.24	mg/kg	0.20	SW846 7471B	07/29/07 21:29	07/27/07	AGM	D3
Selenium, Total	ND	mg/kg	5	SW846 6010B	07/26/07 17:06	07/25/07	JWK	D
Silver, Total	ND	mg/kg	0.5	SW846 6010B	07/26/07 17:06	07/25/07	JWK	D

Surrogates	Result	Units	Recovery	Limits
2,4,6-Tribromophenol	2240	ug/kg	67.0%	(24 - 130)
1,2-Dichloroethane-d4	34.8	ug/kg	95.0%	(56 - 124)
Dibromofluoromethane	41.1	ug/kg	112.0%	(62 - 123)
Toluene-d8 [1]	53	ug/kg	144.0%	(59 - 131)
Decachlorobiphenyl	.059	mg/kg	71.0%	(30 - 150)
2-Fluorobiphenyl	1060	ug/kg	64.0%	(40 - 113)
2-Fluorophenol	1820	ug/kg	55.0%	(25 - 110)
Nitrobenzene-d5	987	ug/kg	59.0%	(36 - 113)
Phenol-d5	2070	ug/kg	62.0%	(28 - 111)
4-Bromofluorobenzene	32.2	ug/kg	87.0%	(51 - 128)

1 - The surrogate recovery was outside of the established control limits.

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ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9693983006**
Received: 07/17/07 16:30
Discard: 08/15/07
Page: 50 Of 76

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A-2-SS3[6]**
Date Collected: 07/17/07 15:10

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Surrogates (continued)	**Result**	**Units**	**Recovery**	**Limits**
Tetrachloro-m-xylene	.066	mg/kg	81.0%	(30 - 136)
Terphenyl-d14	1000	ug/kg	60.0%	(35 - 135)

Comments:

One or more of the method 8260 internal standards and surrogates were recovered outside of the control limits. The sample was re-analyzed with similar results, indicating a significant matrix interference.

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Raymond J. Martrano
Laboratory Manager

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Lab ID #: **9693983007**
Received: 07/17/07 16:30
Discard: 08/15/07
Page: 51 Of 76
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **A-2-SS4[6]**
Date Collected: 07/17/07 15:25

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS								
Acetone	640	ug/kg	34.4	8260/5035	07/19/07 05:30	07/17/07	ECR	B
Benzene	2.8	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
Bromochloromethane	ND	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
ıodichloromethane	ND	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
..omoform	ND	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
Bromomethane	ND	ug/kg	5.5	8260/5035	07/19/07 05:30	07/17/07	ECR	B
2-Butanone	ND	ug/kg	13.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
Carbon Disulfide	ND	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
Carbon Tetrachloride	ND	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
Chlorobenzene	ND	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
Chlorodibromomethane	ND	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
Chloroethane	ND	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
Chloroform	ND	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
Chloromethane	ND	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.5	8260/5035	07/19/07 05:30	07/17/07	ECR	B
1,2-Dibromoethane	ND	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
1,1-Dichloroethane	ND	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
1,2-Dichloroethane	ND	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
1,1-Dichloroethene	ND	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
cis-1,2-Dichloroethene	ND	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B

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Date Collected: 07/17/07 15:25

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS (continued)								
trans-1,2-Dichloroethene	ND	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
1,2-Dichloropropane	ND	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
cis-1,3-Dichloropropene	ND	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
trans-1,3-Dichloropropene	ND	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
Ethylbenzene	ND	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
2-Hexanone	ND	ug/kg	13.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
4-Methyl-2-Pentanone(MIBK)	ND	ug/kg	13.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
Methylene Chloride	ND	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
Styrene	ND	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
Tetrachloroethene	ND	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
Toluene	2.8	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
Total Xylenes	8.4	ug/kg	8.2	8260/5035	07/19/07 05:30	07/17/07	ECR	B
1,1,1-Trichloroethane	ND	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
1,1,2-Trichloroethane	ND	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
Trichloroethene	ND	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
Vinyl Chloride	ND	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
o-Xylene	ND	ug/kg	2.7	8260/5035	07/19/07 05:30	07/17/07	ECR	B
mp-Xylene	6.8	ug/kg	5.5	8260/5035	07/19/07 05:30	07/17/07	ECR	B

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Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **A-2-SS4[6]**
Date Collected: 07/17/07 15:25

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES								
Acenaphthene	ND	ug/kg	306	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
Acenaphthylene	1180	ug/kg	306	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
Anthracene	1010	ug/kg	306	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
o(a)anthracene	3930	ug/kg	306	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
Benzo(a)pyrene	5080	ug/kg	306	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
Benzo(b)fluoranthene	5900	ug/kg	306	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
Benzo(g,h,i)perylene	3220	ug/kg	306	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
Benzo(k)fluoranthene	4730	ug/kg	306	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
4-Bromophenyl-phenylether	ND	ug/kg	437	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
Butylbenzylphthalate	ND	ug/kg	437	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
Carbazole	ND	ug/kg	437	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
4-Chloro-3-methylphenol	ND	ug/kg	1180	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
4-Chloroaniline	ND	ug/kg	1180	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
Bis(2-Chloroethoxy)methane	ND	ug/kg	437	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
Bis(2-Chloroethyl)ether	ND	ug/kg	437	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
bis(2-Chloroisopropyl)ether	ND	ug/kg	437	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
2-Chloronaphthalene	ND	ug/kg	437	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
2-Chlorophenol	ND	ug/kg	1180	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
4-Chlorophenyl-phenylether	ND	ug/kg	437	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
Chrysene	4870	ug/kg	306	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2

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Certificate of Analysis

August 1, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9693983007**
Received: 07/17/07 16:30
Discard: 08/15/07

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A-2-SS4[6]**
Date Collected: 07/17/07 15:25

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
mp-Cresol	ND	ug/kg	1180	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
o-Cresol	ND	ug/kg	1180	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
Di-n-Butylphthalate	ND	ug/kg	437	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
Di-n-Octylphthalate	ND	ug/kg	1180	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
Dibenzo(a,h)anthracene	1420	ug/kg	306	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
Dibenzofuran	ND	ug/kg	437	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
1,2-Dichlorobenzene	ND	ug/kg	437	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
1,3-Dichlorobenzene	ND	ug/kg	437	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
1,4-Dichlorobenzene	ND	ug/kg	437	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
3,3-Dichlorobenzidine	ND	ug/kg	437	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
2,4-Dichlorophenol	ND	ug/kg	1180	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
Diethylphthalate	ND	ug/kg	437	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
2,4-Dimethylphenol	ND	ug/kg	1180	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
Dimethylphthalate	ND	ug/kg	437	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
2,4-Dinitrophenol	ND	ug/kg	2360	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
2,4-Dinitrotoluene	ND	ug/kg	437	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
2,6-Dinitrotoluene	ND	ug/kg	437	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
bis(2-Ethylhexyl)phthalate	ND	ug/kg	437	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
Fluoranthene	6620	ug/kg	306	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
Fluorene	ND	ug/kg	306	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2

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Page: 55 Of 76
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **A-2-SS4[6]**
Date Collected: 07/17/07 15:25

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Hexachlorobenzene	ND	ug/kg	437	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
Hexachlorobutadiene	ND	ug/kg	437	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
Hexachlorocyclopentadiene	ND	ug/kg	1180	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
[illegible]achloroethane	ND	ug/kg	437	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
[illegible]eno(1,2,3-cd)pyrene	3920	ug/kg	306	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
Isophorone	ND	ug/kg	437	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
2-Methyl-4,6-dinitrophenol	ND	ug/kg	1180	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
2-Methylnaphthalene	ND	ug/kg	306	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
Naphthalene	ND	ug/kg	306	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
2-Nitroaniline	ND	ug/kg	437	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
3-Nitroaniline	ND	ug/kg	1180	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
4-Nitroaniline	ND	ug/kg	1180	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
Nitrobenzene	ND	ug/kg	437	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
2-Nitrophenol	ND	ug/kg	1180	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
4-Nitrophenol	ND	ug/kg	2360	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
N-Nitroso-di-n-propylamine	ND	ug/kg	437	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
N-Nitrosodiphenylamine	ND	ug/kg	437	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
Pentachlorophenol	ND	ug/kg	2360	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
Phenanthrene	2580	ug/kg	306	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
Phenol	ND	ug/kg	1180	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2

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Lab ID #: **9693983007**
Received: 07/17/07 16:30
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Page: 56 Of 76

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A-2-SS4[6]**
Date Collected: 07/17/07 15:25

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Pyrene	5590	ug/kg	306	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
1,2,4-Trichlorobenzene	ND	ug/kg	437	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
2,4,5-Trichlorophenol	ND	ug/kg	1180	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
2,4,6-Trichlorophenol	ND	ug/kg	1180	SW846 8270C	07/31/07 12:57	07/24/07	DRS	D2
PCB'S								
Aroclor-1016	ND	mg/kg	0.037	SW846 8082	07/24/07 10:37	07/20/07	JJH	D1
Aroclor-1221	ND	mg/kg	0.037	SW846 8082	07/24/07 10:37	07/20/07	JJH	D1
Aroclor-1232	ND	mg/kg	0.037	SW846 8082	07/24/07 10:37	07/20/07	JJH	D1
Aroclor-1242	ND	mg/kg	0.037	SW846 8082	07/24/07 10:37	07/20/07	JJH	D1
Aroclor-1248	ND	mg/kg	0.037	SW846 8082	07/24/07 10:37	07/20/07	JJH	D1
Aroclor-1254	ND	mg/kg	0.037	SW846 8082	07/24/07 10:37	07/20/07	JJH	D1
Aroclor-1260	0.217	mg/kg	0.037	SW846 8082	07/24/07 10:37	07/20/07	JJH	D1
WET CHEMISTRY								
Moisture	10.6	%	0.1	SM20-2540 G	07/18/07 05:15	07/18/07	KMW	D
Total Solids	89.4	%	0.1	SM20-2540 G	07/18/07 05:15	07/18/07	KMW	D

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Page: 57 Of 76
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **A-2-SS4[6]**
Date Collected: 07/17/07 15:25

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
METALS								
Arsenic, Total	35	mg/kg	3	SW846 6010B	07/26/07 17:12	07/25/07	JWK	D
Barium, Total	106	mg/kg	1	SW846 6010B	07/26/07 17:12	07/25/07	JWK	D
Cadmium, Total	2.1	mg/kg	0.5	SW846 6010B	07/26/07 17:12	07/25/07	JWK	D
Chromium, Total	35.3	mg/kg	1.1	SW846 6010B	07/26/07 17:12	07/25/07	JWK	D
Lead, Total	266	mg/kg	1	SW846 6010B	07/26/07 17:12	07/25/07	JWK	D
Mercury, Total	ND	mg/kg	0.19	SW846 7471B	07/29/07 21:33	07/27/07	AGM	D3
Selenium, Total	ND	mg/kg	5	SW846 6010B	07/26/07 17:12	07/25/07	JWK	D
Silver, Total	ND	mg/kg	0.5	SW846 6010B	07/26/07 17:12	07/25/07	JWK	D

Surrogates	Result	Units	Recovery	Limits
2,4,6-Tribromophenol	2360	ug/kg	72.0%	(24 - 130)
1,2-Dichloroethane-d4	31.7	ug/kg	86.0%	(56 - 124)
Dibromofluoromethane	36.4	ug/kg	99.0%	(62 - 123)
Toluene-d8 [1]	52	ug/kg	141.0%	(59 - 131)
Decachlorobiphenyl	.072	mg/kg	87.0%	(30 - 150)
2-Fluorobiphenyl	1170	ug/kg	72.0%	(40 - 113)
2-Fluorophenol	2030	ug/kg	62.0%	(25 - 110)
Nitrobenzene-d5	1100	ug/kg	68.0%	(36 - 113)
Phenol-d5	2270	ug/kg	70.0%	(28 - 111)
4-Bromofluorobenzene	44.3	ug/kg	120.0%	(51 - 128)

1 - The surrogate recovery was outside of the established control limits.

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Certificate of Analysis

August 1, 2007

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1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9693983007**
Received: 07/17/07 16:30
Discard: 08/15/07
Page: 58 Of 76

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
PO#: 07214
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**
COC Number:

Sample ID: **A-2-SS4[6]**
Matrix: Solid
Date Collected: 07/17/07 15:25
Collected by: Mr. Dan Buterbaugh

Surrogates (continued)	**Result**	**Units**	**Recovery**	**Limits**
Tetrachloro-m-xylene	.07	mg/kg	84.0%	(30 - 136)
Terphenyl-d14	1200	ug/kg	74.0%	(35 - 135)

Comments:

One or more of the method 8260 internal standards and surrogates were recovered outside of the control limits. The sample was re-analyzed with similar results, indicating a significant matrix interference.

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Raymond J. Martrano
Laboratory Manager

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1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9693983008**
Received: 07/17/07 16:30
Discard: 08/15/07
Page: 59 Of 76
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **B-SS1[6]**
Date Collected: 07/17/07 15:35

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS								
Acetone	1140	ug/kg	536	8260/5035	07/24/07 10:32	07/17/07	JAH	A
Benzene	ND	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B
Benzene	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
nochloromethane	ND	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B
omochloromethane	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
Bromodichloromethane	ND	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B
Bromodichloromethane	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
Bromoform	ND	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B
Bromoform	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
Bromomethane	ND	ug/kg	3.8	8260/5035	07/19/07 06:31	07/17/07	ECR	B
Bromomethane	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
2-Butanone	20.9	ug/kg	9.5	8260/5035	07/19/07 06:31	07/17/07	ECR	B
2-Butanone	ND	ug/kg	536	8260/5035	07/24/07 10:32	07/17/07	JAH	A
Carbon Disulfide	ND	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B
Carbon Disulfide	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
Carbon Tetrachloride	ND	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B
Carbon Tetrachloride	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
Chlorobenzene	ND	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B
Chlorobenzene	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
Chlorodibromomethane	ND	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B

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PO#: 07214
COC Number:

Sample ID: **B-SS1[6]**
Date Collected: 07/17/07 15:35

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS (continued)								
Chlorodibromomethane	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
Chloroethane	ND	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B
Chloroethane	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
Chloroform	ND	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B
Chloroform	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
Chloromethane	ND	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B
Chloromethane	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
1,2-Dibromo-3-chloropropane	ND	ug/kg	3.8	8260/5035	07/19/07 06:31	07/17/07	ECR	B
1,2-Dibromo-3-chloropropane	ND	ug/kg	376	8260/5035	07/24/07 10:32	07/17/07	JAH	A
1,2-Dibromoethane	ND	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B
1,2-Dibromoethane	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
1,1-Dichloroethane	ND	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B
1,1-Dichloroethane	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
1,2-Dichloroethane	ND	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B
1,2-Dichloroethane	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
1,1-Dichloroethene	ND	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B
1,1-Dichloroethene	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
cis-1,2-Dichloroethene	ND	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B
cis-1,2-Dichloroethene	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
trans-1,2-Dichloroethene	ND	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B

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NJ PA010 NY 11759

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34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

Certificate of Analysis

August 1, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9693983008**
Received: 07/17/07 16:30
Discard: 08/15/07
Page: 61 Of 76
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **B-SS1[6]**
Date Collected: 07/17/07 15:35

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS (continued)								
trans-1,2-Dichloroethene	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
1,2-Dichloropropane	ND	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B
1,2-Dichloropropane	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
-1,3-Dichloropropene	ND	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B
-1,3-Dichloropropene	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
trans-1,3-Dichloropropene	ND	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B
trans-1,3-Dichloropropene	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
Ethylbenzene	2.5	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B
Ethylbenzene	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
2-Hexanone	ND	ug/kg	9.5	8260/5035	07/19/07 06:31	07/17/07	ECR	B
2-Hexanone	ND	ug/kg	268	8260/5035	07/24/07 10:32	07/17/07	JAH	A
4-Methyl-2-Pentanone(MIBK)	ND	ug/kg	9.5	8260/5035	07/19/07 06:31	07/17/07	ECR	B
4-Methyl-2-Pentanone(MIBK)	ND	ug/kg	268	8260/5035	07/24/07 10:32	07/17/07	JAH	A
Methylene Chloride	ND	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B
Methylene Chloride	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
Styrene	ND	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B
Styrene	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
1,1,2,2-Tetrachloroethane	ND	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B
1,1,2,2-Tetrachloroethane	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
Tetrachloroethene	ND	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B

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VOLATILE ORGANICS (continued)								
Tetrachloroethene	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
Toluene	ND	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B
Toluene	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
Total Xylenes	14.1	ug/kg	5.7	8260/5035	07/19/07 06:31	07/17/07	ECR	B
Total Xylenes	ND	ug/kg	161	8260/5035	07/24/07 10:32	07/17/07	JAH	A
1,1,1-Trichloroethane	ND	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B
1,1,1-Trichloroethane	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
1,1,2-Trichloroethane	ND	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B
1,1,2-Trichloroethane	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
Trichloroethene	ND	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B
Trichloroethene	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
Vinyl Chloride	ND	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B
Vinyl Chloride	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
o-Xylene	3.0	ug/kg	1.9	8260/5035	07/19/07 06:31	07/17/07	ECR	B
o-Xylene	ND	ug/kg	53.6	8260/5035	07/24/07 10:32	07/17/07	JAH	A
mp-Xylene	11.1	ug/kg	3.8	8260/5035	07/19/07 06:31	07/17/07	ECR	B
mp-Xylene	ND	ug/kg	107	8260/5035	07/24/07 10:32	07/17/07	JAH	A

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Lab ID #: **9693983008**
Received: 07/17/07 16:30
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Page: 63 Of 76

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **B-SS1[6]**
Date Collected: 07/17/07 15:35

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES								
Acenaphthene	ND	ug/kg	72	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
Acenaphthylene	ND	ug/kg	72	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
Anthracene	ND	ug/kg	72	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
o(a)anthracene	ND	ug/kg	72	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
Benzo(a)pyrene	ND	ug/kg	72	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
Benzo(b)fluoranthene	ND	ug/kg	72	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
Benzo(g,h,i)perylene	ND	ug/kg	72	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
Benzo(k)fluoranthene	ND	ug/kg	72	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
4-Bromophenyl-phenylether	ND	ug/kg	103	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
Butylbenzylphthalate	ND	ug/kg	103	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
Carbazole	ND	ug/kg	103	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
4-Chloro-3-methylphenol	ND	ug/kg	279	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
4-Chloroaniline	ND	ug/kg	279	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
Bis(2-Chloroethoxy)methane	ND	ug/kg	103	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
Bis(2-Chloroethyl)ether	ND	ug/kg	103	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
bis(2-Chloroisopropyl)ether	ND	ug/kg	103	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
2-Chloronaphthalene	ND	ug/kg	103	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
2-Chlorophenol	ND	ug/kg	279	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
4-Chlorophenyl-phenylether	ND	ug/kg	103	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
Chrysene	ND	ug/kg	72	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2

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Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
mp-Cresol	ND	ug/kg	279	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
o-Cresol	ND	ug/kg	279	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
Di-n-Butylphthalate	ND	ug/kg	103	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
Di-n-Octylphthalate	ND	ug/kg	279	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
Dibenzo(a,h)anthracene	ND	ug/kg	72	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
Dibenzofuran	ND	ug/kg	103	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
1,2-Dichlorobenzene	ND	ug/kg	103	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
1,3-Dichlorobenzene	ND	ug/kg	103	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
1,4-Dichlorobenzene	ND	ug/kg	103	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
3,3-Dichlorobenzidine	ND	ug/kg	103	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
2,4-Dichlorophenol	ND	ug/kg	279	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
Diethylphthalate	ND	ug/kg	103	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
2,4-Dimethylphenol	ND	ug/kg	279	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
Dimethylphthalate	ND	ug/kg	103	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
2,4-Dinitrophenol	ND	ug/kg	558	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
2,4-Dinitrotoluene	ND	ug/kg	103	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
2,6-Dinitrotoluene	ND	ug/kg	103	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
bis(2-Ethylhexyl)phthalate	ND	ug/kg	103	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
Fluoranthene	ND	ug/kg	72	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
Fluorene	ND	ug/kg	72	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2

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SEMIVOLATILES (continued)								
Hexachlorobenzene	ND	ug/kg	103	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
Hexachlorobutadiene	ND	ug/kg	103	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
Hexachlorocyclopentadiene	ND	ug/kg	279	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
[illegible]chloroethane	ND	ug/kg	103	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
[illegible]no(1,2,3-cd)pyrene	ND	ug/kg	72	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
Isophorone	ND	ug/kg	103	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
2-Methyl-4,6-dinitrophenol	ND	ug/kg	279	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
2-Methylnaphthalene	ND	ug/kg	72	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
Naphthalene	ND	ug/kg	72	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
2-Nitroaniline	ND	ug/kg	103	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
3-Nitroaniline	ND	ug/kg	279	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
4-Nitroaniline	ND	ug/kg	279	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
Nitrobenzene	ND	ug/kg	103	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
2-Nitrophenol	ND	ug/kg	279	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
4-Nitrophenol	ND	ug/kg	558	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
N-Nitroso-di-n-propylamine	ND	ug/kg	103	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
N-Nitrosodiphenylamine	ND	ug/kg	103	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
Pentachlorophenol	ND	ug/kg	558	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
Phenanthrene	ND	ug/kg	72	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
Phenol	ND	ug/kg	279	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2

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SEMIVOLATILES (continued)								
Pyrene	ND	ug/kg	72	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
1,2,4-Trichlorobenzene	ND	ug/kg	103	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
2,4,5-Trichlorophenol	ND	ug/kg	279	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
2,4,6-Trichlorophenol	ND	ug/kg	279	SW846 8270C	07/28/07 09:20	07/24/07	TTR	D2
PCB'S								
Aroclor-1016	ND	mg/kg	0.034	SW846 8082	07/24/07 11:08	07/20/07	JJH	D1
Aroclor-1221	ND	mg/kg	0.034	SW846 8082	07/24/07 11:08	07/20/07	JJH	D1
Aroclor-1232	ND	mg/kg	0.034	SW846 8082	07/24/07 11:08	07/20/07	JJH	D1
Aroclor-1242	ND	mg/kg	0.034	SW846 8082	07/24/07 11:08	07/20/07	JJH	D1
Aroclor-1248	ND	mg/kg	0.034	SW846 8082	07/24/07 11:08	07/20/07	JJH	D1
Aroclor-1254	ND	mg/kg	0.034	SW846 8082	07/24/07 11:08	07/20/07	JJH	D1
Aroclor-1260	ND	mg/kg	0.034	SW846 8082	07/24/07 11:08	07/20/07	JJH	D1
WET CHEMISTRY								
Moisture	4.5	%	0.1	SM20-2540 G	07/18/07 05:15	07/18/07	KMW	D
Total Solids	95.5	%	0.1	SM20-2540 G	07/18/07 05:15	07/18/07	KMW	D

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METALS								
Arsenic, Total	ND	mg/kg	2	SW846 6010B	07/26/07 17:28	07/25/07	JWK	D
Barium, Total	76	mg/kg	1	SW846 6010B	07/26/07 17:28	07/25/07	JWK	D
Cadmium, Total	0.8	mg/kg	0.5	SW846 6010B	07/26/07 17:28	07/25/07	JWK	D
Chromium, Total	22.5	mg/kg	1	SW846 6010B	07/26/07 17:28	07/25/07	JWK	D
Lead, Total	9	mg/kg	1	SW846 6010B	07/26/07 17:28	07/25/07	JWK	D
Mercury, Total	ND	mg/kg	0.18	SW846 7471B	07/29/07 21:37	07/27/07	AGM	D3
Selenium, Total	ND	mg/kg	5	SW846 6010B	07/26/07 17:28	07/25/07	JWK	D
Silver, Total	ND	mg/kg	0.5	SW846 6010B	07/26/07 17:28	07/25/07	JWK	D

Surrogates	Result	Units	Recovery	Limits
2,4,6-Tribromophenol	1850	ug/kg	56.0%	(24 - 130)
1,2-Dichloroethane-d4	24.1	ug/kg	88.0%	(56 - 124)
1,2-Dichloroethane-d4	1660	ug/kg	108.0%	(71 - 146)
Dibromofluoromethane	24	ug/kg	88.0%	(62 - 123)
Dibromofluoromethane	1850	ug/kg	120.0%	(42 - 143)
Toluene-d8	23.5	ug/kg	86.0%	(59 - 131)
Toluene-d8	1990	ug/kg	130.0%	(54 - 141)
Decachlorobiphenyl	.061	mg/kg	74.0%	(30 - 150)
2-Fluorobiphenyl	924	ug/kg	56.0%	(40 - 113)
2-Fluorophenol	1830	ug/kg	56.0%	(25 - 110)

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Sample ID: **B-SS1[6]**
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Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Surrogates (continued)	**Result**	**Units**	**Recovery**	**Limits**
Nitrobenzene-d5	979	ug/kg	60.0%	(36 - 113)
Phenol-d5	1940	ug/kg	59.0%	(28 - 111)
4-Bromofluorobenzene	24.9	ug/kg	91.0%	(51 - 128)
4-Bromofluorobenzene	1660	ug/kg	108.0%	(46 - 138)
Tetrachloro-m-xylene	.07	mg/kg	86.0%	(30 - 136)
Terphenyl-d14	1040	ug/kg	63.0%	(35 - 135)

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Raymond J. Martrano
Laboratory Manager

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Certificate of Analysis

August 1, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9693983009**
Received: 07/17/07 16:30
Discard: 08/15/07
Page: 69 Of 76
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **B-SS2[6]**
Date Collected: 07/17/07 15:45

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS								
Acetone	188	ug/kg	27.6	8260/5035	07/19/07 06:00	07/17/07	ECR	B
Benzene	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
Bromochloromethane	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
odichloromethane	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
bromoform	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
Bromomethane	ND	ug/kg	4.4	8260/5035	07/19/07 06:00	07/17/07	ECR	B
2-Butanone	19.6	ug/kg	11.0	8260/5035	07/19/07 06:00	07/17/07	ECR	B
Carbon Disulfide	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
Carbon Tetrachloride	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
Chlorobenzene	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
Chlorodibromomethane	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
Chloroethane	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
Chloroform	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
Chloromethane	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.4	8260/5035	07/19/07 06:00	07/17/07	ECR	B
1,2-Dibromoethane	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
1,1-Dichloroethane	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
1,2-Dichloroethane	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
1,1-Dichloroethene	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
cis-1,2-Dichloroethene	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B

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PO#: 07214
COC Number:

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Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS (continued)								
trans-1,2-Dichloroethene	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
1,2-Dichloropropane	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
cis-1,3-Dichloropropene	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
trans-1,3-Dichloropropene	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
Ethylbenzene	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
2-Hexanone	ND	ug/kg	11.0	8260/5035	07/19/07 06:00	07/17/07	ECR	B
4-Methyl-2-Pentanone(MIBK)	ND	ug/kg	11.0	8260/5035	07/19/07 06:00	07/17/07	ECR	B
Methylene Chloride	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
Styrene	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
Tetrachloroethene	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
Toluene	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
Total Xylenes	ND	ug/kg	6.6	8260/5035	07/19/07 06:00	07/17/07	ECR	B
1,1,1-Trichloroethane	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
1,1,2-Trichloroethane	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
Trichloroethene	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
Vinyl Chloride	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
o-Xylene	ND	ug/kg	2.2	8260/5035	07/19/07 06:00	07/17/07	ECR	B
mp-Xylene	ND	ug/kg	4.4	8260/5035	07/19/07 06:00	07/17/07	ECR	B

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Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES								
Acenaphthene	ND	ug/kg	74	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
Acenaphthylene	ND	ug/kg	74	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
Anthracene	ND	ug/kg	74	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
o(a)anthracene	ND	ug/kg	74	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
Benzo(a)pyrene	ND	ug/kg	74	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
Benzo(b)fluoranthene	ND	ug/kg	74	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
Benzo(g,h,i)perylene	ND	ug/kg	74	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
Benzo(k)fluoranthene	ND	ug/kg	74	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
4-Bromophenyl-phenylether	ND	ug/kg	105	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
Butylbenzylphthalate	ND	ug/kg	105	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
Carbazole	ND	ug/kg	105	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
4-Chloro-3-methylphenol	ND	ug/kg	285	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
4-Chloroaniline	ND	ug/kg	285	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
Bis(2-Chloroethoxy)methane	ND	ug/kg	105	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
Bis(2-Chloroethyl)ether	ND	ug/kg	105	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
bis(2-Chloroisopropyl)ether	ND	ug/kg	105	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
2-Chloronaphthalene	ND	ug/kg	105	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
2-Chlorophenol	ND	ug/kg	285	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
4-Chlorophenyl-phenylether	ND	ug/kg	105	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
Chrysene	ND	ug/kg	74	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2

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Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
mp-Cresol	ND	ug/kg	285	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
o-Cresol	ND	ug/kg	285	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
Di-n-Butylphthalate	ND	ug/kg	105	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
Di-n-Octylphthalate	ND	ug/kg	285	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
Dibenzo(a,h)anthracene	ND	ug/kg	74	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
Dibenzofuran	ND	ug/kg	105	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
1,2-Dichlorobenzene	ND	ug/kg	105	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
1,3-Dichlorobenzene	ND	ug/kg	105	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
1,4-Dichlorobenzene	ND	ug/kg	105	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
3,3-Dichlorobenzidine	ND	ug/kg	105	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
2,4-Dichlorophenol	ND	ug/kg	285	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
Diethylphthalate	ND	ug/kg	105	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
2,4-Dimethylphenol	ND	ug/kg	285	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
Dimethylphthalate	ND	ug/kg	105	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
2,4-Dinitrophenol	ND	ug/kg	569	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
2,4-Dinitrotoluene	ND	ug/kg	105	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
2,6-Dinitrotoluene	ND	ug/kg	105	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
bis(2-Ethylhexyl)phthalate	ND	ug/kg	105	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
Fluoranthene	ND	ug/kg	74	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
Fluorene	ND	ug/kg	74	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2

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Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Hexachlorobenzene	ND	ug/kg	105	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
Hexachlorobutadiene	ND	ug/kg	105	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
Hexachlorocyclopentadiene	ND	ug/kg	285	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
·achloroethane	ND	ug/kg	105	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
.eno(1,2,3-cd)pyrene	ND	ug/kg	74	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
Isophorone	ND	ug/kg	105	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
2-Methyl-4,6-dinitrophenol	ND	ug/kg	285	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
2-Methylnaphthalene	ND	ug/kg	74	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
Naphthalene	ND	ug/kg	74	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
2-Nitroaniline	ND	ug/kg	105	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
3-Nitroaniline	ND	ug/kg	285	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
4-Nitroaniline	ND	ug/kg	285	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
Nitrobenzene	ND	ug/kg	105	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
2-Nitrophenol	ND	ug/kg	285	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
4-Nitrophenol	ND	ug/kg	569	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
N-Nitroso-di-n-propylamine	ND	ug/kg	105	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
N-Nitrosodiphenylamine	ND	ug/kg	105	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
Pentachlorophenol	ND	ug/kg	569	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
Phenanthrene	ND	ug/kg	74	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
Phenol	ND	ug/kg	285	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2

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SEMIVOLATILES (continued)								
Pyrene	ND	ug/kg	74	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
1,2,4-Trichlorobenzene	ND	ug/kg	105	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
2,4,5-Trichlorophenol	ND	ug/kg	285	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
2,4,6-Trichlorophenol	ND	ug/kg	285	SW846 8270C	07/28/07 10:09	07/24/07	TTR	D2
PCB'S								
Aroclor-1016	ND	mg/kg	0.035	SW846 8082	07/24/07 12:42	07/20/07	JJH	D1
Aroclor-1221	ND	mg/kg	0.035	SW846 8082	07/24/07 12:42	07/20/07	JJH	D1
Aroclor-1232	ND	mg/kg	0.035	SW846 8082	07/24/07 12:42	07/20/07	JJH	D1
Aroclor-1242	ND	mg/kg	0.035	SW846 8082	07/24/07 12:42	07/20/07	JJH	D1
Aroclor-1248	ND	mg/kg	0.035	SW846 8082	07/24/07 12:42	07/20/07	JJH	D1
Aroclor-1254	ND	mg/kg	0.035	SW846 8082	07/24/07 12:42	07/20/07	JJH	D1
Aroclor-1260	ND	mg/kg	0.035	SW846 8082	07/24/07 12:42	07/20/07	JJH	D1
WET CHEMISTRY								
Moisture	5.5	%	0.1	SM20-2540 G	07/18/07 05:15	07/18/07	KMW	D
Total Solids	94.5	%	0.1	SM20-2540 G	07/18/07 05:15	07/18/07	KMW	D

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METALS								
Arsenic, Total	ND	mg/kg	2	SW846 6010B	07/26/07 17:34	07/25/07	JWK	D
Barium, Total	56	mg/kg	1	SW846 6010B	07/26/07 17:34	07/25/07	JWK	D
Cadmium, Total	0.9	mg/kg	0.5	SW846 6010B	07/26/07 17:34	07/25/07	JWK	D
›mium, Total	20.7	mg/kg	1	SW846 6010B	07/26/07 17:34	07/25/07	JWK	D
Lead, Total	10	mg/kg	1	SW846 6010B	07/26/07 17:34	07/25/07	JWK	D
Mercury, Total	ND	mg/kg	0.19	SW846 7471B	07/29/07 21:40	07/27/07	AGM	D3
Selenium, Total	ND	mg/kg	5	SW846 6010B	07/26/07 17:34	07/25/07	JWK	D
Silver, Total	ND	mg/kg	0.5	SW846 6010B	07/26/07 17:34	07/25/07	JWK	D

Surrogates	Result	Units	Recovery	Limits
2,4,6-Tribromophenol	2470	ug/kg	74.0%	(24 - 130)
1,2-Dichloroethane-d4	27.5	ug/kg	88.0%	(56 - 124)
Dibromofluoromethane	27.3	ug/kg	87.0%	(62 - 123)
Toluene-d8	28.6	ug/kg	92.0%	(59 - 131)
Decachlorobiphenyl	.061	mg/kg	73.0%	(30 - 150)
2-Fluorobiphenyl	1130	ug/kg	68.0%	(40 - 113)
2-Fluorophenol	2320	ug/kg	70.0%	(25 - 110)
Nitrobenzene-d5	1170	ug/kg	71.0%	(36 - 113)
Phenol-d5	2470	ug/kg	74.0%	(28 - 111)
4-Bromofluorobenzene	28.7	ug/kg	92.0%	(51 - 128)

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Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **B-SS2[6]**
Date Collected: 07/17/07 15:45

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Surrogates (continued)	**Result**	**Units**	**Recovery**	**Limits**
Tetrachloro-m-xylene	.071	mg/kg	85.0%	(30 - 136)
Terphenyl-d14	1290	ug/kg	78.0%	(35 - 135)

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Raymond J. Martrano
Laboratory Manager

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Certificate of Analysis

August 2, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID#: **9694212**

PO#: 07214

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-Total Lead**

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Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis. Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan.

A result of ND indicates that the analyte was Not Detected at the Reporting Detection Limit (RDL). The RDL, by default, is equivalent to the Practical Quantitation Limit (PQL) or may be equivalent to the Method Detection Limit (MDL), if specifically requested by the customer.

Qualifier Flags - These flags may follow individual results for a specific analyte
- U - Indicates that the analyte was not detected
- J - Indicates an estimated value between the MDL and PQL

Note: This cover letter and the attached Chain-of-Custody document is included as part of the Analytical Report and must be retained as a permanent record thereof.

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Laboratory Manager

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ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9694212001**
Received: 07/18/07 14:07
Discard: 08/16/07
Page: 2 Of 11

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-Total Lead**

PO#: 07214
COC Number:

Sample ID: **C-SS1[6]**
Date Collected: 07/18/07 09:45

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
WET CHEMISTRY								
Moisture	11.9	%	0.1	SM20-2540 G	07/19/07 00:45	07/19/07	MWO	A
Total Solids	88.1	%	0.1	SM20-2540 G	07/19/07 00:45	07/19/07	MWO	A
METALS								
Lead, Total	349	mg/kg	1	SW846 6010B	07/27/07 11:28	07/26/07	JWK	A

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ARM Group Inc.
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Hershey, PA 17033

Lab ID #: **9694212002**
Received: 07/18/07 14:07
Discard: 08/16/07
Page: 3 Of 11
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-Total Lead**

Sample ID: **C-SS2[6]**
Date Collected: 07/18/07 09:55

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
WET CHEMISTRY								
Moisture	15.3	%	0.1	SM20-2540 G	07/19/07 00:45	07/19/07	MWO	A
Total Solids	84.7	%	0.1	SM20-2540 G	07/19/07 00:45	07/19/07	MWO	A
METALS								
Pb, Total	563	mg/kg	1	SW846 6010B	07/27/07 11:34	07/26/07	JWK	A

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Lab ID #: **9694212003**
Received: 07/18/07 14:07
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Page: 4 Of 11

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-Total Lead**

PO#: 07214
COC Number:

Sample ID: **C-SS3[6]**
Date Collected: 07/18/07 10:00

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
WET CHEMISTRY								
Moisture	17.4	%	0.1	SM20-2540 G	07/19/07 00:45	07/19/07	MWO	A
Total Solids	82.6	%	0.1	SM20-2540 G	07/19/07 00:45	07/19/07	MWO	A
METALS								
Lead, Total	658	mg/kg	1	SW846 6010B	07/27/07 11:40	07/26/07	JWK	A

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Lab ID #: **9694212004**
Received: 07/18/07 14:07
Discard: 08/16/07
Page: 5 Of 11
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-Total Lead**

Sample ID: **C-SS4[6]**
Date Collected: 07/18/07 10:05

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
WET CHEMISTRY								
Moisture	10.5	%	0.1	SM20-2540 G	07/19/07 00:45	07/19/07	MWO	A
Total Solids	89.5	%	0.1	SM20-2540 G	07/19/07 00:45	07/19/07	MWO	A
TALS								
d, Total	554	mg/kg	0.8	SW846 6010B	07/27/07 11:46	07/26/07	JWK	A

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Lab ID #: **9694212005**
Received: 07/18/07 14:07
Discard: 08/16/07
Page: 6 Of 11

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-Total Lead**

PO#: 07214
COC Number:

Sample ID: **C-SS5[6]**
Date Collected: 07/18/07 10:10

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
WET CHEMISTRY								
Moisture	19.6	%	0.1	SM20-2540 G	07/19/07 00:45	07/19/07	MWO	A
Total Solids	80.4	%	0.1	SM20-2540 G	07/19/07 00:45	07/19/07	MWO	A
METALS								
Lead, Total	1000	mg/kg	1	SW846 6010B	07/31/07 16:05	07/27/07	JWK	A1

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Lab ID #: **9694212006**
Received: 07/18/07 14:07
Discard: 08/16/07
Page: 7 Of 11
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-Total Lead**

Sample ID: **C-SS6[6]**
Date Collected: 07/18/07 10:15

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
WET CHEMISTRY								
Moisture	17.4	%	0.1	SM20-2540 G	07/19/07 00:45	07/19/07	MWO	A
Total Solids	82.6	%	0.1	SM20-2540 G	07/19/07 00:45	07/19/07	MWO	A
METALS								
Lead, Total	749	mg/kg	2	SW846 6010B	07/31/07 16:10	07/27/07	JWK	A1

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Lab ID #: **9694212007**
Received: 07/18/07 14:07
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Page: 8 Of 11

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-Total Lead**

PO#: 07214
COC Number:

Sample ID: **C-SS7[20]**
Date Collected: 07/18/07 10:30

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
WET CHEMISTRY								
Moisture	1.9	%	0.1	SM20-2540 G	07/19/07 00:45	07/19/07	MWO	A
Total Solids	98.1	%	0.1	SM20-2540 G	07/19/07 00:45	07/19/07	MWO	A
METALS								
Lead, Total	17	mg/kg	4	SW846 6010B	08/01/07 01:05	07/27/07	TED	A1

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Lab ID #: **9694212008**
Received: 07/18/07 14:07
Discard: 08/16/07
Page: 9 Of 11

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-Total Lead**

PO#: 07214
COC Number:

Sample ID: **C-SS8[16]**
Date Collected: 07/18/07 11:00

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
WET CHEMISTRY								
Moisture	18.1	%	0.1	SM20-2540 G	07/19/07 00:45	07/19/07	MWO	A
Total Solids	81.9	%	0.1	SM20-2540 G	07/19/07 00:45	07/19/07	MWO	A
METALS								
Pb, Total	1040	mg/kg	0.8	SW846 6010B	07/31/07 16:45	07/27/07	JWK	A1

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Lab ID #: **9694212009**
Received: 07/18/07 14:07
Discard: 08/16/07
Page: 10 Of 11

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
PO#: 07214
Workorder ID: **Soils-Total Lead**
COC Number:

Sample ID: **C-SS9[22]**
Matrix: Solid
Date Collected: 07/18/07 11:15
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
WET CHEMISTRY								
Moisture	8.9	%	0.1	SM20-2540 G	07/19/07 00:45	07/19/07	MWO	A
Total Solids	91.1	%	0.1	SM20-2540 G	07/19/07 00:45	07/19/07	MWO	A
METALS								
Lead, Total	14	mg/kg	1	SW846 6010B	07/31/07 16:51	07/27/07	JWK	A1

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ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9694212010**
Received: 07/18/07 14:07
Discard: 08/16/07
Page: 11 Of 11
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-Total Lead**

Sample ID: **C-SS10[24]**
Date Collected: 07/18/07 11:25

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
WET CHEMISTRY								
Moisture	18.9	%	0.1	SM20-2540 G	07/19/07 00:45	07/19/07	MWO	A
Total Solids	81.1	%	0.1	SM20-2540 G	07/19/07 00:45	07/19/07	MWO	A
METALS								
Pb, Total	19	mg/kg	1	SW846 6010B	07/31/07 16:57	07/27/07	JWK	A1

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August 2, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID#: **9694438**

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214

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Qualifier Flags - These flags may follow individual results for a specific analyte
- U - Indicates that the analyte was not detected
- J - Indicates an estimated value between the MDL and PQL

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Hershey, PA 17033

Lab ID #: **9694438001**
Received: 07/19/07 16:32
Discard: 08/16/07
Page: 2 Of 25
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **D-SB2[11.5]**
Date Collected: 07/19/07 11:20

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS								
Acetone	45.0	ug/kg	26.4	8260/5035	07/24/07 22:08	07/19/07	ECR	B
Benzene	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
Bromochloromethane	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
odichloromethane	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
moform	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
Bromomethane	ND	ug/kg	4.2	8260/5035	07/24/07 22:08	07/19/07	ECR	B
2-Butanone	ND	ug/kg	10.5	8260/5035	07/24/07 22:08	07/19/07	ECR	B
Carbon Disulfide	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
Carbon Tetrachloride	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
Chlorobenzene	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
Chlorodibromomethane	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
Chloroethane	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
Chloroform	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
Chloromethane	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.2	8260/5035	07/24/07 22:08	07/19/07	ECR	B
1,2-Dibromoethane	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
1,1-Dichloroethane	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
1,2-Dichloroethane	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
1,1-Dichloroethene	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
cis-1,2-Dichloroethene	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B

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Lab ID #: **9694438001**
Received: 07/19/07 16:32
Discard: 08/16/07

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **D-SB2[11.5]**
Date Collected: 07/19/07 11:20

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS (continued)								
trans-1,2-Dichloroethene	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
1,2-Dichloropropane	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
cis-1,3-Dichloropropene	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
trans-1,3-Dichloropropene	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
Ethylbenzene	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
2-Hexanone	ND	ug/kg	10.5	8260/5035	07/24/07 22:08	07/19/07	ECR	B
4-Methyl-2-Pentanone(MIBK)	ND	ug/kg	10.5	8260/5035	07/24/07 22:08	07/19/07	ECR	B
Methylene Chloride	2.8	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
Styrene	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
Tetrachloroethene	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
Toluene	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
Total Xylenes	ND	ug/kg	6.3	8260/5035	07/24/07 22:08	07/19/07	ECR	B
1,1,1-Trichloroethane	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
1,1,2-Trichloroethane	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
Trichloroethene	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
Vinyl Chloride	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
o-Xylene	ND	ug/kg	2.1	8260/5035	07/24/07 22:08	07/19/07	ECR	B
mp-Xylene	ND	ug/kg	4.2	8260/5035	07/24/07 22:08	07/19/07	ECR	B

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Certificate of Analysis

August 2, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9694438001**
Received: 07/19/07 16:32
Discard: 08/16/07
Page: 4 Of 25
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **D-SB2[11.5]**
Date Collected: 07/19/07 11:20

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES								
Acenaphthene	ND	ug/kg	93	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Acenaphthylene	ND	ug/kg	93	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Anthracene	ND	ug/kg	93	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Benzo(a)anthracene	ND	ug/kg	93	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Benzo(a)pyrene	ND	ug/kg	93	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Benzo(b)fluoranthene	ND	ug/kg	93	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Benzo(g,h,i)perylene	ND	ug/kg	93	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Benzo(k)fluoranthene	ND	ug/kg	93	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
4-Bromophenyl-phenylether	ND	ug/kg	132	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Butylbenzylphthalate	ND	ug/kg	132	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Carbazole	ND	ug/kg	132	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
4-Chloro-3-methylphenol	ND	ug/kg	358	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
4-Chloroaniline	ND	ug/kg	358	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Bis(2-Chloroethoxy)methane	ND	ug/kg	132	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Bis(2-Chloroethyl)ether	ND	ug/kg	132	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
bis(2-Chloroisopropyl)ether	ND	ug/kg	132	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
2-Chloronaphthalene	ND	ug/kg	132	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
2-Chlorophenol	ND	ug/kg	358	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
4-Chlorophenyl-phenylether	ND	ug/kg	132	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Chrysene	ND	ug/kg	93	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1

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Lab ID #: **9694438001**
Received: 07/19/07 16:32
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Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **D-SB2[11.5]**
Date Collected: 07/19/07 11:20

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
mp-Cresol	ND	ug/kg	358	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
o-Cresol	ND	ug/kg	358	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Di-n-Butylphthalate	ND	ug/kg	132	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Di-n-Octylphthalate	ND	ug/kg	358	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Dibenzo(a,h)anthracene	ND	ug/kg	93	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Dibenzofuran	ND	ug/kg	132	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
1,2-Dichlorobenzene	ND	ug/kg	132	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
1,3-Dichlorobenzene	ND	ug/kg	132	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
1,4-Dichlorobenzene	ND	ug/kg	132	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
3,3-Dichlorobenzidine	ND	ug/kg	132	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
2,4-Dichlorophenol	ND	ug/kg	358	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Diethylphthalate	ND	ug/kg	132	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
2,4-Dimethylphenol	ND	ug/kg	358	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Dimethylphthalate	ND	ug/kg	132	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
2,4-Dinitrophenol	ND	ug/kg	715	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
2,4-Dinitrotoluene	ND	ug/kg	132	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
2,6-Dinitrotoluene	ND	ug/kg	132	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
bis(2-Ethylhexyl)phthalate	ND	ug/kg	132	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Fluoranthene	ND	ug/kg	93	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Fluorene	ND	ug/kg	93	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1

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Discard: 08/16/07
Page: 6 Of 25
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **D-SB2[11.5]**
Date Collected: 07/19/07 11:20

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Hexachlorobenzene	ND	ug/kg	132	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Hexachlorobutadiene	ND	ug/kg	132	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Hexachlorocyclopentadiene	ND	ug/kg	358	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Hexachloroethane	ND	ug/kg	132	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Indeno(1,2,3-cd)pyrene	ND	ug/kg	93	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Isophorone	ND	ug/kg	132	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
2-Methyl-4,6-dinitrophenol	ND	ug/kg	358	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
2-Methylnaphthalene	ND	ug/kg	93	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Naphthalene	ND	ug/kg	93	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
2-Nitroaniline	ND	ug/kg	132	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
3-Nitroaniline	ND	ug/kg	358	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
4-Nitroaniline	ND	ug/kg	358	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Nitrobenzene	ND	ug/kg	132	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
2-Nitrophenol	ND	ug/kg	358	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
4-Nitrophenol	ND	ug/kg	715	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
N-Nitroso-di-n-propylamine	ND	ug/kg	132	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
N-Nitrosodiphenylamine	ND	ug/kg	132	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Pentachlorophenol	ND	ug/kg	715	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Phenanthrene	ND	ug/kg	93	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
Phenol	ND	ug/kg	358	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1

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Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **D-SB2[11.5]**
Date Collected: 07/19/07 11:20

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Pyrene	ND	ug/kg	93	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
1,2,4-Trichlorobenzene	ND	ug/kg	132	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
2,4,5-Trichlorophenol	ND	ug/kg	358	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
2,4,6-Trichlorophenol	ND	ug/kg	358	SW846 8270C	07/30/07 15:18	07/24/07	DRS	E1
PCB'S								
Aroclor-1016	ND	mg/kg	0.042	SW846 8082	07/27/07 03:41	07/25/07	JJH	E2
Aroclor-1221	ND	mg/kg	0.042	SW846 8082	07/27/07 03:41	07/25/07	JJH	E2
Aroclor-1232	ND	mg/kg	0.042	SW846 8082	07/27/07 03:41	07/25/07	JJH	E2
Aroclor-1242	ND	mg/kg	0.042	SW846 8082	07/27/07 03:41	07/25/07	JJH	E2
Aroclor-1248	ND	mg/kg	0.042	SW846 8082	07/27/07 03:41	07/25/07	JJH	E2
Aroclor-1254	ND	mg/kg	0.042	SW846 8082	07/27/07 03:41	07/25/07	JJH	E2
Aroclor-1260	ND	mg/kg	0.042	SW846 8082	07/27/07 03:41	07/25/07	JJH	E2
WET CHEMISTRY								
Moisture	24.5	%	0.1	SM20-2540 G	07/20/07 06:00	07/20/07	KMW	E
Total Solids	75.5	%	0.1	SM20-2540 G	07/20/07 06:00	07/20/07	KMW	E

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Lab ID #: **9694438001**
Received: 07/19/07 16:32
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Page: 8 Of 25
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **D-SB2[11.5]**
Date Collected: 07/19/07 11:20

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
METALS								
Arsenic, Total	4	mg/kg	3	SW846 6010B	07/31/07 17:48	07/27/07	JWK	E3
Barium, Total	20	mg/kg	1	SW846 6010B	07/31/07 17:48	07/27/07	JWK	E3
Cadmium, Total	1.3	mg/kg	0.6	SW846 6010B	07/31/07 17:48	07/27/07	JWK	E3
Chromium, Total	7.0	mg/kg	1.2	SW846 6010B	07/31/07 17:48	07/27/07	JWK	E3
Lead, Total	19	mg/kg	1	SW846 6010B	07/31/07 17:48	07/27/07	JWK	E3
Mercury, Total	ND	mg/kg	0.22	SW846 7471B	07/31/07 09:11	07/30/07	CMD	E4
Selenium, Total	ND	mg/kg	6	SW846 6010B	08/01/07 20:17	07/27/07	JVU	E3
Silver, Total	ND	mg/kg	0.6	SW846 6010B	07/31/07 17:48	07/27/07	JWK	E3

Surrogates	Result	Units	Recovery	Limits
2,4,6-Tribromophenol	1990	ug/kg	60.0%	(24 - 130)
1,2-Dichloroethane-d4	20.1	ug/kg	84.0%	(56 - 124)
Dibromofluoromethane	20.2	ug/kg	85.0%	(62 - 123)
Toluene-d8	21.1	ug/kg	88.0%	(59 - 131)
Decachlorobiphenyl	.066	mg/kg	83.0%	(30 - 150)
2-Fluorobiphenyl	909	ug/kg	55.0%	(40 - 113)
2-Fluorophenol	1740	ug/kg	52.0%	(25 - 110)
Nitrobenzene-d5	1060	ug/kg	63.0%	(36 - 113)
Phenol-d5	2100	ug/kg	63.0%	(28 - 111)
4-Bromofluorobenzene	20.6	ug/kg	86.0%	(51 - 128)

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Page: 9 Of 25

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **D-SB2[11.5]**
Date Collected: 07/19/07 11:20

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Surrogates (continued)	**Result**	**Units**	**Recovery**	**Limits**
Tetrachloro-m-xylene	.066	mg/kg	83.0%	(30 - 136)
Terphenyl-d14	1080	ug/kg	65.0%	(35 - 135)

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Raymond J. Martrano
Laboratory Manager

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Lab ID #: **9694438002**
Received: 07/19/07 16:32
Discard: 08/16/07
Page: 10 Of 25
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **D-SB5[7.5]**
Date Collected: 07/19/07 14:50

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS								
Acetone	ND	ug/kg	522	8260/5035	07/26/07 17:04	07/19/07	JAH	A
Benzene	8380	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
Bromochloromethane	ND	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
Bromodichloromethane	ND	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
Bromoform	ND	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
Bromomethane	ND	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
2-Butanone	ND	ug/kg	522	8260/5035	07/26/07 17:04	07/19/07	JAH	A
Carbon Disulfide	ND	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
Carbon Tetrachloride	ND	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
Chlorobenzene	ND	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
Chlorodibromomethane	ND	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
Chloroethane	ND	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
Chloroform	ND	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
Chloromethane	ND	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
1,2-Dibromo-3-chloropropane	ND	ug/kg	365	8260/5035	07/26/07 17:04	07/19/07	JAH	A
1,2-Dibromoethane	ND	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
1,1-Dichloroethane	ND	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
1,2-Dichloroethane	ND	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
1,1-Dichloroethene	ND	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
cis-1,2-Dichloroethene	ND	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A

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Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **D-SB5[7.5]**
Date Collected: 07/19/07 14:50

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS (continued)								
trans-1,2-Dichloroethene	ND	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
1,2-Dichloropropane	ND	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
cis-1,3-Dichloropropene	ND	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
trans-1,3-Dichloropropene	ND	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
Ethylbenzene	3860	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
2-Hexanone	ND	ug/kg	261	8260/5035	07/26/07 17:04	07/19/07	JAH	A
4-Methyl-2-Pentanone(MIBK)	ND	ug/kg	261	8260/5035	07/26/07 17:04	07/19/07	JAH	A
Methylene Chloride	ND	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
Styrene	ND	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
1,1,2,2-Tetrachloroethane	ND	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
Tetrachloroethene	ND	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
Toluene	8110	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
Total Xylenes	9670	ug/kg	156	8260/5035	07/26/07 17:04	07/19/07	JAH	A
1,1,1-Trichloroethane	ND	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
1,1,2-Trichloroethane	ND	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
Trichloroethene	ND	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
Vinyl Chloride	ND	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
o-Xylene	1750	ug/kg	52.2	8260/5035	07/26/07 17:04	07/19/07	JAH	A
mp-Xylene	7920	ug/kg	104	8260/5035	07/26/07 17:04	07/19/07	JAH	A

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Certificate of Analysis

August 2, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9694438002**
Received: 07/19/07 16:32
Discard: 08/16/07
Page: 12 Of 25
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **D-SB5[7.5]**
Date Collected: 07/19/07 14:50

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES								
Acenaphthene	347	ug/kg	83	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
Acenaphthylene	104	ug/kg	83	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
Anthracene	174	ug/kg	83	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
Benzo(a)anthracene	ND	ug/kg	83	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
Benzo(a)pyrene	ND	ug/kg	83	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
Benzo(b)fluoranthene	ND	ug/kg	83	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
Benzo(g,h,i)perylene	ND	ug/kg	83	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
Benzo(k)fluoranthene	ND	ug/kg	83	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
4-Bromophenyl-phenylether	ND	ug/kg	119	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
Butylbenzylphthalate	ND	ug/kg	119	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
Carbazole	ND	ug/kg	119	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
4-Chloro-3-methylphenol	ND	ug/kg	321	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
4-Chloroaniline	ND	ug/kg	321	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
Bis(2-Chloroethoxy)methane	ND	ug/kg	119	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
Bis(2-Chloroethyl)ether	ND	ug/kg	119	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
bis(2-Chloroisopropyl)ether	ND	ug/kg	119	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
2-Chloronaphthalene	ND	ug/kg	119	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
2-Chlorophenol	ND	ug/kg	321	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
4-Chlorophenyl-phenylether	ND	ug/kg	119	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
Chrysene	ND	ug/kg	83	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1

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Lab ID #: **9694438002**
Received: 07/19/07 16:32
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Project Name: **YORK RDA - NORTHWEST TRIANGLE**
PO#: 07214
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**
COC Number:

Sample ID: **D-SB5[7.5]**
Matrix: Solid
Date Collected: 07/19/07 14:50
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
mp-Cresol	ND	ug/kg	321	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
o-Cresol	ND	ug/kg	321	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
Di-n-Butylphthalate	ND	ug/kg	119	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
Di-n-Octylphthalate	ND	ug/kg	321	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
Dibenzo(a,h)anthracene	ND	ug/kg	83	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
Dibenzofuran	227	ug/kg	119	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
1,2-Dichlorobenzene	ND	ug/kg	119	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
1,3-Dichlorobenzene	ND	ug/kg	119	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
1,4-Dichlorobenzene	ND	ug/kg	119	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
3,3-Dichlorobenzidine	ND	ug/kg	119	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
2,4-Dichlorophenol	ND	ug/kg	321	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
Diethylphthalate	ND	ug/kg	119	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
2,4-Dimethylphenol	ND	ug/kg	321	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
Dimethylphthalate	ND	ug/kg	119	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
2,4-Dinitrophenol	ND	ug/kg	641	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
2,4-Dinitrotoluene	ND	ug/kg	119	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
2,6-Dinitrotoluene	ND	ug/kg	119	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
bis(2-Ethylhexyl)phthalate	ND	ug/kg	119	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
Fluoranthene	ND	ug/kg	83	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
Fluorene	627	ug/kg	83	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1

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Lab ID #: **9694438002**
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Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **D-SB5[7.5]**
Date Collected: 07/19/07 14:50

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Hexachlorobenzene	ND	ug/kg	119	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
Hexachlorobutadiene	ND	ug/kg	119	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
Hexachlorocyclopentadiene	ND	ug/kg	321	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
Hexachloroethane	ND	ug/kg	119	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
Indeno(1,2,3-cd)pyrene	ND	ug/kg	83	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
Isophorone	ND	ug/kg	119	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
2-Methyl-4,6-dinitrophenol	ND	ug/kg	321	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
2-Methylnaphthalene	8280	ug/kg	332	SW846 8270C	07/31/07 23:14	07/24/07	DRS	E1
Naphthalene	512	ug/kg	83	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
2-Nitroaniline	ND	ug/kg	119	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
3-Nitroaniline	ND	ug/kg	321	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
4-Nitroaniline	ND	ug/kg	321	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
Nitrobenzene	ND	ug/kg	119	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
2-Nitrophenol	ND	ug/kg	321	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
4-Nitrophenol	ND	ug/kg	641	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
N-Nitroso-di-n-propylamine	ND	ug/kg	119	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
N-Nitrosodiphenylamine	670	ug/kg	119	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
Pentachlorophenol	ND	ug/kg	641	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
Phenanthrene	2080	ug/kg	83	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
Phenol	ND	ug/kg	321	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1

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Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **D-SB5[7.5]**
Date Collected: 07/19/07 14:50

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Pyrene	195	ug/kg	83	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
1,2,4-Trichlorobenzene	ND	ug/kg	119	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
2,4,5-Trichlorophenol	ND	ug/kg	321	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
2,4,6-Trichlorophenol	ND	ug/kg	321	SW846 8270C	07/30/07 16:08	07/24/07	DRS	E1
PCB'S								
Aroclor-1016	ND	mg/kg	0.038	SW846 8082	07/27/07 04:12	07/25/07	JJH	E2
Aroclor-1221	ND	mg/kg	0.038	SW846 8082	07/27/07 04:12	07/25/07	JJH	E2
Aroclor-1232	ND	mg/kg	0.038	SW846 8082	07/27/07 04:12	07/25/07	JJH	E2
Aroclor-1242	ND	mg/kg	0.038	SW846 8082	07/27/07 04:12	07/25/07	JJH	E2
Aroclor-1248	ND	mg/kg	0.038	SW846 8082	07/27/07 04:12	07/25/07	JJH	E2
Aroclor-1254	ND	mg/kg	0.038	SW846 8082	07/27/07 04:12	07/25/07	JJH	E2
Aroclor-1260	ND	mg/kg	0.038	SW846 8082	07/27/07 04:12	07/25/07	JJH	E2
WET CHEMISTRY								
Moisture	16.1	%	0.1	SM20-2540 G	07/20/07 06:00	07/20/07	KMW	E
Total Solids	83.9	%	0.1	SM20-2540 G	07/20/07 06:00	07/20/07	KMW	E

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Lab ID #: **9694438002**
Received: 07/19/07 16:32
Discard: 08/16/07
Page: 16 Of 25
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **D-SB5[7.5]**
Date Collected: 07/19/07 14:50

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
METALS								
Arsenic, Total	6	mg/kg	3	SW846 6010B	08/01/07 01:17	07/27/07	JWK	E3
Barium, Total	51	mg/kg	1	SW846 6010B	07/31/07 17:54	07/27/07	JWK	E3
Cadmium, Total	1.2	mg/kg	0.5	SW846 6010B	07/31/07 17:54	07/27/07	JWK	E3
Chromium, Total	20.3	mg/kg	1.1	SW846 6010B	07/31/07 17:54	07/27/07	JWK	E3
Lead, Total	13	mg/kg	1	SW846 6010B	07/31/07 17:54	07/27/07	JWK	E3
Mercury, Total	ND	mg/kg	0.21	SW846 7471B	07/31/07 09:14	07/30/07	CMD	E4
Selenium, Total	ND	mg/kg	5	SW846 6010B	08/01/07 20:21	07/27/07	JVU	E3
Silver, Total	ND	mg/kg	0.5	SW846 6010B	07/31/07 17:54	07/27/07	JWK	E3

Surrogates	Result	Units	Recovery	Limits
2,4,6-Tribromophenol	2210	ug/kg	67.0%	(24 - 130)
2,4,6-Tribromophenol	1910	ug/kg	57.0%	(24 - 130)
1,2-Dichloroethane-d4	1180	ug/kg	90.0%	(71 - 146)
Dibromofluoromethane	1150	ug/kg	87.0%	(42 - 143)
Toluene-d8	1200	ug/kg	92.0%	(54 - 141)
Decachlorobiphenyl	.059	mg/kg	73.0%	(30 - 150)
2-Fluorobiphenyl	905	ug/kg	54.0%	(40 - 113)
2-Fluorobiphenyl	946	ug/kg	57.0%	(40 - 113)
2-Fluorophenol	1830	ug/kg	55.0%	(25 - 110)
2-Fluorophenol	1720	ug/kg	52.0%	(25 - 110)

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Lab ID #: **9694438002**
Received: 07/19/07 16:32
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Page: 17 Of 25

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **D-SB5[7.5]**
Date Collected: 07/19/07 14:50

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Surrogates (continued)	**Result**	**Units**	**Recovery**	**Limits**
Nitrobenzene-d5	1130	ug/kg	68.0%	(36 - 113)
Nitrobenzene-d5	1050	ug/kg	63.0%	(36 - 113)
Phenol-d5	2130	ug/kg	64.0%	(28 - 111)
Phenol-d5	2050	ug/kg	62.0%	(28 - 111)
4-Bromofluorobenzene	1080	ug/kg	82.0%	(46 - 138)
Tetrachloro-m-xylene	.051	mg/kg	63.0%	(30 - 136)
Terphenyl-d14	980	ug/kg	59.0%	(35 - 135)
Terphenyl-d14	809	ug/kg	49.0%	(35 - 135)

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Raymond J. Martrano
Laboratory Manager

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Lab ID #: **9694438003**
Received: 07/19/07 16:32
Discard: 08/16/07

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **D-SB6[6]**
Date Collected: 07/19/07 15:25

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS								
Acetone	33.9	ug/kg	23.3	8260/5035	07/26/07 02:52	07/19/07	JAH	C
Benzene	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
Bromochloromethane	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
Bromodichloromethane	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
Bromoform	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
Bromomethane	ND	ug/kg	3.7	8260/5035	07/26/07 02:52	07/19/07	JAH	C
2-Butanone	ND	ug/kg	9.3	8260/5035	07/26/07 02:52	07/19/07	JAH	C
Carbon Disulfide	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
Carbon Tetrachloride	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
Chlorobenzene	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
Chlorodibromomethane	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
Chloroethane	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
Chloroform	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
Chloromethane	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
1,2-Dibromo-3-chloropropane	ND	ug/kg	3.7	8260/5035	07/26/07 02:52	07/19/07	JAH	C
1,2-Dibromoethane	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
1,1-Dichloroethane	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
1,2-Dichloroethane	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
1,1-Dichloroethene	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
cis-1,2-Dichloroethene	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C

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Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **D-SB6[6]**
Date Collected: 07/19/07 15:25

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS (continued)								
trans-1,2-Dichloroethene	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
1,2-Dichloropropane	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
cis-1,3-Dichloropropene	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
trans-1,3-Dichloropropene	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
Ethylbenzene	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
2-Hexanone	ND	ug/kg	9.3	8260/5035	07/26/07 02:52	07/19/07	JAH	C
4-Methyl-2-Pentanone(MIBK)	ND	ug/kg	9.3	8260/5035	07/26/07 02:52	07/19/07	JAH	C
Methylene Chloride	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
Styrene	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
1,1,2,2-Tetrachloroethane	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
Tetrachloroethene	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
Toluene	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
Total Xylenes	ND	ug/kg	5.6	8260/5035	07/26/07 02:52	07/19/07	JAH	C
1,1,1-Trichloroethane	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
1,1,2-Trichloroethane	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
Trichloroethene	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
Vinyl Chloride	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
o-Xylene	ND	ug/kg	1.9	8260/5035	07/26/07 02:52	07/19/07	JAH	C
mp-Xylene	ND	ug/kg	3.7	8260/5035	07/26/07 02:52	07/19/07	JAH	C

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Certificate of Analysis

August 2, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9694438003**
Received: 07/19/07 16:32
Discard: 08/16/07
Page: 20 Of 25
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **D-SB6[6]**
Date Collected: 07/19/07 15:25

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES								
Acenaphthene	ND	ug/kg	86	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Acenaphthylene	ND	ug/kg	86	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Anthracene	ND	ug/kg	86	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Benzo(a)anthracene	ND	ug/kg	86	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Benzo(a)pyrene	ND	ug/kg	86	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Benzo(b)fluoranthene	ND	ug/kg	86	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Benzo(g,h,i)perylene	ND	ug/kg	86	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Benzo(k)fluoranthene	ND	ug/kg	86	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
4-Bromophenyl-phenylether	ND	ug/kg	123	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Butylbenzylphthalate	ND	ug/kg	123	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Carbazole	ND	ug/kg	123	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
4-Chloro-3-methylphenol	ND	ug/kg	332	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
4-Chloroaniline	ND	ug/kg	332	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Bis(2-Chloroethoxy)methane	ND	ug/kg	123	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Bis(2-Chloroethyl)ether	ND	ug/kg	123	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
bis(2-Chloroisopropyl)ether	ND	ug/kg	123	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
2-Chloronaphthalene	ND	ug/kg	123	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
2-Chlorophenol	ND	ug/kg	332	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
4-Chlorophenyl-phenylether	ND	ug/kg	123	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Chrysene	ND	ug/kg	86	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1

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Certificate of Analysis

August 2, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9694438003**
Received: 07/19/07 16:32
Discard: 08/16/07

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **D-SB6[6]**
Date Collected: 07/19/07 15:25

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
mp-Cresol	ND	ug/kg	332	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
o-Cresol	ND	ug/kg	332	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Di-n-Butylphthalate	ND	ug/kg	123	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Di-n-Octylphthalate	ND	ug/kg	332	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Dibenzo(a,h)anthracene	ND	ug/kg	86	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Dibenzofuran	ND	ug/kg	123	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
1,2-Dichlorobenzene	ND	ug/kg	123	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
1,3-Dichlorobenzene	ND	ug/kg	123	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
1,4-Dichlorobenzene	ND	ug/kg	123	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
3,3-Dichlorobenzidine	ND	ug/kg	123	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
2,4-Dichlorophenol	ND	ug/kg	332	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Diethylphthalate	ND	ug/kg	123	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
2,4-Dimethylphenol	ND	ug/kg	332	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Dimethylphthalate	ND	ug/kg	123	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
2,4-Dinitrophenol	ND	ug/kg	664	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
2,4-Dinitrotoluene	ND	ug/kg	123	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
2,6-Dinitrotoluene	ND	ug/kg	123	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
bis(2-Ethylhexyl)phthalate	ND	ug/kg	123	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Fluoranthene	ND	ug/kg	86	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Fluorene	ND	ug/kg	86	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1

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Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9694438003**
Received: 07/19/07 16:32
Discard: 08/16/07
Page: 22 Of 25
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **D-SB6[6]**
Date Collected: 07/19/07 15:25

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Hexachlorobenzene	ND	ug/kg	123	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Hexachlorobutadiene	ND	ug/kg	123	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Hexachlorocyclopentadiene	ND	ug/kg	332	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Hexachloroethane	ND	ug/kg	123	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Indeno(1,2,3-cd)pyrene	ND	ug/kg	86	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Isophorone	ND	ug/kg	123	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
2-Methyl-4,6-dinitrophenol	ND	ug/kg	332	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
2-Methylnaphthalene	ND	ug/kg	86	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Naphthalene	ND	ug/kg	86	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
2-Nitroaniline	ND	ug/kg	123	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
3-Nitroaniline	ND	ug/kg	332	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
4-Nitroaniline	ND	ug/kg	332	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Nitrobenzene	ND	ug/kg	123	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
2-Nitrophenol	ND	ug/kg	332	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
4-Nitrophenol	ND	ug/kg	664	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
N-Nitroso-di-n-propylamine	ND	ug/kg	123	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
N-Nitrosodiphenylamine	ND	ug/kg	123	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Pentachlorophenol	ND	ug/kg	664	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Phenanthrene	ND	ug/kg	86	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
Phenol	ND	ug/kg	332	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1

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ARM Group Inc.
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Hershey, PA 17033

Lab ID #: **9694438003**
Received: 07/19/07 16:32
Discard: 08/16/07

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **D-SB6[6]**
Date Collected: 07/19/07 15:25

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Pyrene	ND	ug/kg	86	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
1,2,4-Trichlorobenzene	ND	ug/kg	123	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
2,4,5-Trichlorophenol	ND	ug/kg	332	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
2,4,6-Trichlorophenol	ND	ug/kg	332	SW846 8270C	07/28/07 08:31	07/24/07	TTR	E1
PCB'S								
Aroclor-1016	ND	mg/kg	0.041	SW846 8082	07/27/07 04:44	07/25/07	JJH	E2
Aroclor-1221	ND	mg/kg	0.041	SW846 8082	07/27/07 04:44	07/25/07	JJH	E2
Aroclor-1232	ND	mg/kg	0.041	SW846 8082	07/27/07 04:44	07/25/07	JJH	E2
Aroclor-1242	ND	mg/kg	0.041	SW846 8082	07/27/07 04:44	07/25/07	JJH	E2
Aroclor-1248	ND	mg/kg	0.041	SW846 8082	07/27/07 04:44	07/25/07	JJH	E2
Aroclor-1254	ND	mg/kg	0.041	SW846 8082	07/27/07 04:44	07/25/07	JJH	E2
Aroclor-1260	ND	mg/kg	0.041	SW846 8082	07/27/07 04:44	07/25/07	JJH	E2
WET CHEMISTRY								
Moisture	18.9	%	0.1	SM20-2540 G	07/20/07 06:00	07/20/07	KMW	E
Total Solids	81.1	%	0.1	SM20-2540 G	07/20/07 06:00	07/20/07	KMW	E

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ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9694438003**
Received: 07/19/07 16:32
Discard: 08/16/07
Page: 24 Of 25

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **D-SB6[6]**
Date Collected: 07/19/07 15:25

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
METALS								
Arsenic, Total	5	mg/kg	2	SW846 6010B	08/01/07 02:12	07/27/07	JWK	E3
Barium, Total	151	mg/kg	0.9	SW846 6010B	07/31/07 18:00	07/27/07	JWK	E3
Cadmium, Total	0.8	mg/kg	0.5	SW846 6010B	07/31/07 18:00	07/27/07	JWK	E3
Chromium, Total	19.6	mg/kg	0.9	SW846 6010B	07/31/07 18:00	07/27/07	JWK	E3
Lead, Total	36	mg/kg	0.9	SW846 6010B	07/31/07 18:00	07/27/07	JWK	E3
Mercury, Total	0.24	mg/kg	0.21	SW846 7471B	07/31/07 09:38	07/30/07	CMD	E4
Selenium, Total	ND	mg/kg	5	SW846 6010B	08/01/07 20:26	07/27/07	JVU	E3
Silver, Total	ND	mg/kg	0.5	SW846 6010B	07/31/07 18:00	07/27/07	JWK	E3

Surrogates	Result	Units	Recovery	Limits
2,4,6-Tribromophenol	1590	ug/kg	48.0%	(24 - 130)
1,2-Dichloroethane-d4	19.9	ug/kg	88.0%	(56 - 124)
Dibromofluoromethane	19	ug/kg	84.0%	(62 - 123)
Toluene-d8	20.4	ug/kg	90.0%	(59 - 131)
Decachlorobiphenyl	.06	mg/kg	73.0%	(30 - 150)
2-Fluorobiphenyl	705	ug/kg	42.0%	(40 - 113)
2-Fluorophenol	1340	ug/kg	40.0%	(25 - 110)
Nitrobenzene-d5	767	ug/kg	46.0%	(36 - 113)
Phenol-d5	1470	ug/kg	44.0%	(28 - 111)
4-Bromofluorobenzene	19.5	ug/kg	86.0%	(51 - 128)

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ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9694438003**
Received: 07/19/07 16:32
Discard: 08/16/07
Page: 25 Of 25

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **D-SB6[6]**
Date Collected: 07/19/07 15:25

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Surrogates (continued)	**Result**	**Units**	**Recovery**	**Limits**
Tetrachloro-m-xylene	.06	mg/kg	72.0%	(30 - 136)
Terphenyl-d14	1000	ug/kg	60.0%	(35 - 135)

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Raymond J. Martrano
Laboratory Manager

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Certificate of Analysis

August 2, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID#: **9694772**

PO#: 07214

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

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Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis. Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan.

A result of ND indicates that the analyte was Not Detected at the Reporting Detection Limit (RDL). The RDL, by default, is equivalent to the Practical Quantitation Limit (PQL) or may be equivalent to the Method Detection Limit (MDL), if specifically requested by the customer.

Qualifier Flags - These flags may follow individual results for a specific analyte
- U - Indicates that the analyte was not detected
- J - Indicates an estimated value between the MDL and PQL

Note: This cover letter and the attached Chain-of-Custody document is included as part of the Analytical Report and must be retained as a permanent record thereof.

Raymond J. Martrano
Laboratory Manager

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Certificate of Analysis

August 2, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9694772001**
Received: 07/20/07 14:55
Discard: 08/16/07

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A3-SS1 [1.0]**
Date Collected: 07/20/07 09:05

Matrix: Solid
Collected by: Collected by Customer

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS								
Acetone	ND	ug/kg	26.4	8260/5035	07/25/07 00:11	07/20/07	ECR	B
Benzene	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
Bromochloromethane	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
Bromodichloromethane	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
Bromoform	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
Bromomethane	ND	ug/kg	4.2	8260/5035	07/25/07 00:11	07/20/07	ECR	B
2-Butanone	ND	ug/kg	10.5	8260/5035	07/25/07 00:11	07/20/07	ECR	B
Carbon Disulfide	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
Carbon Tetrachloride	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
Chlorobenzene	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
Chlorodibromomethane	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
Chloroethane	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
Chloroform	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
Chloromethane	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.2	8260/5035	07/25/07 00:11	07/20/07	ECR	B
1,2-Dibromoethane	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
1,1-Dichloroethane	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
1,2-Dichloroethane	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
1,1-Dichloroethene	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
cis-1,2-Dichloroethene	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B

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Certificate of Analysis

August 2, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9694772001**
Received: 07/20/07 14:55
Discard: 08/16/07
Page: 3 Of 29
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **A3-SS1 [1.0]**
Date Collected: 07/20/07 09:05

Matrix: Solid
Collected by: Collected by Customer

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS (continued)								
trans-1,2-Dichloroethene	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
1,2-Dichloropropane	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
cis-1,3-Dichloropropene	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
trans-1,3-Dichloropropene	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
Ethylbenzene	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
2-Hexanone	ND	ug/kg	10.5	8260/5035	07/25/07 00:11	07/20/07	ECR	B
4-Methyl-2-Pentanone(MIBK)	ND	ug/kg	10.5	8260/5035	07/25/07 00:11	07/20/07	ECR	B
Methylene Chloride	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
Styrene	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
Tetrachloroethene	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
Toluene	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
Total Xylenes	ND	ug/kg	6.3	8260/5035	07/25/07 00:11	07/20/07	ECR	B
1,1,1-Trichloroethane	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
1,1,2-Trichloroethane	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
Trichloroethene	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
Vinyl Chloride	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
o-Xylene	ND	ug/kg	2.1	8260/5035	07/25/07 00:11	07/20/07	ECR	B
mp-Xylene	ND	ug/kg	4.2	8260/5035	07/25/07 00:11	07/20/07	ECR	B

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Page: 4 Of 29

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A3-SS1 [1.0]**
Date Collected: 07/20/07 09:05

Matrix: Solid
Collected by: Collected by Customer

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES								
Acenaphthene	ND	ug/kg	74	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Acenaphthylene	75	ug/kg	74	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Anthracene	153	ug/kg	74	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Benzo(a)anthracene	654	ug/kg	74	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Benzo(a)pyrene	620	ug/kg	74	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Benzo(b)fluoranthene	826	ug/kg	74	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Benzo(g,h,i)perylene	ND	ug/kg	74	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Benzo(k)fluoranthene	918	ug/kg	74	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
4-Bromophenyl-phenylether	ND	ug/kg	105	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Butylbenzylphthalate	ND	ug/kg	105	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Carbazole	ND	ug/kg	105	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
4-Chloro-3-methylphenol	ND	ug/kg	284	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
4-Chloroaniline	ND	ug/kg	284	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Bis(2-Chloroethoxy)methane	ND	ug/kg	105	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Bis(2-Chloroethyl)ether	ND	ug/kg	105	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
bis(2-Chloroisopropyl)ether	ND	ug/kg	105	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
2-Chloronaphthalene	ND	ug/kg	105	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
2-Chlorophenol	ND	ug/kg	284	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
4-Chlorophenyl-phenylether	ND	ug/kg	105	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Chrysene	720	ug/kg	74	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1

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Sample ID: **A3-SS1 [1.0]**
Date Collected: 07/20/07 09:05

Matrix: Solid
Collected by: Collected by Customer

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
mp-Cresol	ND	ug/kg	284	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
o-Cresol	ND	ug/kg	284	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Di-n-Butylphthalate	ND	ug/kg	105	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Di-n-Octylphthalate	ND	ug/kg	284	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Dibenzo(a,h)anthracene	ND	ug/kg	74	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Dibenzofuran	ND	ug/kg	105	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
1,2-Dichlorobenzene	ND	ug/kg	105	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
1,3-Dichlorobenzene	ND	ug/kg	105	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
1,4-Dichlorobenzene	ND	ug/kg	105	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
3,3-Dichlorobenzidine	ND	ug/kg	105	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
2,4-Dichlorophenol	ND	ug/kg	284	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Diethylphthalate	ND	ug/kg	105	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
2,4-Dimethylphenol	ND	ug/kg	284	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Dimethylphthalate	ND	ug/kg	105	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
2,4-Dinitrophenol	ND	ug/kg	569	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
2,4-Dinitrotoluene	ND	ug/kg	105	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
2,6-Dinitrotoluene	ND	ug/kg	105	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
bis(2-Ethylhexyl)phthalate	ND	ug/kg	105	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Fluoranthene	1590	ug/kg	74	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Fluorene	ND	ug/kg	74	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1

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Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A3-SS1 [1.0]**
Date Collected: 07/20/07 09:05

Matrix: Solid
Collected by: Collected by Customer

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Hexachlorobenzene	ND	ug/kg	105	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Hexachlorobutadiene	ND	ug/kg	105	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Hexachlorocyclopentadiene	ND	ug/kg	284	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Hexachloroethane	ND	ug/kg	105	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Indeno(1,2,3-cd)pyrene	93	ug/kg	74	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Isophorone	ND	ug/kg	105	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
2-Methyl-4,6-dinitrophenol	ND	ug/kg	284	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
2-Methylnaphthalene	ND	ug/kg	74	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Naphthalene	ND	ug/kg	74	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
2-Nitroaniline	ND	ug/kg	105	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
3-Nitroaniline	ND	ug/kg	284	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
4-Nitroaniline	ND	ug/kg	284	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Nitrobenzene	ND	ug/kg	105	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
2-Nitrophenol	ND	ug/kg	284	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
4-Nitrophenol	ND	ug/kg	569	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
N-Nitroso-di-n-propylamine	ND	ug/kg	105	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
N-Nitrosodiphenylamine	ND	ug/kg	105	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Pentachlorophenol	ND	ug/kg	569	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Phenanthrene	819	ug/kg	74	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
Phenol	ND	ug/kg	284	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1

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Lab ID #: **9694772001**
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Page: 7 Of 29
PO#: 07214
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Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **A3-SS1 [1.0]**
Date Collected: 07/20/07 09:05

Matrix: Solid
Collected by: Collected by Customer

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Pyrene	1260	ug/kg	74	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
1,2,4-Trichlorobenzene	ND	ug/kg	105	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
2,4,5-Trichlorophenol	ND	ug/kg	284	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
2,4,6-Trichlorophenol	ND	ug/kg	284	SW846 8270C	07/31/07 21:35	07/24/07	DRS	E1
PCB'S								
Aroclor-1016	ND	mg/kg	0.036	SW846 8082	07/27/07 10:48	07/25/07	JJH	E2
Aroclor-1221	ND	mg/kg	0.036	SW846 8082	07/27/07 10:48	07/25/07	JJH	E2
Aroclor-1232	ND	mg/kg	0.036	SW846 8082	07/27/07 10:48	07/25/07	JJH	E2
Aroclor-1242	ND	mg/kg	0.036	SW846 8082	07/27/07 10:48	07/25/07	JJH	E2
Aroclor-1248	ND	mg/kg	0.036	SW846 8082	07/27/07 10:48	07/25/07	JJH	E2
Aroclor-1254	ND	mg/kg	0.036	SW846 8082	07/27/07 10:48	07/25/07	JJH	E2
Aroclor-1260	ND	mg/kg	0.036	SW846 8082	07/27/07 10:48	07/25/07	JJH	E2
WET CHEMISTRY								
Moisture	7.5	%	0.1	SM20-2540 G	07/22/07 16:29	07/22/07	NMM	E
Total Solids	92.5	%	0.1	SM20-2540 G	07/22/07 16:29	07/22/07	NMM	E

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Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A3-SS1 [1.0]**
Date Collected: 07/20/07 09:05

Matrix: Solid
Collected by: Collected by Customer

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
METALS								
Arsenic, Total	ND	mg/kg	5	SW846 6010B	08/01/07 09:25	07/30/07	TED	E3
Barium, Total	58	mg/kg	1	SW846 6010B	08/01/07 05:07	07/30/07	TED	E3
Cadmium, Total	0.9	mg/kg	0.5	SW846 6010B	08/01/07 05:07	07/30/07	TED	E3
Chromium, Total	6.5	mg/kg	1	SW846 6010B	08/01/07 05:07	07/30/07	TED	E3
Lead, Total	14	mg/kg	1	SW846 6010B	08/01/07 05:07	07/30/07	TED	E3
Mercury, Total	ND	mg/kg	0.18	SW846 7471B	07/31/07 09:46	07/30/07	CMD	E4
Selenium, Total	ND	mg/kg	5	SW846 6010B	08/01/07 21:21	07/30/07	JVU	E3
Silver, Total	ND	mg/kg	0.5	SW846 6010B	08/01/07 05:07	07/30/07	TED	E3

Surrogates	Result	Units	Recovery	Limits
2,4,6-Tribromophenol	2240	ug/kg	69.0%	(24 - 130)
1,2-Dichloroethane-d4	25.8	ug/kg	88.0%	(56 - 124)
Dibromofluoromethane	24.7	ug/kg	85.0%	(62 - 123)
Toluene-d8	25.6	ug/kg	87.0%	(59 - 131)
Decachlorobiphenyl	.057	mg/kg	68.0%	(30 - 150)
2-Fluorobiphenyl	1000	ug/kg	62.0%	(40 - 113)
2-Fluorophenol	1810	ug/kg	56.0%	(25 - 110)
Nitrobenzene-d5	952	ug/kg	59.0%	(36 - 113)
Phenol-d5	2020	ug/kg	62.0%	(28 - 111)
4-Bromofluorobenzene	24.9	ug/kg	85.0%	(51 - 128)

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Page: 9 Of 29

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A3-SS1 [1.0]**
Date Collected: 07/20/07 09:05

Matrix: Solid
Collected by: Collected by Customer

Surrogates (continued)	**Result**	**Units**	**Recovery**	**Limits**
Tetrachloro-m-xylene	.065	mg/kg	78.0%	(30 - 136)
Terphenyl-d14	1080	ug/kg	67.0%	(35 - 135)

Comments:

One or more of the GCMS semi-volatile internal standards were recovered at <50%. The sample was reanalyzed with similar results indicating a sample matrix interference.

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Raymond J. Martrano
Laboratory Manager

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Page: 10 Of 29

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A3-SS2 [1.0]**
Date Collected: 07/20/07 09:20

Matrix: Solid
Collected by: Collected by Customer

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS								
Acetone	ND	ug/kg	20.1	8260/5035	07/25/07 00:41	07/20/07	ECR	B
Benzene	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
Bromochloromethane	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
Bromodichloromethane	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
Bromoform	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
Bromomethane	ND	ug/kg	3.2	8260/5035	07/25/07 00:41	07/20/07	ECR	B
2-Butanone	ND	ug/kg	8.0	8260/5035	07/25/07 00:41	07/20/07	ECR	B
Carbon Disulfide	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
Carbon Tetrachloride	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
Chlorobenzene	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
Chlorodibromomethane	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
Chloroethane	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
Chloroform	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
Chloromethane	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
1,2-Dibromo-3-chloropropane	ND	ug/kg	3.2	8260/5035	07/25/07 00:41	07/20/07	ECR	B
1,2-Dibromoethane	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
1,1-Dichloroethane	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
1,2-Dichloroethane	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
1,1-Dichloroethene	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
cis-1,2-Dichloroethene	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B

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Certificate of Analysis

August 2, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9694772002**
Received: 07/20/07 14:55
Discard: 08/16/07
Page: 11 Of 29
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **A3-SS2 [1.0]**
Date Collected: 07/20/07 09:20

Matrix: Solid
Collected by: Collected by Customer

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS (continued)								
trans-1,2-Dichloroethene	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
1,2-Dichloropropane	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
cis-1,3-Dichloropropene	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
trans-1,3-Dichloropropene	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
Ethylbenzene	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
2-Hexanone	ND	ug/kg	8.0	8260/5035	07/25/07 00:41	07/20/07	ECR	B
4-Methyl-2-Pentanone(MIBK)	ND	ug/kg	8.0	8260/5035	07/25/07 00:41	07/20/07	ECR	B
Methylene Chloride	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
Styrene	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
1,1,2,2-Tetrachloroethane	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
Tetrachloroethene	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
Toluene	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
Total Xylenes	ND	ug/kg	4.8	8260/5035	07/25/07 00:41	07/20/07	ECR	B
1,1,1-Trichloroethane	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
1,1,2-Trichloroethane	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
Trichloroethene	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
Vinyl Chloride	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
o-Xylene	ND	ug/kg	1.6	8260/5035	07/25/07 00:41	07/20/07	ECR	B
mp-Xylene	ND	ug/kg	3.2	8260/5035	07/25/07 00:41	07/20/07	ECR	B

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Lab ID #: **9694772002**
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Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A3-SS2 [1.0]**
Date Collected: 07/20/07 09:20

Matrix: Solid
Collected by: Collected by Customer

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES								
Acenaphthene	228	ug/kg	141	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Acenaphthylene	251	ug/kg	141	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Anthracene	772	ug/kg	141	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Benzo(a)anthracene	2470	ug/kg	141	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Benzo(a)pyrene	2650	ug/kg	141	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Benzo(b)fluoranthene	3060	ug/kg	141	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Benzo(g,h,i)perylene	309	ug/kg	141	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Benzo(k)fluoranthene	2960	ug/kg	141	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
4-Bromophenyl-phenylether	ND	ug/kg	202	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Butylbenzylphthalate	ND	ug/kg	202	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Carbazole	344	ug/kg	202	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
4-Chloro-3-methylphenol	ND	ug/kg	545	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
4-Chloroaniline	ND	ug/kg	545	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Bis(2-Chloroethoxy)methane	ND	ug/kg	202	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Bis(2-Chloroethyl)ether	ND	ug/kg	202	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
bis(2-Chloroisopropyl)ether	ND	ug/kg	202	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
2-Chloronaphthalene	ND	ug/kg	202	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
2-Chlorophenol	ND	ug/kg	545	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
4-Chlorophenyl-phenylether	ND	ug/kg	202	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Chrysene	2780	ug/kg	141	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1

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Page: 13 Of 29
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Project Name: **YORK RDA - NORTHWEST TRIANGLE**
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Sample ID: **A3-SS2 [1.0]**
Date Collected: 07/20/07 09:20

Matrix: Solid
Collected by: Collected by Customer

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
mp-Cresol	ND	ug/kg	545	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
o-Cresol	ND	ug/kg	545	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Di-n-Butylphthalate	ND	ug/kg	202	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Di-n-Octylphthalate	ND	ug/kg	545	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Dibenzo(a,h)anthracene	272	ug/kg	141	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Dibenzofuran	ND	ug/kg	202	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
1,2-Dichlorobenzene	ND	ug/kg	202	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
1,3-Dichlorobenzene	ND	ug/kg	202	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
1,4-Dichlorobenzene	ND	ug/kg	202	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
3,3-Dichlorobenzidine	ND	ug/kg	202	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
2,4-Dichlorophenol	ND	ug/kg	545	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Diethylphthalate	ND	ug/kg	202	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
2,4-Dimethylphenol	ND	ug/kg	545	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Dimethylphthalate	ND	ug/kg	202	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
2,4-Dinitrophenol	ND	ug/kg	1090	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
2,4-Dinitrotoluene	ND	ug/kg	202	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
2,6-Dinitrotoluene	ND	ug/kg	202	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
bis(2-Ethylhexyl)phthalate	ND	ug/kg	202	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Fluoranthene	4660	ug/kg	141	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Fluorene	247	ug/kg	141	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1

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PO#: 07214
COC Number:

Sample ID: **A3-SS2 [1.0]**
Date Collected: 07/20/07 09:20

Matrix: Solid
Collected by: Collected by Customer

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Hexachlorobenzene	ND	ug/kg	202	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Hexachlorobutadiene	ND	ug/kg	202	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Hexachlorocyclopentadiene	ND	ug/kg	545	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Hexachloroethane	ND	ug/kg	202	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Indeno(1,2,3-cd)pyrene	579	ug/kg	141	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Isophorone	ND	ug/kg	202	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
2-Methyl-4,6-dinitrophenol	ND	ug/kg	545	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
2-Methylnaphthalene	ND	ug/kg	141	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Naphthalene	ND	ug/kg	141	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
2-Nitroaniline	ND	ug/kg	202	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
3-Nitroaniline	ND	ug/kg	545	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
4-Nitroaniline	ND	ug/kg	545	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Nitrobenzene	ND	ug/kg	202	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
2-Nitrophenol	ND	ug/kg	545	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
4-Nitrophenol	ND	ug/kg	1090	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
N-Nitroso-di-n-propylamine	ND	ug/kg	202	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
N-Nitrosodiphenylamine	ND	ug/kg	202	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Pentachlorophenol	ND	ug/kg	1090	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Phenanthrene	3380	ug/kg	141	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
Phenol	ND	ug/kg	545	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1

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Lab ID #: **9694772002**
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Page: 15 Of 29
PO#: 07214
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Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **A3-SS2 [1.0]**
Date Collected: 07/20/07 09:20

Matrix: Solid
Collected by: Collected by Customer

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Pyrene	4090	ug/kg	141	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
1,2,4-Trichlorobenzene	ND	ug/kg	202	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
2,4,5-Trichlorophenol	ND	ug/kg	545	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
2,4,6-Trichlorophenol	ND	ug/kg	545	SW846 8270C	07/31/07 20:45	07/24/07	DRS	E1
PCB'S								
Aroclor-1016	ND	mg/kg	0.032	SW846 8082	07/27/07 05:15	07/25/07	JJH	E2
Aroclor-1221	ND	mg/kg	0.032	SW846 8082	07/27/07 05:15	07/25/07	JJH	E2
Aroclor-1232	ND	mg/kg	0.032	SW846 8082	07/27/07 05:15	07/25/07	JJH	E2
Aroclor-1242	ND	mg/kg	0.032	SW846 8082	07/27/07 05:15	07/25/07	JJH	E2
Aroclor-1248	ND	mg/kg	0.032	SW846 8082	07/27/07 05:15	07/25/07	JJH	E2
Aroclor-1254	ND	mg/kg	0.032	SW846 8082	07/27/07 05:15	07/25/07	JJH	E2
Aroclor-1260	ND	mg/kg	0.032	SW846 8082	07/27/07 05:15	07/25/07	JJH	E2
WET CHEMISTRY								
Moisture	2.9	%	0.1	SM20-2540 G	07/22/07 16:29	07/22/07	NMM	E
Total Solids	97.1	%	0.1	SM20-2540 G	07/22/07 16:29	07/22/07	NMM	E

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Page: 16 Of 29

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A3-SS2 [1.0]**
Date Collected: 07/20/07 09:20

Matrix: Solid
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Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
METALS								
Arsenic, Total	3	mg/kg	2	SW846 6010B	08/01/07 16:18	07/30/07	JVU	E5
Barium, Total	33	mg/kg	0.7	SW846 6010B	08/01/07 16:18	07/30/07	JVU	E5
Cadmium, Total	ND	mg/kg	0.3	SW846 6010B	08/01/07 16:18	07/30/07	JVU	E5
Chromium, Total	7.3	mg/kg	0.7	SW846 6010B	08/01/07 16:18	07/30/07	JVU	E5
Lead, Total	34	mg/kg	1	SW846 6010B	08/01/07 16:18	07/30/07	JVU	E5
Mercury, Total	ND	mg/kg	0.19	SW846 7471B	07/31/07 09:49	07/30/07	CMD	E6
Selenium, Total	ND	mg/kg	3	SW846 6010B	08/01/07 16:18	07/30/07	JVU	E5
Silver, Total	ND	mg/kg	0.3	SW846 6010B	08/01/07 16:18	07/30/07	JVU	E5

Surrogates	Result	Units	Recovery	Limits
2,4,6-Tribromophenol	2040	ug/kg	63.0%	(24 - 130)
1,2-Dichloroethane-d4	21.4	ug/kg	91.0%	(56 - 124)
Dibromofluoromethane	20.5	ug/kg	88.0%	(62 - 123)
Toluene-d8	21	ug/kg	90.0%	(59 - 131)
Decachlorobiphenyl	.065	mg/kg	82.0%	(30 - 150)
2-Fluorobiphenyl	928	ug/kg	57.0%	(40 - 113)
2-Fluorophenol	1870	ug/kg	57.0%	(25 - 110)
Nitrobenzene-d5	914	ug/kg	56.0%	(36 - 113)
Phenol-d5	2160	ug/kg	66.0%	(28 - 111)
4-Bromofluorobenzene	20.3	ug/kg	87.0%	(51 - 128)

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Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **A3-SS2 [1.0]**
Date Collected: 07/20/07 09:20

Matrix: Solid
Collected by: Collected by Customer

Surrogates (continued)	**Result**	**Units**	**Recovery**	**Limits**
Tetrachloro-m-xylene	.064	mg/kg	81.0%	(30 - 136)
Terphenyl-d14	1000	ug/kg	61.0%	(35 - 135)

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Raymond J. Martrano
Laboratory Manager

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Page: 18 Of 29

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A3-SS3 [1.0]**
Date Collected: 07/20/07 09:35

Matrix: Solid
Collected by: Collected by Customer

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS								
Acetone	ND	ug/kg	26.2	8260/5035	07/25/07 01:12	07/20/07	ECR	B
Benzene	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
Bromochloromethane	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
Bromodichloromethane	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
Bromoform	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
Bromomethane	ND	ug/kg	4.2	8260/5035	07/25/07 01:12	07/20/07	ECR	B
2-Butanone	ND	ug/kg	10.5	8260/5035	07/25/07 01:12	07/20/07	ECR	B
Carbon Disulfide	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
Carbon Tetrachloride	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
Chlorobenzene	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
Chlorodibromomethane	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
Chloroethane	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
Chloroform	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
Chloromethane	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.2	8260/5035	07/25/07 01:12	07/20/07	ECR	B
1,2-Dibromoethane	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
1,1-Dichloroethane	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
1,2-Dichloroethane	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
1,1-Dichloroethene	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
cis-1,2-Dichloroethene	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B

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Certificate of Analysis

August 2, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9694772003**
Received: 07/20/07 14:55
Discard: 08/16/07
Page: 19 Of 29
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **A3-SS3 [1.0]**
Date Collected: 07/20/07 09:35

Matrix: Solid
Collected by: Collected by Customer

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS (continued)								
trans-1,2-Dichloroethene	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
1,2-Dichloropropane	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
cis-1,3-Dichloropropene	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
trans-1,3-Dichloropropene	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
Ethylbenzene	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
2-Hexanone	ND	ug/kg	10.5	8260/5035	07/25/07 01:12	07/20/07	ECR	B
4-Methyl-2-Pentanone(MIBK)	ND	ug/kg	10.5	8260/5035	07/25/07 01:12	07/20/07	ECR	B
Methylene Chloride	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
Styrene	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
Tetrachloroethene	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
Toluene	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
Total Xylenes	ND	ug/kg	6.3	8260/5035	07/25/07 01:12	07/20/07	ECR	B
1,1,1-Trichloroethane	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
1,1,2-Trichloroethane	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
Trichloroethene	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
Vinyl Chloride	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
o-Xylene	ND	ug/kg	2.1	8260/5035	07/25/07 01:12	07/20/07	ECR	B
mp-Xylene	ND	ug/kg	4.2	8260/5035	07/25/07 01:12	07/20/07	ECR	B

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Lab ID #: **9694772003**
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Page: 20 Of 29

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A3-SS3 [1.0]**
Date Collected: 07/20/07 09:35

Matrix: Solid
Collected by: Collected by Customer

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES								
Acenaphthene	140	ug/kg	71	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Acenaphthylene	136	ug/kg	71	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Anthracene	441	ug/kg	71	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Benzo(a)anthracene	1390	ug/kg	71	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Benzo(a)pyrene	1460	ug/kg	71	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Benzo(b)fluoranthene	1990	ug/kg	71	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Benzo(g,h,i)perylene	118	ug/kg	71	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Benzo(k)fluoranthene	1910	ug/kg	71	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
4-Bromophenyl-phenylether	ND	ug/kg	101	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Butylbenzylphthalate	ND	ug/kg	101	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Carbazole	184	ug/kg	101	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
4-Chloro-3-methylphenol	ND	ug/kg	272	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
4-Chloroaniline	ND	ug/kg	272	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Bis(2-Chloroethoxy)methane	ND	ug/kg	101	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Bis(2-Chloroethyl)ether	ND	ug/kg	101	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
bis(2-Chloroisopropyl)ether	ND	ug/kg	101	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
2-Chloronaphthalene	ND	ug/kg	101	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
2-Chlorophenol	ND	ug/kg	272	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
4-Chlorophenyl-phenylether	ND	ug/kg	101	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Chrysene	1580	ug/kg	71	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1

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Date Collected: 07/20/07 09:35

Matrix: Solid
Collected by: Collected by Customer

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
mp-Cresol	ND	ug/kg	272	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
o-Cresol	ND	ug/kg	272	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Di-n-Butylphthalate	ND	ug/kg	101	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Di-n-Octylphthalate	ND	ug/kg	272	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Dibenzo(a,h)anthracene	100	ug/kg	71	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Dibenzofuran	ND	ug/kg	101	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
1,2-Dichlorobenzene	ND	ug/kg	101	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
1,3-Dichlorobenzene	ND	ug/kg	101	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
1,4-Dichlorobenzene	ND	ug/kg	101	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
3,3-Dichlorobenzidine	ND	ug/kg	101	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
2,4-Dichlorophenol	ND	ug/kg	272	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Diethylphthalate	ND	ug/kg	101	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
2,4-Dimethylphenol	ND	ug/kg	272	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Dimethylphthalate	ND	ug/kg	101	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
2,4-Dinitrophenol	ND	ug/kg	544	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
2,4-Dinitrotoluene	ND	ug/kg	101	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
2,6-Dinitrotoluene	ND	ug/kg	101	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
bis(2-Ethylhexyl)phthalate	ND	ug/kg	101	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Fluoranthene	3260	ug/kg	71	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Fluorene	135	ug/kg	71	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1

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Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A3-SS3 [1.0]**
Date Collected: 07/20/07 09:35

Matrix: Solid
Collected by: Collected by Customer

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Hexachlorobenzene	ND	ug/kg	101	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Hexachlorobutadiene	ND	ug/kg	101	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Hexachlorocyclopentadiene	ND	ug/kg	272	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Hexachloroethane	ND	ug/kg	101	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Indeno(1,2,3-cd)pyrene	223	ug/kg	71	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Isophorone	ND	ug/kg	101	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
2-Methyl-4,6-dinitrophenol	ND	ug/kg	272	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
2-Methylnaphthalene	ND	ug/kg	71	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Naphthalene	ND	ug/kg	71	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
2-Nitroaniline	ND	ug/kg	101	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
3-Nitroaniline	ND	ug/kg	272	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
4-Nitroaniline	ND	ug/kg	272	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Nitrobenzene	ND	ug/kg	101	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
2-Nitrophenol	ND	ug/kg	272	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
4-Nitrophenol	ND	ug/kg	544	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
N-Nitroso-di-n-propylamine	ND	ug/kg	101	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
N-Nitrosodiphenylamine	ND	ug/kg	101	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Pentachlorophenol	ND	ug/kg	544	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Phenanthrene	2160	ug/kg	71	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
Phenol	ND	ug/kg	272	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1

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Lab ID #: **9694772003**
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Page: 23 Of 29
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **A3-SS3 [1.0]**
Date Collected: 07/20/07 09:35

Matrix: Solid
Collected by: Collected by Customer

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Pyrene	2670	ug/kg	71	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
1,2,4-Trichlorobenzene	ND	ug/kg	101	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
2,4,5-Trichlorophenol	ND	ug/kg	272	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
2,4,6-Trichlorophenol	ND	ug/kg	272	SW846 8270C	07/31/07 19:56	07/24/07	DRS	E1
PCB'S								
Aroclor-1016	ND	mg/kg	0.034	SW846 8082	07/27/07 11:20	07/25/07	JJH	E2
Aroclor-1221	ND	mg/kg	0.034	SW846 8082	07/27/07 11:20	07/25/07	JJH	E2
Aroclor-1232	ND	mg/kg	0.034	SW846 8082	07/27/07 11:20	07/25/07	JJH	E2
Aroclor-1242	ND	mg/kg	0.034	SW846 8082	07/27/07 11:20	07/25/07	JJH	E2
Aroclor-1248	ND	mg/kg	0.034	SW846 8082	07/27/07 11:20	07/25/07	JJH	E2
Aroclor-1254	ND	mg/kg	0.034	SW846 8082	07/27/07 11:20	07/25/07	JJH	E2
Aroclor-1260	ND	mg/kg	0.034	SW846 8082	07/27/07 11:20	07/25/07	JJH	E2
WET CHEMISTRY								
Moisture	2.7	%	0.1	SM20-2540 G	07/22/07 16:29	07/22/07	NMM	E
Total Solids	97.3	%	0.1	SM20-2540 G	07/22/07 16:29	07/22/07	NMM	E

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Page: 24 Of 29

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **A3-SS3 [1.0]**
Date Collected: 07/20/07 09:35

Matrix: Solid
Collected by: Collected by Customer

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
METALS								
Arsenic, Total	ND	mg/kg	2	SW846 6010B	08/01/07 16:22	07/30/07	JVU	E3
Barium, Total	19	mg/kg	0.9	SW846 6010B	08/01/07 16:22	07/30/07	JVU	E3
Cadmium, Total	ND	mg/kg	0.4	SW846 6010B	08/01/07 16:22	07/30/07	JVU	E3
Chromium, Total	2.9	mg/kg	0.9	SW846 6010B	08/01/07 16:22	07/30/07	JVU	E3
Lead, Total	15	mg/kg	2	SW846 6010B	08/01/07 16:22	07/30/07	JVU	E3
Mercury, Total	ND	mg/kg	0.18	SW846 7471B	07/31/07 09:53	07/30/07	CMD	E4
Selenium, Total	ND	mg/kg	4	SW846 6010B	08/01/07 16:22	07/30/07	JVU	E3
Silver, Total	ND	mg/kg	0.4	SW846 6010B	08/01/07 16:22	07/30/07	JVU	E3

Surrogates	Result	Units	Recovery	Limits
2,4,6-Tribromophenol	2900	ug/kg	89.0%	(24 - 130)
1,2-Dichloroethane-d4	29	ug/kg	95.0%	(56 - 124)
Dibromofluoromethane	26.4	ug/kg	86.0%	(62 - 123)
Toluene-d8	26.3	ug/kg	86.0%	(59 - 131)
Decachlorobiphenyl	.062	mg/kg	75.0%	(30 - 150)
2-Fluorobiphenyl	1180	ug/kg	72.0%	(40 - 113)
2-Fluorophenol	2150	ug/kg	66.0%	(25 - 110)
Nitrobenzene-d5	1180	ug/kg	72.0%	(36 - 113)
Phenol-d5	2450	ug/kg	75.0%	(28 - 111)
4-Bromofluorobenzene	26.5	ug/kg	87.0%	(51 - 128)

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Page: 25 Of 29
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **A3-SS3 [1.0]**
Date Collected: 07/20/07 09:35

Matrix: Solid
Collected by: Collected by Customer

Surrogates (continued)	**Result**	**Units**	**Recovery**	**Limits**
Tetrachloro-m-xylene	.072	mg/kg	87.0%	(30 - 136)
Terphenyl-d14	1310	ug/kg	80.0%	(35 - 135)

Comments:

One or more of the GCMS semi-volatile internal standards were recovered at <50%. The sample was reanalyzed with similar results indicating a sample matrix interference.

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Raymond J. Martrano
Laboratory Manager

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Received: 07/20/07 14:55
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Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **D-SB7 [3.5]**
Date Collected: 07/20/07 12:05

Matrix: Solid
Collected by: Collected by Customer

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS								
Benzene	ND	ug/kg	46.7	8260/5035	07/25/07 22:02	07/20/07	ECR	A
Ethylbenzene	ND	ug/kg	46.7	8260/5035	07/25/07 22:02	07/20/07	ECR	A
Isopropylbenzene	ND	ug/kg	46.7	8260/5035	07/25/07 22:02	07/20/07	ECR	A
Naphthalene	169	ug/kg	93.5	8260/5035	07/25/07 22:02	07/20/07	ECR	A
Toluene	ND	ug/kg	46.7	8260/5035	07/25/07 22:02	07/20/07	ECR	A
SEMIVOLATILES								
Benzo(a)anthracene	ND	ug/kg	557	SW846 8270C	07/27/07 13:01	07/24/07	TTR	D1
Benzo(a)pyrene	ND	ug/kg	557	SW846 8270C	07/27/07 13:01	07/24/07	TTR	D1
Benzo(b)fluoranthene	ND	ug/kg	557	SW846 8270C	07/27/07 13:01	07/24/07	TTR	D1
Benzo(g,h,i)perylene	ND	ug/kg	557	SW846 8270C	07/27/07 13:01	07/24/07	TTR	D1
Chrysene	ND	ug/kg	557	SW846 8270C	07/27/07 13:01	07/24/07	TTR	D1
Indeno(1,2,3-cd)pyrene	ND	ug/kg	557	SW846 8270C	07/27/07 13:01	07/24/07	TTR	D1
Pyrene	ND	ug/kg	557	SW846 8270C	07/27/07 13:01	07/24/07	TTR	D1
WET CHEMISTRY								
Moisture	11.7	%	0.1	SM20-2540 G	07/22/07 16:29	07/22/07	NMM	D
Total Solids	88.3	%	0.1	SM20-2540 G	07/22/07 16:29	07/22/07	NMM	D

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Certificate of Analysis

August 2, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9694772004**
Received: 07/20/07 14:55
Discard: 08/16/07
Page: 27 Of 29

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **D-SB7 [3.5]**
Date Collected: 07/20/07 12:05

Matrix: Solid
Collected by: Collected by Customer

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
METALS								
Lead, Total	18	mg/kg	2	SW846 6010B	08/01/07 16:45	07/30/07	JVU	D2

Surrogates	Result	Units	Recovery	Limits
1,2-Dichloroethane-d4	1240	ug/kg	100.0%	(71 - 146)
Dibromofluoromethane	1410	ug/kg	114.0%	(42 - 143)
Toluene-d8	1430	ug/kg	116.0%	(54 - 141)
2-Fluorobiphenyl	1150	ug/kg	70.0%	(43 - 113)
Nitrobenzene-d5	1190	ug/kg	73.0%	(23 - 131)
4-Bromofluorobenzene	1220	ug/kg	98.0%	(46 - 138)
Terphenyl-d14	1070	ug/kg	65.0%	(45 - 122)

Comments:

For the 8270 analysis, this sample was extracted with twice the called for weight. Data not impacted.

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Raymond J. Martrano
Laboratory Manager

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August 2, 2007

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ARM Group Inc.
1129 W. Governor Road
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Lab ID #: **9694772005**
Received: 07/20/07 14:55
Discard: 08/16/07
Page: 28 Of 29

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **D-SB8 [3.5]**
Date Collected: 07/20/07 12:25

Matrix: Solid
Collected by: Collected by Customer

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS								
Benzene	ND	ug/kg	48.8	8260/5035	07/25/07 21:29	07/20/07	ECR	A
Naphthalene	ND	ug/kg	97.5	8260/5035	07/25/07 21:29	07/20/07	ECR	A
SEMIVOLATILES								
Anthracene	ND	ug/kg	59.4	SW846 8270C	07/27/07 12:12	07/24/07	TTR	D1
Benzo(a)anthracene	ND	ug/kg	59.4	SW846 8270C	07/27/07 12:12	07/24/07	TTR	D1
Benzo(a)pyrene	ND	ug/kg	59.4	SW846 8270C	07/27/07 12:12	07/24/07	TTR	D1
Benzo(b)fluoranthene	ND	ug/kg	59.4	SW846 8270C	07/27/07 12:12	07/24/07	TTR	D1
Benzo(g,h,i)perylene	ND	ug/kg	59.4	SW846 8270C	07/27/07 12:12	07/24/07	TTR	D1
Chrysene	72.3	ug/kg	59.4	SW846 8270C	07/27/07 12:12	07/24/07	TTR	D1
Fluorene	ND	ug/kg	59.4	SW846 8270C	07/27/07 12:12	07/24/07	TTR	D1
Phenanthrene	238	ug/kg	59.4	SW846 8270C	07/27/07 12:12	07/24/07	TTR	D1
Pyrene	106	ug/kg	59.4	SW846 8270C	07/27/07 12:12	07/24/07	TTR	D1
WET CHEMISTRY								
Moisture	17.2	%	0.1	SM20-2540 G	07/22/07 16:29	07/22/07	NMM	D
Total Solids	82.8	%	0.1	SM20-2540 G	07/22/07 16:29	07/22/07	NMM	D

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1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9694772005**
Received: 07/20/07 14:55
Discard: 08/16/07
Page: 29 Of 29
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **D-SB8 [3.5]**
Date Collected: 07/20/07 12:25

Matrix: Solid
Collected by: Collected by Customer

Surrogates	Result	Units	Recovery	Limits
1,2-Dichloroethane-d4	1120	ug/kg	93.0%	(71 - 146)
Dibromofluoromethane	1300	ug/kg	107.0%	(42 - 143)
Toluene-d8	1320	ug/kg	109.0%	(54 - 141)
2-Fluorobiphenyl	1450	ug/kg	89.0%	(43 - 113)
Nitrobenzene-d5	1430	ug/kg	87.0%	(23 - 131)
4-Bromofluorobenzene	1110	ug/kg	91.0%	(46 - 138)
Terphenyl-d14	1480	ug/kg	90.0%	(45 - 122)

Comments:

For the 8270 analysis, this sample was extracted with twice the called for weight. Data not impacted.

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Raymond J. Martrano
Laboratory Manager

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Certificate of Analysis

August 10, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID#: **9695451**

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214

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Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis. Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan.

A result of ND indicates that the analyte was Not Detected at the Reporting Detection Limit (RDL). The RDL, by default, is equivalent to the Practical Quantitation Limit (PQL) or may be equivalent to the Method Detection Limit (MDL), if specifically requested by the customer.

Qualifier Flags - These flags may follow individual results for a specific analyte
- U - Indicates that the analyte was not detected
- J - Indicates an estimated value between the MDL and PQL

Note: This cover letter and the attached Chain-of-Custody document is included as part of the Analytical Report and must be retained as a permanent record thereof.

Raymond J. Martrano
Laboratory Manager

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Certificate of Analysis

August 10, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9695451001**
Received: 07/26/07 16:15
Discard: 08/24/07
Page: 2 Of 71
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **E-SS1[2.5]**
Date Collected: 07/26/07 09:25

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS								
Acetone	ND	ug/kg	17.3	8260/5035	07/30/07 10:05	07/26/07	JAH	B
Benzene	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
Bromochloromethane	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
Bromodichloromethane	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
Bromoform	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
Bromomethane	ND	ug/kg	2.8	8260/5035	07/30/07 10:05	07/26/07	JAH	B
2-Butanone	ND	ug/kg	6.9	8260/5035	07/30/07 10:05	07/26/07	JAH	B
Carbon Disulfide	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
Carbon Tetrachloride	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
Chlorobenzene	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
Chlorodibromomethane	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
Chloroethane	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
Chloroform	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
Chloromethane	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
1,2-Dibromo-3-chloropropane	ND	ug/kg	2.8	8260/5035	07/30/07 10:05	07/26/07	JAH	B
1,2-Dibromoethane	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
1,1-Dichloroethane	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
1,2-Dichloroethane	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
1,1-Dichloroethene	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
cis-1,2-Dichloroethene	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B

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Lab ID #: **9695451001**
Received: 07/26/07 16:15
Discard: 08/24/07
Page: 3 Of 71

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS1[2.5]**
Date Collected: 07/26/07 09:25

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS (continued)								
trans-1,2-Dichloroethene	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
1,2-Dichloropropane	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
cis-1,3-Dichloropropene	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
trans-1,3-Dichloropropene	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
Ethylbenzene	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
2-Hexanone	ND	ug/kg	6.9	8260/5035	07/30/07 10:05	07/26/07	JAH	B
4-Methyl-2-Pentanone(MIBK)	ND	ug/kg	6.9	8260/5035	07/30/07 10:05	07/26/07	JAH	B
Methylene Chloride	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
Styrene	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
1,1,2,2-Tetrachloroethane	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
Tetrachloroethene	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
Toluene	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
Total Xylenes	ND	ug/kg	4.2	8260/5035	07/30/07 10:05	07/26/07	JAH	B
1,1,1-Trichloroethane	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
1,1,2-Trichloroethane	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
Trichloroethene	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
Vinyl Chloride	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
o-Xylene	ND	ug/kg	1.4	8260/5035	07/30/07 10:05	07/26/07	JAH	B
mp-Xylene	ND	ug/kg	2.8	8260/5035	07/30/07 10:05	07/26/07	JAH	B

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Lab ID #: **9695451001**
Received: 07/26/07 16:15
Discard: 08/24/07
Page: 4 Of 71
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **E-SS1[2.5]**
Date Collected: 07/26/07 09:25

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES								
Acenaphthene	ND	ug/kg	84	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Acenaphthylene	ND	ug/kg	84	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Anthracene	ND	ug/kg	84	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Benzo(a)anthracene	ND	ug/kg	84	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Benzo(a)pyrene	ND	ug/kg	84	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Benzo(b)fluoranthene	ND	ug/kg	84	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Benzo(g,h,i)perylene	ND	ug/kg	84	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Benzo(k)fluoranthene	ND	ug/kg	84	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
4-Bromophenyl-phenylether	ND	ug/kg	120	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Butylbenzylphthalate	ND	ug/kg	120	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Carbazole	ND	ug/kg	120	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
4-Chloro-3-methylphenol	ND	ug/kg	323	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
4-Chloroaniline	ND	ug/kg	323	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Bis(2-Chloroethoxy)methane	ND	ug/kg	120	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Bis(2-Chloroethyl)ether	ND	ug/kg	120	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
bis(2-Chloroisopropyl)ether	ND	ug/kg	120	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
2-Chloronaphthalene	ND	ug/kg	120	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
2-Chlorophenol	ND	ug/kg	323	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
4-Chlorophenyl-phenylether	ND	ug/kg	120	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Chrysene	ND	ug/kg	84	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1

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Lab ID #: **9695451001**
Received: 07/26/07 16:15
Discard: 08/24/07

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS1[2.5]**
Date Collected: 07/26/07 09:25

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
mp-Cresol	ND	ug/kg	323	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
o-Cresol	ND	ug/kg	323	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Di-n-Butylphthalate	ND	ug/kg	120	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Di-n-Octylphthalate	ND	ug/kg	323	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Dibenzo(a,h)anthracene	ND	ug/kg	84	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Dibenzofuran	ND	ug/kg	120	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
1,2-Dichlorobenzene	ND	ug/kg	120	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
1,3-Dichlorobenzene	ND	ug/kg	120	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
1,4-Dichlorobenzene	ND	ug/kg	120	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
3,3-Dichlorobenzidine	ND	ug/kg	120	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
2,4-Dichlorophenol	ND	ug/kg	323	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Diethylphthalate	ND	ug/kg	120	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
2,4-Dimethylphenol	ND	ug/kg	323	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Dimethylphthalate	ND	ug/kg	120	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
2,4-Dinitrophenol	ND	ug/kg	646	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
2,4-Dinitrotoluene	ND	ug/kg	120	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
2,6-Dinitrotoluene	ND	ug/kg	120	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
bis(2-Ethylhexyl)phthalate	ND	ug/kg	120	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Fluoranthene	ND	ug/kg	84	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Fluorene	ND	ug/kg	84	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1

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Received: 07/26/07 16:15
Discard: 08/24/07
Page: 6 Of 71
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **E-SS1[2.5]**
Date Collected: 07/26/07 09:25

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Hexachlorobenzene	ND	ug/kg	120	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Hexachlorobutadiene	ND	ug/kg	120	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Hexachlorocyclopentadiene	ND	ug/kg	323	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Hexachloroethane	ND	ug/kg	120	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Indeno(1,2,3-cd)pyrene	ND	ug/kg	84	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Isophorone	ND	ug/kg	120	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
2-Methyl-4,6-dinitrophenol	ND	ug/kg	323	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
2-Methylnaphthalene	ND	ug/kg	84	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Naphthalene	ND	ug/kg	84	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
2-Nitroaniline	ND	ug/kg	120	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
3-Nitroaniline	ND	ug/kg	323	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
4-Nitroaniline	ND	ug/kg	323	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Nitrobenzene	ND	ug/kg	120	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
2-Nitrophenol	ND	ug/kg	323	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
4-Nitrophenol	ND	ug/kg	646	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
N-Nitroso-di-n-propylamine	ND	ug/kg	120	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
N-Nitrosodiphenylamine	ND	ug/kg	120	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Pentachlorophenol	ND	ug/kg	646	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Phenanthrene	ND	ug/kg	84	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
Phenol	ND	ug/kg	323	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1

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Certificate of Analysis

August 10, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9695451001**
Received: 07/26/07 16:15
Discard: 08/24/07

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS1[2.5]**
Date Collected: 07/26/07 09:25

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Pyrene	ND	ug/kg	84	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
1,2,4-Trichlorobenzene	ND	ug/kg	120	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
2,4,5-Trichlorophenol	ND	ug/kg	323	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
2,4,6-Trichlorophenol	ND	ug/kg	323	SW846 8270C	07/30/07 19:24	07/27/07	DRS	E1
WET CHEMISTRY								
Moisture	17.8	%	0.1	SM20-2540 G	07/27/07 05:45	07/27/07	KMW	E
Total Solids	82.2	%	0.1	SM20-2540 G	07/27/07 05:45	07/27/07	KMW	E
METALS								
Arsenic, Total	6	mg/kg	2	SW846 6010B	08/07/07 04:56	08/02/07	TED	E2
Barium, Total	60	mg/kg	1	SW846 6010B	08/07/07 04:56	08/02/07	TED	E2
Cadmium, Total	ND	mg/kg	0.5	SW846 6010B	08/07/07 04:56	08/02/07	TED	E2
Chromium, Total	29.5	mg/kg	1	SW846 6010B	08/07/07 04:56	08/02/07	TED	E2
Lead, Total	13	mg/kg	2	SW846 6010B	08/07/07 04:56	08/02/07	TED	E2
Mercury, Total	ND	mg/kg	0.21	SW846 7471B	08/09/07 08:08	08/08/07	CMD	E3
Selenium, Total	ND	mg/kg	5	SW846 6010B	08/07/07 04:56	08/02/07	TED	E2
Silver, Total	ND	mg/kg	0.5	SW846 6010B	08/07/07 04:56	08/02/07	TED	E2

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Discard: 08/24/07
Page: 8 Of 71
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **E-SS1[2.5]**
Date Collected: 07/26/07 09:25

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Surrogates	Result	Units	Recovery	Limits
2,4,6-Tribromophenol	2940	ug/kg	90.0%	(24 - 130)
1,2-Dichloroethane-d4	14.9	ug/kg	87.0%	(56 - 124)
Dibromofluoromethane	15.1	ug/kg	88.0%	(62 - 123)
Toluene-d8	15.3	ug/kg	89.0%	(59 - 131)
2-Fluorobiphenyl	1240	ug/kg	75.0%	(40 - 113)
2-Fluorophenol	2840	ug/kg	87.0%	(25 - 110)
Nitrobenzene-d5	1400	ug/kg	85.0%	(36 - 113)
Phenol-d5	2930	ug/kg	89.0%	(28 - 111)
4-Bromofluorobenzene	14	ug/kg	82.0%	(51 - 128)
Terphenyl-d14	1450	ug/kg	89.0%	(35 - 135)

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Raymond J. Martrano
Laboratory Manager

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Page: 9 Of 71

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS2[2.0]**
Date Collected: 07/26/07 09:50

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS								
Acetone	26.8	ug/kg	23.1	8260/5035	07/30/07 10:37	07/26/07	JAH	B
Benzene	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
Bromochloromethane	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
Bromodichloromethane	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
Bromoform	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
Bromomethane	ND	ug/kg	3.7	8260/5035	07/30/07 10:37	07/26/07	JAH	B
2-Butanone	ND	ug/kg	9.3	8260/5035	07/30/07 10:37	07/26/07	JAH	B
Carbon Disulfide	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
Carbon Tetrachloride	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
Chlorobenzene	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
Chlorodibromomethane	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
Chloroethane	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
Chloroform	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
Chloromethane	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
1,2-Dibromo-3-chloropropane	ND	ug/kg	3.7	8260/5035	07/30/07 10:37	07/26/07	JAH	B
1,2-Dibromoethane	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
1,1-Dichloroethane	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
1,2-Dichloroethane	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
1,1-Dichloroethene	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
cis-1,2-Dichloroethene	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B

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Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **E-SS2[2.0]**
Date Collected: 07/26/07 09:50
Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS (continued)								
trans-1,2-Dichloroethene	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
1,2-Dichloropropane	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
cis-1,3-Dichloropropene	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
trans-1,3-Dichloropropene	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
Ethylbenzene	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
2-Hexanone	ND	ug/kg	9.3	8260/5035	07/30/07 10:37	07/26/07	JAH	B
4-Methyl-2-Pentanone(MIBK)	ND	ug/kg	9.3	8260/5035	07/30/07 10:37	07/26/07	JAH	B
Methylene Chloride	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
Styrene	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
1,1,2,2-Tetrachloroethane	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
Tetrachloroethene	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
Toluene	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
Total Xylenes	ND	ug/kg	5.6	8260/5035	07/30/07 10:37	07/26/07	JAH	B
1,1,1-Trichloroethane	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
1,1,2-Trichloroethane	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
Trichloroethene	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
Vinyl Chloride	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
o-Xylene	ND	ug/kg	1.9	8260/5035	07/30/07 10:37	07/26/07	JAH	B
mp-Xylene	ND	ug/kg	3.7	8260/5035	07/30/07 10:37	07/26/07	JAH	B

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Page: 11 Of 71

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS2[2.0]**
Date Collected: 07/26/07 09:50

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES								
Acenaphthene	ND	ug/kg	72	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Acenaphthylene	ND	ug/kg	72	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Anthracene	ND	ug/kg	72	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Benzo(a)anthracene	ND	ug/kg	72	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Benzo(a)pyrene	ND	ug/kg	72	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Benzo(b)fluoranthene	ND	ug/kg	72	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Benzo(g,h,i)perylene	ND	ug/kg	72	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Benzo(k)fluoranthene	ND	ug/kg	72	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
4-Bromophenyl-phenylether	ND	ug/kg	102	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Butylbenzylphthalate	ND	ug/kg	102	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Carbazole	ND	ug/kg	102	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
4-Chloro-3-methylphenol	ND	ug/kg	277	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
4-Chloroaniline	ND	ug/kg	277	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Bis(2-Chloroethoxy)methane	ND	ug/kg	102	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Bis(2-Chloroethyl)ether	ND	ug/kg	102	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
bis(2-Chloroisopropyl)ether	ND	ug/kg	102	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
2-Chloronaphthalene	ND	ug/kg	102	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
2-Chlorophenol	ND	ug/kg	277	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
4-Chlorophenyl-phenylether	ND	ug/kg	102	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Chrysene	ND	ug/kg	72	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1

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Sample ID: **E-SS2[2.0]**
Date Collected: 07/26/07 09:50

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
mp-Cresol	ND	ug/kg	277	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
o-Cresol	ND	ug/kg	277	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Di-n-Butylphthalate	ND	ug/kg	102	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Di-n-Octylphthalate	ND	ug/kg	277	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Dibenzo(a,h)anthracene	ND	ug/kg	72	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Dibenzofuran	ND	ug/kg	102	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
1,2-Dichlorobenzene	ND	ug/kg	102	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
1,3-Dichlorobenzene	ND	ug/kg	102	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
1,4-Dichlorobenzene	ND	ug/kg	102	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
3,3-Dichlorobenzidine	ND	ug/kg	102	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
2,4-Dichlorophenol	ND	ug/kg	277	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Diethylphthalate	ND	ug/kg	102	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
2,4-Dimethylphenol	ND	ug/kg	277	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Dimethylphthalate	ND	ug/kg	102	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
2,4-Dinitrophenol	ND	ug/kg	553	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
2,4-Dinitrotoluene	ND	ug/kg	102	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
2,6-Dinitrotoluene	ND	ug/kg	102	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
bis(2-Ethylhexyl)phthalate	ND	ug/kg	102	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Fluoranthene	ND	ug/kg	72	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Fluorene	ND	ug/kg	72	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1

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Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS2[2.0]**
Date Collected: 07/26/07 09:50

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Hexachlorobenzene	ND	ug/kg	102	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Hexachlorobutadiene	ND	ug/kg	102	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Hexachlorocyclopentadiene	ND	ug/kg	277	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Hexachloroethane	ND	ug/kg	102	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Indeno(1,2,3-cd)pyrene	ND	ug/kg	72	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Isophorone	ND	ug/kg	102	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
2-Methyl-4,6-dinitrophenol	ND	ug/kg	277	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
2-Methylnaphthalene	ND	ug/kg	72	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Naphthalene	ND	ug/kg	72	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
2-Nitroaniline	ND	ug/kg	102	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
3-Nitroaniline	ND	ug/kg	277	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
4-Nitroaniline	ND	ug/kg	277	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Nitrobenzene	ND	ug/kg	102	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
2-Nitrophenol	ND	ug/kg	277	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
4-Nitrophenol	ND	ug/kg	553	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
N-Nitroso-di-n-propylamine	ND	ug/kg	102	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
N-Nitrosodiphenylamine	ND	ug/kg	102	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Pentachlorophenol	ND	ug/kg	553	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Phenanthrene	ND	ug/kg	72	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
Phenol	ND	ug/kg	277	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1

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Certificate of Analysis

August 10, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9695451002**
Received: 07/26/07 16:15
Discard: 08/24/07
Page: 14 Of 71
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **E-SS2[2.0]**
Date Collected: 07/26/07 09:50
Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Pyrene	ND	ug/kg	72	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
1,2,4-Trichlorobenzene	ND	ug/kg	102	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
2,4,5-Trichlorophenol	ND	ug/kg	277	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
2,4,6-Trichlorophenol	ND	ug/kg	277	SW846 8270C	07/30/07 20:13	07/27/07	DRS	E1
WET CHEMISTRY								
Moisture	3.0	%	0.1	SM20-2540 G	07/27/07 05:45	07/27/07	KMW	E
Total Solids	97.0	%	0.1	SM20-2540 G	07/27/07 05:45	07/27/07	KMW	E
METALS								
Arsenic, Total	9	mg/kg	2	SW846 6010B	08/07/07 05:25	08/02/07	TED	E2
Barium, Total	62	mg/kg	0.8	SW846 6010B	08/07/07 05:25	08/02/07	TED	E2
Cadmium, Total	ND	mg/kg	0.4	SW846 6010B	08/07/07 05:25	08/02/07	TED	E2
Chromium, Total	19.7	mg/kg	0.8	SW846 6010B	08/07/07 05:25	08/02/07	TED	E2
Lead, Total	25	mg/kg	2	SW846 6010B	08/07/07 05:25	08/02/07	TED	E2
Mercury, Total	ND	mg/kg	0.19	SW846 7471B	08/09/07 08:22	08/08/07	CMD	E3
Selenium, Total	ND	mg/kg	4	SW846 6010B	08/07/07 05:25	08/02/07	TED	E2
Silver, Total	ND	mg/kg	0.4	SW846 6010B	08/07/07 05:25	08/02/07	TED	E2

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Hershey, PA 17033

Lab ID #: **9695451002**
Received: 07/26/07 16:15
Discard: 08/24/07
Page: 15 Of 71

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
PO#: 07214
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**
COC Number:

Sample ID: **E-SS2[2.0]**
Matrix: Solid
Date Collected: 07/26/07 09:50
Collected by: Mr. Dan Buterbaugh

Surrogates	Result	Units	Recovery	Limits
2,4,6-Tribromophenol	3370	ug/kg	102.0%	(24 - 130)
1,2-Dichloroethane-d4	22.8	ug/kg	85.0%	(56 - 124)
Dibromofluoromethane	23.5	ug/kg	87.0%	(62 - 123)
Toluene-d8	24.5	ug/kg	91.0%	(59 - 131)
2-Fluorobiphenyl	1540	ug/kg	93.0%	(40 - 113)
2-Fluorophenol	3180	ug/kg	96.0%	(25 - 110)
Nitrobenzene-d5	1820	ug/kg	110.0%	(36 - 113)
Phenol-d5	3540	ug/kg	107.0%	(28 - 111)
4-Bromofluorobenzene	22.2	ug/kg	82.0%	(51 - 128)
Terphenyl-d14	1850	ug/kg	112.0%	(35 - 135)

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Raymond J. Martrano
Laboratory Manager

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Lab ID #: **9695451003**
Received: 07/26/07 16:15
Discard: 08/24/07
Page: 16 Of 71
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **E-SS3[2.5]**
Date Collected: 07/26/07 10:15
Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS								
Acetone	ND	ug/kg	24.0	8260/5035	07/30/07 11:08	07/26/07	JAH	B
Benzene	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
Bromochloromethane	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
Bromodichloromethane	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
Bromoform	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
Bromomethane	ND	ug/kg	3.8	8260/5035	07/30/07 11:08	07/26/07	JAH	B
2-Butanone	ND	ug/kg	9.6	8260/5035	07/30/07 11:08	07/26/07	JAH	B
Carbon Disulfide	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
Carbon Tetrachloride	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
Chlorobenzene	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
Chlorodibromomethane	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
Chloroethane	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
Chloroform	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
Chloromethane	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
1,2-Dibromo-3-chloropropane	ND	ug/kg	3.8	8260/5035	07/30/07 11:08	07/26/07	JAH	B
1,2-Dibromoethane	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
1,1-Dichloroethane	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
1,2-Dichloroethane	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
1,1-Dichloroethene	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
cis-1,2-Dichloroethene	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B

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PO#: 07214
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**
COC Number:

Sample ID: **E-SS3[2.5]**
Matrix: Solid
Date Collected: 07/26/07 10:15
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS (continued)								
trans-1,2-Dichloroethene	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
1,2-Dichloropropane	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
cis-1,3-Dichloropropene	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
trans-1,3-Dichloropropene	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
Ethylbenzene	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
2-Hexanone	ND	ug/kg	9.6	8260/5035	07/30/07 11:08	07/26/07	JAH	B
4-Methyl-2-Pentanone(MIBK)	ND	ug/kg	9.6	8260/5035	07/30/07 11:08	07/26/07	JAH	B
Methylene Chloride	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
Styrene	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
1,1,2,2-Tetrachloroethane	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
Tetrachloroethene	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
Toluene	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
Total Xylenes	ND	ug/kg	5.8	8260/5035	07/30/07 11:08	07/26/07	JAH	B
1,1,1-Trichloroethane	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
1,1,2-Trichloroethane	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
Trichloroethene	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
Vinyl Chloride	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
o-Xylene	ND	ug/kg	1.9	8260/5035	07/30/07 11:08	07/26/07	JAH	B
mp-Xylene	ND	ug/kg	3.8	8260/5035	07/30/07 11:08	07/26/07	JAH	B

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Lab ID #: **9695451003**
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Page: 18 Of 71
PO#: 07214
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Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **E-SS3[2.5]**
Date Collected: 07/26/07 10:15

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES								
Acenaphthene	ND	ug/kg	87	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Acenaphthylene	ND	ug/kg	87	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Anthracene	ND	ug/kg	87	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Benzo(a)anthracene	ND	ug/kg	87	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Benzo(a)pyrene	ND	ug/kg	87	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Benzo(b)fluoranthene	ND	ug/kg	87	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Benzo(g,h,i)perylene	ND	ug/kg	87	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Benzo(k)fluoranthene	ND	ug/kg	87	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
4-Bromophenyl-phenylether	ND	ug/kg	125	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Butylbenzylphthalate	ND	ug/kg	125	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Carbazole	ND	ug/kg	125	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
4-Chloro-3-methylphenol	ND	ug/kg	337	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
4-Chloroaniline	ND	ug/kg	337	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Bis(2-Chloroethoxy)methane	ND	ug/kg	125	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Bis(2-Chloroethyl)ether	ND	ug/kg	125	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
bis(2-Chloroisopropyl)ether	ND	ug/kg	125	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
2-Chloronaphthalene	ND	ug/kg	125	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
2-Chlorophenol	ND	ug/kg	337	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
4-Chlorophenyl-phenylether	ND	ug/kg	125	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Chrysene	ND	ug/kg	87	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1

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Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
mp-Cresol	ND	ug/kg	337	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
o-Cresol	ND	ug/kg	337	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Di-n-Butylphthalate	ND	ug/kg	125	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Di-n-Octylphthalate	ND	ug/kg	337	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Dibenzo(a,h)anthracene	ND	ug/kg	87	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Dibenzofuran	ND	ug/kg	125	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
1,2-Dichlorobenzene	ND	ug/kg	125	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
1,3-Dichlorobenzene	ND	ug/kg	125	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
1,4-Dichlorobenzene	ND	ug/kg	125	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
3,3-Dichlorobenzidine	ND	ug/kg	125	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
2,4-Dichlorophenol	ND	ug/kg	337	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Diethylphthalate	ND	ug/kg	125	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
2,4-Dimethylphenol	ND	ug/kg	337	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Dimethylphthalate	ND	ug/kg	125	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
2,4-Dinitrophenol	ND	ug/kg	674	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
2,4-Dinitrotoluene	ND	ug/kg	125	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
2,6-Dinitrotoluene	ND	ug/kg	125	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
bis(2-Ethylhexyl)phthalate	ND	ug/kg	125	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Fluoranthene	ND	ug/kg	87	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Fluorene	ND	ug/kg	87	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1

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Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

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Date Collected: 07/26/07 10:15

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Hexachlorobenzene	ND	ug/kg	125	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Hexachlorobutadiene	ND	ug/kg	125	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Hexachlorocyclopentadiene	ND	ug/kg	337	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Hexachloroethane	ND	ug/kg	125	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Indeno(1,2,3-cd)pyrene	ND	ug/kg	87	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Isophorone	ND	ug/kg	125	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
2-Methyl-4,6-dinitrophenol	ND	ug/kg	337	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
2-Methylnaphthalene	ND	ug/kg	87	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Naphthalene	ND	ug/kg	87	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
2-Nitroaniline	ND	ug/kg	125	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
3-Nitroaniline	ND	ug/kg	337	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
4-Nitroaniline	ND	ug/kg	337	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Nitrobenzene	ND	ug/kg	125	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
2-Nitrophenol	ND	ug/kg	337	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
4-Nitrophenol	ND	ug/kg	674	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
N-Nitroso-di-n-propylamine	ND	ug/kg	125	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
N-Nitrosodiphenylamine	ND	ug/kg	125	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Pentachlorophenol	ND	ug/kg	674	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Phenanthrene	ND	ug/kg	87	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
Phenol	ND	ug/kg	337	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1

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Discard: 08/24/07
Page: 21 Of 71

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS3[2.5]**
Date Collected: 07/26/07 10:15

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Pyrene	ND	ug/kg	87	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
1,2,4-Trichlorobenzene	ND	ug/kg	125	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
2,4,5-Trichlorophenol	ND	ug/kg	337	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
2,4,6-Trichlorophenol	ND	ug/kg	337	SW846 8270C	07/30/07 21:03	07/27/07	DRS	E1
WET CHEMISTRY								
Moisture	21.4	%	0.1	SM20-2540 G	07/27/07 05:45	07/27/07	KMW	E
Total Solids	78.6	%	0.1	SM20-2540 G	07/27/07 05:45	07/27/07	KMW	E
METALS								
Arsenic, Total	9	mg/kg	2	SW846 6010B	08/07/07 05:30	08/02/07	TED	E2
Barium, Total	100	mg/kg	1	SW846 6010B	08/07/07 05:30	08/02/07	TED	E2
Cadmium, Total	ND	mg/kg	0.5	SW846 6010B	08/07/07 05:30	08/02/07	TED	E2
Chromium, Total	40.2	mg/kg	1	SW846 6010B	08/07/07 05:30	08/02/07	TED	E2
Lead, Total	17	mg/kg	2	SW846 6010B	08/07/07 05:30	08/02/07	TED	E2
Mercury, Total	ND	mg/kg	0.22	SW846 7471B	08/09/07 08:26	08/08/07	CMD	E3
Selenium, Total	ND	mg/kg	5	SW846 6010B	08/07/07 05:30	08/02/07	TED	E2
Silver, Total	ND	mg/kg	0.5	SW846 6010B	08/07/07 05:30	08/02/07	TED	E2

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Certificate of Analysis

August 10, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9695451003**
Received: 07/26/07 16:15
Discard: 08/24/07
Page: 22 Of 71
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **E-SS3[2.5]**
Date Collected: 07/26/07 10:15

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Surrogates	Result	Units	Recovery	Limits
2,4,6-Tribromophenol	2690	ug/kg	82.0%	(24 - 130)
1,2-Dichloroethane-d4	20.4	ug/kg	90.0%	(56 - 124)
Dibromofluoromethane	20.1	ug/kg	89.0%	(62 - 123)
Toluene-d8	20.9	ug/kg	92.0%	(59 - 131)
2-Fluorobiphenyl	1170	ug/kg	72.0%	(40 - 113)
2-Fluorophenol	2600	ug/kg	80.0%	(25 - 110)
Nitrobenzene-d5	1300	ug/kg	80.0%	(36 - 113)
Phenol-d5	2710	ug/kg	83.0%	(28 - 111)
4-Bromofluorobenzene	19.4	ug/kg	85.0%	(51 - 128)
Terphenyl-d14	1400	ug/kg	86.0%	(35 - 135)

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Raymond J. Martrano
Laboratory Manager

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Lab ID #: **9695451004**
Received: 07/26/07 16:15
Discard: 08/24/07
Page: 23 Of 71

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS4[2.0]**
Date Collected: 07/26/07 11:00

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS								
Acetone	30.0	ug/kg	23.8	8260/5035	07/30/07 11:39	07/26/07	JAH	B
Benzene	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
Bromochloromethane	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
Bromodichloromethane	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
Bromoform	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
Bromomethane	ND	ug/kg	3.8	8260/5035	07/30/07 11:39	07/26/07	JAH	B
2-Butanone	ND	ug/kg	9.5	8260/5035	07/30/07 11:39	07/26/07	JAH	B
Carbon Disulfide	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
Carbon Tetrachloride	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
Chlorobenzene	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
Chlorodibromomethane	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
Chloroethane	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
Chloroform	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
Chloromethane	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
1,2-Dibromo-3-chloropropane	ND	ug/kg	3.8	8260/5035	07/30/07 11:39	07/26/07	JAH	B
1,2-Dibromoethane	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
1,1-Dichloroethane	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
1,2-Dichloroethane	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
1,1-Dichloroethene	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
cis-1,2-Dichloroethene	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B

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Page: 24 Of 71
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **E-SS4[2.0]**
Date Collected: 07/26/07 11:00
Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS (continued)								
trans-1,2-Dichloroethene	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
1,2-Dichloropropane	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
cis-1,3-Dichloropropene	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
trans-1,3-Dichloropropene	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
Ethylbenzene	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
2-Hexanone	ND	ug/kg	9.5	8260/5035	07/30/07 11:39	07/26/07	JAH	B
4-Methyl-2-Pentanone(MIBK)	ND	ug/kg	9.5	8260/5035	07/30/07 11:39	07/26/07	JAH	B
Methylene Chloride	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
Styrene	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
1,1,2,2-Tetrachloroethane	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
Tetrachloroethene	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
Toluene	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
Total Xylenes	ND	ug/kg	5.7	8260/5035	07/30/07 11:39	07/26/07	JAH	B
1,1,1-Trichloroethane	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
1,1,2-Trichloroethane	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
Trichloroethene	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
Vinyl Chloride	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
o-Xylene	ND	ug/kg	1.9	8260/5035	07/30/07 11:39	07/26/07	JAH	B
mp-Xylene	ND	ug/kg	3.8	8260/5035	07/30/07 11:39	07/26/07	JAH	B

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Lab ID #: **9695451004**
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Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS4[2.0]**
Date Collected: 07/26/07 11:00

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES								
Acenaphthene	ND	ug/kg	80	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Acenaphthylene	ND	ug/kg	80	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Anthracene	ND	ug/kg	80	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Benzo(a)anthracene	ND	ug/kg	80	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Benzo(a)pyrene	ND	ug/kg	80	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Benzo(b)fluoranthene	ND	ug/kg	80	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Benzo(g,h,i)perylene	ND	ug/kg	80	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Benzo(k)fluoranthene	ND	ug/kg	80	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
4-Bromophenyl-phenylether	ND	ug/kg	114	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Butylbenzylphthalate	ND	ug/kg	114	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Carbazole	ND	ug/kg	114	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
4-Chloro-3-methylphenol	ND	ug/kg	309	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
4-Chloroaniline	ND	ug/kg	309	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Bis(2-Chloroethoxy)methane	ND	ug/kg	114	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Bis(2-Chloroethyl)ether	ND	ug/kg	114	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
bis(2-Chloroisopropyl)ether	ND	ug/kg	114	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
2-Chloronaphthalene	ND	ug/kg	114	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
2-Chlorophenol	ND	ug/kg	309	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
4-Chlorophenyl-phenylether	ND	ug/kg	114	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Chrysene	ND	ug/kg	80	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1

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Lab ID #: **9695451004**
Received: 07/26/07 16:15
Discard: 08/24/07
Page: 26 Of 71
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **E-SS4[2.0]**
Date Collected: 07/26/07 11:00

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
mp-Cresol	ND	ug/kg	309	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
o-Cresol	ND	ug/kg	309	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Di-n-Butylphthalate	ND	ug/kg	114	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Di-n-Octylphthalate	ND	ug/kg	309	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Dibenzo(a,h)anthracene	ND	ug/kg	80	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Dibenzofuran	ND	ug/kg	114	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
1,2-Dichlorobenzene	ND	ug/kg	114	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
1,3-Dichlorobenzene	ND	ug/kg	114	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
1,4-Dichlorobenzene	ND	ug/kg	114	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
3,3-Dichlorobenzidine	ND	ug/kg	114	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
2,4-Dichlorophenol	ND	ug/kg	309	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Diethylphthalate	ND	ug/kg	114	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
2,4-Dimethylphenol	ND	ug/kg	309	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Dimethylphthalate	ND	ug/kg	114	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
2,4-Dinitrophenol	ND	ug/kg	617	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
2,4-Dinitrotoluene	ND	ug/kg	114	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
2,6-Dinitrotoluene	ND	ug/kg	114	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
bis(2-Ethylhexyl)phthalate	ND	ug/kg	114	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Fluoranthene	ND	ug/kg	80	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Fluorene	ND	ug/kg	80	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1

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Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS4[2.0]**
Date Collected: 07/26/07 11:00

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Hexachlorobenzene	ND	ug/kg	114	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Hexachlorobutadiene	ND	ug/kg	114	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Hexachlorocyclopentadiene	ND	ug/kg	309	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Hexachloroethane	ND	ug/kg	114	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Indeno(1,2,3-cd)pyrene	ND	ug/kg	80	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Isophorone	ND	ug/kg	114	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
2-Methyl-4,6-dinitrophenol	ND	ug/kg	309	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
2-Methylnaphthalene	ND	ug/kg	80	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Naphthalene	ND	ug/kg	80	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
2-Nitroaniline	ND	ug/kg	114	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
3-Nitroaniline	ND	ug/kg	309	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
4-Nitroaniline	ND	ug/kg	309	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Nitrobenzene	ND	ug/kg	114	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
2-Nitrophenol	ND	ug/kg	309	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
4-Nitrophenol	ND	ug/kg	617	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
N-Nitroso-di-n-propylamine	ND	ug/kg	114	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
N-Nitrosodiphenylamine	ND	ug/kg	114	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Pentachlorophenol	ND	ug/kg	617	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Phenanthrene	ND	ug/kg	80	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
Phenol	ND	ug/kg	309	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1

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Lab ID #: **9695451004**
Received: 07/26/07 16:15
Discard: 08/24/07
Page: 28 Of 71
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **E-SS4[2.0]**
Date Collected: 07/26/07 11:00

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Pyrene	ND	ug/kg	80	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
1,2,4-Trichlorobenzene	ND	ug/kg	114	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
2,4,5-Trichlorophenol	ND	ug/kg	309	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
2,4,6-Trichlorophenol	ND	ug/kg	309	SW846 8270C	08/01/07 00:03	07/27/07	DRS	E1
WET CHEMISTRY								
Moisture	14.0	%	0.1	SM20-2540 G	07/27/07 05:45	07/27/07	KMW	E
Total Solids	86.0	%	0.1	SM20-2540 G	07/27/07 05:45	07/27/07	KMW	E
METALS								
Arsenic, Total	3	mg/kg	3	SW846 6010B	08/07/07 05:34	08/02/07	TED	E2
Barium, Total	38	mg/kg	1	SW846 6010B	08/07/07 05:34	08/02/07	TED	E2
Cadmium, Total	ND	mg/kg	0.5	SW846 6010B	08/07/07 05:34	08/02/07	TED	E2
Chromium, Total	8.3	mg/kg	1.0	SW846 6010B	08/07/07 05:34	08/02/07	TED	E2
Lead, Total	6	mg/kg	2	SW846 6010B	08/07/07 05:34	08/02/07	TED	E2
Mercury, Total [1]	ND	mg/kg	0.21	SW846 7471B	08/09/07 08:29	08/08/07	CMD	E3
Selenium, Total	ND	mg/kg	5	SW846 6010B	08/07/07 05:34	08/02/07	TED	E2
Silver, Total	ND	mg/kg	0.5	SW846 6010B	08/07/07 05:34	08/02/07	TED	E2

1 - The recovery of the Matrix Spike (MS) associated to this analyte was outside of the established control limits. The sample was post-digestion spiked, and this matrix spike was within acceptable recovery limits.

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Certificate of Analysis

August 10, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9695451004**
Received: 07/26/07 16:15
Discard: 08/24/07
Page: 29 Of 71

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS4[2.0]**
Date Collected: 07/26/07 11:00

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Surrogates	Result	Units	Recovery	Limits
2,4,6-Tribromophenol	2890	ug/kg	88.0%	(24 - 130)
1,2-Dichloroethane-d4	21.5	ug/kg	87.0%	(56 - 124)
Dibromofluoromethane	21.2	ug/kg	86.0%	(62 - 123)
Toluene-d8	21.9	ug/kg	89.0%	(59 - 131)
2-Fluorobiphenyl	1300	ug/kg	80.0%	(40 - 113)
2-Fluorophenol	2790	ug/kg	85.0%	(25 - 110)
Nitrobenzene-d5	1460	ug/kg	89.0%	(36 - 113)
Phenol-d5	2830	ug/kg	86.0%	(28 - 111)
4-Bromofluorobenzene	20.1	ug/kg	82.0%	(51 - 128)
Terphenyl-d14	1380	ug/kg	84.0%	(35 - 135)

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Raymond J. Martrano
Laboratory Manager

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Lab ID #: **9695451005**
Received: 07/26/07 16:15
Discard: 08/24/07
Page: 30 Of 71
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **E-SS5[2.5]**
Date Collected: 07/26/07 11:30

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS								
Acetone	40.6	ug/kg	26.3	8260/5035	07/30/07 12:10	07/26/07	JAH	B
Benzene	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
Bromochloromethane	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
Bromodichloromethane	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
Bromoform	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
Bromomethane	ND	ug/kg	4.2	8260/5035	07/30/07 12:10	07/26/07	JAH	B
2-Butanone	ND	ug/kg	10.5	8260/5035	07/30/07 12:10	07/26/07	JAH	B
Carbon Disulfide	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
Carbon Tetrachloride	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
Chlorobenzene	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
Chlorodibromomethane	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
Chloroethane	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
Chloroform	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
Chloromethane	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.2	8260/5035	07/30/07 12:10	07/26/07	JAH	B
1,2-Dibromoethane	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
1,1-Dichloroethane	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
1,2-Dichloroethane	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
1,1-Dichloroethene	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
cis-1,2-Dichloroethene	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B

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Lab ID #: **9695451005**
Received: 07/26/07 16:15
Discard: 08/24/07
Page: 31 Of 71

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS5[2.5]**
Date Collected: 07/26/07 11:30

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS (continued)								
trans-1,2-Dichloroethene	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
1,2-Dichloropropane	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
cis-1,3-Dichloropropene	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
trans-1,3-Dichloropropene	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
Ethylbenzene	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
2-Hexanone	ND	ug/kg	10.5	8260/5035	07/30/07 12:10	07/26/07	JAH	B
4-Methyl-2-Pentanone(MIBK)	ND	ug/kg	10.5	8260/5035	07/30/07 12:10	07/26/07	JAH	B
Methylene Chloride	3.0	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
Styrene	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
Tetrachloroethene	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
Toluene	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
Total Xylenes	ND	ug/kg	6.3	8260/5035	07/30/07 12:10	07/26/07	JAH	B
1,1,1-Trichloroethane	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
1,1,2-Trichloroethane	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
Trichloroethene	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
Vinyl Chloride	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
o-Xylene	ND	ug/kg	2.1	8260/5035	07/30/07 12:10	07/26/07	JAH	B
mp-Xylene	ND	ug/kg	4.2	8260/5035	07/30/07 12:10	07/26/07	JAH	B

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Received: 07/26/07 16:15
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Page: 32 Of 71

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS5[2.5]**
Date Collected: 07/26/07 11:30

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES								
Acenaphthene	ND	ug/kg	78	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Acenaphthylene	ND	ug/kg	78	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Anthracene	ND	ug/kg	78	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Benzo(a)anthracene	ND	ug/kg	78	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Benzo(a)pyrene	ND	ug/kg	78	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Benzo(b)fluoranthene	ND	ug/kg	78	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Benzo(g,h,i)perylene	ND	ug/kg	78	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Benzo(k)fluoranthene	ND	ug/kg	78	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
4-Bromophenyl-phenylether	ND	ug/kg	111	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Butylbenzylphthalate	ND	ug/kg	111	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Carbazole	ND	ug/kg	111	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
4-Chloro-3-methylphenol	ND	ug/kg	299	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
4-Chloroaniline	ND	ug/kg	299	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Bis(2-Chloroethoxy)methane	ND	ug/kg	111	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Bis(2-Chloroethyl)ether	ND	ug/kg	111	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
bis(2-Chloroisopropyl)ether	ND	ug/kg	111	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
2-Chloronaphthalene	ND	ug/kg	111	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
2-Chlorophenol	ND	ug/kg	299	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
4-Chlorophenyl-phenylether	ND	ug/kg	111	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Chrysene	103	ug/kg	78	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1

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Received: 07/26/07 16:15
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Page: 33 Of 71

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS5[2.5]**
Date Collected: 07/26/07 11:30

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
mp-Cresol	ND	ug/kg	299	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
o-Cresol	ND	ug/kg	299	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Di-n-Butylphthalate	ND	ug/kg	111	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Di-n-Octylphthalate	ND	ug/kg	299	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Dibenzo(a,h)anthracene	ND	ug/kg	78	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Dibenzofuran	ND	ug/kg	111	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
1,2-Dichlorobenzene	ND	ug/kg	111	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
1,3-Dichlorobenzene	ND	ug/kg	111	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
1,4-Dichlorobenzene	ND	ug/kg	111	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
3,3-Dichlorobenzidine	ND	ug/kg	111	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
2,4-Dichlorophenol	ND	ug/kg	299	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Diethylphthalate	ND	ug/kg	111	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
2,4-Dimethylphenol	ND	ug/kg	299	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Dimethylphthalate	ND	ug/kg	111	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
2,4-Dinitrophenol	ND	ug/kg	598	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
2,4-Dinitrotoluene	ND	ug/kg	111	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
2,6-Dinitrotoluene	ND	ug/kg	111	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
bis(2-Ethylhexyl)phthalate	ND	ug/kg	111	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Fluoranthene	ND	ug/kg	78	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Fluorene	ND	ug/kg	78	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1

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Page: 34 Of 71
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **E-SS5[2.5]**
Date Collected: 07/26/07 11:30
Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Hexachlorobenzene	ND	ug/kg	111	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Hexachlorobutadiene	ND	ug/kg	111	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Hexachlorocyclopentadiene	ND	ug/kg	299	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Hexachloroethane	ND	ug/kg	111	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Indeno(1,2,3-cd)pyrene	ND	ug/kg	78	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Isophorone	ND	ug/kg	111	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
2-Methyl-4,6-dinitrophenol	ND	ug/kg	299	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
2-Methylnaphthalene	ND	ug/kg	78	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Naphthalene	ND	ug/kg	78	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
2-Nitroaniline	ND	ug/kg	111	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
3-Nitroaniline	ND	ug/kg	299	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
4-Nitroaniline	ND	ug/kg	299	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Nitrobenzene	ND	ug/kg	111	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
2-Nitrophenol	ND	ug/kg	299	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
4-Nitrophenol	ND	ug/kg	598	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
N-Nitroso-di-n-propylamine	ND	ug/kg	111	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
N-Nitrosodiphenylamine	ND	ug/kg	111	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Pentachlorophenol	ND	ug/kg	598	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Phenanthrene	ND	ug/kg	78	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
Phenol	ND	ug/kg	299	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1

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Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS5[2.5]**
Date Collected: 07/26/07 11:30

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Pyrene	ND	ug/kg	78	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
1,2,4-Trichlorobenzene	ND	ug/kg	111	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
2,4,5-Trichlorophenol	ND	ug/kg	299	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
2,4,6-Trichlorophenol	ND	ug/kg	299	SW846 8270C	08/01/07 00:53	07/27/07	DRS	E1
WET CHEMISTRY								
Moisture	10.3	%	0.1	SM20-2540 G	07/27/07 05:45	07/27/07	KMW	E
Total Solids	89.7	%	0.1	SM20-2540 G	07/27/07 05:45	07/27/07	KMW	E
METALS								
Arsenic, Total	13	mg/kg	1	SW846 6010B	08/07/07 05:39	08/02/07	TED	E2
Barium, Total	117	mg/kg	0.6	SW846 6010B	08/07/07 05:39	08/02/07	TED	E2
Cadmium, Total	ND	mg/kg	0.3	SW846 6010B	08/07/07 05:39	08/02/07	TED	E2
Chromium, Total	11.7	mg/kg	0.6	SW846 6010B	08/07/07 05:39	08/02/07	TED	E2
Lead, Total	154	mg/kg	1	SW846 6010B	08/07/07 05:39	08/02/07	TED	E2
Mercury, Total	ND	mg/kg	0.21	SW846 7471B	08/09/07 08:40	08/08/07	CMD	E3
Selenium, Total	ND	mg/kg	3	SW846 6010B	08/07/07 05:39	08/02/07	TED	E2
Silver, Total	ND	mg/kg	0.3	SW846 6010B	08/07/07 05:39	08/02/07	TED	E2

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Lab ID #: **9695451005**
Received: 07/26/07 16:15
Discard: 08/24/07
Page: 36 Of 71
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **E-SS5[2.5]**
Date Collected: 07/26/07 11:30
Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Surrogates	Result	Units	Recovery	Limits
2,4,6-Tribromophenol	3080	ug/kg	93.0%	(24 - 130)
1,2-Dichloroethane-d4	24.5	ug/kg	87.0%	(56 - 124)
Dibromofluoromethane	24.3	ug/kg	86.0%	(62 - 123)
Toluene-d8	25.3	ug/kg	90.0%	(59 - 131)
2-Fluorobiphenyl	1410	ug/kg	85.0%	(40 - 113)
-Fluorophenol	2960	ug/kg	89.0%	(25 - 110)
Nitrobenzene-d5	1450	ug/kg	88.0%	(36 - 113)
Phenol-d5	2970	ug/kg	90.0%	(28 - 111)
4-Bromofluorobenzene	23.9	ug/kg	85.0%	(51 - 128)
Terphenyl-d14	1430	ug/kg	86.0%	(35 - 135)

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Raymond J. Martrano
Laboratory Manager

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34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

Certificate of Analysis

August 10, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9695451006**
Received: 07/26/07 16:15
Discard: 08/24/07

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS6[2.5]**
Date Collected: 07/26/07 12:00

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS								
Acetone	ND	ug/kg	19.3	8260/5035	07/31/07 13:29	07/26/07	JAH	B
Benzene	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
Bromochloromethane	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
Bromodichloromethane	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
Bromoform	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
Bromomethane	ND	ug/kg	3.1	8260/5035	07/31/07 13:29	07/26/07	JAH	B
2-Butanone	ND	ug/kg	7.7	8260/5035	07/31/07 13:29	07/26/07	JAH	B
Carbon Disulfide	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
Carbon Tetrachloride	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
Chlorobenzene	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
Chlorodibromomethane	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
Chloroethane	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
Chloroform	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
Chloromethane	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
1,2-Dibromo-3-chloropropane	ND	ug/kg	3.1	8260/5035	07/31/07 13:29	07/26/07	JAH	B
1,2-Dibromoethane	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
1,1-Dichloroethane	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
1,2-Dichloroethane	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
1,1-Dichloroethene	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
cis-1,2-Dichloroethene	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B

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COC Number:

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Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **E-SS6[2.5]**
Date Collected: 07/26/07 12:00

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS (continued)								
trans-1,2-Dichloroethene	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
1,2-Dichloropropane	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
cis-1,3-Dichloropropene	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
trans-1,3-Dichloropropene	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
Ethylbenzene	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
2-Hexanone	ND	ug/kg	7.7	8260/5035	07/31/07 13:29	07/26/07	JAH	B
4-Methyl-2-Pentanone(MIBK)	ND	ug/kg	7.7	8260/5035	07/31/07 13:29	07/26/07	JAH	B
Methylene Chloride	2.2	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
Styrene	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
1,1,2,2-Tetrachloroethane	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
Tetrachloroethene	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
Toluene	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
Total Xylenes	ND	ug/kg	4.6	8260/5035	07/31/07 13:29	07/26/07	JAH	B
1,1,1-Trichloroethane	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
1,1,2-Trichloroethane	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
Trichloroethene	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
Vinyl Chloride	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
o-Xylene	ND	ug/kg	1.5	8260/5035	07/31/07 13:29	07/26/07	JAH	B
mp-Xylene	ND	ug/kg	3.1	8260/5035	07/31/07 13:29	07/26/07	JAH	B

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PO#: 07214
COC Number:

Sample ID: **E-SS6[2.5]**
Date Collected: 07/26/07 12:00

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES								
Acenaphthene	ND	ug/kg	73	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Acenaphthylene	ND	ug/kg	73	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Anthracene	ND	ug/kg	73	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Benzo(a)anthracene	ND	ug/kg	73	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Benzo(a)pyrene	ND	ug/kg	73	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Benzo(b)fluoranthene	ND	ug/kg	73	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Benzo(g,h,i)perylene	ND	ug/kg	73	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Benzo(k)fluoranthene	ND	ug/kg	73	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
4-Bromophenyl-phenylether	ND	ug/kg	104	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Butylbenzylphthalate	ND	ug/kg	104	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Carbazole	ND	ug/kg	104	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
4-Chloro-3-methylphenol	ND	ug/kg	281	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
4-Chloroaniline	ND	ug/kg	281	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Bis(2-Chloroethoxy)methane	ND	ug/kg	104	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Bis(2-Chloroethyl)ether	ND	ug/kg	104	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
bis(2-Chloroisopropyl)ether	ND	ug/kg	104	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
2-Chloronaphthalene	ND	ug/kg	104	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
2-Chlorophenol	ND	ug/kg	281	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
4-Chlorophenyl-phenylether	ND	ug/kg	104	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Chrysene	ND	ug/kg	73	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1

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Matrix: Solid
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Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
mp-Cresol	ND	ug/kg	281	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
o-Cresol	ND	ug/kg	281	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Di-n-Butylphthalate	ND	ug/kg	104	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Di-n-Octylphthalate	ND	ug/kg	281	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Dibenzo(a,h)anthracene	ND	ug/kg	73	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Dibenzofuran	ND	ug/kg	104	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
1,2-Dichlorobenzene	ND	ug/kg	104	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
1,3-Dichlorobenzene	ND	ug/kg	104	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
1,4-Dichlorobenzene	ND	ug/kg	104	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
3,3-Dichlorobenzidine	ND	ug/kg	104	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
2,4-Dichlorophenol	ND	ug/kg	281	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Diethylphthalate	ND	ug/kg	104	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
2,4-Dimethylphenol	ND	ug/kg	281	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Dimethylphthalate	ND	ug/kg	104	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
2,4-Dinitrophenol	ND	ug/kg	562	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
2,4-Dinitrotoluene	ND	ug/kg	104	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
2,6-Dinitrotoluene	ND	ug/kg	104	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
bis(2-Ethylhexyl)phthalate	ND	ug/kg	104	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Fluoranthene	ND	ug/kg	73	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Fluorene	ND	ug/kg	73	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1

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Project Name: **YORK RDA - NORTHWEST TRIANGLE**
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PO#: 07214
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Sample ID: **E-SS6[2.5]**
Date Collected: 07/26/07 12:00

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Hexachlorobenzene	ND	ug/kg	104	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Hexachlorobutadiene	ND	ug/kg	104	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Hexachlorocyclopentadiene	ND	ug/kg	281	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Hexachloroethane	ND	ug/kg	104	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Indeno(1,2,3-cd)pyrene	ND	ug/kg	73	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Isophorone	ND	ug/kg	104	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
2-Methyl-4,6-dinitrophenol	ND	ug/kg	281	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
2-Methylnaphthalene	ND	ug/kg	73	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Naphthalene	ND	ug/kg	73	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
2-Nitroaniline	ND	ug/kg	104	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
3-Nitroaniline	ND	ug/kg	281	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
4-Nitroaniline	ND	ug/kg	281	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Nitrobenzene	ND	ug/kg	104	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
2-Nitrophenol	ND	ug/kg	281	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
4-Nitrophenol	ND	ug/kg	562	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
N-Nitroso-di-n-propylamine	ND	ug/kg	104	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
N-Nitrosodiphenylamine	ND	ug/kg	104	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Pentachlorophenol	ND	ug/kg	562	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Phenanthrene	ND	ug/kg	73	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
Phenol	ND	ug/kg	281	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1

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Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Pyrene	ND	ug/kg	73	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
1,2,4-Trichlorobenzene	ND	ug/kg	104	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
2,4,5-Trichlorophenol	ND	ug/kg	281	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
2,4,6-Trichlorophenol	ND	ug/kg	281	SW846 8270C	08/01/07 02:31	07/30/07	DRS	E1
WET CHEMISTRY								
Moisture	5.2	%	0.1	SM20-2540 G	07/27/07 05:45	07/27/07	KMW	E
Total Solids	94.8	%	0.1	SM20-2540 G	07/27/07 05:45	07/27/07	KMW	E
METALS								
Arsenic, Total	4	mg/kg	2	SW846 6010B	08/07/07 05:43	08/02/07	TED	E4
Barium, Total	29	mg/kg	0.8	SW846 6010B	08/07/07 05:43	08/02/07	TED	E4
Cadmium, Total	ND	mg/kg	0.4	SW846 6010B	08/07/07 05:43	08/02/07	TED	E4
Chromium, Total	10.3	mg/kg	0.8	SW846 6010B	08/07/07 05:43	08/02/07	TED	E4
Lead, Total	6	mg/kg	2	SW846 6010B	08/07/07 05:43	08/02/07	TED	E4
Mercury, Total	ND	mg/kg	0.20	SW846 7471B	08/09/07 08:44	08/08/07	CMD	E5
Selenium, Total	ND	mg/kg	4	SW846 6010B	08/07/07 05:43	08/02/07	TED	E4
Silver, Total	ND	mg/kg	0.4	SW846 6010B	08/07/07 05:43	08/02/07	TED	E4

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PO#: 07214
COC Number:

Sample ID: **E-SS6[2.5]**
Date Collected: 07/26/07 12:00

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Surrogates	Result	Units	Recovery	Limits
2,4,6-Tribromophenol	3110	ug/kg	95.0%	(24 - 130)
1,2-Dichloroethane-d4	16.6	ug/kg	76.0%	(56 - 124)
Dibromofluoromethane	18.5	ug/kg	84.0%	(62 - 123)
Toluene-d8	21.3	ug/kg	97.0%	(59 - 131)
2-Fluorobiphenyl	1380	ug/kg	84.0%	(40 - 113)
2-Fluorophenol	3070	ug/kg	93.0%	(25 - 110)
Nitrobenzene-d5	1530	ug/kg	93.0%	(36 - 113)
Phenol-d5	3160	ug/kg	96.0%	(28 - 111)
4-Bromofluorobenzene	18.7	ug/kg	85.0%	(51 - 128)
Terphenyl-d14	1430	ug/kg	87.0%	(35 - 135)

Comments:

One or more of the matrix spike compounds for the EPA 8270 analysis were recovered outside of the quality control limits due to sample matrix interferences. The LCS sample associated to this sample was within control limits.

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Laboratory Manager

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Page: 44 Of 71
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **E-SS7[2.5]**
Date Collected: 07/26/07 12:35

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS								
Acetone	26.3	ug/kg	23.7	8260/5035	07/31/07 14:00	07/26/07	JAH	B
Benzene	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
Bromochloromethane	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
Bromodichloromethane	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
Bromoform	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
Bromomethane	ND	ug/kg	3.8	8260/5035	07/31/07 14:00	07/26/07	JAH	B
2-Butanone	ND	ug/kg	9.5	8260/5035	07/31/07 14:00	07/26/07	JAH	B
Carbon Disulfide	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
Carbon Tetrachloride	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
Chlorobenzene	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
Chlorodibromomethane	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
Chloroethane	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
Chloroform	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
Chloromethane	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
1,2-Dibromo-3-chloropropane	ND	ug/kg	3.8	8260/5035	07/31/07 14:00	07/26/07	JAH	B
1,2-Dibromoethane	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
1,1-Dichloroethane	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
1,2-Dichloroethane	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
1,1-Dichloroethene	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
cis-1,2-Dichloroethene	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B

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Certificate of Analysis

August 10, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9695451007**
Received: 07/26/07 16:15
Discard: 08/24/07
Page: 45 Of 71

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS7[2.5]**
Date Collected: 07/26/07 12:35

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS (continued)								
trans-1,2-Dichloroethene	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
1,2-Dichloropropane	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
cis-1,3-Dichloropropene	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
trans-1,3-Dichloropropene	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
Ethylbenzene	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
2-Hexanone	ND	ug/kg	9.5	8260/5035	07/31/07 14:00	07/26/07	JAH	B
4-Methyl-2-Pentanone(MIBK)	ND	ug/kg	9.5	8260/5035	07/31/07 14:00	07/26/07	JAH	B
Methylene Chloride	2.4	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
Styrene	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
1,1,2,2-Tetrachloroethane	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
Tetrachloroethene	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
Toluene	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
Total Xylenes	ND	ug/kg	5.7	8260/5035	07/31/07 14:00	07/26/07	JAH	B
1,1,1-Trichloroethane	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
1,1,2-Trichloroethane	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
Trichloroethene	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
Vinyl Chloride	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
o-Xylene	ND	ug/kg	1.9	8260/5035	07/31/07 14:00	07/26/07	JAH	B
mp-Xylene	ND	ug/kg	3.8	8260/5035	07/31/07 14:00	07/26/07	JAH	B

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Discard: 08/24/07
Page: 46 Of 71
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **E-SS7[2.5]**
Date Collected: 07/26/07 12:35

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES								
Acenaphthene	ND	ug/kg	83	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Acenaphthylene	ND	ug/kg	83	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Anthracene	ND	ug/kg	83	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Benzo(a)anthracene	ND	ug/kg	83	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Benzo(a)pyrene	ND	ug/kg	83	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Benzo(b)fluoranthene	ND	ug/kg	83	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Benzo(g,h,i)perylene	ND	ug/kg	83	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Benzo(k)fluoranthene	ND	ug/kg	83	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
4-Bromophenyl-phenylether	ND	ug/kg	118	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Butylbenzylphthalate	ND	ug/kg	118	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Carbazole	ND	ug/kg	118	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
4-Chloro-3-methylphenol	ND	ug/kg	320	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
4-Chloroaniline	ND	ug/kg	320	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Bis(2-Chloroethoxy)methane	ND	ug/kg	118	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Bis(2-Chloroethyl)ether	ND	ug/kg	118	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
bis(2-Chloroisopropyl)ether	ND	ug/kg	118	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
2-Chloronaphthalene	ND	ug/kg	118	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
2-Chlorophenol	ND	ug/kg	320	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
4-Chlorophenyl-phenylether	ND	ug/kg	118	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Chrysene	ND	ug/kg	83	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1

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Page: 47 Of 71

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS7[2.5]**
Date Collected: 07/26/07 12:35

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
mp-Cresol	ND	ug/kg	320	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
o-Cresol	ND	ug/kg	320	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Di-n-Butylphthalate	ND	ug/kg	118	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Di-n-Octylphthalate	ND	ug/kg	320	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Dibenzo(a,h)anthracene	ND	ug/kg	83	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Dibenzofuran	ND	ug/kg	118	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
1,2-Dichlorobenzene	ND	ug/kg	118	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
1,3-Dichlorobenzene	ND	ug/kg	118	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
1,4-Dichlorobenzene	ND	ug/kg	118	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
3,3-Dichlorobenzidine	ND	ug/kg	118	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
2,4-Dichlorophenol	ND	ug/kg	320	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Diethylphthalate	ND	ug/kg	118	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
2,4-Dimethylphenol	ND	ug/kg	320	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Dimethylphthalate	ND	ug/kg	118	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
2,4-Dinitrophenol	ND	ug/kg	640	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
2,4-Dinitrotoluene	ND	ug/kg	118	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
2,6-Dinitrotoluene	ND	ug/kg	118	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
bis(2-Ethylhexyl)phthalate	ND	ug/kg	118	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Fluoranthene	ND	ug/kg	83	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Fluorene	ND	ug/kg	83	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1

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Page: 48 Of 71
PO#: 07214
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Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **E-SS7[2.5]**
Date Collected: 07/26/07 12:35
Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Hexachlorobenzene	ND	ug/kg	118	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Hexachlorobutadiene	ND	ug/kg	118	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Hexachlorocyclopentadiene	ND	ug/kg	320	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Hexachloroethane	ND	ug/kg	118	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Indeno(1,2,3-cd)pyrene	ND	ug/kg	83	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Isophorone	ND	ug/kg	118	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
2-Methyl-4,6-dinitrophenol	ND	ug/kg	320	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
2-Methylnaphthalene	ND	ug/kg	83	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Naphthalene	ND	ug/kg	83	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
2-Nitroaniline	ND	ug/kg	118	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
3-Nitroaniline	ND	ug/kg	320	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
4-Nitroaniline	ND	ug/kg	320	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Nitrobenzene	ND	ug/kg	118	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
2-Nitrophenol	ND	ug/kg	320	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
4-Nitrophenol	ND	ug/kg	640	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
N-Nitroso-di-n-propylamine	ND	ug/kg	118	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
N-Nitrosodiphenylamine	ND	ug/kg	118	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Pentachlorophenol	ND	ug/kg	640	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Phenanthrene	ND	ug/kg	83	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
Phenol	ND	ug/kg	320	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1

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Lab ID #: **9695451007**
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Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS7[2.5]**
Date Collected: 07/26/07 12:35

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Pyrene	83	ug/kg	83	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
1,2,4-Trichlorobenzene	ND	ug/kg	118	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
2,4,5-Trichlorophenol	ND	ug/kg	320	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
2,4,6-Trichlorophenol	ND	ug/kg	320	SW846 8270C	08/01/07 14:10	07/30/07	DHF	E1
WET CHEMISTRY								
Moisture	15.9	%	0.1	SM20-2540 G	07/27/07 05:45	07/27/07	KMW	E
Total Solids	84.1	%	0.1	SM20-2540 G	07/27/07 05:45	07/27/07	KMW	E
METALS								
Arsenic, Total	11	mg/kg	3	SW846 6010B	08/07/07 05:48	08/02/07	TED	E2
Barium, Total	96	mg/kg	1	SW846 6010B	08/07/07 05:48	08/02/07	TED	E2
Cadmium, Total	ND	mg/kg	0.6	SW846 6010B	08/07/07 05:48	08/02/07	TED	E2
Chromium, Total	26.4	mg/kg	1.1	SW846 6010B	08/07/07 05:48	08/02/07	TED	E2
Lead, Total	60	mg/kg	2	SW846 6010B	08/07/07 05:48	08/02/07	TED	E2
Mercury, Total	ND	mg/kg	0.21	SW846 7471B	08/09/07 08:47	08/08/07	CMD	E3
Selenium, Total	ND	mg/kg	6	SW846 6010B	08/07/07 05:48	08/02/07	TED	E2
Silver, Total	ND	mg/kg	0.6	SW846 6010B	08/07/07 05:48	08/02/07	TED	E2

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Page: 50 Of 71
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **E-SS7[2.5]**
Date Collected: 07/26/07 12:35

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Surrogates	Result	Units	Recovery	Limits
2,4,6-Tribromophenol	2870	ug/kg	86.0%	(24 - 130)
1,2-Dichloroethane-d4	19.5	ug/kg	82.0%	(56 - 124)
Dibromofluoromethane	20.4	ug/kg	86.0%	(62 - 123)
Toluene-d8	22.8	ug/kg	95.0%	(59 - 131)
2-Fluorobiphenyl	1230	ug/kg	74.0%	(40 - 113)
2-Fluorophenol	2600	ug/kg	78.0%	(25 - 110)
Nitrobenzene-d5	1420	ug/kg	86.0%	(36 - 113)
Phenol-d5	2670	ug/kg	80.0%	(28 - 111)
4-Bromofluorobenzene	20.5	ug/kg	86.0%	(51 - 128)
Terphenyl-d14	1470	ug/kg	89.0%	(35 - 135)

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Raymond J. Martrano
Laboratory Manager

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Lab ID #: **9695451008**
Received: 07/26/07 16:15
Discard: 08/24/07
Page: 51 Of 71

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS8[2.5]**
Date Collected: 07/26/07 13:10

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS								
Acetone	ND	ug/kg	27.0	8260/5035	07/31/07 14:30	07/26/07	JAH	B
Benzene	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
Bromochloromethane	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
Bromodichloromethane	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
Bromoform	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
Bromomethane	ND	ug/kg	4.3	8260/5035	07/31/07 14:30	07/26/07	JAH	B
2-Butanone	ND	ug/kg	10.8	8260/5035	07/31/07 14:30	07/26/07	JAH	B
Carbon Disulfide	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
Carbon Tetrachloride	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
Chlorobenzene	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
Chlorodibromomethane	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
Chloroethane	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
Chloroform	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
Chloromethane	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.3	8260/5035	07/31/07 14:30	07/26/07	JAH	B
1,2-Dibromoethane	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
1,1-Dichloroethane	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
1,2-Dichloroethane	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
1,1-Dichloroethene	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
cis-1,2-Dichloroethene	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B

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Certificate of Analysis

August 10, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9695451008**
Received: 07/26/07 16:15
Discard: 08/24/07
Page: 52 Of 71
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **E-SS8[2.5]**
Date Collected: 07/26/07 13:10
Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS (continued)								
trans-1,2-Dichloroethene	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
1,2-Dichloropropane	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
cis-1,3-Dichloropropene	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
trans-1,3-Dichloropropene	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
Ethylbenzene	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
2-Hexanone	ND	ug/kg	10.8	8260/5035	07/31/07 14:30	07/26/07	JAH	B
4-Methyl-2-Pentanone(MIBK)	ND	ug/kg	10.8	8260/5035	07/31/07 14:30	07/26/07	JAH	B
Methylene Chloride	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
Styrene	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
Tetrachloroethene	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
Toluene	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
Total Xylenes	ND	ug/kg	6.5	8260/5035	07/31/07 14:30	07/26/07	JAH	B
1,1,1-Trichloroethane	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
1,1,2-Trichloroethane	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
Trichloroethene	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
Vinyl Chloride	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
o-Xylene	ND	ug/kg	2.2	8260/5035	07/31/07 14:30	07/26/07	JAH	B
mp-Xylene	ND	ug/kg	4.3	8260/5035	07/31/07 14:30	07/26/07	JAH	B

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Lab ID #: **9695451008**
Received: 07/26/07 16:15
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Page: 53 Of 71

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS8[2.5]**
Date Collected: 07/26/07 13:10

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES								
Acenaphthene	ND	ug/kg	83	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Acenaphthylene	ND	ug/kg	83	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Anthracene	ND	ug/kg	83	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Benzo(a)anthracene	107	ug/kg	83	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Benzo(a)pyrene	100	ug/kg	83	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Benzo(b)fluoranthene	101	ug/kg	83	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Benzo(g,h,i)perylene	ND	ug/kg	83	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Benzo(k)fluoranthene	120	ug/kg	83	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
4-Bromophenyl-phenylether	ND	ug/kg	118	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Butylbenzylphthalate	ND	ug/kg	118	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Carbazole	ND	ug/kg	118	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
4-Chloro-3-methylphenol	ND	ug/kg	319	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
4-Chloroaniline	ND	ug/kg	319	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Bis(2-Chloroethoxy)methane	ND	ug/kg	118	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Bis(2-Chloroethyl)ether	ND	ug/kg	118	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
bis(2-Chloroisopropyl)ether	ND	ug/kg	118	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
2-Chloronaphthalene	ND	ug/kg	118	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
2-Chlorophenol	ND	ug/kg	319	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
4-Chlorophenyl-phenylether	ND	ug/kg	118	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Chrysene	189	ug/kg	83	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1

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Sample ID: **E-SS8[2.5]**
Date Collected: 07/26/07 13:10
Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
mp-Cresol	ND	ug/kg	319	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
o-Cresol	ND	ug/kg	319	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Di-n-Butylphthalate	ND	ug/kg	118	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Di-n-Octylphthalate	ND	ug/kg	319	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Dibenzo(a,h)anthracene	ND	ug/kg	83	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Dibenzofuran	ND	ug/kg	118	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
1,2-Dichlorobenzene	ND	ug/kg	118	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
1,3-Dichlorobenzene	ND	ug/kg	118	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
1,4-Dichlorobenzene	ND	ug/kg	118	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
3,3-Dichlorobenzidine	ND	ug/kg	118	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
2,4-Dichlorophenol	ND	ug/kg	319	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Diethylphthalate	ND	ug/kg	118	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
2,4-Dimethylphenol	ND	ug/kg	319	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Dimethylphthalate	ND	ug/kg	118	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
2,4-Dinitrophenol	ND	ug/kg	638	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
2,4-Dinitrotoluene	ND	ug/kg	118	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
2,6-Dinitrotoluene	ND	ug/kg	118	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
bis(2-Ethylhexyl)phthalate	ND	ug/kg	118	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Fluoranthene	240	ug/kg	83	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Fluorene	ND	ug/kg	83	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1

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Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS8[2.5]**
Date Collected: 07/26/07 13:10

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Hexachlorobenzene	ND	ug/kg	118	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Hexachlorobutadiene	ND	ug/kg	118	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Hexachlorocyclopentadiene	ND	ug/kg	319	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Hexachloroethane	ND	ug/kg	118	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Indeno(1,2,3-cd)pyrene	ND	ug/kg	83	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Isophorone	ND	ug/kg	118	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
2-Methyl-4,6-dinitrophenol	ND	ug/kg	319	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
2-Methylnaphthalene	ND	ug/kg	83	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Naphthalene	ND	ug/kg	83	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
2-Nitroaniline	ND	ug/kg	118	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
3-Nitroaniline	ND	ug/kg	319	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
4-Nitroaniline	ND	ug/kg	319	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Nitrobenzene	ND	ug/kg	118	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
2-Nitrophenol	ND	ug/kg	319	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
4-Nitrophenol	ND	ug/kg	638	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
N-Nitroso-di-n-propylamine	ND	ug/kg	118	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
N-Nitrosodiphenylamine	ND	ug/kg	118	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Pentachlorophenol	ND	ug/kg	638	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Phenanthrene	235	ug/kg	83	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
Phenol	ND	ug/kg	319	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1

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Lab ID #: **9695451008**
Received: 07/26/07 16:15
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Page: 56 Of 71
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **E-SS8[2.5]**
Date Collected: 07/26/07 13:10

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Pyrene	234	ug/kg	83	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
1,2,4-Trichlorobenzene	ND	ug/kg	118	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
2,4,5-Trichlorophenol	ND	ug/kg	319	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
2,4,6-Trichlorophenol	ND	ug/kg	319	SW846 8270C	08/01/07 14:59	07/30/07	DHF	E1
WET CHEMISTRY								
Moisture	16.2	%	0.1	SM20-2540 G	07/27/07 05:45	07/27/07	KMW	E
Total Solids	83.8	%	0.1	SM20-2540 G	07/27/07 05:45	07/27/07	KMW	E
METALS								
Arsenic, Total	18	mg/kg	2	SW846 6010B	08/07/07 05:52	08/02/07	TED	E2
Barium, Total	84	mg/kg	0.9	SW846 6010B	08/07/07 05:52	08/02/07	TED	E2
Cadmium, Total	ND	mg/kg	0.5	SW846 6010B	08/07/07 05:52	08/02/07	TED	E2
Chromium, Total	19.7	mg/kg	0.9	SW846 6010B	08/07/07 05:52	08/02/07	TED	E2
Lead, Total	1430	mg/kg	2	SW846 6010B	08/07/07 05:52	08/02/07	TED	E2
Mercury, Total	ND	mg/kg	0.23	SW846 7471B	08/09/07 08:51	08/08/07	CMD	E3
Selenium, Total	ND	mg/kg	5	SW846 6010B	08/07/07 05:52	08/02/07	TED	E2
Silver, Total	ND	mg/kg	0.5	SW846 6010B	08/07/07 05:52	08/02/07	TED	E2

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Lab ID #: **9695451008**
Received: 07/26/07 16:15
Discard: 08/24/07
Page: 57 Of 71

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS8[2.5]**
Date Collected: 07/26/07 13:10

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Surrogates	Result	Units	Recovery	Limits
2,4,6-Tribromophenol	2810	ug/kg	85.0%	(24 - 130)
1,2-Dichloroethane-d4	22.7	ug/kg	84.0%	(56 - 124)
Dibromofluoromethane	23.1	ug/kg	85.0%	(62 - 123)
Toluene-d8	26.7	ug/kg	98.0%	(59 - 131)
2-Fluorobiphenyl	1320	ug/kg	80.0%	(40 - 113)
2-Fluorophenol	2710	ug/kg	82.0%	(25 - 110)
Nitrobenzene-d5	1510	ug/kg	92.0%	(36 - 113)
Phenol-d5	2780	ug/kg	84.0%	(28 - 111)
4-Bromofluorobenzene	26.3	ug/kg	97.0%	(51 - 128)
Terphenyl-d14	1550	ug/kg	94.0%	(35 - 135)

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Raymond J. Martrano
Laboratory Manager

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Lab ID #: **9695451009**
Received: 07/26/07 16:15
Discard: 08/24/07
Page: 58 Of 71

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS9[2.5]**
Date Collected: 07/26/07 13:35

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS								
Acetone	ND	ug/kg	22.9	8260/5035	08/08/07 20:11	07/26/07	DXN	C
Benzene	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
Bromochloromethane	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
Bromodichloromethane	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
Bromoform	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
Bromomethane	ND	ug/kg	3.7	8260/5035	08/08/07 20:11	07/26/07	DXN	C
2-Butanone	ND	ug/kg	9.1	8260/5035	08/08/07 20:11	07/26/07	DXN	C
Carbon Disulfide	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
Carbon Tetrachloride	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
Chlorobenzene	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
Chlorodibromomethane	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
Chloroethane	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
Chloroform	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
Chloromethane	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
1,2-Dibromo-3-chloropropane	ND	ug/kg	3.7	8260/5035	08/08/07 20:11	07/26/07	DXN	C
1,2-Dibromoethane	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
1,1-Dichloroethane	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
1,2-Dichloroethane	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
1,1-Dichloroethene	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
cis-1,2-Dichloroethene	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C

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Page: 59 Of 71

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
PO#: 07214
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**
COC Number:

Sample ID: **E-SS9[2.5]**
Matrix: Solid
Date Collected: 07/26/07 13:35
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS (continued)								
trans-1,2-Dichloroethene	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
1,2-Dichloropropane	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
cis-1,3-Dichloropropene	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
trans-1,3-Dichloropropene	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
Ethylbenzene	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
2-Hexanone	ND	ug/kg	9.1	8260/5035	08/08/07 20:11	07/26/07	DXN	C
4-Methyl-2-Pentanone(MIBK)	ND	ug/kg	9.1	8260/5035	08/08/07 20:11	07/26/07	DXN	C
Methylene Chloride	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
Styrene	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
1,1,2,2-Tetrachloroethane	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
Tetrachloroethene	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
Toluene	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
Total Xylenes	ND	ug/kg	5.5	8260/5035	08/08/07 20:11	07/26/07	DXN	C
1,1,1-Trichloroethane	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
1,1,2-Trichloroethane	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
Trichloroethene	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
Vinyl Chloride	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
o-Xylene	ND	ug/kg	1.8	8260/5035	08/08/07 20:11	07/26/07	DXN	C
mp-Xylene	ND	ug/kg	3.7	8260/5035	08/08/07 20:11	07/26/07	DXN	C

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Certificate of Analysis

August 10, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9695451009**
Received: 07/26/07 16:15
Discard: 08/24/07
Page: 60 Of 71
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **E-SS9[2.5]**
Date Collected: 07/26/07 13:35

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES								
Acenaphthene	ND	ug/kg	82	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Acenaphthylene	ND	ug/kg	82	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Anthracene	ND	ug/kg	82	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Benzo(a)anthracene	155	ug/kg	82	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Benzo(a)pyrene	188	ug/kg	82	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Benzo(b)fluoranthene	189	ug/kg	82	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Benzo(g,h,i)perylene	163	ug/kg	82	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Benzo(k)fluoranthene	192	ug/kg	82	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
4-Bromophenyl-phenylether	ND	ug/kg	117	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Butylbenzylphthalate	ND	ug/kg	117	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Carbazole	ND	ug/kg	117	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
4-Chloro-3-methylphenol	ND	ug/kg	316	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
4-Chloroaniline	ND	ug/kg	316	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Bis(2-Chloroethoxy)methane	ND	ug/kg	117	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Bis(2-Chloroethyl)ether	ND	ug/kg	117	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
bis(2-Chloroisopropyl)ether	ND	ug/kg	117	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
2-Chloronaphthalene	ND	ug/kg	117	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
2-Chlorophenol	ND	ug/kg	316	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
4-Chlorophenyl-phenylether	ND	ug/kg	117	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Chrysene	263	ug/kg	82	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1

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Lab ID #: **9695451009**
Received: 07/26/07 16:15
Discard: 08/24/07

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS9[2.5]**
Date Collected: 07/26/07 13:35

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
mp-Cresol	ND	ug/kg	316	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
o-Cresol	ND	ug/kg	316	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Di-n-Butylphthalate	ND	ug/kg	117	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Di-n-Octylphthalate	ND	ug/kg	316	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Dibenzo(a,h)anthracene	ND	ug/kg	82	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Dibenzofuran	ND	ug/kg	117	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
1,2-Dichlorobenzene	ND	ug/kg	117	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
1,3-Dichlorobenzene	ND	ug/kg	117	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
1,4-Dichlorobenzene	ND	ug/kg	117	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
3,3-Dichlorobenzidine	ND	ug/kg	117	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
2,4-Dichlorophenol	ND	ug/kg	316	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Diethylphthalate	ND	ug/kg	117	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
2,4-Dimethylphenol	ND	ug/kg	316	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Dimethylphthalate	ND	ug/kg	117	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
2,4-Dinitrophenol	ND	ug/kg	633	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
2,4-Dinitrotoluene	ND	ug/kg	117	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
2,6-Dinitrotoluene	ND	ug/kg	117	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
bis(2-Ethylhexyl)phthalate	ND	ug/kg	117	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Fluoranthene	401	ug/kg	82	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Fluorene	ND	ug/kg	82	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1

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Lab ID #: **9695451009**
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PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **E-SS9[2.5]**
Date Collected: 07/26/07 13:35
Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Hexachlorobenzene	ND	ug/kg	117	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Hexachlorobutadiene	ND	ug/kg	117	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Hexachlorocyclopentadiene	ND	ug/kg	316	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Hexachloroethane	ND	ug/kg	117	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Indeno(1,2,3-cd)pyrene	138	ug/kg	82	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Isophorone	ND	ug/kg	117	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
2-Methyl-4,6-dinitrophenol	ND	ug/kg	316	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
2-Methylnaphthalene	ND	ug/kg	82	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Naphthalene	ND	ug/kg	82	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
2-Nitroaniline	ND	ug/kg	117	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
3-Nitroaniline	ND	ug/kg	316	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
4-Nitroaniline	ND	ug/kg	316	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Nitrobenzene	ND	ug/kg	117	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
2-Nitrophenol	ND	ug/kg	316	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
4-Nitrophenol	ND	ug/kg	633	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
N-Nitroso-di-n-propylamine	ND	ug/kg	117	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
N-Nitrosodiphenylamine	ND	ug/kg	117	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Pentachlorophenol	ND	ug/kg	633	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Phenanthrene	271	ug/kg	82	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
Phenol	ND	ug/kg	316	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1

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Lab ID #: **9695451009**
Received: 07/26/07 16:15
Discard: 08/24/07
Page: 63 Of 71

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS9[2.5]**
Date Collected: 07/26/07 13:35

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Pyrene	470	ug/kg	82	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
1,2,4-Trichlorobenzene	ND	ug/kg	117	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
2,4,5-Trichlorophenol	ND	ug/kg	316	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
2,4,6-Trichlorophenol	ND	ug/kg	316	SW846 8270C	08/01/07 15:47	07/30/07	DHF	E1
WET CHEMISTRY								
Moisture	15.2	%	0.1	SM20-2540 G	07/27/07 05:45	07/27/07	KMW	E
Total Solids	84.8	%	0.1	SM20-2540 G	07/27/07 05:45	07/27/07	KMW	E
METALS								
Arsenic, Total	46	mg/kg	2	SW846 6010B	08/07/07 05:57	08/02/07	TED	E2
Barium, Total	98	mg/kg	0.7	SW846 6010B	08/07/07 05:57	08/02/07	TED	E2
Cadmium, Total	0.6	mg/kg	0.4	SW846 6010B	08/07/07 05:57	08/02/07	TED	E2
Chromium, Total	37.0	mg/kg	0.7	SW846 6010B	08/07/07 05:57	08/02/07	TED	E2
Lead, Total	199	mg/kg	1	SW846 6010B	08/07/07 05:57	08/02/07	TED	E2
Mercury, Total	ND	mg/kg	0.23	SW846 7471B	08/09/07 08:55	08/08/07	CMD	E3
Selenium, Total	ND	mg/kg	4	SW846 6010B	08/07/07 05:57	08/02/07	TED	E2
Silver, Total	ND	mg/kg	0.4	SW846 6010B	08/07/07 05:57	08/02/07	TED	E2

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Hershey, PA 17033

Lab ID #: **9695451009**
Received: 07/26/07 16:15
Discard: 08/24/07
Page: 64 Of 71
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **E-SS9[2.5]**
Date Collected: 07/26/07 13:35

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Surrogates	Result	Units	Recovery	Limits
2,4,6-Tribromophenol	2980	ug/kg	90.0%	(24 - 130)
1,2-Dichloroethane-d4	19.3	ug/kg	83.0%	(56 - 124)
Dibromofluoromethane	18	ug/kg	78.0%	(62 - 123)
Toluene-d8	20.4	ug/kg	88.0%	(59 - 131)
2-Fluorobiphenyl	1340	ug/kg	81.0%	(40 - 113)
2-Fluorophenol	2760	ug/kg	83.0%	(25 - 110)
Nitrobenzene-d5	1550	ug/kg	93.0%	(36 - 113)
Phenol-d5	2760	ug/kg	83.0%	(28 - 111)
4-Bromofluorobenzene	19.8	ug/kg	85.0%	(51 - 128)
Terphenyl-d14	1510	ug/kg	91.0%	(35 - 135)

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Raymond J. Martrano
Laboratory Manager

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ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9695451010**
Received: 07/26/07 16:15
Discard: 08/24/07
Page: 65 Of 71

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS10[2.5]**
Date Collected: 07/26/07 14:05

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS								
Acetone	ND	ug/kg	20.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
Benzene	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
Bromochloromethane	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
Bromodichloromethane	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
Bromoform	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
Bromomethane	ND	ug/kg	3.3	8260/5035	08/08/07 21:32	07/26/07	DXN	C
2-Butanone	ND	ug/kg	8.3	8260/5035	08/08/07 21:32	07/26/07	DXN	C
Carbon Disulfide	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
Carbon Tetrachloride	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
Chlorobenzene	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
Chlorodibromomethane	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
Chloroethane	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
Chloroform	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
Chloromethane	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
1,2-Dibromo-3-chloropropane	ND	ug/kg	3.3	8260/5035	08/08/07 21:32	07/26/07	DXN	C
1,2-Dibromoethane	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
1,1-Dichloroethane	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
1,2-Dichloroethane	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
1,1-Dichloroethene	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
cis-1,2-Dichloroethene	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C

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Discard: 08/24/07

PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **E-SS10[2.5]**
Date Collected: 07/26/07 14:05

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
VOLATILE ORGANICS (continued)								
trans-1,2-Dichloroethene	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
1,2-Dichloropropane	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
cis-1,3-Dichloropropene	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
trans-1,3-Dichloropropene	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
Ethylbenzene	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
2-Hexanone	ND	ug/kg	8.3	8260/5035	08/08/07 21:32	07/26/07	DXN	C
4-Methyl-2-Pentanone(MIBK)	ND	ug/kg	8.3	8260/5035	08/08/07 21:32	07/26/07	DXN	C
Methylene Chloride	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
Styrene	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
1,1,2,2-Tetrachloroethane	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
Tetrachloroethene	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
Toluene	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
Total Xylenes	ND	ug/kg	5.0	8260/5035	08/08/07 21:32	07/26/07	DXN	C
1,1,1-Trichloroethane	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
1,1,2-Trichloroethane	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
Trichloroethene	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
Vinyl Chloride	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
o-Xylene	ND	ug/kg	1.7	8260/5035	08/08/07 21:32	07/26/07	DXN	C
mp-Xylene	ND	ug/kg	3.3	8260/5035	08/08/07 21:32	07/26/07	DXN	C

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Certificate of Analysis

August 10, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9695451010**
Received: 07/26/07 16:15
Discard: 08/24/07

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS10[2.5]**
Date Collected: 07/26/07 14:05

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES								
Acenaphthene	ND	ug/kg	76	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Acenaphthylene	ND	ug/kg	76	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Anthracene	ND	ug/kg	76	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Benzo(a)anthracene	154	ug/kg	76	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Benzo(a)pyrene	162	ug/kg	76	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Benzo(b)fluoranthene	216	ug/kg	76	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Benzo(g,h,i)perylene	ND	ug/kg	76	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Benzo(k)fluoranthene	146	ug/kg	76	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
4-Bromophenyl-phenylether	ND	ug/kg	109	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Butylbenzylphthalate	ND	ug/kg	109	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Carbazole	ND	ug/kg	109	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
4-Chloro-3-methylphenol	ND	ug/kg	294	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
4-Chloroaniline	ND	ug/kg	294	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Bis(2-Chloroethoxy)methane	ND	ug/kg	109	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Bis(2-Chloroethyl)ether	ND	ug/kg	109	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
bis(2-Chloroisopropyl)ether	ND	ug/kg	109	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
2-Chloronaphthalene	ND	ug/kg	109	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
2-Chlorophenol	ND	ug/kg	294	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
4-Chlorophenyl-phenylether	ND	ug/kg	109	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Chrysene	259	ug/kg	76	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1

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Certificate of Analysis

August 10, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9695451010**
Received: 07/26/07 16:15
Discard: 08/24/07
Page: 68 Of 71
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **E-SS10[2.5]**
Date Collected: 07/26/07 14:05

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
mp-Cresol	ND	ug/kg	294	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
o-Cresol	ND	ug/kg	294	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Di-n-Butylphthalate	ND	ug/kg	109	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Di-n-Octylphthalate	ND	ug/kg	294	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Dibenzo(a,h)anthracene	ND	ug/kg	76	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Dibenzofuran	ND	ug/kg	109	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
1,2-Dichlorobenzene	ND	ug/kg	109	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
1,3-Dichlorobenzene	ND	ug/kg	109	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
1,4-Dichlorobenzene	ND	ug/kg	109	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
3,3-Dichlorobenzidine	ND	ug/kg	109	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
2,4-Dichlorophenol	ND	ug/kg	294	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Diethylphthalate	ND	ug/kg	109	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
2,4-Dimethylphenol	ND	ug/kg	294	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Dimethylphthalate	ND	ug/kg	109	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
2,4-Dinitrophenol	ND	ug/kg	588	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
2,4-Dinitrotoluene	ND	ug/kg	109	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
2,6-Dinitrotoluene	ND	ug/kg	109	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
bis(2-Ethylhexyl)phthalate	ND	ug/kg	109	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Fluoranthene	390	ug/kg	76	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Fluorene	ND	ug/kg	76	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1

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Certificate of Analysis

August 10, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9695451010**
Received: 07/26/07 16:15
Discard: 08/24/07

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS10[2.5]**
Date Collected: 07/26/07 14:05

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Hexachlorobenzene	ND	ug/kg	109	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Hexachlorobutadiene	ND	ug/kg	109	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Hexachlorocyclopentadiene	ND	ug/kg	294	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Hexachloroethane	ND	ug/kg	109	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Indeno(1,2,3-cd)pyrene	ND	ug/kg	76	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Isophorone	ND	ug/kg	109	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
2-Methyl-4,6-dinitrophenol	ND	ug/kg	294	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
2-Methylnaphthalene	ND	ug/kg	76	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Naphthalene	ND	ug/kg	76	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
2-Nitroaniline	ND	ug/kg	109	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
3-Nitroaniline	ND	ug/kg	294	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
4-Nitroaniline	ND	ug/kg	294	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Nitrobenzene	ND	ug/kg	109	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
2-Nitrophenol	ND	ug/kg	294	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
4-Nitrophenol	ND	ug/kg	588	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
N-Nitroso-di-n-propylamine	ND	ug/kg	109	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
N-Nitrosodiphenylamine	ND	ug/kg	109	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Pentachlorophenol	ND	ug/kg	588	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Phenanthrene	285	ug/kg	76	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
Phenol	ND	ug/kg	294	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1

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August 10, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9695451010**
Received: 07/26/07 16:15
Discard: 08/24/07
Page: 70 Of 71
PO#: 07214
COC Number:

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

Sample ID: **E-SS10[2.5]**
Date Collected: 07/26/07 14:05

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By	Cntr
SEMIVOLATILES (continued)								
Pyrene	363	ug/kg	76	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
1,2,4-Trichlorobenzene	ND	ug/kg	109	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
2,4,5-Trichlorophenol	ND	ug/kg	294	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
2,4,6-Trichlorophenol	ND	ug/kg	294	SW846 8270C	08/01/07 16:36	07/30/07	DHF	E1
WET CHEMISTRY								
Moisture	8.5	%	0.1	SM20-2540 G	07/27/07 05:45	07/27/07	KMW	E
Total Solids	91.5	%	0.1	SM20-2540 G	07/27/07 05:45	07/27/07	KMW	E
METALS								
Arsenic, Total	22	mg/kg	1	SW846 6010B	08/07/07 06:01	08/02/07	TED	E2
Barium, Total	91	mg/kg	0.6	SW846 6010B	08/07/07 06:01	08/02/07	TED	E2
Cadmium, Total	0.9	mg/kg	0.3	SW846 6010B	08/07/07 06:01	08/02/07	TED	E2
Chromium, Total	32.4	mg/kg	0.6	SW846 6010B	08/07/07 06:01	08/02/07	TED	E2
Lead, Total	285	mg/kg	1	SW846 6010B	08/07/07 06:01	08/02/07	TED	E2
Mercury, Total	ND	mg/kg	0.21	SW846 7471B	08/09/07 09:06	08/08/07	CMD	E3
Selenium, Total	ND	mg/kg	3	SW846 6010B	08/07/07 06:01	08/02/07	TED	E2
Silver, Total	ND	mg/kg	0.3	SW846 6010B	08/07/07 06:01	08/02/07	TED	E2

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Certificate of Analysis

August 10, 2007

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

Lab ID #: **9695451010**
Received: 07/26/07 16:15
Discard: 08/24/07
Page: 71 Of 71

Project Name: **YORK RDA - NORTHWEST TRIANGLE**
Workorder ID: **Soils-8260B,8270C,PCBs,Metals**

PO#: 07214
COC Number:

Sample ID: **E-SS10[2.5]**
Date Collected: 07/26/07 14:05

Matrix: Solid
Collected by: Mr. Dan Buterbaugh

Surrogates	Result	Units	Recovery	Limits
2,4,6-Tribromophenol	2980	ug/kg	90.0%	(24 - 130)
1,2-Dichloroethane-d4	19	ug/kg	84.0%	(56 - 124)
Dibromofluoromethane	18.1	ug/kg	80.0%	(62 - 123)
Toluene-d8	19.5	ug/kg	86.0%	(59 - 131)
2-Fluorobiphenyl	1340	ug/kg	80.0%	(40 - 113)
2-Fluorophenol	2720	ug/kg	82.0%	(25 - 110)
Nitrobenzene-d5	1410	ug/kg	85.0%	(36 - 113)
Phenol-d5	2640	ug/kg	80.0%	(28 - 111)
4-Bromofluorobenzene	19.5	ug/kg	86.0%	(51 - 128)
Terphenyl-d14	1370	ug/kg	82.0%	(35 - 135)

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Raymond J. Martrano
Laboratory Manager

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Certificate of Analysis

Project Name:	NWT-YORK	Workorder:	9778732
Purchase Order:	07214	Workorder ID:	NWT-YORK 03/06/09 part 2

Mr. Steve Fulton
ARM Group
1129 W. Governor Road
PO Box 797
Hershey, PA 17033

March 10, 2009

Dear Mr. Fulton,

Enclosed are the analytical results for samples received by the laboratory on Friday, March 06, 2009

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAC accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

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NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Dan Buterbaugh

Anna Milliken

Anna G Milliken
Laboratory Manager

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

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SAMPLE SUMMARY

Workorder: 9778732 NWT-YORK 03/06/09 part 2 Discard Date: 03/24/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9778732001	BC3-39 (2') 3-09	Solid	3/6/09 09:05	3/6/09 14:55	Dan Buterbaugh

Workorder Comments:

Notes

-- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9778732 NWT-YORK 03/06/09 part 2

Lab ID: 9778732001
Sample ID: BC3-39 (2') 3-09

Date Collected: 3/6/2009 09:05
Date Received: 3/6/2009 14:55

Matrix: Solid

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	16.7		%	0.1	SM20-2540 G			3/7/09 02:20	MBR	A
Total Solids	83.3		%	0.1	SM20-2540 G			3/7/09 02:20	MBR	A
METALS										
Arsenic, Total	9.0		mg/kg	3.3	SW846 6010C	3/9/09	MNP	3/10/09 02:49	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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Certificate of Analysis

Project Name:	NWT-YORK	Workorder:	9778730
Purchase Order:	07214	Workorder ID:	NWT-YORK (03/06/09)

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

March 12, 2009

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Friday, March 06, 2009

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

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Analytical Laboratory Services, Inc.

CC: Mr. Steve Fulton

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Laboratory Manager

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SAMPLE SUMMARY

Workorder: 9778730 NWT-YORK (03/06/09) Discard Date: 03/26/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9778730001	WAB-UST1 (12')	Solid	3/6/09 12:56	3/6/09 14:55	Dan Buterbaugh
9778730002	WAB-UST2 (12')	Solid	3/6/09 13:01	3/6/09 14:55	Dan Buterbaugh
9778730003	WAB Stockpile 1	Solid	3/6/09 12:52	3/6/09 14:55	Dan Buterbaugh
9778730004	WAB Stockpile 2	Solid	3/6/09 12:54	3/6/09 14:55	Dan Buterbaugh

Workorder Comments:

Notes

- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.

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MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9778730 NWT-YORK (03/06/09)

Lab ID: **9778730001** Date Collected: 3/6/2009 12:56 Matrix: Solid
Sample ID: **WAB-UST1 (12')** Date Received: 3/6/2009 14:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/kg	59.5	8260/5035	3/6/09	JAH	3/9/09 12:30	JAH	A
Ethylbenzene	ND		ug/kg	59.5	8260/5035	3/6/09	JAH	3/9/09 12:30	JAH	A
Isopropylbenzene	ND		ug/kg	59.5	8260/5035	3/6/09	JAH	3/9/09 12:30	JAH	A
Methyl t-Butyl Ether	ND		ug/kg	59.5	8260/5035	3/6/09	JAH	3/9/09 12:30	JAH	A
Naphthalene	358		ug/kg	119	8260/5035	3/6/09	JAH	3/9/09 12:30	JAH	A
Toluene	167		ug/kg	59.5	8260/5035	3/6/09	JAH	3/9/09 12:30	JAH	A
1,2,4-Trimethylbenzene	278		ug/kg	59.5	8260/5035	3/6/09	JAH	3/9/09 12:30	JAH	A
1,3,5-Trimethylbenzene	ND		ug/kg	59.5	8260/5035	3/6/09	JAH	3/9/09 12:30	JAH	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	76.1		%	71-146	8260/5035	3/6/09	JAH	3/9/09 12:30	JAH	A
4-Bromofluorobenzene (S)	55.5		%	46-138	8260/5035	3/6/09	JAH	3/9/09 12:30	JAH	A
Dibromofluoromethane (S)	81.7		%	42-143	8260/5035	3/6/09	JAH	3/9/09 12:30	JAH	A
Toluene-d8 (S)	99.8		%	54-141	8260/5035	3/6/09	JAH	3/9/09 12:30	JAH	A
WET CHEMISTRY										
Moisture	20.4		%	0.1	SM20-2540 G			3/7/09 02:20	MBR	A
Total Solids	79.6		%	0.1	SM20-2540 G			3/7/09 02:20	MBR	A

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9778730 NWT-YORK (03/06/09)

Lab ID: **9778730002** Date Collected: 3/6/2009 13:01 Matrix: Solid
Sample ID: **WAB-UST2 (12')** Date Received: 3/6/2009 14:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/kg	63.3	8260/5035	3/6/09	JAH	3/9/09 12:57	JAH	A
Ethylbenzene	ND		ug/kg	63.3	8260/5035	3/6/09	JAH	3/9/09 12:57	JAH	A
Isopropylbenzene	ND		ug/kg	63.3	8260/5035	3/6/09	JAH	3/9/09 12:57	JAH	A
Methyl t-Butyl Ether	ND		ug/kg	63.3	8260/5035	3/6/09	JAH	3/9/09 12:57	JAH	A
Naphthalene	ND		ug/kg	127	8260/5035	3/6/09	JAH	3/9/09 12:57	JAH	A
Toluene	ND		ug/kg	63.3	8260/5035	3/6/09	JAH	3/9/09 12:57	JAH	A
1,2,4-Trimethylbenzene	ND		ug/kg	63.3	8260/5035	3/6/09	JAH	3/9/09 12:57	JAH	A
1,3,5-Trimethylbenzene	ND		ug/kg	63.3	8260/5035	3/6/09	JAH	3/9/09 12:57	JAH	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	79.2		%	71-146	8260/5035	3/6/09	JAH	3/9/09 12:57	JAH	A
4-Bromofluorobenzene (S)	49.6		%	46-138	8260/5035	3/6/09	JAH	3/9/09 12:57	JAH	A
Dibromofluoromethane (S)	86.3		%	42-143	8260/5035	3/6/09	JAH	3/9/09 12:57	JAH	A
Toluene-d8 (S)	105		%	54-141	8260/5035	3/6/09	JAH	3/9/09 12:57	JAH	A
WET CHEMISTRY										
Moisture	19.4		%	0.1	SM20-2540 G			3/7/09 02:20	MBR	A
Total Solids	80.6		%	0.1	SM20-2540 G			3/7/09 02:20	MBR	A

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9778730 NWT-YORK (03/06/09)

Lab ID: **9778730003** Date Collected: 3/6/2009 12:52 Matrix: Solid

Sample ID: **WAB Stockpile 1** Date Received: 3/6/2009 14:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/kg	57.7	8260/5035	3/6/09	JAH	3/9/09 13:24	JAH	A
Ethylbenzene	ND		ug/kg	57.7	8260/5035	3/6/09	JAH	3/9/09 13:24	JAH	A
Isopropylbenzene	ND		ug/kg	57.7	8260/5035	3/6/09	JAH	3/9/09 13:24	JAH	A
Methyl t-Butyl Ether	ND		ug/kg	57.7	8260/5035	3/6/09	JAH	3/9/09 13:24	JAH	A
Naphthalene	ND		ug/kg	115	8260/5035	3/6/09	JAH	3/9/09 13:24	JAH	A
Toluene	61.4		ug/kg	57.7	8260/5035	3/6/09	JAH	3/9/09 13:24	JAH	A
1,2,4-Trimethylbenzene	90.3		ug/kg	57.7	8260/5035	3/6/09	JAH	3/9/09 13:24	JAH	A
1,3,5-Trimethylbenzene	ND		ug/kg	57.7	8260/5035	3/6/09	JAH	3/9/09 13:24	JAH	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	76.6		%	71-146	8260/5035	3/6/09	JAH	3/9/09 13:24	JAH	A
4-Bromofluorobenzene (S)	68.2		%	46-138	8260/5035	3/6/09	JAH	3/9/09 13:24	JAH	A
Dibromofluoromethane (S)	82.3		%	42-143	8260/5035	3/6/09	JAH	3/9/09 13:24	JAH	A
Toluene-d8 (S)	98.6		%	54-141	8260/5035	3/6/09	JAH	3/9/09 13:24	JAH	A
WET CHEMISTRY										
Moisture	17.8		%	0.1	SM20-2540 G			3/7/09 02:20	MBR	A
Total Solids	82.2		%	0.1	SM20-2540 G			3/7/09 02:20	MBR	A

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9778730 NWT-YORK (03/06/09)

Lab ID: **9778730004** Date Collected: 3/6/2009 12:54 Matrix: Solid
Sample ID: **WAB Stockpile 2** Date Received: 3/6/2009 14:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/kg	65.5	8260/5035	3/6/09	DD	3/9/09 20:56	DD	A
Ethylbenzene	ND		ug/kg	65.5	8260/5035	3/6/09	DD	3/9/09 20:56	DD	A
Isopropylbenzene	ND		ug/kg	65.5	8260/5035	3/6/09	DD	3/9/09 20:56	DD	A
Methyl t-Butyl Ether	ND		ug/kg	65.5	8260/5035	3/6/09	DD	3/9/09 20:56	DD	A
Naphthalene	541		ug/kg	131	8260/5035	3/6/09	DD	3/9/09 20:56	DD	A
Toluene	ND		ug/kg	65.5	8260/5035	3/6/09	DD	3/9/09 20:56	DD	A
1,2,4-Trimethylbenzene	457		ug/kg	65.5	8260/5035	3/6/09	DD	3/9/09 20:56	DD	A
1,3,5-Trimethylbenzene	146		ug/kg	65.5	8260/5035	3/6/09	DD	3/9/09 20:56	DD	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	76.6		%	71-146	8260/5035	3/6/09	DD	3/9/09 20:56	DD	A
4-Bromofluorobenzene (S)	76.9		%	46-138	8260/5035	3/6/09	DD	3/9/09 20:56	DD	A
Dibromofluoromethane (S)	84.9		%	42-143	8260/5035	3/6/09	DD	3/9/09 20:56	DD	A
Toluene-d8 (S)	94.4		%	54-141	8260/5035	3/6/09	DD	3/9/09 20:56	DD	A
WET CHEMISTRY										
Moisture	19.7		%	0.1	SM20-2540 G			3/7/09 02:20	MBR	A
Total Solids	80.3		%	0.1	SM20-2540 G			3/7/09 02:20	MBR	A

Sample Comments:

Anna G Milliken
Laboratory Manager

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/ SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 1
Courier:
Tracking #:

Co. Name: ARM Group
Contact (Report to): DButterbaugh/SFulton Phone:
Address: Hershey PA

Bill to (if different than Report to): PO#:

Project Name/#: NWT York/07214 ALSI Quote #:
TAT: [ ] Normal-Standard TAT is 10-12 business days. [X] Rush-Subject to ALSI approval and surcharges. Date Required: 3/10/09 Approved By:
Email? [X] Y dbutterbaugh@armgroup.net
Fax? [ ] Y No.: sfulton@armgroup.net

ANALYSES/METHOD REQUESTED: Heating Oil

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Enter Number of Containers Per Analysis
1	WAB-UST 1 (12')		3/6/09	1256	G	S	1
2	WAB-UST 2 (12')			1301	G	S	1
3	WAB Stockpile 1			1252	G	S	1
4	WAB-Stockpile 2			1254	G	S	1
5							
6							
7							
8							

***Container Type: G
***Container Size: 4 oz
Preservative: —

Receipt Information (reserved for Sample Receiving)
Performed by: DJS
Cooler Temp: 40C
Therm. ID: 5/023 55
No. of Cooters:
Notes:

	Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Circle appropriate Y or N.
	Y	Y	Y	Y	
	Y	Y	Y	Y	
	Y	Y	Y	Y	
	Y	Y	Y	Y	

	Custody seals Present?	(If present) Seals Intact?	Received on Ice?	COC/Labels complete/accurate?	Container in good condition?
	Y	Y	Y	Y	Y
	Y	Y	Y	Y	Y
	Y	Y	Y	Y	Y
	Y	Y	Y	Y	Y

SAMPLED BY (Please Print): D Butterbaugh
LOGGED BY (signature): Date 3/6/09 Time 1748
REVIEWED BY (signature): Date 03/6/09 Time 1340

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	3/6/09	0255	2	3/6/09	0255
3			4		
5			6		
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] other
EDDs Required? [ ] If yes, format type:
DOD Criteria Required?
SDWA Forms? yes yes yes yes
State Samples Collected in? MD NJ NY PA Other
SAMPLE DISPOSAL

ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

*G=Grab; C=Composite **Matrix: Air/Air; DW=Drinking Water; GW=Groundwater; Oil=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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Certificate of Analysis

Project Name:	**NWT-YORK**	Workorder:	**9778456**
Purchase Order:	**07214**	Workorder ID:	**NWT-YORK (03/05/09)**

Mr. Steve Fulton
ARM Group
1129 W. Governor Road
PO Box 797
Hershey, PA 17033

March 9, 2009

Dear Mr. Fulton,

Enclosed are the analytical results for samples received by the laboratory on Thursday, March 05, 2009

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAC accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALSI.

NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Dan Buterbaugh

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Laboratory Manager

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SAMPLE SUMMARY

Workorder: 9778456 NWT-YORK (03/05/09) Discard Date: 03/23/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9778456001	BC-UST-S1[8']	Solid	3/5/09 15:04	3/5/09 17:05	Dan Buterbaugh
9778456002	BC-UST-S2[8']	Solid	3/5/09 15:06	3/5/09 17:05	Dan Buterbaugh

Workorder Comments:

Notes

- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9778456 NWT-YORK (03/05/09)

Lab ID: **9778456001** Date Collected: 3/5/2009 15:04 Matrix: Solid
Sample ID: **BC-UST-S1[8']** Date Received: 3/5/2009 17:05

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/kg	58.7	8260/5035	3/6/09	TEH	3/6/09 17:58	TEH	A
Ethylbenzene	ND		ug/kg	58.7	8260/5035	3/6/09	TEH	3/6/09 17:58	TEH	A
Isopropylbenzene	ND		ug/kg	58.7	8260/5035	3/6/09	TEH	3/6/09 17:58	TEH	A
Methyl t-Butyl Ether	ND		ug/kg	58.7	8260/5035	3/6/09	TEH	3/6/09 17:58	TEH	A
Naphthalene	ND		ug/kg	117	8260/5035	3/6/09	TEH	3/6/09 17:58	TEH	A
Toluene	ND		ug/kg	58.7	8260/5035	3/6/09	TEH	3/6/09 17:58	TEH	A
1,2,4-Trimethylbenzene	ND		ug/kg	58.7	8260/5035	3/6/09	TEH	3/6/09 17:58	TEH	A
1,3,5-Trimethylbenzene	ND		ug/kg	58.7	8260/5035	3/6/09	TEH	3/6/09 17:58	TEH	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	80.3		%	71-146	8260/5035	3/6/09	TEH	3/6/09 17:58	TEH	A
4-Bromofluorobenzene (S)	75.3		%	46-138	8260/5035	3/6/09	TEH	3/6/09 17:58	TEH	A
Dibromofluoromethane (S)	86.3		%	42-143	8260/5035	3/6/09	TEH	3/6/09 17:58	TEH	A
Toluene-d8 (S)	102		%	54-141	8260/5035	3/6/09	TEH	3/6/09 17:58	TEH	A
WET CHEMISTRY										
Moisture	21.6		%	0.1	SM20-2540 G			3/6/09 09:45	JEP	A
Total Solids	78.4		%	0.1	SM20-2540 G			3/6/09 09:45	JEP	A

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9778456 NWT-YORK (03/05/09)

Lab ID: **9778456002** Date Collected: 3/5/2009 15:06 Matrix: Solid
Sample ID: **BC-UST-S2[8']** Date Received: 3/5/2009 17:05

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/kg	54.6	8260/5035	3/6/09	TEH	3/6/09 18:25	TEH	A
Ethylbenzene	ND		ug/kg	54.6	8260/5035	3/6/09	TEH	3/6/09 18:25	TEH	A
Isopropylbenzene	ND		ug/kg	54.6	8260/5035	3/6/09	TEH	3/6/09 18:25	TEH	A
Methyl t-Butyl Ether	ND		ug/kg	54.6	8260/5035	3/6/09	TEH	3/6/09 18:25	TEH	A
Naphthalene	ND		ug/kg	109	8260/5035	3/6/09	TEH	3/6/09 18:25	TEH	A
Toluene	ND		ug/kg	54.6	8260/5035	3/6/09	TEH	3/6/09 18:25	TEH	A
1,2,4-Trimethylbenzene	ND		ug/kg	54.6	8260/5035	3/6/09	TEH	3/6/09 18:25	TEH	A
1,3,5-Trimethylbenzene	ND		ug/kg	54.6	8260/5035	3/6/09	TEH	3/6/09 18:25	TEH	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	86.5		%	71-146	8260/5035	3/6/09	TEH	3/6/09 18:25	TEH	A
4-Bromofluorobenzene (S)	73.3		%	46-138	8260/5035	3/6/09	TEH	3/6/09 18:25	TEH	A
Dibromofluoromethane (S)	90.1		%	42-143	8260/5035	3/6/09	TEH	3/6/09 18:25	TEH	A
Toluene-d8 (S)	105		%	54-141	8260/5035	3/6/09	TEH	3/6/09 18:25	TEH	A
WET CHEMISTRY										
Moisture	17.5		%	0.1	SM20-2540 G			3/6/09 09:45	JEP	A
Total Solids	82.5		%	0.1	SM20-2540 G			3/6/09 09:45	JEP	A

Sample Comments:

Anna G Milliken
Laboratory Manager

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Page ___ of ___
Courier:
Tracking #:

Co. Name: ARM Group
Contact (Report to): D Butterbaugh/S Fulton
Address: Hershey PA
Phone:

Bill to (if different than Report to):
PO#:

Project Name/#: NWT York/07214
ALSI Quote #:

TAT: [X] Normal-Standard TAT is 10-12 business days. [X] Rush-Subject to ALSI approval and surcharges.
Date Required: 03/11/09
Approved By:

Email? [X] -Y dbuterbaugh@armgroup.net
Fax? [ ] -Y No.: sfulton@armgroup.net

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Heating 0.1
1	BC-UST-S1(8')		3/5/09	1504	G	S	1
2	BC-UST-S2(8')		↓	1506	G	S	1
3							
4							
5							
6							
7							
8							

Enter Number of Containers Per Analysis

	Sample Description/Location	Sample Date	Military Time	*G or C	**Matrix	Heating 0.1
1	BC-UST-S1(8')	3/5/09	1504	G	S	1
2	BC-UST-S2(8')	↓	1506	G	S	1

Receipt Information (completed by Sample Receiving)
Performed by: [signature]
Cooler Temp: 6°
Therm. ID: 51023559
No. of Coolers:
Notes:

Sample Description/Location	Custody seals Present?	(If present) Seals intact?	Received on ice?	COC/Labels complete/accurate?	Container in good condition?	Circle appropriate Y or N.
BC-UST-S1(8')	Y	Y	Y	Y	Y	
BC-UST-S2(8')	Y	Y	Y	Y	Y	

SAMPLED BY (Please Print): D Butterbaugh
LOGGED BY (signature): [signature] DATE 3/5 TIME 1824
REVIEWED BY (signature): [signature] DATE 03/06/09 TIME 1451

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	[signature]	3/5/09	1705	2	[signature] ALSI	3/5/09	1705
3				4			
5				6			
7				8			
9				10			

Data Deliverables: Standard; CLP-like; NJ-Reduced; NJ-Full; EDDs Required? If yes, format type: Other
SOWA Forms? yes / yes / yes / yes
State Samples Collected In? MD / NJ / NY / PA
Enter PWS ID No.
DOD Criteria Required?

ALSI FIELD SERVICES: Pickup; Labor; Composite Sampling; Rental Equipment; Other:

* G=Grab; C=Composite
**Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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Certificate of Analysis

Project Name:	**NWT York/07214**	Workorder:	**9710084**
Purchase Order:	**07214**	Workorder ID:	**NWT/07214**

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

November 7, 2007

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Saturday, November 03, 2007

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Raymond J Martrano (Laboratory Manager) at (717) 944-5541.

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Analytical Laboratory Services, Inc.

Raymond J. Martrano
Laboratory Manager

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

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SAMPLE SUMMARY

Workorder: 9710084 NWT/07214 Discard Date: 11/21/2007

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9710084001	C-SS11(6)	Solid	11/2/07 11:50	11/3/07 12:10	Dan Buterbaugh
9710084002	C-SS12 (6)	Solid	11/2/07 12:54	11/3/07 12:10	Dan Buterbaugh
9710084003	C-SS11 (16)	Solid	11/2/07 12:30	11/3/07 12:10	Dan Buterbaugh
9710084004	C-SS12 (19)	Solid	11/2/07 13:30	11/3/07 12:10	Dan Buterbaugh
9710084005	C-SS13 (6)	Solid	11/2/07 13:40	11/3/07 12:10	Dan Buterbaugh
9710084006	C-SS13 (18)	Solid	11/2/07 14:03	11/3/07 12:10	Dan Buterbaugh
9710084007	C-SS14 (6)	Solid	11/2/07 14:10	11/3/07 12:10	Dan Buterbaugh
9710084008	C-SS14 (16)	Solid	11/2/07 14:30	11/3/07 12:10	Dan Buterbaugh

Workorder Comments:

Notes

- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Both flags indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9710084 NWT/07214

Lab ID: **9710084001** Date Collected: 11/2/2007 11:50 Matrix: Solid

Sample ID: **C-SS11(6)** Date Received: 11/3/2007 12:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	22.0		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
Total Solids	78.0		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
METALS											
Lead, Total	273		mg/kg	2	SW846 6010B	11/6/07	MNP	11/7/07 15:00	TED	A1	

Sample Comments:

EPA Methods require samples to be transported at 4 degrees centigrade. The temperature of this sample was 8 degrees centigrade when received.

Raymond J. Martrano
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9710084 NWT/07214

Lab ID: **9710084002** Date Collected: 11/2/2007 12:54 Matrix: Solid

Sample ID: **C-SS12 (6)** Date Received: 11/3/2007 12:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	18.1		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
Total Solids	81.9		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
METALS											
Lead, Total	79		mg/kg	2	SW846 6010B	11/6/07	MNP	11/7/07 15:15	TED	A1	

Sample Comments:

EPA Methods require samples to be transported at 4 degrees centigrade. The temperature of this sample was 8 degrees centigrade when received.

Raymond J. Martrano
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9710084 NWT/07214

Lab ID: **9710084003** Date Collected: 11/2/2007 12:30 Matrix: Solid

Sample ID: **C-SS11 (16)** Date Received: 11/3/2007 12:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	14.6		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
Total Solids	85.4		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
METALS											
Lead, Total	169		mg/kg	2	SW846 6010B	11/6/07	MNP	11/7/07 15:20	TED	A1	

Sample Comments:

EPA Methods require samples to be transported at 4 degrees centigrade. The temperature of this sample was 8 degrees centigrade when received.

Raymond J. Martrano
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9710084 NWT/07214

Lab ID: **9710084004** Date Collected: 11/2/2007 13:30 Matrix: Solid

Sample ID: **C-SS12 (19)** Date Received: 11/3/2007 12:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	22.5		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
Total Solids	77.5		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
METALS											
Lead, Total	247		mg/kg	2	SW846 6010B	11/6/07	MNP	11/7/07 15:24	TED	A1	

Sample Comments:

EPA Methods require samples to be transported at 4 degrees centigrade. The temperature of this sample was 8 degrees centigrade when received.

Raymond J. Martrano
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9710084 NWT/07214

Lab ID: **9710084005** Date Collected: 11/2/2007 13:40 Matrix: Solid

Sample ID: **C-SS13 (6)** Date Received: 11/3/2007 12:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	16.2		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
Total Solids	83.8		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
METALS											
Lead, Total	130		mg/kg	1	SW846 6010B	11/6/07	MNP	11/7/07 15:29	TED	A1	

Sample Comments:

EPA Methods require samples to be transported at 4 degrees centigrade. The temperature of this sample was 8 degrees centigrade when received.

Raymond J. Martrano
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9710084 NWT/07214

Lab ID: **9710084006** Date Collected: 11/2/2007 14:03 Matrix: Solid
Sample ID: **C-SS13 (18)** Date Received: 11/3/2007 12:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	19.9		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
Total Solids	80.1		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
METALS											
Lead, Total	309		mg/kg	2	SW846 6010B	11/6/07	MNP	11/7/07 15:33	TED	A1	

Sample Comments:

EPA Methods require samples to be transported at 4 degrees centigrade. The temperature of this sample was 8 degrees centigrade when received.

Raymond J. Martrano
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9710084 NWT/07214

Lab ID: **9710084007** Date Collected: 11/2/2007 14:10 Matrix: Solid

Sample ID: **C-SS14 (6)** Date Received: 11/3/2007 12:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	16.7		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
Total Solids	83.3		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
METALS											
Lead, Total	460		mg/kg	2	SW846 6010B	11/6/07	MNP	11/7/07 15:38	TED	A1	

Sample Comments:

EPA Methods require samples to be transported at 4 degrees centigrade. The temperature of this sample was 8 degrees centigrade when received.

Raymond J. Martrano
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9710084 NWT/07214

Lab ID: **9710084008** Date Collected: 11/2/2007 14:30 Matrix: Solid
Sample ID: **C-SS14 (16)** Date Received: 11/3/2007 12:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	20.4		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
Total Solids	79.6		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
METALS											
Lead, Total	295		mg/kg	1	SW846 6010B	11/6/07	MNP	11/7/07 15:42	TED	A1	

Sample Comments:

EPA Methods require samples to be transported at 4 degrees centigrade. The temperature of this sample was 8 degrees centigrade when received.

Raymond J. Martrano
Laboratory Manager

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

4

Page ___ of ___
Courier:
Tracking #:

Co. Name: ARM Group
Contact (Report to): Dan Buterbaugh
Phone:
Address: 1129 W Governor Rd Hershey PA

Bill to (if different than Report to):
PO#:

Project Name/#: 07214
ALSI Quote #:

TAT: [ ] Normal-Standard TAT is 10-12 business days. [X] Rush-Subject to ALSI approval and surcharges.
Date Required: 11/7/07
Approved By:

Email? [X] -Y dbuterbaugh@armgroup.net
Fax? [ ] -Y No.:

***Container Type	G
***Container Size	4-8
***Preservative	—

ANALYSES/METHOD REQUESTED: lead

Receipt Information (completed by Sample Receiving)
Performed by: INITIAL HERE
Cooler Temp: 8
Therm. ID: 9102559
No. of Coolers:
Notes:

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Enter Number of Containers Per Analysis	Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Circle appropriate Y or N.
1	C-SS 11 (6")		11/2/07	1150	G	S	1	Y	Y	Y	Y	
2	C-SS 12 (6")			1230	G	S	1	N	N	Y	N	
3	C-SS 11 (16")	Jar description is ~~CSS 11~~ (24") DES 1115 JCK		1230	G	S	1	Y	Y	Y	Y	
4	C-SS 12 (19")			1330	G	S	1					
5	C-SS 13 (6")			1340	G	S	1					
6	C-SS 13 (18")			1403	G	S	1					
7	C-SS 14 (6")			1410	G	S	1					
8	C-SS 14 (16")			1430	G	S	1					

(-3) depth is (16") and time is 1230 per Dan Buterbaugh. JCK 11/7/07.

Custody seals Present? (if present) Seals intact? Received on ice? COC/Labels complete/accurate? Container in good condition?

SAMPLED BY (Please Print): Dan Buterbaugh
LOGGED BY (signature): [signature] DATE 11/7/07 #027
REVIEWED BY (signature): J. Kester DATE 11/7/07 #826

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 [signature]	11/2/07	1210	2 [signature]	11/5/07	1210
3			4		
5			6		
7			8		
9			10		

Data Deliverables: [X] Standard; [ ] CLP-like; [ ] NJ-Reduced; [ ] NJ-Full; [ ] ___ other
Edits Required? [ ] If yes, format type:
DOD Criteria Required?

SDWA Forms? yes [ ] yes [ ] yes [ ] yes [ ]
State Samples Collected In? MD [ ] NJ [ ] NY [ ] PA [ ]
Other:

ALSI FIELD SERVICES: [ ] Pickup; [ ] Labor; [ ] Composite Sampling; [ ] Rental Equipment; [ ] Other:

* G=Grab; C=Composite **Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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Certificate of Analysis

Project Name:	NWT York/07214	Workorder:	9710083
Purchase Order:	07214	Workorder ID:	NWT/07214

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

November 7, 2007

Dear Mr. Buterbaugh,

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Raymond J. Martrano
Laboratory Manager

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SAMPLE SUMMARY

Workorder: 9710083 NWT/07214

Discard Date: 11/21/2007

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9710083001	4301-SS5 (6)	Solid	11/2/07 15:00	11/3/07 12:10	Dan Buterbaugh
9710083002	4301-SS6 (6)	Solid	11/2/07 15:15	11/3/07 12:10	Dan Buterbaugh
9710083003	4301-SS7 (6)	Solid	11/2/07 15:35	11/3/07 12:10	Dan Buterbaugh
9710083004	4301-SS8 (6)	Solid	11/2/07 15:40	11/3/07 12:10	Dan Buterbaugh
9710083005	4301-SS9 (16)	Solid	11/2/07 16:25	11/3/07 12:10	Dan Buterbaugh
9710083006	4301-SS10 (13)	Solid	11/2/07 17:37	11/3/07 12:10	Dan Buterbaugh
9710083007	4301-SS11 (18)	Solid	11/2/07 18:09	11/3/07 12:10	Dan Buterbaugh
9710083008	4301-SS12 (20)	Solid	11/2/07 18:30	11/3/07 12:10	Dan Buterbaugh

Workorder Comments:

Notes

- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
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MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9710083 NWT/07214

Lab ID: **9710083001** Date Collected: 11/2/2007 15:00 Matrix: Solid
Sample ID: **4301-SS5 (6)** Date Received: 11/3/2007 12:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	14.1		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
Total Solids	85.9		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
METALS											
Arsenic, Total	68	1	mg/kg	2	SW846 6010B	11/6/07	MNP	11/7/07 15:47	TED	A1	
Chromium, Total	135	2	mg/kg	0.8	SW846 6010B	11/6/07	MNP	11/7/07 15:47	TED	A1	

Sample Comments:

EPA Methods require samples to be transported at 4 degrees centigrade. The temperature of this sample was 8 degrees centigrade when received.

Raymond J. Martrano
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9710083 NWT/07214

Lab ID: **9710083002** Date Collected: 11/2/2007 15:15 Matrix: Solid

Sample ID: **4301-SS6 (6)** Date Received: 11/3/2007 12:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	10.9		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
Total Solids	89.1		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
METALS											
Arsenic, Total	56		mg/kg	2	SW846 6010B	11/6/07	MNP	11/7/07 14:29	TED	A1	
Chromium, Total	212		mg/kg	1	SW846 6010B	11/6/07	MNP	11/7/07 14:29	TED	A1	

Sample Comments:

EPA Methods require samples to be transported at 4 degrees centigrade. The temperature of this sample was 8 degrees centigrade when received.

Raymond J. Martrano
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9710083 NWT/07214

Lab ID: **9710083003** Date Collected: 11/2/2007 15:35 Matrix: Solid

Sample ID: **4301-SS7 (6)** Date Received: 11/3/2007 12:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	9.2		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
Total Solids	90.8		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
METALS											
Arsenic, Total	ND	3	mg/kg	83	SW846 6010B	11/6/07	MNP	11/7/07 16:28	TED	A1	
Chromium, Total	968	3	mg/kg	33.4	SW846 6010B	11/6/07	MNP	11/7/07 16:28	TED	A1	

Sample Comments:

EPA Methods require samples to be transported at 4 degrees centigrade. The temperature of this sample was 8 degrees centigrade when received.

Raymond J. Martrano
Laboratory Manager

ANALYTICAL LABORATORY SERVICES, INC.
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ANALYTICAL RESULTS

Workorder: 9710083 NWT/07214

Lab ID: **9710083004** Date Collected: 11/2/2007 15:40 Matrix: Solid

Sample ID: **4301-SS8 (6)** Date Received: 11/3/2007 12:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	14.5		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
Total Solids	85.5		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
METALS											
Arsenic, Total	5		mg/kg	2	SW846 6010B	11/6/07	MNP	11/7/07 14:38	TED	A1	
Chromium, Total	303		mg/kg	0.9	SW846 6010B	11/6/07	MNP	11/7/07 14:38	TED	A1	

Sample Comments:

EPA Methods require samples to be transported at 4 degrees centigrade. The temperature of this sample was 8 degrees centigrade when received.

Raymond J. Martrano
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9710083 NWT/07214

Lab ID: **9710083005** Date Collected: 11/2/2007 16:25 Matrix: Solid
Sample ID: **4301-SS9 (16)** Date Received: 11/3/2007 12:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	11.2		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
Total Solids	88.8		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
METALS											
Arsenic, Total	7		mg/kg	2	SW846 6010B	11/6/07	MNP	11/7/07 14:42	TED	A1	
Chromium, Total	172		mg/kg	0.8	SW846 6010B	11/6/07	MNP	11/7/07 14:42	TED	A1	

Sample Comments:

EPA Methods require samples to be transported at 4 degrees centigrade. The temperature of this sample was 8 degrees centigrade when received.

Raymond J. Martrano
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9710083 NWT/07214

Lab ID: **9710083006** Date Collected: 11/2/2007 17:37 Matrix: Solid

Sample ID: **4301-SS10 (13)** Date Received: 11/3/2007 12:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	14.0		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
Total Solids	86.0		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
METALS											
Arsenic, Total	23		mg/kg	2	SW846 6010B	11/6/07	MNP	11/7/07 14:47	TED	A1	
Chromium, Total	38.9		mg/kg	0.9	SW846 6010B	11/6/07	MNP	11/7/07 14:47	TED	A1	

Sample Comments:

EPA Methods require samples to be transported at 4 degrees centigrade. The temperature of this sample was 8 degrees centigrade when received.

Raymond J. Martrano
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9710083 NWT/07214

Lab ID: **9710083007** Date Collected: 11/2/2007 18:09 Matrix: Solid
Sample ID: **4301-SS11 (18)** Date Received: 11/3/2007 12:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	15.9		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
Total Solids	84.1		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
METALS											
Arsenic, Total	49		mg/kg	2	SW846 6010B	11/6/07	MNP	11/7/07 14:51	TED	A1	
Chromium, Total	25.2		mg/kg	0.9	SW846 6010B	11/6/07	MNP	11/7/07 14:51	TED	A1	

Sample Comments:

EPA Methods require samples to be transported at 4 degrees centigrade. The temperature of this sample was 8 degrees centigrade when received.

Raymond J. Martrano
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9710083 NWT/07214

Lab ID: **9710083008** Date Collected: 11/2/2007 18:30 Matrix: Solid

Sample ID: **4301-SS12 (20)** Date Received: 11/3/2007 12:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	15.6		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
Total Solids	84.4		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
METALS											
Arsenic, Total	12		mg/kg	2	SW846 6010B	11/6/07	MNP	11/7/07 14:56	TED	A1	
Chromium, Total	19.1		mg/kg	0.7	SW846 6010B	11/6/07	MNP	11/7/07 14:56	TED	A1	

Sample Comments:

EPA Methods require samples to be transported at 4 degrees centigrade. The temperature of this sample was 8 degrees centigrade when received.

Raymond J. Martrano
Laboratory Manager

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ANALYTICAL RESULTS QUALIFIERS\FLAGS

Workorder: 9710083 NWT/07214

PARAMETER QUALIFIERS\FLAGS

[1] The recovery of the Matrix Spike (MS) associated to this analyte was outside of the established control limits. The sample was post-digestion spiked, and this matrix spike was within acceptable recovery limits.

[2] One of the two matrix spike analyses performed on this sample failed to meet acceptable recovery limits. The other matrix spike was within acceptable recovery limits. Matrix interferences are the possible cause for the failure.

[3] The sample dilution of 1/50 was made due to the high concentration of Manganese in the sample. The detection limits were raised accordingly. 11/07/07 TED

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page ___ of ___
Courier:
Tracking #:

9710083

Co. Name: ARM Group
Contact (Report to): Dan Butterbaugh
Phone:
Address: 1129 W Governor Rd Hershey PA

Bill to (if different than Report to):
PO#: 07214

Project Name/#: 07214
ALSI Quote #:

TAT: [ ] Normal-Standard TAT is 10-12 business days. [X] Rush-Subject to ALSI approval and surcharges.
Date Required: 11/7/07
Approved By:

Email? [X] -Y dbutterbaugh@armgroup.net
Fax? -Y No.:

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Arsenic	Chromium
1	4301-SS 5 (6")		11/2/07	1506	G	S	1	1
2	4301-SS 6 (6")			1515			1	1
3	4301-SS 7 (6")			1535			1	1
4	4301-SS 8 (6")			1540			1	1
5	4301-SS 9 (16")			1625			1	1
6	4301-SS 10 (13")			1737			1	1
7	4301-SS 11 (18")			1809			1	1
8	4301-SS 12 (20")			1830			1	1

***Container Type: G
***Container Size: 8oz
Preservative: —

ANALYSES/METHOD REQUESTED — Enter Number of Containers Per Analysis

SAMPLED BY (Please Print): Dan Butterbaugh
LOGGED BY (signature): DATE 11/5/07 TIME 1015
REVIEWED BY (signature): J. Boston DATE 11/6/07 TIME 1506

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	11/3/07	1210	2 Dana Pinti	11/3/07	1210
3			4		
5			6		
7			8		
9			10		

Data Deliverables: [X] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] ___
EDDs Required? [ ] If yes, format type:
SDWA Forms? yes [ ] yes [ ] yes [ ] yes [ ]
State Samples Delivered In? NJ [ ] NY [ ] PA [ ] Other
DOD Criteria Required?

Receipt Information (completed in Sample Receiving)
Performed by: INITIALS
Cooler Temp: 8
Therm. ID: S102459
No. of Coolers:
Notes: Original pH was did not ask for Cr. Left message with Dan Butterbaugh present. Original pH was 5 DES 5 DES 11/6/07

Circle appropriate Y or N.	Headspace/Volatiles?	Correct preservation?	Correct sample volume?	Correct containers?
Y	Y	Y	Y	N
Y	Y	Y	Y	N
Y	Y	Y	Y	N
Y	Y	Y	Y	N
Container in good condition?	COC/Labels complete/accurate?	Received on Ice?	(If present) Seals intact?	Custody seals Present?
N	N	Y	Y	N
N	N	Y	Y	N
N	N	Y	Y	N

ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other

* G=Grab; C=Composite
**Matrix: Air=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass; PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY

Rev 5/07

As RDL ≤ 12 ppm

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Certificate of Analysis

Project Name:	**NWT York/07214**	Workorder:	**9710086**
Purchase Order:	**07214**	Workorder ID:	**NWT/07214**

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

November 7, 2007

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Saturday, November 03, 2007

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Raymond J Martrano (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAC accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

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NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Raymond J. Martrano
Laboratory Manager

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SAMPLE SUMMARY

Workorder: 9710086 NWT/07214

Discard Date: 11/21/2007

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9710086001	43-02-SS4 (6)	Solid	11/2/07 16:50	11/3/07 12:10	Dan Buterbaugh
9710086002	43-02-SS5 (6)	Solid	11/2/07 17:02	11/3/07 12:10	Dan Buterbaugh

Workorder Comments:

Notes

- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Both flags indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9710086 NWT/07214

Lab ID: **9710086001** Date Collected: 11/2/2007 16:50 Matrix: Solid

Sample ID: **43-02-SS4 (6)** Date Received: 11/3/2007 12:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	4.3		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
Total Solids	95.7		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
METALS											
Arsenic, Total	4		mg/kg	2	SW846 6010B	11/7/07	SRT	11/7/07 13:05	TED	A1	

Sample Comments:

EPA Methods require samples to be transported at 4 degrees centigrade. The temperature of this sample was 8 degrees centigrade when received.

Raymond J. Martrano
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9710086 NWT/07214

Lab ID: **9710086002** Date Collected: 11/2/2007 17:02 Matrix: Solid

Sample ID: **43-02-SS5 (6)** Date Received: 11/3/2007 12:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	3.9		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
Total Solids	96.1		%	0.1	SM20-2540 G			11/5/07 16:08	PAG	A	
METALS											
Arsenic, Total	3		mg/kg	2	SW846 6010B	11/7/07	SRT	11/7/07 14:05	TED	A1	

Sample Comments:

EPA Methods require samples to be transported at 4 degrees centigrade. The temperature of this sample was 8 degrees centigrade when received.

Raymond J. Martrano
Laboratory Manager

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5

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

9710086

of

Client Name: ARM Group
Address: PO Box 797
1129 W Governor Rd Hershey PA
Contact: Dan Buterbaugh
Phone#: 717-533-8600
Project Name/#: NWT York / 07214
Bill To:

TAT: [ ] Normal-Standard TAT is 10-12 business days. [X] Rush-Subject to ALSI approval and surcharges.
Date Required: 11/7/07 Approved By:
Email? [X] -Y dbuterbaugh@armgroup.net
Fax? [ ] -Y No.:

ANALYSES/METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	Sample Date	Military Time	*G or C	**Matrix	Arsenic									
						Enter Number of Containers Per Analysis Requested or Field Results Below.									
1	43-02-SS4(6")	11/2/07	1650	G	S	1									
2	43-02-SS5(6")	↓	1702	G	S	1									
3															
4															
5															
6															
7															
8															
9															
10															

**Container Type / **Container Size / Preservative

Receipt Information (completed by Receiving Lab)
Cooler Temp: 8 Therm. ID: S1023559
No. of Coolers:

	Y	N	Initial
Custody Seals Present?			
(If present) Seals Intact?			
Received on Ice?			
COC/Labels Complete/Accurate?			
Cont. in Good Cond.?			
Correct Containers?			
Correct Sample Volumes?			
Correct Preservation?			
Headspace/Volatiles?			

Courier/Tracking #:

Sample/COC Comments

SAMPLED BY (Please Print): Dan Buterbaugh

LOGGED BY(signature): DATE 11/5/07 TIME 1030
REVIEWED BY(signature): J. Kester DATE 11/6/07 TIME 521

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	11/3/07	1210	2 Quo Vadis	11/3/07	12:10
3			4		
5			6		
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] other
EDDs Required? [ ] If yes, format type:
DOD Criteria Required?

State Samples Collected In: NC, NJ, NY, PA ✓ Other PWSID
SDWA Forms Required? yes
ALSI Field Services: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Enviromental [ ] Other:

*G=Grab; C=Composite **Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
Copies: WHITE-ORIGINAL CANARY-CUSTOMER COPY ***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.
Rev 5/06

need RDL ≤ 12 ppm

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Certificate of Analysis

Project Name:	**NWT York/07214**	Workorder:	**9710002**
Purchase Order:	**07214**	Workorder ID:	**NWT/07214**

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

November 9, 2007

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Friday, November 02, 2007

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Raymond J Martrano (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAC accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

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Analytical Laboratory Services, Inc.

Raymond J. Martrano
Laboratory Manager

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

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SAMPLE SUMMARY

Workorder: 9710002 NWT/07214 Discard Date: 11/23/2007

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9710002001	WADB-5 (7.5)	Solid	11/1/07 12:30	11/2/07 19:00	Steve Fulton
9710002002	WADB-5 (11)	Solid	11/1/07 12:45	11/2/07 19:00	Steve Fulton
9710002003	E-SS5 (4)	Solid	11/1/07 14:45	11/2/07 19:00	Steve Fulton
9710002004	E-SS8 (4)	Solid	11/1/07 15:24	11/2/07 19:00	Steve Fulton
9710002005	E-SS9 (4)	Solid	11/1/07 15:30	11/2/07 19:00	Steve Fulton
9710002006	E-SS10 (4)	Solid	11/1/07 15:55	11/2/07 19:00	Steve Fulton

Workorder Comments:

Notes

- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Both flags indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9710002 NWT/07214

Lab ID: **9710002001** Date Collected: 11/1/2007 12:30 Matrix: Solid

Sample ID: **WADB-5 (7.5)** Date Received: 11/2/2007 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
VOLATILE ORGANICS											
Acetone	ND		ug/kg	488	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Acetonitrile	ND		ug/kg	976	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Acrolein	ND		ug/kg	1220	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Acrylonitrile	ND		ug/kg	244	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
tert-Amyl methyl ether	ND		ug/kg	97.6	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
tert-Amyl Alcohol	ND		ug/kg	244	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
tert-Amyl Ethylether	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Benzene	2580		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Benzyl Chloride	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Bromobenzene	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Bromochloromethane	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Bromodichloromethane	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Bromoform	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Bromomethane	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
2-Butanone	ND		ug/kg	488	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
tert.- Butyl Alcohol	ND		ug/kg	488	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
n-Butylbenzene	526		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
tert-Butylbenzene	ND		ug/kg	97.6	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
sec-Butylbenzene	443		ug/kg	97.6	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Carbon Disulfide	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Carbon Tetrachloride	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Chlorobenzene	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Chlorodibromomethane	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Chloroethane	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
2-Chloroethylvinyl ether	ND		ug/kg	146	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Chloroform	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
1-Chlorohexane	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Chloromethane	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Chloroprene	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
3-Chloro-1-propene	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
o-Chlorotoluene	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
p-Chlorotoluene	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Cyclohexane	74.8		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
1,2-Dibromo-3-chloropropane	ND		ug/kg	342	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
1,2-Dibromoethane	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Dibromomethane	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
trans-1,4-Dichloro-2-butene	ND		ug/kg	97.6	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
1,2-Dichlorobenzene	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
1,3-Dichlorobenzene	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
1,4-Dichlorobenzene	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Dichlorodifluoromethane	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
1,1-Dichloroethane	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
1,2-Dichloroethane	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
1,1-Dichloroethene	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
1,2-Dichloroethene, Total	ND		ug/kg	97.6	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		

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ANALYTICAL RESULTS

Workorder: 9710002 NWT/07214

Lab ID: **9710002001** Date Collected: 11/1/2007 12:30 Matrix: Solid

Sample ID: **WADB-5 (7.5)** Date Received: 11/2/2007 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
cis-1,2-Dichloroethene	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
trans-1,2-Dichloroethene	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Dichlorofluoromethane	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
1,3-Dichloropropane	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
2,2-Dichloropropane	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
1,2-Dichloropropane	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
1,1-Dichloropropene	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
cis-1,3-Dichloropropene	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
trans-1,3-Dichloropropene	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
1,3-Dichloropropene, Total	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Diisobutylene	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Diisopropyl ether	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
1,4-Dioxane	ND		ug/kg	15600	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Ethyl Ether	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Ethyl Methacrylate	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Ethyl Acetate	ND		ug/kg	97.6	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Ethyl tert-butyl ether	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Ethylbenzene	655		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Freon 113	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Heptane	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Hexachlorobutadiene	ND		ug/kg	244	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Hexachloroethane	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Hexane	607		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
2-Hexanone	ND		ug/kg	244	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Iodomethane	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Isobutyl alcohol	ND		ug/kg	3660	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Isopropyl Alcohol	ND		ug/kg	1220	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Isopropylbenzene	69.0		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
p-Isopropyltoluene	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Methacrylonitrile	ND		ug/kg	97.6	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Methyl methacrylate	ND		ug/kg	146	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Methyl acetate	ND		ug/kg	97.6	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Methyl cyclohexane	418		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Methyl t-Butyl Ether	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	244	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Methylene Chloride	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Naphthalene	ND		ug/kg	97.6	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Nitrobenzene	ND		ug/kg	4880	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
2-Nitropropane	ND		ug/kg	244	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Octane	393		ug/kg	146	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Pentane	585		ug/kg	97.6	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
n-Propanol	ND		ug/kg	29300	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Propionitrile	ND		ug/kg	488	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
n-Propylbenzene	212		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Styrene	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
1,1,1,2-Tetrachloroethane	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		

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ANALYTICAL RESULTS

Workorder: 9710002 NWT/07214

Lab ID: **9710002001** Date Collected: 11/1/2007 12:30 Matrix: Solid

Sample ID: **WADB-5 (7.5)** Date Received: 11/2/2007 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
1,1,2,2-Tetrachloroethane	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Tetrachloroethene	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Tetrahydrofuran	ND		ug/kg	244	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Toluene	1980		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Total Xylenes	1470		ug/kg	146	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
1,2,3-Trichlorobenzene	ND		ug/kg	97.6	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
1,2,4-Trichlorobenzene	ND		ug/kg	97.6	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
1,1,1-Trichloroethane	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
1,1,2-Trichloroethane	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Trichloroethene	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Trichlorofluoromethane	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
1,2,3-Trichloropropane	ND		ug/kg	97.6	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
1,2,4-Trimethylbenzene	642		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
1,3,5-Trimethylbenzene	106		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Vinyl Acetate	ND		ug/kg	244	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Vinyl Chloride	ND		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
o-Xylene	245		ug/kg	48.8	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
mp-Xylene	1220		ug/kg	97.6	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*	*RegLmt*
1,2-Dichloroethane-d4 (S)	97		%	71-146	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
4-Bromofluorobenzene (S)	88		%	46-138	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Dibromofluoromethane (S)	96		%	42-143	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
Toluene-d8 (S)	98		%	54-141	8260/5035	11/2/07	JHD	11/6/07 22:28	DXN		
WET CHEMISTRY											
Moisture	12.5		%	0.1	SM20-2540 G			11/3/07 06:30	MBW	D	
Total Solids	87.5		%	0.1	SM20-2540 G			11/3/07 06:30	MBW	D	

Sample Comments:

The GCMS volatiles analysis was performed at a dilution due to the level of target compounds.

Raymond J. Martrano
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9710002 NWT/07214

Lab ID: **9710002002** Date Collected: 11/1/2007 12:45 Matrix: Solid

Sample ID: **WADB-5 (11)** Date Received: 11/2/2007 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
VOLATILE ORGANICS											
Acetone	ND		ug/kg	518	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Acetonitrile	ND		ug/kg	1040	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Acrolein	ND		ug/kg	1300	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Acrylonitrile	ND		ug/kg	259	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
tert-Amyl methyl ether	ND		ug/kg	104	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
tert-Amyl Alcohol	ND		ug/kg	259	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
tert-Amyl Ethylether	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Benzene	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Benzyl Chloride	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Bromobenzene	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Bromochloromethane	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Bromodichloromethane	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Bromoform	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Bromomethane	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
2-Butanone	ND		ug/kg	518	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
tert.- Butyl Alcohol	ND		ug/kg	518	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
n-Butylbenzene	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
tert-Butylbenzene	ND		ug/kg	104	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
sec-Butylbenzene	185		ug/kg	104	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Carbon Disulfide	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Carbon Tetrachloride	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Chlorobenzene	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Chlorodibromomethane	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Chloroethane	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
2-Chloroethylvinyl ether	ND		ug/kg	155	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Chloroform	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
1-Chlorohexane	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Chloromethane	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Chloroprene	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
3-Chloro-1-propene	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
o-Chlorotoluene	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
p-Chlorotoluene	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Cyclohexane	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
1,2-Dibromo-3-chloropropane	ND		ug/kg	363	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
1,2-Dibromoethane	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Dibromomethane	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
trans-1,4-Dichloro-2-butene	ND		ug/kg	104	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
1,2-Dichlorobenzene	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
1,3-Dichlorobenzene	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
1,4-Dichlorobenzene	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Dichlorodifluoromethane	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
1,1-Dichloroethane	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
1,2-Dichloroethane	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
1,1-Dichloroethene	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
1,2-Dichloroethene, Total	ND		ug/kg	104	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		

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ANALYTICAL RESULTS

Workorder: 9710002 NWT/07214

Lab ID: **9710002002** Date Collected: 11/1/2007 12:45 Matrix: Solid

Sample ID: **WADB-5 (11)** Date Received: 11/2/2007 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
cis-1,2-Dichloroethene	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
trans-1,2-Dichloroethene	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Dichlorofluoromethane	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
1,3-Dichloropropane	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
2,2-Dichloropropane	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
1,2-Dichloropropane	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
1,1-Dichloropropene	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
cis-1,3-Dichloropropene	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
trans-1,3-Dichloropropene	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
1,3-Dichloropropene, Total	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Diisobutylene	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Diisopropyl ether	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
1,4-Dioxane	ND		ug/kg	16600	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Ethyl Ether	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Ethyl Methacrylate	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Ethyl Acetate	ND		ug/kg	104	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Ethyl tert-butyl ether	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Ethylbenzene	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Freon 113	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Heptane	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Hexachlorobutadiene	ND		ug/kg	259	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Hexachloroethane	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Hexane	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
2-Hexanone	ND		ug/kg	259	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Iodomethane	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Isobutyl alcohol	ND		ug/kg	3890	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Isopropyl Alcohol	ND		ug/kg	1300	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Isopropylbenzene	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
p-Isopropyltoluene	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Methacrylonitrile	ND		ug/kg	104	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Methyl methacrylate	ND		ug/kg	155	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Methyl acetate	ND		ug/kg	104	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Methyl cyclohexane	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Methyl t-Butyl Ether	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	259	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Methylene Chloride	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Naphthalene	ND		ug/kg	104	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Nitrobenzene	ND		ug/kg	5180	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
2-Nitropropane	ND		ug/kg	259	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Octane	ND		ug/kg	155	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Pentane	ND		ug/kg	104	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
n-Propanol	ND		ug/kg	31100	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Propionitrile	ND		ug/kg	518	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
n-Propylbenzene	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Styrene	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
1,1,1,2-Tetrachloroethane	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		

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ANALYTICAL RESULTS

Workorder: 9710002 NWT/07214

Lab ID: **9710002002** Date Collected: 11/1/2007 12:45 Matrix: Solid

Sample ID: **WADB-5 (11)** Date Received: 11/2/2007 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
1,1,2,2-Tetrachloroethane	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Tetrachloroethene	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Tetrahydrofuran	ND		ug/kg	259	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Toluene	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Total Xylenes	ND		ug/kg	155	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
1,2,3-Trichlorobenzene	ND		ug/kg	104	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
1,2,4-Trichlorobenzene	ND		ug/kg	104	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
1,1,1-Trichloroethane	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
1,1,2-Trichloroethane	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Trichloroethene	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Trichlorofluoromethane	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
1,2,3-Trichloropropane	ND		ug/kg	104	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
1,2,4-Trimethylbenzene	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
1,3,5-Trimethylbenzene	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Vinyl Acetate	ND		ug/kg	259	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Vinyl Chloride	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
o-Xylene	ND		ug/kg	51.8	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
mp-Xylene	ND		ug/kg	104	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*	*RegLmt*
1,2-Dichloroethane-d4 (S)	100		%	71-146	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
4-Bromofluorobenzene (S)	93		%	46-138	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Dibromofluoromethane (S)	100		%	42-143	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
Toluene-d8 (S)	98		%	54-141	8260/5035	11/2/07	JHD	11/6/07 21:59	DXN		
WET CHEMISTRY											
Moisture	20.8		%	0.1	SM20-2540 G			11/3/07 06:30	MBW	D	
Total Solids	79.2		%	0.1	SM20-2540 G			11/3/07 06:30	MBW	D	

Sample Comments:

The reporting limits for GCMS volatile analytes were raised due to the dilution of the sample caused by the level of non-target compounds.

Raymond J. Martrano
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9710002 NWT/07214

Lab ID: **9710002003** Date Collected: 11/1/2007 14:45 Matrix: Solid

Sample ID: **E-SS5 (4)** Date Received: 11/2/2007 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	4.4		%	0.1	SM20-2540 G			11/3/07 06:30	MBW	A	
Total Solids	95.6		%	0.1	SM20-2540 G			11/3/07 06:30	MBW	A	
METALS											
Arsenic, Total	ND		mg/kg	7	SW846 6010B	11/5/07	MNP	11/5/07 20:45	JVU	A1	
Lead, Total	46		mg/kg	6	SW846 6010B	11/5/07	MNP	11/5/07 20:45	JVU	A1	

Sample Comments:

Raymond J. Martrano
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9710002 NWT/07214

Lab ID: **9710002004** Date Collected: 11/1/2007 15:24 Matrix: Solid

Sample ID: **E-SS8 (4)** Date Received: 11/2/2007 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	6.7		%	0.1	SM20-2540 G			11/3/07 06:30	MBW	A	
Total Solids	93.3		%	0.1	SM20-2540 G			11/3/07 06:30	MBW	A	
METALS											
Arsenic, Total	22		mg/kg	10	SW846 6010B	11/5/07	MNP	11/5/07 23:27	JVU	A1	
Lead, Total	129		mg/kg	8	SW846 6010B	11/5/07	MNP	11/5/07 20:59	JVU	A1	

Sample Comments:

Raymond J. Martrano
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9710002 NWT/07214

Lab ID: **9710002005** Date Collected: 11/1/2007 15:30 Matrix: Solid
Sample ID: **E-SS9 (4)** Date Received: 11/2/2007 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	Reg.Lmt
WET CHEMISTRY											
Moisture	21.3		%	0.1	SM20-2540 G			11/3/07 06:30	MBW	A	
Total Solids	78.7		%	0.1	SM20-2540 G			11/3/07 06:30	MBW	A	
METALS											
Arsenic, Total	ND		mg/kg	12	SW846 6010B	11/5/07	MNP	11/5/07 21:04	JVU	A1	
Lead, Total	102		mg/kg	10	SW846 6010B	11/5/07	MNP	11/5/07 21:04	JVU	A1	

Sample Comments:

Raymond J. Martrano
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9710002 NWT/07214

Lab ID: **9710002006** Date Collected: 11/1/2007 15:55 Matrix: Solid
Sample ID: **E-SS10 (4)** Date Received: 11/2/2007 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	16.9		%	0.1	SM20-2540 G			11/3/07 06:30	MBW	A	
Total Solids	83.1		%	0.1	SM20-2540 G			11/3/07 06:30	MBW	A	
METALS											
Arsenic, Total	10		mg/kg	3	SW846 6010B	11/5/07	MNP	11/5/07 21:09	JVU	A1	
Lead, Total	84		mg/kg	2	SW846 6010B	11/5/07	MNP	11/5/07 18:13	JVU	A1	

Sample Comments:

Raymond J. Martrano
Laboratory Manager

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

1 of 1

Client Name: ARM GROUP
Address: 1129 W. GOVERNOR RD. Hershey, PA
Contact: STEVE FULTON
Phone#: 717-533-8600 x113
Project Name/#: NWT / 07214
Bill To: STEVE FULTON
TAT: [ ] Normal-Standard TAT is 10-12 business days. [x] Rush-Subject to ALSI approval and surcharges.
Date Required: 11/9/07 Approved By:
Email? [ ] Y
Fax? [ ] Y No.:

***Container Type	Soil			Soil										
***Container Size	4oz	Encore		4oz										
*** Preservative	—	—		—										

ANALYSES/METHOD REQUESTED

Sample Description/Location (as it will appear on the lab report)	Sample Date	Military Time	(G)	**Matrix all Soil	B,T,E,X	Arsenic + Lead (As) (Pb)	Sample/COC Comments
1 WADB-5 (7.5')	11/1/07	1230	G	S	1	3	
2 WADB-5 (11')	11/1/07	1245	G	S	1	3	→ NEED BY 11/9/07.
3 E-SS5 (4')	11/1/07	1445	G	S		1	
4 E-SS8 (4')	11/1/07	1524	G	S		1	Benzene, Toluene,
5 E-SS9 (4')	11/1/07	1530	G	S		1	Ethylbenzene,
6 E-SS10 (4')	11/1/07	1555	G	S		1	Xylenes
7							
8							- Contact Steve
9							Fulton if questions
10							

Enter Number of Containers Per Analysis Requested or Field Results Below.

RUSH

Receipt Information (completed by Receiving Lab)
Cooler Temp: 7° Therm. ID: 51023559
No. of Coolers: Y N Initial
Custody Seals Present? [ ] [x] KDW
(If present) Seals Intact? [ ] [ ]
Received on Ice? [x] [ ]
COC/Labels Complete/Accurate? [x] [ ]
Cont. in Good Cond.? [x] [ ]
Correct Containers? [x] [ ]
Correct Sample Volumes? [x] [ ]
Correct Preservation? [x] [ ]
Headspace/Volatiles? [ ] [ ]
Courier/Tracking #:

SAMPLED BY (Please Print): STEVE FULTON
LOGGED BY (signature): [signature] DATE 11/2/07 TIME 2003
REVIEWED BY (signature): [signature] DATE 11-5-07 TIME 1022

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 [signature] / ARM	11/2/07	1900	2 Kristen D. Wolf ALSI	11/2	1900
3			4		
5			6		
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ]
EDDs Required? [ ] If yes, format type:
State Samples Collected in: NC [ ] NJ [ ] NY [ ] PA [ ] Other
SDWA Forms Required? yes [ ] yes [ ] yes [ ] yes [ ]
PWSID
ALSI Field Services: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:
DOD Criteria Required?

* G=Grab; C=Composite **Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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Certificate of Analysis

Project Name:	NWT York/07214	Workorder:	9754149
Purchase Order:	07214	Workorder ID:	Soils-Cr+6

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

September 16, 2008

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Thursday, September 11, 2008

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAC accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALSI.

NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Steve Fulton

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Laboratory Manager

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SAMPLE SUMMARY

Workorder: 9754149 Soils-Cr+6 Discard Date: 09/30/2008

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9754149001	43-02-SS9[6]	Solid	9/10/08 14:23	9/11/08 11:55	Dan Buterbaugh
9754149002	43-02-SS9[20]	Solid	9/10/08 14:24	9/11/08 11:55	Dan Buterbaugh
9754149003	43-02-SS10[20]	Solid	9/10/08 14:32	9/11/08 11:55	Dan Buterbaugh
9754149004	43-02-SS11[6]	Solid	9/10/08 14:50	9/11/08 11:55	Dan Buterbaugh
9754149005	43-02-SS11[20]	Solid	9/10/08 14:51	9/11/08 11:55	Dan Buterbaugh

Workorder Comments:

Notes

-- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9754149 Soils-Cr+6

Lab ID: 9754149001 Date Collected: 9/10/2008 14:23 Matrix: Solid
Sample ID: 43-02-SS9[6] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Hexavalent Chromium	ND		mg/kg	2.2	SW846 7196A	9/16/08	LMM	9/16/08 14:00	LMM	A1	
Moisture	10.5		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	89.5		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9754149 Soils-Cr+6

Lab ID: 9754149002 Date Collected: 9/10/2008 14:24 Matrix: Solid
Sample ID: 43-02-SS9[20] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Hexavalent Chromium	ND		mg/kg	2.2	SW846 7196A	9/16/08	LMM	9/16/08 14:00	LMM	A1	
Moisture	11.1		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	88.9		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	

Sample Comments:

Anna G Milliken
Laboratory Manager

ANALYTICAL LABORATORY SERVICES, INC.

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34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9754149 Soils-Cr+6

Lab ID: **9754149003** Date Collected: 9/10/2008 14:32 Matrix: Solid

Sample ID: **43-02-SS10[20]** Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Hexavalent Chromium	ND		mg/kg	2.3	SW846 7196A	9/16/08	LMM	9/16/08 14:00	LMM	A1	
Moisture	13.2		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	86.8		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9754149 Soils-Cr+6

Lab ID:	9754149004	Date Collected:	9/10/2008 14:50	Matrix:	Solid
Sample ID:	43-02-SS11[6]	Date Received:	9/11/2008 11:55		

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Hexavalent Chromium	ND		mg/kg	2.3	SW846 7196A	9/16/08	LMM	9/16/08 14:00	LMM	A1	
Moisture	14.7		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	85.3		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9754149 Soils-Cr+6

Lab ID: 9754149005 Date Collected: 9/10/2008 14:51 Matrix: Solid
Sample ID: 43-02-SS11[20] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Hexavalent Chromium	ND		mg/kg	2.3	SW846 7196A	9/16/08	LMM	9/16/08 14:00	LMM	A1	
Moisture	13.8		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	86.2		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	

Sample Comments:

Anna G Milliken
Laboratory Manager

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 1
Courier:
Tracking #:

97541 49

Co. Name: ARM Group
Contact (Report to): Dan Butebaugh
Phone: 508-0532
Address: 1129 W. Governor Rd
PO Box 797
Hershey PA 17033

Bill to (if different than Report to):
PO#:

Project Name/#: NIWT / 07214
ALSI Quote #: 52612

TAT: [X] Normal-Standard TAT is 10-12 business days. [ ] Rush-Subject to ALSI approval and surcharges.
Date Required:
Approved By:

Email? [X] -Y dbutebaugh@armgroup.net
Fax? [ ] -Y No.:

Cooler Temp: 3°
Therm. ID: 51023557
No. of Coolers:
Notes:

ANALYSES/METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Chromium 6																					
	***Container Type				G																							
	***Container Size				4 oz																							
	Preservative				—																							
							Enter Number of Containers Per Analysis																					
1	43-02-559 (6")		9/6/08	1423	G	S	1																					
2	43-02-559 (20")			1424	G	S	1																					
3	43-02-5510 (20")			1432	G	S	1																					
4	43-02-5511 (6")			1450	G	S	1																					
5	43-02-5511 (20")			1451	G	S	1																					
6																												
7																												
8																												

Circle appropriate Y or N.

	Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Custody seals Present?	(If present) Seals intact?	Received on ice?	COC/Labels complete/accurate?	Container in good condition?
	Y	Y	Y	N	N	N	N	N	N
	Y	Y	Y	N	Y	Y	Y	Y	Y

SAMPLED BY (Please Print): D Butebaugh
LOGGED BY (signature): 9-11-08 1706
REVIEWED BY (signature): Date 09/12/08 Time 1155

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	9/11/08	1155	2 ALSI	9/11/08	1155
3			4		
5			6		
7			8		
9			10		

Data Deliverables: [X] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] other
EDDs Required? [ ] If yes, format type:
SDWA Forms Req.: yes / yes / yes / yes
State Samples Collected In? MD / NJ / NY / PA
Other
DOD Criteria Required?

ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite
**Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 5oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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Certificate of Analysis

Project Name:	**NWT York/07214**	Workorder:	**9754146**
Purchase Order:	**07214**	Workorder ID:	**Soils-Benzene,Arsenic,Lead**

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

September 23, 2008

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Thursday, September 11, 2008

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAC accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

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NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Steve Fulton

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Laboratory Manager

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SAMPLE SUMMARY

Workorder: 9754146 Soils-Benzene,Arsenic,Lead

Discard Date: 10/07/2008

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9754146001	D-SB9[7.5]	Solid	9/10/08 12:09	9/11/08 11:55	Dan Buterbaugh
9754146002	D-SB10[7.5]	Solid	9/10/08 12:31	9/11/08 11:55	Dan Buterbaugh
9754146003	D-SB11[7.5]	Solid	9/10/08 12:45	9/11/08 11:55	Dan Buterbaugh

Workorder Comments:

Notes

-- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9754146 Soils-Benzene,Arsenic,Lead

Lab ID: **9754146001** Date Collected: 9/10/2008 12:09 Matrix: Solid
Sample ID: **D-SB9[7.5]** Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
VOLATILE ORGANICS											
Benzene	ND		ug/kg	35.0	8260/5035	9/10/08	MES	9/18/08 09:55	MES	A	
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*	*RegLmt*
1,2-Dichloroethane-d4 (S)	97		%	71-146	8260/5035	9/10/08	MES	9/18/08 09:55	MES	A	
4-Bromofluorobenzene (S)	96		%	46-138	8260/5035	9/10/08	MES	9/18/08 09:55	MES	A	
Dibromofluoromethane (S)	98		%	42-143	8260/5035	9/10/08	MES	9/18/08 09:55	MES	A	
Toluene-d8 (S)	102		%	54-141	8260/5035	9/10/08	MES	9/18/08 09:55	MES	A	
WET CHEMISTRY											
Moisture	15.3		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	B	
Total Solids	84.7		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	B	
METALS											
Arsenic, Total	5		mg/kg	3	SW846 6010C	9/16/08	MNP	9/17/08 08:14	SRT	B1	
Lead, Total	11		mg/kg	2	SW846 6010C	9/16/08	MNP	9/17/08 08:14	SRT	B1	

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9754146 Soils-Benzene,Arsenic,Lead

Lab ID: **9754146002** Date Collected: 9/10/2008 12:31 Matrix: Solid
Sample ID: **D-SB10[7.5]** Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
VOLATILE ORGANICS											
Benzene	ND		ug/kg	97.4	8260/5035	9/10/08	MES	9/18/08 10:22	MES	A	
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*	*RegLmt*
1,2-Dichloroethane-d4 (S)	90		%	71-146	8260/5035	9/10/08	MES	9/18/08 10:22	MES	A	
4-Bromofluorobenzene (S)	86		%	46-138	8260/5035	9/10/08	MES	9/18/08 10:22	MES	A	
Dibromofluoromethane (S)	89		%	42-143	8260/5035	9/10/08	MES	9/18/08 10:22	MES	A	
Toluene-d8 (S)	88		%	54-141	8260/5035	9/10/08	MES	9/18/08 10:22	MES	A	
WET CHEMISTRY											
Moisture	15.5		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	B	
Total Solids	84.5		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	B	
METALS											
Arsenic, Total	7		mg/kg	3	SW846 6010C	9/17/08	CMD	9/22/08 09:41	TED	B2	
Lead, Total	32		mg/kg	2	SW846 6010C	9/17/08	CMD	9/22/08 09:41	TED	B2	

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9754146 Soils-Benzene,Arsenic,Lead

Lab ID: **9754146003** Date Collected: 9/10/2008 12:45 Matrix: Solid

Sample ID: **D-SB11[7.5]** Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
VOLATILE ORGANICS											
Benzene	ND		ug/kg	36.7	8260/5035	9/10/08	MES	9/18/08 10:49	MES	A	
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*	*RegLmt*
1,2-Dichloroethane-d4 (S)	83		%	71-146	8260/5035	9/10/08	MES	9/18/08 10:49	MES	A	
4-Bromofluorobenzene (S)	83		%	46-138	8260/5035	9/10/08	MES	9/18/08 10:49	MES	A	
Dibromofluoromethane (S)	87		%	42-143	8260/5035	9/10/08	MES	9/18/08 10:49	MES	A	
Toluene-d8 (S)	85		%	54-141	8260/5035	9/10/08	MES	9/18/08 10:49	MES	A	
WET CHEMISTRY											
Moisture	12.7		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	B	
Total Solids	87.3		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	B	
METALS											
Arsenic, Total	ND		mg/kg	3	SW846 6010C	9/17/08	CMD	9/22/08 09:46	TED	B2	
Lead, Total	72		mg/kg	2	SW846 6010C	9/17/08	CMD	9/22/08 09:46	TED	B2	

Sample Comments:

Anna G Milliken
Laboratory Manager

Analytical Laboratory Services, Inc.
Environmental • Industrial Hygiene • Field Services
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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 1
Courier:
Tracking #:

Co. Name: ARM Group
Contact (Report to): Dan Butterbaugh
Phone: 508-0532
Address: 1129 W. Governor Rd
PO Box 797
Hershey PA 17033

Bill to (if different than Report to):
PO#:

Project Name/#: NWT 107214
ALSI Quote #: 52012

TAT: ☑ Normal-Standard TAT is 10-12 business days. ☐ Rush-Subject to ALSI approval and surcharges.
Date Required:
Approved By:

Email? ☑ -Y dbutterbaugh@armgroup.net
Fax? ☐ -Y No.:

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Benzene	As, Pb (TOTAL)												
							ANALYSES/METHOD REQUESTED													
							Enter Number of Containers Per Analysis													
1	D-SB9 (7.5')		9/10/08	1209	G	S	1	1												
2	D-SB10 (7.5')		1	1231	G	S	1	1												
3	D-SB11 (7.5')		↓	1245	G	S	1	1												
4																				
5																				
6																				
7																				
8																				

**Container Type	G	G																		
**Container Size	1L	4oz																		
Preservative	NaOH	—																		

Temp/pH Sample Receipt
Performed by:
Cooler Temp: 3°
Therm. ID: 51023559
No. of Coolers:
Notes:

Correct containers?	Y	Y	Y	Y																
Correct sample volume?	Y	Y	Y	Y																
Correct preservation?	Y	Y	Y	Y																
Headspace/Volatiles?	N	N	N	N																
Circle appropriate Y or N.																				
Custody seals Present?	Y	Y	Y	Y																
(If present) Seals intact?	Y	Y	Y	Y																
Received on Ice?	Y	Y	Y	Y																
COC/Labels complete/accurate?	Y	Y	Y	Y																
Container in good condition?	Y	Y	Y	Y																

SAMPLED BY (Please Print): D Butterbaugh
LOGGED BY (signature): Date 9-11-08 Time 1654
REVIEWED BY (signature): Date 09/12/08 Time 1540

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	9/11/08	1155	2 ALSI	9/11/08	1155
3			4		
5			6		
7			8		
9			10		

Data Deliverables: ☑ Standard ☐ CLP-like ☐ NJ-Reduced ☐ NJ-Full ☐ other
EDDs Required? ☐ If yes, format type:
SDWA Forms? yes ☐ yes ☐ yes ☐ yes ☐
State Samples Collected In? MD ☐ NJ ☐ NY ☐ PA ☐
Other:
DOD Criteria Required?

ALSI FIELD SERVICES
☐ Pickup
☐ Labor
☐ Composite Sampling
☐ Rental Equipment
☐ Other:

* G=Grab; C=Composite
**Matrix: A=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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Certificate of Analysis

Project Name:	**YORK RDA - NORTHWEST**	Workorder:	**9707875**
Purchase Order:	**07214**	Workorder ID:	**Soils-PADEP Fuel Oil #2**

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

October 25, 2007

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Thursday, October 18, 2007

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Raymond J Martrano (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAC accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

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Analytical Laboratory Services, Inc.

Raymond J. Martrano
Laboratory Manager

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SAMPLE SUMMARY

Workorder: 9707875 Soils-PADEP Fuel Oil #2 Discard Date: 11/08/2007

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9707875001	E-TS-1 [5]	Solid	10/17/07 16:50	10/18/07 08:00	Dan Buterbaugh
9707875002	E-TS-2 [5]	Solid	10/17/07 17:50	10/18/07 08:00	Dan Buterbaugh
9707875003	E-LS-1 [1]	Solid	10/17/07 14:45	10/18/07 08:00	Dan Buterbaugh

Workorder Comments:

Notes

- -- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
- -- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- -- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- -- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- -- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Both flags indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9707875 Soils-PADEP Fuel Oil #2

Lab ID: **9707875001** Date Collected: 10/17/2007 16:50 Matrix: Solid
Sample ID: **E-TS-1 [5]** Date Received: 10/18/2007 08:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
VOLATILE ORGANICS											
Benzene	ND		ug/kg	53.3	8260/5035	10/17/07	ECR	10/23/07 20:31	ECR	A	
Ethylbenzene	ND		ug/kg	53.3	8260/5035	10/17/07	ECR	10/23/07 20:31	ECR	A	
Isopropylbenzene	ND		ug/kg	53.3	8260/5035	10/17/07	ECR	10/23/07 20:31	ECR	A	
Naphthalene	ND		ug/kg	107	8260/5035	10/17/07	ECR	10/23/07 20:31	ECR	A	
Toluene	ND		ug/kg	53.3	8260/5035	10/17/07	ECR	10/23/07 20:31	ECR	A	
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*	*RegLmt*
1,2-Dichloroethane-d4 (S)	106		%	71-146	8260/5035	10/17/07	ECR	10/23/07 20:31	ECR	A	
4-Bromofluorobenzene (S)	123		%	46-138	8260/5035	10/17/07	ECR	10/23/07 20:31	ECR	A	
Toluene-d8 (S)	110		%	54-141	8260/5035	10/17/07	ECR	10/23/07 20:31	ECR	A	
Dibromofluoromethane (S)	102		%	42-143	8260/5035	10/17/07	ECR	10/23/07 20:31	ECR	A	
SEMIVOLATILES											
Fluorene	ND		ug/kg	118	SW846 8270C	10/19/07	ADM	10/20/07 20:35	DRS	D1	
Phenanthrene	ND		ug/kg	118	SW846 8270C	10/19/07	ADM	10/20/07 20:35	DRS	D1	
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*	*RegLmt*
2-Fluorobiphenyl (S)	89		%	43-113	SW846 8270C	10/19/07	ADM	10/20/07 20:35	DRS	D1	
Nitrobenzene-d5 (S)	112		%	23-131	SW846 8270C	10/19/07	ADM	10/20/07 20:35	DRS	D1	
Terphenyl-d14 (S)	95		%	45-122	SW846 8270C	10/19/07	ADM	10/20/07 20:35	DRS	D1	
WET CHEMISTRY											
Moisture	15.4		%	0.1	SM20-2540 G			10/18/07 21:59	AJG	D	
Total Solids	84.6		%	0.1	SM20-2540 G			10/18/07 21:59	AJG	D	

Sample Comments:

Raymond J. Martrano
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9707875 Soils-PADEP Fuel Oil #2

Lab ID: **9707875002** Date Collected: 10/17/2007 17:50 Matrix: Solid
Sample ID: **E-TS-2 [5]** Date Received: 10/18/2007 08:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
VOLATILE ORGANICS											
Benzene	ND		ug/kg	45.2	8260/5035	10/17/07	ECR	10/20/07 01:29	ECR	A	
Ethylbenzene	ND		ug/kg	45.2	8260/5035	10/17/07	ECR	10/20/07 01:29	ECR	A	
Isopropylbenzene	ND		ug/kg	45.2	8260/5035	10/17/07	ECR	10/20/07 01:29	ECR	A	
Naphthalene	ND		ug/kg	90.5	8260/5035	10/17/07	ECR	10/20/07 01:29	ECR	A	
Toluene	ND		ug/kg	45.2	8260/5035	10/17/07	ECR	10/20/07 01:29	ECR	A	
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*	*RegLmt*
1,2-Dichloroethane-d4 (S)	103		%	71-146	8260/5035	10/17/07	ECR	10/20/07 01:29	ECR	A	
Dibromofluoromethane (S)	103		%	42-143	8260/5035	10/17/07	ECR	10/20/07 01:29	ECR	A	
Toluene-d8 (S)	108		%	54-141	8260/5035	10/17/07	ECR	10/20/07 01:29	ECR	A	
4-Bromofluorobenzene (S)	110		%	46-138	8260/5035	10/17/07	ECR	10/20/07 01:29	ECR	A	
SEMIVOLATILES											
Fluorene	ND		ug/kg	110	SW846 8270C	10/19/07	ADM	10/20/07 21:23	DRS	D1	
Phenanthrene	ND		ug/kg	110	SW846 8270C	10/19/07	ADM	10/20/07 21:23	DRS	D1	
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*	*RegLmt*
2-Fluorobiphenyl (S)	85		%	43-113	SW846 8270C	10/19/07	ADM	10/20/07 21:23	DRS	D1	
Nitrobenzene-d5 (S)	103		%	23-131	SW846 8270C	10/19/07	ADM	10/20/07 21:23	DRS	D1	
Terphenyl-d14 (S)	92		%	45-122	SW846 8270C	10/19/07	ADM	10/20/07 21:23	DRS	D1	
WET CHEMISTRY											
Moisture	9.4		%	0.1	SM20-2540 G			10/18/07 21:59	AJG	D	
Total Solids	90.6		%	0.1	SM20-2540 G			10/18/07 21:59	AJG	D	

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9707875 Soils-PADEP Fuel Oil #2

Lab ID: **9707875003** Date Collected: 10/17/2007 14:45 Matrix: Solid
Sample ID: **E-LS-1 [1]** Date Received: 10/18/2007 08:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
VOLATILE ORGANICS											
Benzene	ND		ug/kg	272	8260/5035	10/17/07	ECR	10/23/07 21:00	ECR	A	
Ethylbenzene	ND		ug/kg	272	8260/5035	10/17/07	ECR	10/23/07 21:00	ECR	A	
Isopropylbenzene	ND		ug/kg	272	8260/5035	10/17/07	ECR	10/23/07 21:00	ECR	A	
Naphthalene	ND		ug/kg	545	8260/5035	10/17/07	ECR	10/23/07 21:00	ECR	A	
Toluene	ND		ug/kg	272	8260/5035	10/17/07	ECR	10/23/07 21:00	ECR	A	
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*	*RegLmt*
1,2-Dichloroethane-d4 (S)	111		%	71-146	8260/5035	10/17/07	ECR	10/23/07 21:00	ECR	A	
4-Bromofluorobenzene (S)	139	1	%	46-138	8260/5035	10/17/07	ECR	10/23/07 21:00	ECR	A	
Dibromofluoromethane (S)	105		%	42-143	8260/5035	10/17/07	ECR	10/23/07 21:00	ECR	A	
Toluene-d8 (S)	106		%	54-141	8260/5035	10/17/07	ECR	10/23/07 21:00	ECR	A	
SEMIVOLATILES											
Fluorene	ND		ug/kg	115	SW846 8270C	10/19/07	ADM	10/20/07 22:11	DRS	D1	
Phenanthrene	ND		ug/kg	115	SW846 8270C	10/19/07	ADM	10/20/07 22:11	DRS	D1	
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*	*RegLmt*
2-Fluorobiphenyl (S)	81		%	43-113	SW846 8270C	10/19/07	ADM	10/20/07 22:11	DRS	D1	
Nitrobenzene-d5 (S)	97		%	23-131	SW846 8270C	10/19/07	ADM	10/20/07 22:11	DRS	D1	
Terphenyl-d14 (S)	83		%	45-122	SW846 8270C	10/19/07	ADM	10/20/07 22:11	DRS	D1	
WET CHEMISTRY											
Moisture	12.7		%	0.1	SM20-2540 G			10/18/07 21:59	AJG	D	
Total Solids	87.3		%	0.1	SM20-2540 G			10/18/07 21:59	AJG	D	

Sample Comments:

One or more of the method 8260 surrogates were recovered outside of the control limits. The sample was re-analyzed with similar results, indicating a significant matrix interference.

Raymond J. Martrano
Laboratory Manager

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ANALYTICAL RESULTS QUALIFIERS\FLAGS

Workorder: 9707875 Soils-PADEP Fuel Oil #2

PARAMETER QUALIFIERS\FLAGS

[1] The surrogate recovery was outside of the established control limits.

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 1
Courier:
Tracking #:

Co. Name: ARM
Contact (Report to): Dan Butebaugh
Address: 1129 W. Governor Rd Hershey PA 17033
Phone: 717-533-8600

Bill to (if different than Report to):
PO#: 07214

Project Name/#: 07214/ York
ALSI Quote #:

TAT: [X] Normal-Standard TAT is 10-12 business days. [ ] Rush-Subject to ALSI approval and surcharges.
Date Required:
Approved By:

Email? [X] -Y dbutebaugh@armgroup.net
Fax? -Y No.:

***Container Type	G	C														
***Container Size	VO	250														
*** Preservative																

ANALYSES/METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Fuel Oil #2									
1	E-TS-1 (5')		10/17/07	1650			X									
2	E-TS-2 (5')			1750			X									
3	E-LS-1 (1')			1445			X									
4																
5																
6																
7																
8																

Enter Number of Containers Per Analysis

Receipt Information (completed by Sample Receiving)
Reviewed by: DKS
Cooler Temp: 2°C
Therm. ID: 51023559
No. of Coolers:
Notes:

Sample Description/Location	Custody seals Present?	(if present) Seals intact?	Received on ice?	COC/Labels complete/accurate?	Container in good condition?
1 E-TS-1 (5')	Y	Y	Y	Y	Y
2 E-TS-2 (5')	N	N	N	N	N
3 E-LS-1 (1')	Y	Y	Y	Y	Y
4					
5					
6					
7					
8					

Correct containers? Y N
Correct sample volume? Y N
Correct preservation? Y N
Headspace/Volatiles? Y N
Circle appropriate Y or N.

SAMPLED BY (Please Print): Dan Butebaugh
LOGGED BY (signature): [signature] DATE 10/18/07 TIME 1053
REVIEWED BY (signature): [signature] DATE 10/24/07 TIME 0733

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 [signature]	10/18/07	0800	2 [signature] ALSI	10/18/07	0800
3			4		
5			6		
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] (other)
EDDs Required? [ ] If yes, format type:
SDWA Forms? yes [ ] yes [ ] yes [ ] yes [ ]
State Samples Deflected In? MD [ ] NJ [ ] NY [ ] PA [ ]
Other
DOD Criteria Required?

ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite **Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SG=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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Certificate of Analysis

Project Name:	NWT York/07214	Workorder:	9754144
Purchase Order:	07214	Workorder ID:	Soils-Lead&Arsenic

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

September 17, 2008

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Thursday, September 11, 2008

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAC accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALSI.

NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Steve Fulton

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Laboratory Manager

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SAMPLE SUMMARY

Workorder: 9754144 Soils-Lead&Arsenic

Discard Date: 10/01/2008

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9754144001	E-SS11[24]	Solid	9/8/08 12:18	9/11/08 11:55	Dan Buterbaugh
9754144002	E-SS12[24]	Solid	9/8/08 12:30	9/11/08 11:55	Dan Buterbaugh
9754144003	E-SS13[6]	Solid	9/8/08 12:37	9/11/08 11:55	Dan Buterbaugh
9754144004	E-SS14[6]	Solid	9/8/08 13:18	9/11/08 11:55	Dan Buterbaugh
9754144005	E-SS15[6]	Solid	9/8/08 13:22	9/11/08 11:55	Dan Buterbaugh
9754144006	E-SS16[6]	Solid	9/10/08 09:15	9/11/08 11:55	Dan Buterbaugh
9754144007	E-SS17[6]	Solid	9/10/08 09:22	9/11/08 11:55	Dan Buterbaugh
9754144008	E-SS18[32]	Solid	9/10/08 09:31	9/11/08 11:55	Dan Buterbaugh
9754144009	E-SS18[70]	Solid	9/10/08 09:35	9/11/08 11:55	Dan Buterbaugh
9754144010	E-SS19[6]	Solid	9/10/08 09:44	9/11/08 11:55	Dan Buterbaugh
9754144011	E-SS19[24]	Solid	9/10/08 09:45	9/11/08 11:55	Dan Buterbaugh
9754144012	E-SS19[70]	Solid	9/10/08 09:48	9/11/08 11:55	Dan Buterbaugh
9754144013	E-SS20[6]	Solid	9/10/08 09:59	9/11/08 11:55	Dan Buterbaugh
9754144014	E-SS20[24]	Solid	9/10/08 10:00	9/11/08 11:55	Dan Buterbaugh
9754144015	E-SS20[48]	Solid	9/10/08 10:01	9/11/08 11:55	Dan Buterbaugh
9754144016	E-SS21[6]	Solid	9/10/08 10:07	9/11/08 11:55	Dan Buterbaugh
9754144017	E-SS22[6]	Solid	9/10/08 10:13	9/11/08 11:55	Dan Buterbaugh
9754144018	E-SS22[24]	Solid	9/10/08 10:14	9/11/08 11:55	Dan Buterbaugh
9754144019	E-SS22[48]	Solid	9/10/08 10:15	9/11/08 11:55	Dan Buterbaugh
9754144020	E-SS23[6]	Solid	9/10/08 10:20	9/11/08 11:55	Dan Buterbaugh
9754144021	E-SS23[24]	Solid	9/10/08 10:21	9/11/08 11:55	Dan Buterbaugh
9754144022	E-SS-23(48)	Solid	9/10/08 10:24	9/11/08 11:55	Dan Buterbaugh

Workorder Comments:

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SAMPLE SUMMARY

Workorder: 9754144 Soils-Lead&Arsenic

Discard Date: 10/01/2008

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By

Notes

- -- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
- -- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- -- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- -- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- -- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9754144 Soils-Lead&Arsenic

Lab ID: 9754144001 Date Collected: 9/8/2008 12:18 Matrix: Solid

Sample ID: E-SS11[24] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	19.5		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	80.5		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Arsenic, Total	9		mg/kg	4	SW846 6010C	9/12/08	MNP	9/17/08 07:13	SRT	A1	
Lead, Total	21		mg/kg	2	SW846 6010C	9/12/08	MNP	9/17/08 07:13	SRT	A1	

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9754144 Soils-Lead&Arsenic

Lab ID: 9754144002 Date Collected: 9/8/2008 12:30 Matrix: Solid
Sample ID: E-SS12[24] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	14.4		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	85.6		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Arsenic, Total	5		mg/kg	3	SW846 6010C	9/15/08	MNP	9/15/08 14:33	TED	A1	0.01
Lead, Total	65		mg/kg	2	SW846 6010C	9/15/08	MNP	9/15/08 14:33	TED	A1	0.005

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9754144 Soils-Lead&Arsenic

Lab ID: 9754144003 Date Collected: 9/8/2008 12:37 Matrix: Solid

Sample ID: E-SS13[6] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	13.9		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	86.1		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Arsenic, Total	5		mg/kg	3	SW846 6010C	9/15/08	MNP	9/15/08 15:07	TED	A1	0.01
Lead, Total	50		mg/kg	2	SW846 6010C	9/15/08	MNP	9/15/08 15:07	TED	A1	0.005

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9754144 Soils-Lead&Arsenic

Lab ID: 9754144004 Date Collected: 9/8/2008 13:18 Matrix: Solid

Sample ID: E-SS14[6] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	13.3		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	86.7		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Arsenic, Total	11		mg/kg	3	SW846 6010C	9/15/08	MNP	9/15/08 15:12	TED	A1	0.01
Lead, Total	26		mg/kg	2	SW846 6010C	9/15/08	MNP	9/15/08 15:12	TED	A1	0.005

Sample Comments:

Anna G Milliken
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ANALYTICAL RESULTS

Workorder: 9754144 Soils-Lead&Arsenic

Lab ID: 9754144005 Date Collected: 9/8/2008 13:22 Matrix: Solid

Sample ID: E-SS15[6] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	12.0		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	88.0		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Arsenic, Total	8		mg/kg	3	SW846 6010C	9/15/08	MNP	9/15/08 15:16	TED	A1	0.01
Lead, Total	50		mg/kg	2	SW846 6010C	9/15/08	MNP	9/15/08 15:16	TED	A1	0.005

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9754144 Soils-Lead&Arsenic

Lab ID: 9754144006 Date Collected: 9/10/2008 09:15 Matrix: Solid
Sample ID: E-SS16[6] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	16.0		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	84.0		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Arsenic, Total	14		mg/kg	3	SW846 6010C	9/15/08	MNP	9/15/08 15:21	TED	A1	0.01
Lead, Total	82		mg/kg	2	SW846 6010C	9/15/08	MNP	9/15/08 15:21	TED	A1	0.005

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9754144 Soils-Lead&Arsenic

Lab ID: 9754144007 Date Collected: 9/10/2008 09:22 Matrix: Solid

Sample ID: E-SS17[6] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	13.9		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	86.1		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Arsenic, Total	8		mg/kg	3	SW846 6010C	9/15/08	MNP	9/15/08 15:25	TED	A1	0.01
Lead, Total	58		mg/kg	2	SW846 6010C	9/15/08	MNP	9/15/08 15:25	TED	A1	0.005

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9754144 Soils-Lead&Arsenic

Lab ID: 9754144008 Date Collected: 9/10/2008 09:31 Matrix: Solid
Sample ID: E-SS18[32] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	10.9		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	89.1		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Arsenic, Total	13		mg/kg	3	SW846 6010C	9/15/08	MNP	9/15/08 15:30	TED	A1	0.01
Lead, Total	23		mg/kg	2	SW846 6010C	9/15/08	MNP	9/15/08 15:30	TED	A1	0.005

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9754144 Soils-Lead&Arsenic

Lab ID: 9754144009 Date Collected: 9/10/2008 09:35 Matrix: Solid

Sample ID: E-SS18[70] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	23.2		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	76.8		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Arsenic, Total	4		mg/kg	4	SW846 6010C	9/15/08	MNP	9/15/08 15:34	TED	A1	0.01
Lead, Total	6		mg/kg	3	SW846 6010C	9/15/08	MNP	9/15/08 15:34	TED	A1	0.005

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9754144 Soils-Lead&Arsenic

Lab ID: 9754144010 Date Collected: 9/10/2008 09:44 Matrix: Solid

Sample ID: E-SS19[6] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	24.1		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	75.9		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Arsenic, Total	12		mg/kg	4	SW846 6010C	9/15/08	MNP	9/15/08 15:39	TED	A1	0.01
Lead, Total	19		mg/kg	2	SW846 6010C	9/15/08	MNP	9/15/08 15:39	TED	A1	0.005

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9754144 Soils-Lead&Arsenic

Lab ID: 9754144011 Date Collected: 9/10/2008 09:45 Matrix: Solid

Sample ID: E-SS19[24] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	14.7		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	85.3		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Arsenic, Total	7		mg/kg	4	SW846 6010C	9/15/08	MNP	9/15/08 15:43	TED	A1	0.01
Lead, Total	13		mg/kg	2	SW846 6010C	9/15/08	MNP	9/15/08 15:43	TED	A1	0.005

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9754144 Soils-Lead&Arsenic

Lab ID: 9754144012 Date Collected: 9/10/2008 09:48 Matrix: Solid
Sample ID: E-SS19[70] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	11.4		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	88.6		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Arsenic, Total	8		mg/kg	3	SW846 6010C	9/15/08	MNP	9/15/08 15:48	TED	A1	0.01
Lead, Total	13		mg/kg	2	SW846 6010C	9/15/08	MNP	9/15/08 15:48	TED	A1	0.005

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9754144 Soils-Lead&Arsenic

Lab ID: 9754144013 Date Collected: 9/10/2008 09:59 Matrix: Solid

Sample ID: E-SS20[6] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	19.6		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	80.4		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Arsenic, Total	10		mg/kg	3	SW846 6010C	9/15/08	MNP	9/17/08 07:18	SRT	A1	
Lead, Total	65		mg/kg	2	SW846 6010C	9/15/08	MNP	9/17/08 07:18	SRT	A1	

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9754144 Soils-Lead&Arsenic

Lab ID: 9754144014 Date Collected: 9/10/2008 10:00 Matrix: Solid
Sample ID: E-SS20[24] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	14.7		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	85.3		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Arsenic, Total	6		mg/kg	3	SW846 6010C	9/16/08	MNP	9/17/08 07:22	SRT	A1	
Lead, Total	20		mg/kg	2	SW846 6010C	9/16/08	MNP	9/17/08 07:22	SRT	A1	

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9754144 Soils-Lead&Arsenic

Lab ID: 9754144015 Date Collected: 9/10/2008 10:01 Matrix: Solid
Sample ID: E-SS20[48] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	14.0		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	86.0		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Arsenic, Total	6		mg/kg	3	SW846 6010C	9/16/08	MNP	9/17/08 07:27	SRT	A1	
Lead, Total	16		mg/kg	2	SW846 6010C	9/16/08	MNP	9/17/08 07:27	SRT	A1	

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9754144 Soils-Lead&Arsenic

Lab ID: 9754144016 Date Collected: 9/10/2008 10:07 Matrix: Solid
Sample ID: E-SS21[6] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	14.9		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	85.1		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Arsenic, Total	6		mg/kg	3	SW846 6010C	9/16/08	MNP	9/17/08 07:31	SRT	A1	
Lead, Total	61		mg/kg	2	SW846 6010C	9/16/08	MNP	9/17/08 07:31	SRT	A1	

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9754144 Soils-Lead&Arsenic

Lab ID: 9754144017 Date Collected: 9/10/2008 10:13 Matrix: Solid
Sample ID: E-SS22[6] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	8.2		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	91.8		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Arsenic, Total	89		mg/kg	14	SW846 6010C	9/16/08	MNP	9/17/08 08:24	SRT	A1	
Lead, Total	208		mg/kg	9	SW846 6010C	9/16/08	MNP	9/17/08 08:24	SRT	A1	

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9754144 Soils-Lead&Arsenic

Lab ID: 9754144018 Date Collected: 9/10/2008 10:14 Matrix: Solid
Sample ID: E-SS22[24] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	11.9		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	88.1		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Arsenic, Total	40		mg/kg	15	SW846 6010C	9/16/08	MNP	9/17/08 07:56	SRT	A1	
Lead, Total	58		mg/kg	10	SW846 6010C	9/16/08	MNP	9/17/08 07:56	SRT	A1	

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9754144 Soils-Lead&Arsenic

Lab ID: 9754144019 Date Collected: 9/10/2008 10:15 Matrix: Solid

Sample ID: E-SS22[48] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	20.6		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	79.4		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Arsenic, Total	10		mg/kg	4	SW846 6010C	9/16/08	MNP	9/17/08 08:01	SRT	A1	
Lead, Total	25		mg/kg	3	SW846 6010C	9/16/08	MNP	9/17/08 08:01	SRT	A1	

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9754144 Soils-Lead&Arsenic

Lab ID: 9754144020 Date Collected: 9/10/2008 10:20 Matrix: Solid

Sample ID: E-SS23[6] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	15.1		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	84.9		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Arsenic, Total	11		mg/kg	3	SW846 6010C	9/16/08	MNP	9/17/08 08:05	SRT	A1	
Lead, Total	39		mg/kg	2	SW846 6010C	9/16/08	MNP	9/17/08 08:05	SRT	A1	

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9754144 Soils-Lead&Arsenic

Lab ID: 9754144021 Date Collected: 9/10/2008 10:21 Matrix: Solid
Sample ID: E-SS23[24] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	17.3		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	82.7		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Arsenic, Total	29		mg/kg	3	SW846 6010C	9/16/08	MNP	9/17/08 08:10	SRT	A1	
Lead, Total	234		mg/kg	2	SW846 6010C	9/16/08	MNP	9/17/08 08:10	SRT	A1	

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9754144 Soils-Lead&Arsenic

Lab ID: 9754144022 Date Collected: 9/10/2008 10:24 Matrix: Solid

Sample ID: E-SS-23(48) Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
ADMINISTRATIVE											
Sample Cancelled	Not Analyzed							9/17/08 10:24	SJB		

Sample Comments:

The sample container for this location was not received at the laboratory. Dan Buterbaugh of ARM Group was notified on 09/12/08.
SJB 09/17/08

Anna G Milliken
Laboratory Manager

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Certificate of Analysis

Project Name:	NWT York/07214	Workorder:	9754150
Purchase Order:	07214	Workorder ID:	Soils-Lead, Arsenic

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

September 23, 2008

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Thursday, September 11, 2008

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAC accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALSI.

NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Steve Fulton

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Laboratory Manager

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SAMPLE SUMMARY

Workorder: 9754150 Soils-Lead, Arsenic

Discard Date: 10/07/2008

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9754150001	C-SS15[6]	Solid	9/8/08 11:55	9/11/08 11:55	Dan Buterbaugh
9754150002	C-SS15[18]	Solid	9/8/08 11:57	9/11/08 11:55	Dan Buterbaugh
9754150003	C-SS16[6]	Solid	9/8/08 11:43	9/11/08 11:55	Dan Buterbaugh
9754150004	C-SS16[18]	Solid	9/8/08 11:45	9/11/08 11:55	Dan Buterbaugh
9754150005	C-SS17[6]	Solid	9/8/08 10:40	9/11/08 11:55	Dan Buterbaugh
9754150006	C-SS17[18]	Solid	9/8/08 10:42	9/11/08 11:55	Dan Buterbaugh
9754150007	C-SS18[6]	Solid	9/8/08 10:55	9/11/08 11:55	Dan Buterbaugh
9754150008	C-SS18[18]	Solid	9/8/08 10:58	9/11/08 11:55	Dan Buterbaugh
9754150009	C-SS19[6]	Solid	9/8/08 11:00	9/11/08 11:55	Dan Buterbaugh
9754150010	C-SS19[18]	Solid	9/8/08 11:02	9/11/08 11:55	Dan Buterbaugh
9754150011	C-SS20[6]	Solid	9/8/08 11:22	9/11/08 11:55	Dan Buterbaugh
9754150012	C-SS20[18]	Solid	9/8/08 11:24	9/11/08 11:55	Dan Buterbaugh

Workorder Comments:

Notes

- -- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
- -- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- -- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- -- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- -- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9754150 Soils-Lead, Arsenic

Lab ID: **9754150001** Date Collected: 9/8/2008 11:55 Matrix: Solid

Sample ID: **C-SS15[6]** Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	14.6		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	85.4		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Lead, Total	58		mg/kg	2	SW846 6010C	9/17/08	CMD	9/22/08 10:46	TED	A1	

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9754150 Soils-Lead, Arsenic

Lab ID: 9754150002 Date Collected: 9/8/2008 11:57 Matrix: Solid
Sample ID: C-SS15[18] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	15.7		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	84.3		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Lead, Total	244		mg/kg	2	SW846 6010C	9/17/08	CMD	9/22/08 10:50	TED	A1	

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9754150 Soils-Lead, Arsenic

Lab ID: 9754150003 Date Collected: 9/8/2008 11:43 Matrix: Solid
Sample ID: C-SS16[6] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	22.6		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	77.4		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Lead, Total	35		mg/kg	2	SW846 6010C	9/17/08	CMD	9/22/08 10:55	TED	A1	

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9754150 Soils-Lead, Arsenic

Lab ID: 9754150004 Date Collected: 9/8/2008 11:45 Matrix: Solid
Sample ID: C-SS16[18] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	18.0		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	82.0		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Arsenic, Total	6		mg/kg	3	SW846 6010C	9/17/08	CMD	9/22/08 11:00	TED	A1	
Lead, Total	38		mg/kg	2	SW846 6010C	9/17/08	CMD	9/22/08 11:00	TED	A1	

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9754150 Soils-Lead, Arsenic

Lab ID: 9754150005 Date Collected: 9/8/2008 10:40 Matrix: Solid

Sample ID: C-SS17[6] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	14.1		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	85.9		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Lead, Total	24		mg/kg	2	SW846 6010C	9/17/08	CMD	9/22/08 11:04	TED	A1	

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9754150 Soils-Lead, Arsenic

Lab ID: **9754150006** Date Collected: 9/8/2008 10:42 Matrix: Solid

Sample ID: **C-SS17[18]** Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	11.3		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	88.7		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Lead, Total	17		mg/kg	2	SW846 6010C	9/17/08	CMD	9/22/08 11:09	TED	A1	

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9754150 Soils-Lead, Arsenic

Lab ID: 9754150007 Date Collected: 9/8/2008 10:55 Matrix: Solid
Sample ID: C-SS18[6] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	16.3		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	83.7		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Lead, Total	353		mg/kg	2	SW846 6010C	9/17/08	CMD	9/22/08 11:13	TED	A1	

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9754150 Soils-Lead, Arsenic

Lab ID: 9754150008 Date Collected: 9/8/2008 10:58 Matrix: Solid
Sample ID: C-SS18[18] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	16.0		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	84.0		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Lead, Total	87		mg/kg	2	SW846 6010C	9/17/08	CMD	9/22/08 11:27	TED	A1	

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9754150 Soils-Lead, Arsenic

Lab ID: 9754150009 Date Collected: 9/8/2008 11:00 Matrix: Solid
Sample ID: C-SS19[6] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	13.5		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	86.5		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Lead, Total	168		mg/kg	2	SW846 6010C	9/17/08	CMD	9/22/08 11:31	TED	A1	

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9754150 Soils-Lead, Arsenic

Lab ID: 9754150010 Date Collected: 9/8/2008 11:02 Matrix: Solid
Sample ID: C-SS19[18] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	21.0		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	79.0		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Arsenic, Total	6		mg/kg	3	SW846 6010C	9/17/08	CMD	9/22/08 11:36	TED	A1	
Lead, Total	89		mg/kg	2	SW846 6010C	9/17/08	CMD	9/22/08 11:36	TED	A1	

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9754150 Soils-Lead, Arsenic

Lab ID: 9754150011 Date Collected: 9/8/2008 11:22 Matrix: Solid
Sample ID: C-SS20[6] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	14.2		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	85.8		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Lead, Total	32		mg/kg	2	SW846 6010C	9/17/08	CMD	9/22/08 11:40	TED	A1	

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9754150 Soils-Lead, Arsenic

Lab ID: 9754150012 Date Collected: 9/8/2008 11:24 Matrix: Solid
Sample ID: C-SS20[18] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	16.4		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	83.6		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Lead, Total	17		mg/kg	2	SW846 6010C	9/17/08	CMD	9/19/08 05:49	SRT	A1	

Sample Comments:

Anna G Milliken
Laboratory Manager

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 2
Courier:
Tracking #:
9754150

Co. Name: ARM Group
Contact (Report to): Dan Butterbaugh Phone: 508-0532
Address: 1129 W. Governor Rd
PO Box 797
Hershey PA 17033

Bill to (if different than Report to): PO#:

Project Name/#: NWT / 07214 ALSI Quote #: 52612

TAT: ✓ Normal-Standard TAT is 10-12 business days. Date Required:
Rush-Subject to ALSI approval and surcharges. Approved By:

Email? ✓ -Y dbutterbaugh@armgroup.net
Fax? -Y No.:

***Container Type: G
***Container Size: 4oz
Preservative: —

ANALYSES/METHOD REQUESTED: Total Pb; Arsenic

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Total Pb	Arsenic																					
							Enter Number of Containers Per Analysis																						
1	~~C-SS 15 (6")~~	C-SS15 (6")	9/8/08	1155	G	S	1																						
2	~~C-SS 15 (18")~~	C-SS15 (18")		1157	G	S	1																						
3	C-SS 16 (6")			1143	G	S	1																						
4	C-SS 16 (18")			1145	G	S	1	1																					
5	C-SS 17 (6")			1040	G	S	1																						
6	C-SS 17 (18")			1042	G	S	1																						
7	C-SS 18 (6")			1055	G	S	1																						
8	C-SS 18 (18")			1058	G	S	1																						

Performed by:
Cooler Temp.: 3°
Therm. ID: S1023859
No. of Coolers:
Notes:

Correct containers?	Y	Y	Y	Y
Correct sample volume?	Y	Y	Y	Y
Correct preservation?	Y	Y	Y	Y
Headspace/Volatiles?	N	N	N	N
Circle appropriate Y or N.				
Custody seals Present?	Y	Y	Y	Y
(If present) Seals intact?	Y	Y	Y	Y
Received on Ice?	Y	Y	Y	Y
COC/Labels complete/accurate?	Y	Y	Y	Y
Container in good condition?	Y	Y	Y	Y

SAMPLED BY (Please Print): D Butterbaugh
LOGGED BY (signature): DATE 9-11-08 TIME 1713
REVIEWED BY (signature): DATE 09/15/08 TIME 1036

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	9/11/08	1200	2 ALSI	9/11/08	1155
3			4		
5			6		
7			8		
9			10		

Data Deliverables: ✓ Standard; CLP-like; NJ-Reduced; NJ-Full; other
EDDs Required? If yes, format type:
DOD Criteria Required?
SDWA Format? yes / yes / yes / yes
State Samples Collected in? MD / NJ / NY / PA / Other
ALSI FIELD SERVICES: Pickup; Labor; Composite Sampling; Rental Equipment; Other:

*G=Grab; C=Composite **Matrix: Al=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY ***Container Type: AG=Amber Glass; CG=Clear Glass, PL=Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc. Rev 0/07

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 2 of 2
Courier:
Tracking #:
COC# 9754150

Co. Name: ARM Group
Contact (Report to): Dan Butebaugh Phone:
Address: 1129 W. Governor Rd, PO Box 797, Hershey PA 17033
Bill to (if different than Report to): PO#:
Project Name/#: NWT/07214 ALSI Quote #: 5212
TAT: [✓] Normal-Standard TAT is 10-12 business days. [ ] Rush-Subject to ALSI approval and surcharges.
Date Required:
Approved By:
Email? [✓] Y dbutebaugh@armgroup.net
Fax? [ ] Y No:

**Container Type	G
**Container Size	4oz
***Preservative	—

ANALYSES/METHOD REQUESTED: Total Pb; Arsenic

Enter Number of Containers Per Analysis

#	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Total Pb	Arsenic
1	C-SS 19 (6")		9/7/07	1100	G	S	1	
2	C-SS 19 (18")			1102	G	S	1	1
3	C-SS 20 (6")			1122	G	S	1	
4	C-SS 20 (18")			1124	G	S	1	
5								
6								
7								
8								

Receipt Information (completed by Sample Receiving)
Performed by: [signature]
Cooler Temp: 3°
Therm. ID: 5102359
No. of Coolers:
Notes:

Check	Response
Correct containers?	Y (circled)
Correct sample volume?	Y (circled)
Correct preservation?	Y (circled)
Headspace/Volatiles?	—
Custody seals Present?	N (circled)
(If present) Seals intact?	N (circled)
Received on ice?	Y (circled)
COC/Labels complete/accurate?	Y (circled)
Container in good condition?	Y (circled)

Circle appropriate Y or N.

SAMPLED BY (Please Print): D Butebaugh
LOGGED BY (signature): [signature] 9/11/07 1713
REVIEWED BY (signature): [signature] 9/11/07 1037

#	Relinquished By / Company Name	Date	Time	#	Received By / Company Name	Date	Time
1	[signature]	9/11/07	1200	2	[signature] ALSI	9/11/07	1155
3				4			
5				6			
7				8			
9				10			

Data Deliverables: [✓] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] other
EDDs Required? [ ] If yes, format type:
SDWA Forms? yes [ ] yes [ ] yes [ ] yes [ ] Other
State Samples Collected In? MD [ ] NJ [ ] NY [ ] PA [ ]
Standard PWSID No:
DOD Criteria Required?

ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite
**Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz, etc. Preservative: HCl, HNO3, NaOH, etc.

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Certificate of Analysis

Project Name:	NWT York/07214	Workorder:	9754148
Purchase Order:	07214	Workorder ID:	Soils-Arsenic,Cr+6

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

September 23, 2008

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Thursday, September 11, 2008

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAC accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALSI.

NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Steve Fulton

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Laboratory Manager

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SAMPLE SUMMARY

Workorder: 9754148 Soils-Arsenic,Cr+6 Discard Date: 10/07/2008

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9754148001	43-01-SS13[20]	Solid	9/10/08 13:58	9/11/08 11:55	Dan Buterbaugh
9754148002	43-01-SS14[6]	Solid	9/10/08 15:07	9/11/08 11:55	Dan Buterbaugh
9754148003	43-01-SS14[12]	Solid	9/10/08 15:08	9/11/08 11:55	Dan Buterbaugh
9754148004	43-01-SS15[20]	Solid	9/10/08 15:15	9/11/08 11:55	Dan Buterbaugh

Workorder Comments:

Notes

-- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9754148 Soils-Arsenic,Cr+6

Lab ID: 9754148001 Date Collected: 9/10/2008 13:58 Matrix: Solid
Sample ID: 43-01-SS13[20] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Moisture	23.7		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	76.3		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Arsenic, Total	77	1	mg/kg	3	SW846 6010C	9/17/08	CMD	9/22/08 10:09	TED	A1	

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9754148 Soils-Arsenic,Cr+6

Lab ID: 9754148002 Date Collected: 9/10/2008 15:07 Matrix: Solid
Sample ID: 43-01-SS14[6] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Hexavalent Chromium	ND		mg/kg	2.2	SW846 7196A	9/16/08	LMM	9/16/08 14:00	LMM	A1	
Moisture	11.1		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	88.9		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Arsenic, Total	8		mg/kg	3	SW846 6010C	9/17/08	CMD	9/22/08 10:37	TED	A2	

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9754148 Soils-Arsenic,Cr+6

Lab ID: 9754148003 Date Collected: 9/10/2008 15:08 Matrix: Solid
Sample ID: 43-01-SS14[12] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Hexavalent Chromium	ND		mg/kg	2.2	SW846 7196A	9/16/08	LMM	9/16/08 14:00	LMM	A1	
Moisture	10.3		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	89.7		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
METALS											
Arsenic, Total	17		mg/kg	3	SW846 6010C	9/17/08	CMD	9/22/08 10:41	TED	A2	

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9754148 Soils-Arsenic,Cr+6

Lab ID: 9754148004 Date Collected: 9/10/2008 15:15 Matrix: Solid

Sample ID: 43-01-SS15[20] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
WET CHEMISTRY											
Hexavalent Chromium	ND		mg/kg	2.3	SW846 7196A	9/16/08	LMM	9/16/08 14:00	LMM	A1	
Moisture	14.4		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	
Total Solids	85.6		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A	

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS QUALIFIERS\FLAGS

Workorder: 9754148 Soils-Arsenic,Cr+6

PARAMETER QUALIFIERS\FLAGS

[1] The recovery of the Matrix Spike (MS) associated to this analyte was outside of the established control limits. The sample was post-digestion spiked, and this matrix spike was within acceptable recovery limits.

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 1
Courier:
Tracking #:
9754148

Co. Name: ARM Group
Contact (Report to): DButterbaugh
Phone:
Address: 1129 W. Governor Rd
PO Box 797
Hershey PA 17033

Bill to (if different than Report to):
PO#:

Project Name/#: NWT / 07214
ALSI Quote #: 52613

TAT: ☑ Normal-Standard TAT is 10-12 business days. ☐ Rush-Subject to ALSI approval and surcharges.
Date Required:
Approved By:

Email? ☑ Y dbutterbaugh@armgroup.net
Fax? ☐ Y No.:

Inventory (to be filled in Receiving)
Performed by: Andy
Cooler Temp: 3
Therm. ID: 5102359
No. of Coolers:
Notes:

ANALYSES/METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Chromium 6	Arsenic																
	Container Type						PLG																	
	Container Size						4 oz																	
	Preservative						—																	
1	43-01-SS13 (20")		9/10/08	1358	G	S		1																
2	43-01-SS14 (6")			1507	G	S	1	1																
3	43-01-SS14 (12")			1508	G	S	1	1																
4	43-01-SS15 (20")			1515	G	S	1																	
5																								
6																								
7																								
8																								

Enter Number of Containers Per Analysis

	Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Circle appropriate Y or N.
	N	N	N	N	
	Y	Y	Y	Y	
	Y	Y	Y	Y	
	Y	Y	Y	Y	
	Y	Y	Y	Y	

	Custody seals Present?	(if present) Seals intact?	Received on ice?	COC/Labels complete/accurate?	Container in good condition?
	Y	Y	Y	Y	Y
	Y	Y	Y	Y	Y
	Y	Y	Y	Y	Y
	Y	Y	Y	Y	Y

SAMPLED BY (Please Print): DButterbaugh
LOGGED BY (signature): Date 9-11-08 Time 1704
REVIEWED BY (signature): Date 09/12/08 Time 1551

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	9/11/08	1155	2 ALSI	9/11/08	1155
3			4		
5			6		
7			8		
9			10		

Data Deliverables: ☑ Standard ☐ CLP-like ☐ NJ-Reduced ☐ NJ-Full ☐ Other
EDDs Required? ☐ If yes, format type:
DOD Criteria Required?

SDWA Form 7: yes ☐ yes ☐ yes ☐ yes ☐
State Samples Collected In? MD ☐ NJ ☐ NY ☐ PA ☐ Other
Sent to CWSID No.:

ALSI FIELD SERVICES: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other:

*G=Grab; C=Composite **Matrix: A=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY ***Container Type: AG=Amber Glass; CG=Clear Glass, PL=Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc. Rev 6/07

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Certificate of Analysis

Project Name:	YORK RDA - NORTHWEST	Workorder:	9754147
Purchase Order:	07214	Workorder ID:	Soils RCRA Metals,SVOCs

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

September 25, 2008

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Thursday, September 11, 2008

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAC accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALSI.

NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

Anna Milliken

Anna G Milliken
Laboratory Manager

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

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SAMPLE SUMMARY

Workorder: 9754147 Soils RCRA Metals,SVOCs

Discard Date: 10/09/2008

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9754147001	Y-S1[3]	Solid	9/8/08 08:40	9/11/08 11:55	Dan Buterbaugh
9754147002	Y-S3[3]	Solid	9/8/08 09:05	9/11/08 11:55	Dan Buterbaugh
9754147003	Y-S3[5]	Solid	9/8/08 09:10	9/11/08 11:55	Dan Buterbaugh
9754147004	Y-S6[4]	Solid	9/8/08 10:00	9/11/08 11:55	Dan Buterbaugh

Workorder Comments:

Notes

-- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9754147 Soils RCRA Metals,SVOCs

Lab ID: 9754147001 Date Collected: 9/8/2008 08:40 Matrix: Solid

Sample ID: Y-S1[3] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES										
Acenaphthene	ND		ug/kg	395	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Acenaphthylene	1160		ug/kg	395	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Anthracene	832		ug/kg	395	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Benzo(a)anthracene	2470		ug/kg	395	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Benzo(a)pyrene	3490		ug/kg	395	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Benzo(b)fluoranthene	4780		ug/kg	395	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Benzo(g,h,i)perylene	2460		ug/kg	395	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Benzo(k)fluoranthene	4200		ug/kg	395	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
4-Bromophenyl-phenylether	ND		ug/kg	564	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Butylbenzylphthalate	ND		ug/kg	564	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Carbazole	ND		ug/kg	564	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
4-Chloro-3-methylphenol	ND		ug/kg	1520	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
4-Chloroaniline	ND		ug/kg	1520	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Bis(2-Chloroethoxy)methane	ND		ug/kg	564	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Bis(2-Chloroethyl)ether	ND		ug/kg	564	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
bis(2-Chloroisopropyl)ether	ND		ug/kg	564	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
2-Chloronaphthalene	ND		ug/kg	564	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
2-Chlorophenol	ND		ug/kg	1520	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
4-Chlorophenyl-phenylether	ND		ug/kg	564	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Chrysene	3750		ug/kg	395	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
mp-Cresol	ND		ug/kg	1520	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
o-Cresol	ND		ug/kg	1520	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Di-n-Butylphthalate	ND		ug/kg	564	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Di-n-Octylphthalate	ND		ug/kg	1520	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Dibenzo(a,h)anthracene	701		ug/kg	395	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Dibenzofuran	ND		ug/kg	564	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
1,2-Dichlorobenzene	ND		ug/kg	564	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
1,3-Dichlorobenzene	ND		ug/kg	564	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
1,4-Dichlorobenzene	ND		ug/kg	564	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
3,3-Dichlorobenzidine	ND		ug/kg	3220	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
2,4-Dichlorophenol	ND		ug/kg	1520	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Diethylphthalate	ND		ug/kg	564	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
2,4-Dimethylphenol	ND		ug/kg	1520	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Dimethylphthalate	ND		ug/kg	564	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
2,4-Dinitrophenol	ND		ug/kg	3050	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
2,4-Dinitrotoluene	ND		ug/kg	564	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
2,6-Dinitrotoluene	ND		ug/kg	564	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
bis(2-Ethylhexyl)phthalate	ND		ug/kg	564	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Fluoranthene	5600		ug/kg	395	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Fluorene	ND		ug/kg	395	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Hexachlorobenzene	ND		ug/kg	564	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Hexachlorobutadiene	ND		ug/kg	564	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Hexachlorocyclopentadiene	ND		ug/kg	1520	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Hexachloroethane	ND		ug/kg	564	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Indeno(1,2,3-cd)pyrene	2420		ug/kg	395	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Isophorone	ND		ug/kg	564	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1

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ANALYTICAL RESULTS

Workorder: 9754147 Soils RCRA Metals,SVOCs

Lab ID: 9754147001 Date Collected: 9/8/2008 08:40 Matrix: Solid
Sample ID: Y-S1[3] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
2-Methyl-4,6-dinitrophenol	ND		ug/kg	1520	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
2-Methylnaphthalene	ND		ug/kg	395	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Naphthalene	ND		ug/kg	395	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
2-Nitroaniline	ND		ug/kg	564	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
3-Nitroaniline	ND		ug/kg	1520	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
4-Nitroaniline	ND		ug/kg	1520	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Nitrobenzene	ND		ug/kg	564	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
2-Nitrophenol	ND		ug/kg	1520	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
4-Nitrophenol	ND		ug/kg	3050	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
N-Nitroso-di-n-propylamine	ND		ug/kg	564	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
N-Nitrosodiphenylamine	ND		ug/kg	564	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Pentachlorophenol	ND		ug/kg	3050	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Phenanthrene	1470		ug/kg	395	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Phenol	ND		ug/kg	1520	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Pyrene	4360		ug/kg	395	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
1,2,4-Trichlorobenzene	ND		ug/kg	564	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
2,4,5-Trichlorophenol	ND		ug/kg	1520	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
2,4,6-Trichlorophenol	ND		ug/kg	1520	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	89		%	24-130	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
2-Fluorobiphenyl (S)	83		%	40-113	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
2-Fluorophenol (S)	81		%	25-110	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Nitrobenzene-d5 (S)	80		%	36-113	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Phenol-d5 (S)	75		%	28-111	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
Terphenyl-d14 (S)	71		%	35-135	SW846 8270D	9/15/08	KMC	9/25/08 12:28	JDA	A1
WET CHEMISTRY										
Moisture	11.7		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A
Total Solids	88.3		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A
METALS										
Arsenic, Total	10		mg/kg	3	SW846 6010C	9/17/08	CMD	9/22/08 09:50	TED	A3
Barium, Total	117		mg/kg	1	SW846 6010C	9/17/08	CMD	9/22/08 09:50	TED	A3
Cadmium, Total	0.6		mg/kg	0.2	SW846 6010C	9/17/08	CMD	9/22/08 09:50	TED	A3
Chromium, Total	14.2		mg/kg	1.0	SW846 6010C	9/17/08	CMD	9/22/08 09:50	TED	A3
Lead, Total	67		mg/kg	2	SW846 6010C	9/17/08	CMD	9/22/08 09:50	TED	A3
Mercury, Total	ND		mg/kg	0.20	SW846 7471B	9/22/08	MNP	9/24/08 01:42	MNP	A5
Selenium, Total	ND		mg/kg	5	SW846 6010C	9/17/08	CMD	9/22/08 09:50	TED	A3
Silver, Total	ND		mg/kg	0.5	SW846 6010C	9/17/08	CMD	9/22/08 09:50	TED	A3

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9754147 Soils RCRA Metals,SVOCs

Lab ID:	9754147001	Date Collected:	9/8/2008 08:40	Matrix:	Solid
Sample ID:	Y-S1[3]	Date Received:	9/11/2008 11:55		

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9754147 Soils RCRA Metals,SVOCs

Lab ID: 9754147002 Date Collected: 9/8/2008 09:05 Matrix: Solid

Sample ID: Y-S3[3] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	18.8		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A
Total Solids	81.2		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A
METALS										
Arsenic, Total	18		mg/kg	4	SW846 6010C	9/17/08	CMD	9/22/08 09:55	TED	A2
Barium, Total	107		mg/kg	1	SW846 6010C	9/17/08	CMD	9/22/08 09:55	TED	A2
Cadmium, Total	1.1		mg/kg	0.2	SW846 6010C	9/17/08	CMD	9/22/08 09:55	TED	A2
Chromium, Total	29.9		mg/kg	1.2	SW846 6010C	9/17/08	CMD	9/22/08 09:55	TED	A2
Lead, Total	121		mg/kg	2	SW846 6010C	9/17/08	CMD	9/22/08 09:55	TED	A2
Mercury, Total	ND		mg/kg	0.22	SW846 7471B	9/22/08	MNP	9/24/08 01:53	MNP	A4
Selenium, Total	ND		mg/kg	6	SW846 6010C	9/17/08	CMD	9/22/08 09:55	TED	A2
Silver, Total	ND		mg/kg	0.6	SW846 6010C	9/17/08	CMD	9/22/08 09:55	TED	A2

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9754147 Soils RCRA Metals,SVOCs

Lab ID: 9754147003 Date Collected: 9/8/2008 09:10 Matrix: Solid

Sample ID: Y-S3[5] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES										
Acenaphthene	ND		ug/kg	96	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Acenaphthylene	ND		ug/kg	96	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Anthracene	ND		ug/kg	96	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Benzo(a)anthracene	422		ug/kg	96	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Benzo(a)pyrene	337		ug/kg	96	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Benzo(b)fluoranthene	488		ug/kg	96	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Benzo(g,h,i)perylene	310		ug/kg	96	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Benzo(k)fluoranthene	429		ug/kg	96	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
4-Bromophenyl-phenylether	ND		ug/kg	137	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Butylbenzylphthalate	ND		ug/kg	137	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Carbazole	ND		ug/kg	137	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
4-Chloro-3-methylphenol	ND		ug/kg	369	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
4-Chloroaniline	ND		ug/kg	369	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Bis(2-Chloroethoxy)methane	ND		ug/kg	137	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Bis(2-Chloroethyl)ether	ND		ug/kg	137	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
bis(2-Chloroisopropyl)ether	ND		ug/kg	137	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
2-Chloronaphthalene	ND		ug/kg	137	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
2-Chlorophenol	ND		ug/kg	369	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
4-Chlorophenyl-phenylether	ND		ug/kg	137	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Chrysene	511		ug/kg	96	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
mp-Cresol	ND		ug/kg	369	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
o-Cresol	ND		ug/kg	369	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Di-n-Butylphthalate	ND		ug/kg	137	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Di-n-Octylphthalate	ND		ug/kg	369	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Dibenzo(a,h)anthracene	ND		ug/kg	96	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Dibenzofuran	ND		ug/kg	137	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
1,2-Dichlorobenzene	ND		ug/kg	137	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
1,3-Dichlorobenzene	ND		ug/kg	137	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
1,4-Dichlorobenzene	ND		ug/kg	137	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
3,3-Dichlorobenzidine	ND		ug/kg	780	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
2,4-Dichlorophenol	ND		ug/kg	369	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Diethylphthalate	ND		ug/kg	137	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
2,4-Dimethylphenol	ND		ug/kg	369	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Dimethylphthalate	ND		ug/kg	137	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
2,4-Dinitrophenol	ND		ug/kg	739	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
2,4-Dinitrotoluene	ND		ug/kg	137	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
2,6-Dinitrotoluene	ND		ug/kg	137	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
bis(2-Ethylhexyl)phthalate	ND		ug/kg	137	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Fluoranthene	889		ug/kg	96	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Fluorene	ND		ug/kg	96	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Hexachlorobenzene	ND		ug/kg	137	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Hexachlorobutadiene	ND		ug/kg	137	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Hexachlorocyclopentadiene	ND		ug/kg	369	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Hexachloroethane	ND		ug/kg	137	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Indeno(1,2,3-cd)pyrene	310		ug/kg	96	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Isophorone	ND		ug/kg	137	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1

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ANALYTICAL RESULTS

Workorder: 9754147 Soils RCRA Metals,SVOCs

Lab ID: 9754147003 Date Collected: 9/8/2008 09:10 Matrix: Solid

Sample ID: Y-S3[5] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
2-Methyl-4,6-dinitrophenol	ND		ug/kg	369	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
2-Methylnaphthalene	ND		ug/kg	96	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Naphthalene	ND		ug/kg	96	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
2-Nitroaniline	ND		ug/kg	137	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
3-Nitroaniline	ND		ug/kg	369	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
4-Nitroaniline	ND		ug/kg	369	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Nitrobenzene	ND		ug/kg	137	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
2-Nitrophenol	ND		ug/kg	369	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
4-Nitrophenol	ND		ug/kg	739	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
N-Nitroso-di-n-propylamine	ND		ug/kg	137	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
N-Nitrosodiphenylamine	ND		ug/kg	137	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Pentachlorophenol	ND		ug/kg	739	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Phenanthrene	252		ug/kg	96	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Phenol	ND		ug/kg	369	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Pyrene	738		ug/kg	96	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
1,2,4-Trichlorobenzene	ND		ug/kg	137	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
2,4,5-Trichlorophenol	ND		ug/kg	369	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
2,4,6-Trichlorophenol	ND		ug/kg	369	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	77		%	24-130	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
2-Fluorobiphenyl (S)	69		%	40-113	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
2-Fluorophenol (S)	72		%	25-110	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Nitrobenzene-d5 (S)	71		%	36-113	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Phenol-d5 (S)	70		%	28-111	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
Terphenyl-d14 (S)	66		%	35-135	SW846 8270D	9/15/08	KMC	9/25/08 13:17	JDA	A1
WET CHEMISTRY										
Moisture	26.9		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A
Total Solids	73.1		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A
METALS										
Arsenic, Total	18		mg/kg	4	SW846 6010C	9/17/08	CMD	9/22/08 10:00	TED	A3
Barium, Total	73		mg/kg	1	SW846 6010C	9/17/08	CMD	9/22/08 10:00	TED	A3
Cadmium, Total	0.5		mg/kg	0.3	SW846 6010C	9/17/08	CMD	9/22/08 10:00	TED	A3
Chromium, Total	11.6		mg/kg	1.3	SW846 6010C	9/17/08	CMD	9/22/08 10:00	TED	A3
Lead, Total	54		mg/kg	3	SW846 6010C	9/17/08	CMD	9/22/08 10:00	TED	A3
Mercury, Total	0.31		mg/kg	0.24	SW846 7471B	9/22/08	MNP	9/24/08 01:57	MNP	A5
Selenium, Total	ND		mg/kg	6	SW846 6010C	9/17/08	CMD	9/22/08 10:00	TED	A3
Silver, Total	ND		mg/kg	0.6	SW846 6010C	9/17/08	CMD	9/22/08 10:00	TED	A3

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9754147 Soils RCRA Metals,SVOCs

Lab ID:	9754147003	Date Collected:	9/8/2008 09:10	Matrix:	Solid
Sample ID:	Y-S3[5]	Date Received:	9/11/2008 11:55		

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9754147 Soils RCRA Metals,SVOCs

Lab ID: 9754147004 Date Collected: 9/8/2008 10:00 Matrix: Solid
Sample ID: Y-S6[4] Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	21.1		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A
Total Solids	78.9		%	0.1	SM20-2540 G			9/11/08 22:15	MBR	A
METALS										
Arsenic, Total	9		mg/kg	4	SW846 6010C	9/17/08	CMD	9/22/08 10:04	TED	A1
Barium, Total	92		mg/kg	1	SW846 6010C	9/17/08	CMD	9/22/08 10:04	TED	A1
Cadmium, Total	1.8		mg/kg	0.2	SW846 6010C	9/17/08	CMD	9/22/08 10:04	TED	A1
Chromium, Total	37.0		mg/kg	1.2	SW846 6010C	9/17/08	CMD	9/22/08 10:04	TED	A1
Lead, Total	145		mg/kg	2	SW846 6010C	9/17/08	CMD	9/22/08 10:04	TED	A1
Mercury, Total	0.51		mg/kg	0.23	SW846 7471B	9/22/08	MNP	9/24/08 02:00	MNP	A3
Selenium, Total	ND		mg/kg	6	SW846 6010C	9/17/08	CMD	9/22/08 10:04	TED	A1
Silver, Total	1		mg/kg	0.6	SW846 6010C	9/17/08	CMD	9/22/08 10:04	TED	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page: 1 of 1
Courier:
Tracking #:

97541147

Co. Name: ARM Group
Contact (Report to): Dan Buterbaugh
Phone: 508-0532
Address: 1129 W. Governor Rd
PO Box 797
Hershey PA 17033

Bill to (if different than Report to):
PO#:

Project Name/#: 07214/NWT
ALSI Quote #: 47481

TAT: ☑ Normal-Standard TAT is 10-12 business days. ☐ Rush-Subject to ALSI approval and surcharges.
Date Required:
Approved By:

Email? ☑ -Y dbuterbaugh@armgroup.net
Fax? ☐ -Y No.:

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	RCRA Metals (8-PAH)	TCL Semi-volatiles																
							Enter Number of Containers Per Analysis																	
1	Y-S1 (3')		9/2/08	0840	C	So	1	1																
2	Y-S3 (3')		9/4/08	0905	C	So	1																	
3	Y-S3 (5')		9/4/08	0910	C	So	1	1																
4	Y-S6 (4')		9/3/08	1000	C	So	1																	
5																								
6																								
7	Don't run extra samples DB																							
8																								

***Container Type: G
***Container Size: 4oz
Preservative: 1

Cooler Temp: 3°
Therm. ID: 51023959
No. of Coolers:
Notes:

	Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Circle appropriate Y or N.
	N	N	N	N	
	Y	Y	Y	Y	
	N	N	N	N	
	Y	Y	Y	Y	

	Custody seals Present?	(if present) Seals Intact?	Received on Ice?	COC/Labels complete/accurate?	Container in good condition?
	Y	Y	Y	Y	Y

SAMPLED BY (Please Print): Dan Buterbaugh
LOGGED BY (signature): DATE 9/11/08 TIME 8:59
REVIEWED BY (signature): DATE 9/12/08 TIME 8:15

Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	9/11/08	1155	2	ALSI	9/11/08	1155
3			4			
5			6			
7			8			
9			10			

Data Deliverables: ☑ Standard ☐ CLP-like ☐ NJ-Reduced ☐ NJ-Full ☐ ____
EDDs Required? ☐ If yes, format type:
SDWA Formats? yes ☐ yes ☐ yes ☐ yes ☐
State Samples Collected In? MD ☐ NJ ☐ NY ☐ PA ☐
Other
DOD Criteria Required?

ALSI FIELD SERVICES: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other:

*G=Grab; C=Composite
**Matrix: Al=Air; DW=Drinking Water; GW=Groundwater; Oil=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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Certificate of Analysis

Project Name:	NWT-YORK	Workorder:	9778453
Purchase Order:	07214	Workorder ID:	NWT-YORK

Mr. Steve Fulton
ARM Group
1129 W. Governor Road
PO Box 797
Hershey, PA 17033

March 9, 2009

Dear Mr. Fulton,

Enclosed are the analytical results for samples received by the laboratory on Thursday, March 05, 2009

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAC accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALSI.

NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Dan Buterbaugh

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Laboratory Manager

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SAMPLE SUMMARY

Workorder: 9778453 NWT-YORK Discard Date: 03/23/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9778453001	KCW-S1 [6"] 3-09	Solid	3/5/09 14:05	3/5/09 17:59	Dan Buterbaugh
9778453002	KCW-S2 [12"] 3-09	Solid	3/5/09 14:09	3/5/09 17:59	Dan Buterbaugh
9778453003	KCW-S3 [12"] 3-09	Solid	3/5/09 14:11	3/5/09 17:59	Dan Buterbaugh
9778453004	KCW-S4 [12"] 3-09	Solid	3/5/09 14:12	3/5/09 17:59	Dan Buterbaugh
9778453005	KCW-S5 [10"] 3-09	Solid	3/5/09 14:12	3/5/09 17:59	Dan Buterbaugh
9778453006	KCW-S6 [12"] 3-09	Solid	3/5/09 14:15	3/5/09 17:59	Dan Buterbaugh
9778453007	KCW-S7 [8"] 3-09	Solid	3/5/09 14:16	3/5/09 17:59	Dan Buterbaugh
9778453008	KCW-S8 [8"] 3-09	Solid	3/5/09 14:18	3/5/09 17:59	Dan Buterbaugh
9778453009	KCW-S9 [8"] 3-09	Solid	3/5/09 14:20	3/5/09 17:59	Dan Buterbaugh

Workorder Comments:

Notes

-- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9778453 NWT-YORK

Lab ID: **9778453001** Date Collected: 3/5/2009 14:05 Matrix: Solid
Sample ID: **KCW-S1 [6"] 3-09** Date Received: 3/5/2009 17:59

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	27.0		%	0.1	SM20-2540 G			3/5/09 23:40	MBR	A
Total Solids	73.0		%	0.1	SM20-2540 G			3/5/09 23:40	MBR	A
METALS										
Lead, Total	423	1	mg/kg	5.5	SW846 6010C	3/6/09	MNP	3/9/09 05:08	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9778453 NWT-YORK

Lab ID: **9778453002** Date Collected: 3/5/2009 14:09 Matrix: Solid
Sample ID: **KCW-S2 [12"] 3-09** Date Received: 3/5/2009 17:59

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	23.2		%	0.1	SM20-2540 G			3/5/09 23:40	MBR	A
Total Solids	76.8		%	0.1	SM20-2540 G			3/5/09 23:40	MBR	A
METALS										
Lead, Total	653		mg/kg	2.2	SW846 6010C	3/6/09	MNP	3/9/09 03:22	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9778453 NWT-YORK

Lab ID: **9778453003** Date Collected: 3/5/2009 14:11 Matrix: Solid
Sample ID: **KCW-S3 [12"] 3-09** Date Received: 3/5/2009 17:59

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	22.5		%	0.1	SM20-2540 G			3/5/09 23:40	MBR	A
Total Solids	77.5		%	0.1	SM20-2540 G			3/5/09 23:40	MBR	A
METALS										
Lead, Total	488		mg/kg	2.5	SW846 6010C	3/6/09	MNP	3/9/09 03:26	SRT	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9778453 NWT-YORK

Lab ID: **9778453004** Date Collected: 3/5/2009 14:12 Matrix: Solid
Sample ID: **KCW-S4 [12"] 3-09** Date Received: 3/5/2009 17:59

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	25.7		%	0.1	SM20-2540 G			3/5/09 23:40	MBR	A
Total Solids	74.3		%	0.1	SM20-2540 G			3/5/09 23:40	MBR	A
METALS										
Lead, Total	553		mg/kg	2.7	SW846 6010C	3/6/09	MNP	3/9/09 03:30	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9778453 NWT-YORK

Lab ID: **9778453005** Date Collected: 3/5/2009 14:12 Matrix: Solid
Sample ID: **KCW-S5 [10"] 3-09** Date Received: 3/5/2009 17:59

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	15.7		%	0.1	SM20-2540 G			3/5/09 23:40	MBR	A
Total Solids	84.3		%	0.1	SM20-2540 G			3/5/09 23:40	MBR	A
METALS										
Lead, Total	80.4		mg/kg	2.0	SW846 6010C	3/6/09	MNP	3/9/09 03:34	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9778453 NWT-YORK

Lab ID: **9778453006** Date Collected: 3/5/2009 14:15 Matrix: Solid
Sample ID: **KCW-S6 [12"] 3-09** Date Received: 3/5/2009 17:59

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	19.1		%	0.1	SM20-2540 G			3/5/09 23:40	MBR	A
Total Solids	80.9		%	0.1	SM20-2540 G			3/5/09 23:40	MBR	A
METALS										
Lead, Total	93.3		mg/kg	2.4	SW846 6010C	3/6/09	MNP	3/9/09 03:38	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9778453 NWT-YORK

Lab ID: **9778453007** Date Collected: 3/5/2009 14:16 Matrix: Solid

Sample ID: **KCW-S7 [8"] 3-09** Date Received: 3/5/2009 17:59

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	24.3		%	0.1	SM20-2540 G			3/5/09 23:40	MBR	A
Total Solids	75.7		%	0.1	SM20-2540 G			3/5/09 23:40	MBR	A
METALS										
Lead, Total	215		mg/kg	2.1	SW846 6010C	3/6/09	MNP	3/9/09 03:50	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9778453 NWT-YORK

Lab ID: **9778453008** Date Collected: 3/5/2009 14:18 Matrix: Solid
Sample ID: **KCW-S8 [8"] 3-09** Date Received: 3/5/2009 17:59

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	23.5		%	0.1	SM20-2540 G			3/5/09 23:40	MBR	A
Total Solids	76.5		%	0.1	SM20-2540 G			3/5/09 23:40	MBR	A
METALS										
Lead, Total	370		mg/kg	2.4	SW846 6010C	3/6/09	MNP	3/9/09 03:54	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9778453 NWT-YORK

Lab ID: **9778453009** Date Collected: 3/5/2009 14:20 Matrix: Solid
Sample ID: **KCW-S9 [8"] 3-09** Date Received: 3/5/2009 17:59

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	27.2		%	0.1	SM20-2540 G			3/5/09 23:40	MBR	A
Total Solids	72.8		%	0.1	SM20-2540 G			3/5/09 23:40	MBR	A
METALS										
Lead, Total	333		mg/kg	2.6	SW846 6010C	3/6/09	MNP	3/9/09 03:58	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS QUALIFIERS\FLAGS

Workorder: 9778453 NWT-YORK

PARAMETER QUALIFIERS\FLAGS

[1] The recovery of the Matrix Spike (MS) associated to this analyte was outside of the established control limits. The sample was post-digestion spiked, and this matrix spike was within acceptable recovery limits.

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Courier:
Tracking #:

Co. Name: ARM Group
Contact (Report to): D Butebaugh / S Fulton
Phone:
Address: Hershey PA

Bill to (if different than Report to):
PO#:

Project Name#: NWT York / 07214
ALSI Quote #:

TAT: [ ] Normal-Standard TAT is 10-12 business days. [X] Rush-Subject to ALSI approval and surcharges.
Date Required: 3/9/09
Approved By:

Email? [X] -Y dbutebaugh @ armgroup.net
Fax? [ ] -Y No.: Sfulton @ armgroup.net

***Container Type	G
***Container Size	8oz
Preservative	—

ANALYSES/METHOD REQUESTED

Enter Number of Containers Per Analysis

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Total lead
1	KCW-S1 (6") 3-09	00	3/5/09	1405	G	S	1
2	KCW-S2 (12") 3-09	01		1409			1
3	KCW-S3 (12") 3-09	32		1411			1
4	KCW-S4 (12") 3-09	41		1412			1
5	KCW-S5 (10") 3-09	22		1413			1
6	KCW-S6 (12") 3-09	21		1415			1
7	KCW-S7 (8") 3-09	90		1416			1
8	KCW-S8 (8") 3-09	80		1418			1

Receipt Information (completed by Sample Receiving)
Performed by: [signature]
Cooler Temp: 6°
Therm. ID: 51023559
No. of Coolers:
Notes:

Sample	Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Circle appropriate Y or N.
1	Y	Y	Y	Y	
2	N	N	N	N	
3	Y	Y	Y	Y	
4	Y	Y	Y	Y	
5	Y	Y	Y	Y	
6	Y	Y	Y	Y	
7	Y	Y	Y	Y	
8	Y	Y	Y	Y	

Custody seals Present? (if present) Seals intact? Received on ice? COC/Labels complete/accurate? Container in good condition?

SAMPLED BY (Please Print): D Butebaugh
LOGGED BY (signature): [signature] DATE 3/5 TIME 1800
REVIEWED BY (signature): DATE TIME

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 [signature]	3/5/09	1705	2 [signature] ALSI	3/5/09	1705
3			4		
5			6		
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] Other
SDWA Forms? yes [ ] yes [ ] yes [ ] yes [ ]
State Samples Collected In? MD [ ] NJ [ ] NY [ ] PA [ ]
Edits Required? [ ] If yes, format type: Other
SEND PINS ONLY
DOD Criteria Required?

ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite
**Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 1 — 2 — 2 — 03/10/09

Courier:

Tracking #: 9778953

Co. Name: ARM Group

Contact (Report to): D Butterbaugh / S Fulton

Address: Hershey PA

Phone:

Bill to (if different than Report to):

PO#:

Project Name/#: NWT York / 07214

ALSI Quote #:

TAT: [ ] Normal-Standard TAT is 10-12 business days. [X] Rush-Subject to ALSI approval and surcharges.

Date Required: 3/9/09

Approved By:

Email? [X] -Y dbutterbaugh@armgroup.net

Fax? [ ] -Y No.: sfulton@armgroup.net

***Container Type	G														
***Container Size	8oz														
*** Preservative	—														

ANALYSES/METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Total Lead									
1	KCW-59 (8") 3/09	SO	3/5/09	1420	G	S	1									
2																
3																
4																
5																
6																
7																
8																

Enter Number of Containers Per Analysis

Receipt Information (completed by Sample Receiving)

Performed by: [signature]

Cooler Temp: 6°

Therm. ID: 51023559

No. of Coolers:

Notes:

Sample	Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Circle appropriate Y or N.
1	Y	Y	Y	Y	
2	N	N	N	N	
3	Y	Y	Y	Y	Y
4					
5					
6					
7					
8					

Custody seals Present? (If present) Seals intact? Received on ice? COC/Labels complete/accurate? Container in good condition?

SAMPLED BY (Please Print): D Butterbaugh

LOGGED BY (signature): [signature] DATE 3/5 TIME 1820

REVIEWED BY (signature): DATE TIME

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	[signature]	3/5/09	1705	2	[signature] ALSI	3/5/09	1705
3				4			
5				6			
7				8			
9				10			

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ]

EDDs Required? [ ] If yes, format type:

SDWA Forms? yes [ ] yes [ ] yes [ ] yes [ ]

State Samples Collected In? MD [ ] NJ [ ] NY [ ] PA [ ]

Other

DOD Criteria Required?

ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite **Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY ***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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Certificate of Analysis

Project Name:	**NWT-YORK**	Workorder:	**9779604**
Purchase Order:	**07214**	Workorder ID:	**NWT-YORK**

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

March 13, 2009

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Thursday, March 12, 2009

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAC accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

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NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Steve Fulton

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Laboratory Manager

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SAMPLE SUMMARY

Workorder: 9779604 NWT-YORK

Discard Date: 03/27/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9779604001	Trestle South-S1[5]3-09	Solid	3/12/09 00:00	3/12/09 17:13	Dan Buterbaugh
9779604002	Trestle South-S2[5]3-09	Solid	3/12/09 00:00	3/12/09 17:13	Dan Buterbaugh

Workorder Comments:

Notes

- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9779604 NWT-YORK

Lab ID: **9779604001** Date Collected: 3/12/2009 00:00 Matrix: Solid

Sample ID: **Trestle South-S1[5]3-09** Date Received: 3/12/2009 17:13

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	17.3		%	0.1	SM20-2540 G			3/13/09 00:00	EL	A
Total Solids	82.7		%	0.1	SM20-2540 G			3/13/09 00:00	EL	A
METALS										
Arsenic, Total	18.5		mg/kg	3.2	SW846 6010C	3/13/09	SRT	3/13/09 05:27	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9779604 NWT-YORK

Lab ID: **9779604002** Date Collected: 3/12/2009 00:00 Matrix: Solid

Sample ID: **Trestle South-S2[5]3-09** Date Received: 3/12/2009 17:13

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	16.1		%	0.1	SM20-2540 G			3/13/09 00:00	EL	A
Total Solids	83.9		%	0.1	SM20-2540 G			3/13/09 00:00	EL	A
METALS										
Arsenic, Total	16.7		mg/kg	3.4	SW846 6010C	3/13/09	SRT	3/13/09 05:47	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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Certificate of Analysis

Project Name:	**NWT-YORK**	Workorder:	**9779310**
Purchase Order:	**07214**	Workorder ID:	**NWT-YORK**

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

March 13, 2009

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Wednesday, March 11, 2009

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAC accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

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NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Steve Fulton

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Laboratory Manager

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SAMPLE SUMMARY

Workorder: 9779310 NWT-YORK

Discard Date: 03/27/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9779310001	BC-X1[2']3-09	Solid	3/11/09 11:40	3/11/09 14:40	Dan Buterbaugh
9779310002	KCW-X1[1']3-09	Solid	3/11/09 11:45	3/11/09 14:40	Dan Buterbaugh

Workorder Comments:

Notes

- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9779310 NWT-YORK

Lab ID: **9779310001** Date Collected: 3/11/2009 11:40 Matrix: Solid
Sample ID: **BC-X1[2']3-09** Date Received: 3/11/2009 14:40

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	7.4		%	0.1	SM20-2540 G			3/11/09 22:55	MBR	A
Total Solids	92.6		%	0.1	SM20-2540 G			3/11/09 22:55	MBR	A
METALS										
Arsenic, Total	4.8		mg/kg	2.9	SW846 6010C	3/12/09	MNP	3/13/09 05:11	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9779310 NWT-YORK

Lab ID: **9779310002** Date Collected: 3/11/2009 11:45 Matrix: Solid
Sample ID: **KCW-X1[1']3-09** Date Received: 3/11/2009 14:40

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	16.5		%	0.1	SM20-2540 G			3/11/09 22:55	MBR	A
Total Solids	83.5		%	0.1	SM20-2540 G			3/11/09 22:55	MBR	A
METALS										
Lead, Total	171		mg/kg	2.3	SW846 6010C	3/12/09	MNP	3/13/09 05:23	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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Certificate of Analysis

Project Name:	**NWT-YORK**	Workorder:	**9777953**
Purchase Order:	**07214**	Workorder ID:	**NWT-YORK (03/02/09)**

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

March 6, 2009

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Tuesday, March 03, 2009

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAC accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

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NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Steve Fulton

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Laboratory Manager

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SAMPLE SUMMARY

Workorder: 9777953 NWT-YORK (03/02/09) Discard Date: 03/20/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9777953001	Trestle-S1(11') 3-09	Solid	3/2/09 14:55	3/3/09 17:15	Dan Buterbaugh
9777953002	Trestle-S2(8') 3-09	Solid	3/2/09 14:58	3/3/09 17:15	Dan Buterbaugh
9777953003	Trestle-S3(11') 3-09	Solid	3/2/09 15:00	3/3/09 17:15	Dan Buterbaugh
9777953004	Trestle-S4 (9') 3-09	Solid	3/2/09 15:03	3/3/09 17:15	Dan Buterbaugh
9777953005	Trestle-S5 (9') 3-09	Solid	3/2/09 15:08	3/3/09 17:15	Dan Buterbaugh
9777953006	Trestle-S6 (8') 3-09	Solid	3/2/09 15:08	3/3/09 17:15	Dan Buterbaugh
9777953007	Trestle-S7 (8') 3-09	Solid	3/2/09 15:10	3/3/09 17:15	Dan Buterbaugh
9777953008	Trestle-S8 (9') 3-09	Solid	3/2/09 15:12	3/3/09 17:15	Dan Buterbaugh
9777953009	Trestle-S9 (9') 3-09	Solid	3/2/09 15:13	3/3/09 17:15	Dan Buterbaugh
9777953010	Trestle-S10 (9') 3-09	Solid	3/2/09 15:15	3/3/09 17:15	Dan Buterbaugh
9777953011	Trestle-S11 (9') 3-09	Solid	3/2/09 15:17	3/3/09 17:15	Dan Buterbaugh
9777953012	Trestle-S12 (9') 3-09	Solid	3/2/09 15:20	3/3/09 17:15	Dan Buterbaugh

Workorder Comments:

Notes

- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9777953 NWT-YORK (03/02/09)

Lab ID: **9777953001** Date Collected: 3/2/2009 14:55 Matrix: Solid
Sample ID: **Trestle-S1(11') 3-09** Date Received: 3/3/2009 17:15

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	19.7		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
Total Solids	80.3		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
METALS										
Arsenic, Total	9.0		mg/kg	3.4	SW846 6010C	3/4/09	MNP	3/5/09 01:25	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9777953 NWT-YORK (03/02/09)

Lab ID: **9777953002** Date Collected: 3/2/2009 14:58 Matrix: Solid

Sample ID: **Trestle-S2(8') 3-09** Date Received: 3/3/2009 17:15

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	17.0		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
Total Solids	83.0		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
METALS										
Arsenic, Total	8.1		mg/kg	3.5	SW846 6010C	3/4/09	MNP	3/5/09 01:37	SRT	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9777953 NWT-YORK (03/02/09)

Lab ID: **9777953003** Date Collected: 3/2/2009 15:00 Matrix: Solid
Sample ID: **Trestle-S3(11') 3-09** Date Received: 3/3/2009 17:15

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	19.3		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
Total Solids	80.7		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
METALS										
Arsenic, Total	5.7		mg/kg	3.2	SW846 6010C	3/4/09	MNP	3/5/09 01:40	SRT	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9777953 NWT-YORK (03/02/09)

Lab ID: **9777953004** Date Collected: 3/2/2009 15:03 Matrix: Solid
Sample ID: **Trestle-S4 (9') 3-09** Date Received: 3/3/2009 17:15

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	17.7		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
Total Solids	82.3		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
METALS										
Arsenic, Total	6.6		mg/kg	3.6	SW846 6010C	3/4/09	MNP	3/5/09 01:44	SRT	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9777953 NWT-YORK (03/02/09)

Lab ID: **9777953005** Date Collected: 3/2/2009 15:08 Matrix: Solid
Sample ID: **Trestle-S5 (9') 3-09** Date Received: 3/3/2009 17:15

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	9.6		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
Total Solids	90.4		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
METALS										
Arsenic, Total	6.3		mg/kg	2.8	SW846 6010C	3/4/09	MNP	3/5/09 01:48	SRT	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9777953 NWT-YORK (03/02/09)

Lab ID: **9777953006** Date Collected: 3/2/2009 15:08 Matrix: Solid
Sample ID: **Trestle-S6 (8') 3-09** Date Received: 3/3/2009 17:15

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	13.9		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
Total Solids	86.1		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
METALS										
Arsenic, Total	6.7		mg/kg	3.2	SW846 6010C	3/4/09	MNP	3/5/09 01:52	SRT	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9777953 NWT-YORK (03/02/09)

Lab ID: **9777953007** Date Collected: 3/2/2009 15:10 Matrix: Solid
Sample ID: **Trestle-S7 (8') 3-09** Date Received: 3/3/2009 17:15

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	21.3		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
Total Solids	78.7		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
METALS										
Arsenic, Total	6.8		mg/kg	3.8	SW846 6010C	3/4/09	MNP	3/5/09 02:03	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9777953 NWT-YORK (03/02/09)

Lab ID: **9777953008** Date Collected: 3/2/2009 15:12 Matrix: Solid
Sample ID: **Trestle-S8 (9') 3-09** Date Received: 3/3/2009 17:15

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	18.3		%	0.1	SM20-2540 G			3/5/09 23:40	MBR	A
Total Solids	81.7		%	0.1	SM20-2540 G			3/5/09 23:40	MBR	A
METALS										
Arsenic, Total	5.8		mg/kg	3.2	SW846 6010C	3/4/09	MNP	3/5/09 02:07	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9777953 NWT-YORK (03/02/09)

Lab ID:	**9777953009**	Date Collected:	3/2/2009 15:13	Matrix:	Solid
Sample ID:	**Trestle-S9 (9') 3-09**	Date Received:	3/3/2009 17:15		

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	16.8		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
Total Solids	83.2		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
METALS										
Arsenic, Total	9.8		mg/kg	3.5	SW846 6010C	3/4/09	MNP	3/5/09 02:11	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9777953 NWT-YORK (03/02/09)

Lab ID: **9777953010** Date Collected: 3/2/2009 15:15 Matrix: Solid

Sample ID: **Trestle-S10 (9') 3-09** Date Received: 3/3/2009 17:15

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	18.5		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
Total Solids	81.5		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
METALS										
Arsenic, Total	4.4		mg/kg	3.7	SW846 6010C	3/4/09	MNP	3/5/09 02:15	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9777953 NWT-YORK (03/02/09)

Lab ID: **9777953011** Date Collected: 3/2/2009 15:17 Matrix: Solid
Sample ID: **Trestle-S11 (9') 3-09** Date Received: 3/3/2009 17:15

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	16.7		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
Total Solids	83.3		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
METALS										
Arsenic, Total	4.5		mg/kg	3.6	SW846 6010C	3/4/09	MNP	3/5/09 02:19	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9777953 NWT-YORK (03/02/09)

Lab ID: **9777953012** Date Collected: 3/2/2009 15:20 Matrix: Solid

Sample ID: **Trestle-S12 (9') 3-09** Date Received: 3/3/2009 17:15

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	19.3		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
Total Solids	80.7		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
METALS										
Arsenic, Total	7.3		mg/kg	3.3	SW846 6010C	3/4/09	MNP	3/5/09 02:23	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

APPENDIX D

Soil Characterization and Delineation Laboratory
Analytical Results – Ohio Blenders Property

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Certificate of Analysis

Project Name:	**NWT YORK PROJECT**	Workorder:	**9793319**
Purchase Order:	**07214**	Workorder ID:	**Soils (06/08/09)**

Mr. Steve Fulton
ARM Group
1129 W. Governor Road
PO Box 797
Hershey, PA 17033

June 25, 2009

Dear Mr. Fulton,

Enclosed are the analytical results for samples received by the laboratory on Tuesday, June 09, 2009

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

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NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Dan Buterbaugh

Anna G Milliken
Laboratory Manager

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

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SAMPLE SUMMARY

Workorder 9793319 Soils (06/08/09) Discard Date: 07/08/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9793319001	OB-1 (6")	Solid	6/8/09 10:08	6/9/09 07:00	Customer
9793319002	OB-2 (6")	Solid	6/8/09 10:25	6/9/09 07:00	Customer
9793319003	OB-3 (6")	Solid	6/8/09 10:30	6/9/09 07:00	Customer
9793319004	OB-3 (16")	Solid	6/8/09 10:40	6/9/09 07:00	Customer
9793319005	OB-4 (30")	Solid	6/8/09 10:45	6/9/09 07:00	Customer
9793319006	OB-5 (30")	Solid	6/8/09 10:55	6/9/09 07:00	Customer
9793319007	OB-6 (6")	Solid	6/8/09 11:10	6/9/09 07:00	Customer
9793319008	OB-6 (30")	Solid	6/8/09 11:11	6/9/09 07:00	Customer
9793319009	OB-7 (24")	Solid	6/8/09 11:20	6/9/09 07:00	Customer
9793319010	OB-8 (6")	Solid	6/8/09 11:40	6/9/09 07:00	Customer
9793319011	OB-9 (6")	Solid	6/8/09 11:45	6/9/09 07:00	Customer
9793319012	OB-10 (6")	Solid	6/8/09 11:50	6/9/09 07:00	Customer
9793319013	OB-11 (24")	Solid	6/8/09 12:20	6/9/09 07:00	Customer
9793319014	OB-12 (6")	Solid	6/8/09 12:30	6/9/09 07:00	Customer
3319015	OB-13 (6")	Solid	6/8/09 12:35	6/9/09 07:00	Customer
9793319016	OB-14 (6")	Solid	6/8/09 12:40	6/9/09 07:00	Customer
9793319017	OB-15 (24")	Solid	6/8/09 13:45	6/9/09 07:00	Customer
9793319018	OB-16 (24")	Solid	6/8/09 13:50	6/9/09 07:00	Customer
9793319019	OB-17 (24")	Solid	6/8/09 14:30	6/9/09 07:00	Customer
9793319020	OB-18 (24")	Solid	6/8/09 14:40	6/9/09 07:00	Customer
9793319021	OB-19 (24")	Solid	6/8/09 14:50	6/9/09 07:00	Customer
9793319022	OB-20 (6")	Solid	6/8/09 14:59	6/9/09 07:00	Customer
9793319023	OB-20 (24")	Solid	6/8/09 15:00	6/9/09 07:00	Customer
9793319024	OB-21 (6")	Solid	6/8/09 15:15	6/9/09 07:00	Customer
9793319025	OB-21 (24")	Solid	6/8/09 15:15	6/9/09 07:00	Customer
9793319026	OB-22 (24")	Solid	6/8/09 15:25	6/9/09 07:00	Customer
9793319027	OB-23 (24")	Solid	6/8/09 15:35	6/9/09 07:00	Customer
9793319028	OB-24 (24")	Solid	6/8/09 15:50	6/9/09 07:00	Customer

Workorder Comments:

This report was re-issued to modify lab IDs 9793319 017 and 018 to include chromium and lead results in the total metals analysis at the request of Dan Buterbaugh of ARM Group on 06/22/09. SJB 06/23/09

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SAMPLE SUMMARY

Workorder 9793319 Soils (06/08/09) Discard Date: 07/08/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By

Notes

- -- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
- -- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- -- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- -- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- -- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder 9793319 Soils (06/08/09)

Lab ID: **9793319001** Date Collected: 6/8/2009 10:08 Matrix: Solid
Sample ID: **OB-1 (6")** Date Received: 6/9/2009 07:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	14.7	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	85.3	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Lead, Total	97.5	mg/kg		0.43	0.14	SW846 6020A	6/10/09	BMS	6/10/09 14:24	AJB	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9793319 Soils (06/08/09)

Lab ID: **9793319002** Date Collected: 6/8/2009 10:25 Matrix: Solid
Sample ID: **OB-2 (6")** Date Received: 6/9/2009 07:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	18.1	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	81.9	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Lead, Total	232	mg/kg		0.46	0.15	SW846 6020A	6/10/09	BMS	6/10/09 14:28	AJB	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder 9793319 Soils (06/08/09)

Lab ID: **9793319003** Date Collected: 6/8/2009 10:30 Matrix: Solid

Sample ID: **OB-3 (6")** Date Received: 6/9/2009 07:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	19.2	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	80.8	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	14.0	mg/kg		0.73	0.24	SW846 6020A	6/10/09	BMS	6/10/09 14:48	AJB	A1
Lead, Total	89.3	mg/kg		0.49	0.16	SW846 6020A	6/10/09	BMS	6/10/09 14:48	AJB	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder 9793319 Soils (06/08/09)

Lab ID: **9793319004** Date Collected: 6/8/2009 10:40 Matrix: Solid
Sample ID: **OB-3 (16")** Date Received: 6/9/2009 07:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	20.2	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	79.8	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	12.1	mg/kg		0.72	0.24	SW846 6020A	6/10/09	BMS	6/10/09 14:52	AJB	A1
Lead, Total	127	mg/kg		0.48	0.16	SW846 6020A	6/10/09	BMS	6/10/09 14:52	AJB	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder 9793319 Soils (06/08/09)

Lab ID: **9793319005** Date Collected: 6/8/2009 10:45 Matrix: Solid

Sample ID: **OB-4 (30")** Date Received: 6/9/2009 07:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	19.8	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	80.2	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	6.4	mg/kg		0.63	0.21	SW846 6020A	6/10/09	BMS	6/10/09 15:04	AJB	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder 9793319 Soils (06/08/09)

Lab ID: **9793319006** Date Collected: 6/8/2009 10:55 Matrix: Solid
Sample ID: **OB-5 (30")** Date Received: 6/9/2009 07:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	13.6	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	86.4	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	4.9	mg/kg		0.67	0.22	SW846 6020A	6/10/09	BMS	6/10/09 15:08	AJB	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder 9793319 Soils (06/08/09)

Lab ID: **9793319007** Date Collected: 6/8/2009 11:10 Matrix: Solid
Sample ID: **OB-6 (6")** Date Received: 6/9/2009 07:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	17.5	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	82.5	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	8.2	mg/kg		0.70	0.23	SW846 6020A	6/10/09	BMS	6/10/09 15:12	AJB	A1
Lead, Total	68.9	mg/kg		0.47	0.15	SW846 6020A	6/10/09	BMS	6/10/09 15:12	AJB	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder 9793319 Soils (06/08/09)

Lab ID: **9793319008** Date Collected: 6/8/2009 11:11 Matrix: Solid
Sample ID: **OB-6 (30")** Date Received: 6/9/2009 07:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	15.6	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	84.4	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	5.3	mg/kg		0.60	0.20	SW846 6020A	6/10/09	BMS	6/10/09 15:16	AJB	A1
Lead, Total	48.5	mg/kg		0.40	0.13	SW846 6020A	6/10/09	BMS	6/10/09 15:16	AJB	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder 9793319 Soils (06/08/09)

Lab ID: **9793319009** Date Collected: 6/8/2009 11:20 Matrix: Solid
Sample ID: **OB-7 (24")** Date Received: 6/9/2009 07:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	16.3	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	83.7	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	6.2	mg/kg		0.70	0.23	SW846 6020A	6/10/09	BMS	6/10/09 15:20	AJB	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder 9793319 Soils (06/08/09)

Lab ID: **9793319010** Date Collected: 6/8/2009 11:40 Matrix: Solid
Sample ID: **OB-8 (6")** Date Received: 6/9/2009 07:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	11.5	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	88.5	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Chromium, Total	18.7	mg/kg		0.44	0.15	SW846 6020A	6/10/09	BMS	6/10/09 15:24	AJB	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder 9793319 Soils (06/08/09)

Lab ID: **9793319011** Date Collected: 6/8/2009 11:45 Matrix: Solid
Sample ID: **OB-9 (6")** Date Received: 6/9/2009 07:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	16.9	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	83.1	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Chromium, Total	22.8	mg/kg		0.48	0.16	SW846 6020A	6/10/09	BMS	6/10/09 15:28	AJB	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder 9793319 Soils (06/08/09)

Lab ID: **9793319012** Date Collected: 6/8/2009 11:50 Matrix: Solid
Sample ID: **OB-10 (6")** Date Received: 6/9/2009 07:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	11.0	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	89.0	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Chromium, Total	13.6	mg/kg		0.39	0.13	SW846 6020A	6/10/09	BMS	6/10/09 15:32	AJB	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder 9793319 Soils (06/08/09)

Lab ID: **9793319013** Date Collected: 6/8/2009 12:20 Matrix: Solid
Sample ID: **OB-11 (24")** Date Received: 6/9/2009 07:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	20.6	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	79.4	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	10.6	mg/kg		0.71	0.24	SW846 6020A	6/10/09	BMS	6/10/09 15:36	AJB	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder 9793319 Soils (06/08/09)

Lab ID: **9793319014** Date Collected: 6/8/2009 12:30 Matrix: Solid
Sample ID: **OB-12 (6")** Date Received: 6/9/2009 07:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	6.9	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	93.1	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	6.0	mg/kg		0.60	0.20	SW846 6020A	6/10/09	BMS	6/10/09 15:40	AJB	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder 9793319 Soils (06/08/09)

Lab ID: **9793319015** Date Collected: 6/8/2009 12:35 Matrix: Solid

Sample ID: **OB-13 (6")** Date Received: 6/9/2009 07:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	12.5	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	87.5	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	10.5	mg/kg		0.67	0.22	SW846 6020A	6/10/09	BMS	6/10/09 15:52	AJB	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder 9793319 Soils (06/08/09)

Lab ID: **9793319016** Date Collected: 6/8/2009 12:40 Matrix: Solid
Sample ID: **OB-14 (6")** Date Received: 6/9/2009 07:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	17.1	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	82.9	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	5.9	mg/kg		0.71	0.24	SW846 6020A	6/10/09	BMS	6/10/09 15:56	AJB	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder 9793319 Soils (06/08/09)

Lab ID: **9793319017** Date Collected: 6/8/2009 13:45 Matrix: Solid

Sample ID: **OB-15 (24")** Date Received: 6/9/2009 07:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	20.1	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	79.9	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	149	mg/kg		0.71	0.24	SW846 6020A	6/10/09	BMS	6/10/09 16:00	AJB	A1
Chromium, Total	43.4	mg/kg		0.47	0.16	SW846 6020A	6/10/09	BMS	6/10/09 16:00	AJB	A
Lead, Total	81.3	mg/kg		0.47	0.16	SW846 6020A	6/10/09	BMS	6/10/09 16:00	AJB	A

Sample Comments:

This report was modified to include chromium and lead results in the total metals analysis at the request of Dan Buterbaugh of ARM Group on 06/22/09. SJB 06/23/09

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ANALYTICAL RESULTS

Workorder 9793319 Soils (06/08/09)

Lab ID: **9793319018** Date Collected: 6/8/2009 13:50 Matrix: Solid

Sample ID: **OB-16 (24")** Date Received: 6/9/2009 07:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	13.5	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	86.5	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	27.7	mg/kg		0.67	0.22	SW846 6020A	6/10/09	BMS	6/10/09 16:04	AJB	A1
Chromium, Total	41.2	mg/kg		0.44	0.15	SW846 6020A	6/10/09	BMS	6/10/09 16:04	AJB	A
Lead, Total	248	mg/kg		0.44	0.15	SW846 6020A	6/10/09	BMS	6/10/09 16:04	AJB	A

Sample Comments:

This report was modified to include chromium and lead results in the total metals analysis at the request of Dan Buterbaugh of ARM Group on 06/22/09. SJB 06/23/09

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ANALYTICAL RESULTS

Workorder 9793319 Soils (06/08/09)

Lab ID: **9793319019** Date Collected: 6/8/2009 14:30 Matrix: Solid
Sample ID: **OB-17 (24")** Date Received: 6/9/2009 07:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	15.4	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	84.6	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	12.8	mg/kg		0.60	0.20	SW846 6020A	6/10/09	BMS	6/10/09 16:08	AJB	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder 9793319 Soils (06/08/09)

Lab ID: **9793319020** Date Collected: 6/8/2009 14:40 Matrix: Solid
Sample ID: **OB-18 (24")** Date Received: 6/9/2009 07:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	19.1	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	80.9	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	11.7	mg/kg		0.71	0.24	SW846 6020A	6/10/09	BMS	6/10/09 16:12	AJB	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder 9793319 Soils (06/08/09)

Lab ID: **9793319021** Date Collected: 6/8/2009 14:50 Matrix: Solid
Sample ID: **OB-19 (24")** Date Received: 6/9/2009 07:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	15.7	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	84.3	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	21.4	mg/kg		0.71	0.24	SW846 6020A	6/10/09	BMS	6/10/09 16:24	AJB	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

ANALYTICAL LABORATORY SERVICES, INC.
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ANALYTICAL RESULTS

Workorder 9793319 Soils (06/08/09)

Lab ID: **9793319022** Date Collected: 6/8/2009 14:59 Matrix: Solid
Sample ID: **OB-20 (6")** Date Received: 6/9/2009 07:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	18.1	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	81.9	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	14.0	mg/kg		0.70	0.23	SW846 6020A	6/10/09	BMS	6/10/09 16:28	AJB	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9793319 Soils (06/08/09)

Lab ID: **9793319023** Date Collected: 6/8/2009 15:00 Matrix: Solid

Sample ID: **OB-20 (24")** Date Received: 6/9/2009 07:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	20.1	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	79.9	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	9.3	mg/kg		0.66	0.22	SW846 6020A	6/10/09	BMS	6/10/09 21:11	MWO	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9793319 Soils (06/08/09)

Lab ID: **9793319024** Date Collected: 6/8/2009 15:15 Matrix: Solid
Sample ID: **OB-21 (6")** Date Received: 6/9/2009 07:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	10.8	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	89.2	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	41.4	mg/kg		0.61	0.20	SW846 6020A	6/10/09	BMS	6/10/09 21:13	MWO	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9793319 Soils (06/08/09)

Lab ID: **9793319025** Date Collected: 6/8/2009 15:15 Matrix: Solid
Sample ID: **OB-21 (24")** Date Received: 6/9/2009 07:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	15.2	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	84.8	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	23.6	mg/kg		0.68	0.23	SW846 6020A	6/10/09	BMS	6/10/09 21:16	MWO	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9793319 Soils (06/08/09)

Lab ID: **9793319026** Date Collected: 6/8/2009 15:25 Matrix: Solid
Sample ID: **OB-22 (24")** Date Received: 6/9/2009 07:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	14.9	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	85.1	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	19.4	mg/kg		0.67	0.22	SW846 6020A	6/10/09	BMS	6/10/09 21:19	MWO	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9793319 Soils (06/08/09)

Lab ID: **9793319027** Date Collected: 6/8/2009 15:35 Matrix: Solid
Sample ID: **OB-23 (24")** Date Received: 6/9/2009 07:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	15.2	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	84.8	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	9.6	mg/kg		0.71	0.24	SW846 6020A	6/10/09	BMS	6/10/09 21:22	MWO	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9793319 Soils (06/08/09)

Lab ID: **9793319028** Date Collected: 6/8/2009 15:50 Matrix: Solid
Sample ID: **OB-24 (24")** Date Received: 6/9/2009 07:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	17.4	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	82.6	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	9.1	mg/kg		0.71	0.24	SW846 6020A	6/10/09	BMS	6/10/09 21:25	MWO	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 4
Courier:
Tracking #:

Co. Name: ARM Group
Contact (Report to): Dan Butebaugh
Address: W Governor Rd Hershey PA
Phone:

Bill to (if different than Report to):
PO#:

Project Name/#: NWT York/07214
ALSI Quote #:

TAT: ☑ Normal-Standard TAT is 10-12 business days. ☐ Rush-Subject to ALSI approval and surcharges.
Date Required: 06/16/09
Approved By:

Email? ☑ -Y dbutebaugh@armgroup.net
Fax? ☐ -Y No.:

***Container Type	G	G	G													
***Container Size	4oz	4oz	4oz													
*** Preservative	—	—	—													

ANALYSES/METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Total Pb	Arsenic	Chromium							
1	OB-1 (6")		6/8/09	1008	G	S	1									
2	OB-2 (6")			1025			1									
3	OB-3 (6")			1030			1	1								
4	OB-3 (16")			1040			1	1								
5	OB-4 (30")			1045				1								
6	OB-5 (30")			1055				1								
7	OB-6 (6")			1110			1	1								
8	OB-6 (30")			1111			1	1								

Enter Number of Containers Per Analysis

Receipt Information (completed by Sample Receipt)
Performed by: DGS
Cooler Temp: 5°C
Therm. ID: 5102355
No. of Coolers:
Notes:

Sample	Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Circle appropriate Y or N.
1	Y	Y	Y	Y	
2	Y	Y	Y	Y	
3	Y	Y	Y	Y	
4	Y	Y	Y	Y	
5	Y	Y	Y	Y	
6	Y	Y	Y	Y	
7	Y	Y	Y	Y	
8	Y	Y	Y	Y	

Sample	Custody seals Present?	(If present) Seals intact?	Received on ice?	COC/Labels complete/accurate?	Container in good condition?
1	Y	Y	Y	Y	Y
2	Y	Y	Y	Y	Y
3	Y	Y	Y	Y	Y
4	Y	Y	Y	Y	Y
5	Y	Y	Y	Y	Y
6	Y	Y	Y	Y	Y
7	Y	Y	Y	Y	Y
8	Y	Y	Y	Y	Y

SAMPLED BY (Please Print): K. Schiefer
LOGGED BY (signature): [signature] DATE 6/9/09 TIME 1430
REVIEWED BY (signature): [signature] DATE 06/10/09 TIME 1518

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	[signature]	6/9/09	0700	2	[signature]	6/9/09	0700
3				4			
5				6			
7				8			
9				10			

Data Deliverables: ☐ Standard ☐ CLP-like ☐ NJ-Reduced ☐ NJ-Full ☐ ____ ☐ If yes, format type:
EDDs Required?
SDWA Forms? yes ☐ yes ☐ yes ☐ yes ☐ Other
State Samples Collected in? MD ☐ NJ ☐ NY ☐ PA ☐
Enter PWSID No.
DOD Criteria Required?

ALSI FIELD SERVICES: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other:

* G=Grab; C=Composite **Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 2 of 4

Courier:

Tracking #: 979 9949

Co. Name: ARM Group
Contact (Report to): D Butterbaugh
Phone:
Address: Hershey PA

Bill to (if different than Report to):
PO#:

Project Name/#: NWT York / 07214
ALSI Quote #:

TAT: Normal-Standard TAT is 10-12 business days. / Rush-Subject to ALSI approval and surcharges.
Date Required:
Approved By:

Email? Y
Fax? Y No.:

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Lead (total)	Arsenic	Chromium																			
	***Container Type				G	G	G																					
	***Container Size				4oz	4oz	4oz																					
	***																											
	Preservative				—	—	—																					
	ANALYSES/METHOD REQUESTED																											
	Enter Number of Containers Per Analysis																											
1	OB-7 (24")		6/8/09	1120	G	S		1																				
2	OB-8 (6")			1140					1																			
3	OB-9 (6")			1145					1																			
4	OB-10 (6")			1150					1																			
5	OB-11 (24")			1220				1																				
6	OB-12 (6")			1230				1																				
7	OB-13 (6")			1235				1																				
8	OB-14 (6")			1240	G	G		1																				

Receipt Information (completed by Sample Receipt)
Performed by:
Cooler Temp: 5°C
Therm. ID: 5/063559
No. of Coolers:
Notes:

Circle appropriate Y or N.	Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Custody seals Present?	(if present) Seals intact?	Received on ice?	COC/Labels complete/accurate?	Container in good condition?
	N	N	N	N	Y	Y	Y	Y	Y
	Y	Y	Y	Y	N	N	N	N	N

SAMPLED BY (Please Print): K Shiefer
LOGGED BY (signature): DATE 6/9/09 TIME 1430
REVIEWED BY (signature): DATE 06/10/09 TIME 1530

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	6/9/09	0700	2	6/9/09	0700
3			4		
5			6		
7			8		
9			10		

Data Deliverables: Standard / CLP-like / NJ-Reduced / NJ-Full / other
EDDs Required? If yes, format type:
SDWA Forms?: yes / yes / yes / yes
State Samples Collected In?: MD / NJ / NY / PA
Other
Enter PWSID No.
DOD Criteria Required?

ALSI FIELD SERVICES: Pickup / Labor / Composite Sampling / Rental Equipment / Other:

* G=Grab; C=Composite **Matrix: Al=Air; DW=Drinking Water; GW=Groundwater; Ol=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY ***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc. Rev 5/07

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

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Page 3 of 4

Courier:

Tracking #: 979 9919

Co. Name: ARM Group

Contact (Report to): DButerbaugh

Phone:

Address: Hershey PA

Bill to (if different than Report to):

PO#:

Project Name/#: NWT York/07214

ALSI Quote #:

TAT: [ ] Normal-Standard TAT is 10-12 business days. [ ] Rush-Subject to ALSI approval and surcharges.

Date Required:

Approved By:

Email? [ ] -Y

Fax? [ ] -Y No.

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Total Lead	Arsenic	Chromium							
	***Container Type				G	G	G									
	***Container Size				4oz	4oz	4oz									
	*** Preservative				—	—	1									
1	OB-15 (24")	OB-16 MARKED OB-17	6/8/09	1345	G	S		1								
2	OB-16 (24")	PART TIME WAS 1350 BY PROCESS OF ELIMIN		1350				1								
3	OB-17 (24")	ALSO - IT IS OB-16 DES 6/8/09		1430				1								
4	OB-18 (24")			1440				1								
5	OB-19 (24")			1450				1								
6	OB-20 (6")			1459				1								
7	OB-20 (24")			1500				1								
8	OB-21 (6")			1515				1								

ANALYSES/METHOD REQUESTED

Enter Number of Containers Per Analysis

Receipt Information (completed by Sample Receiving)

Performed by: [illegible]

Cooler Temp: 6°C

Therm. ID: 5/03 [illegible]

No. of Coolers:

Notes:

	Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Circle appropriate Y or N.
	N	N	N	(Y)	
	(Y)	(Y)	(Y)	Y	
	(N)	N	N	N	N
	Y	Y	(Y)	(Y)	(Y)

	Custody seals Present?	(If present) Seals Intact?	Received on ice?	COC/Labels complete/accurate?	Container in good condition?

SAMPLED BY (Please Print): K Schiefer

LOGGED BY (signature): DATE 06/9/09 TIME 1430

REVIEWED BY (signature): DATE 06/16/09 TIME 1522

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	6/9/09	0700	2	6/9/09	0700
3			4		
5			6		
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] other

EDDs Required? [ ] If yes, format type:

SDWA Forms? yes [ ] yes [ ] yes [ ] yes [ ]

State Samples Collected In? MD [ ] NJ [ ] NY [ ] PA [ ] Other

Enter PWSID No.

DOD Criteria Required?

ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite **Matrix: Air=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY ***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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Page 4 of 4
Courier:
Tracking #:
9793319 COC#

Co. Name: ARM Group
Contact (Report to): D Butelaugh
Phone:
Address: Hershey PA

Bill to (if different than Report to):
PO#:

Project Name/#: NWT York 07214
ALSI Quote #:

TAT: [x] Normal-Standard TAT is 10-12 business days. [ ] Rush-Subject to ALSI approval and surcharges.
Date Required:
Approved By:

Email? [ ] -Y
Fax? [ ] -Y No.:

***Container Type	G	G	G												
***Container Size	4oz	4oz	4oz												
Preservative	–	–	–												

ANALYSES/METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Total Lead	Arsenic	Chromium							
1	OB-21 (24")		6/8/09	1515	G	S		1								
2	OB-22 (24")		↓	1525	↓	↓		1								
3	OB-23 (24")		↓	1535	↓	↓		1								
4	OB-24 (24")		↓	1550	↓	↓		1								
5																
6																
7																
8																

Enter Number of Containers Per Analysis

Receipt Information (completed by Sample Receiving)
Performed by: [signature]
Cooler Temp: 5°C
Therm. ID: 51023559
No. of Coolers:
Notes:

Sample	Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Circle appropriate Y or N.
1	Y	Y	Y	Y	N
2	N	N	N	N	N
3	Y	Y	Y	Y	N
4	N	N	N	N	N

Sample	Custody seals Present?	(If present) Seals intact?	Received on ice?	COC/Labels complete/accurate?	Container in good condition?
1	Y	Y	Y	Y	Y
2	N	N	N	N	N
3	Y	Y	Y	Y	Y
4	N	N	N	N	N

SAMPLED BY (Please Print): K Schaffer
LOGGED BY (signature): [signature] DATE 6/9/09 TIME 1830
REVIEWED BY (signature): [signature] DATE 06/10/09 TIME 1522

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	[signature]	6/9/09	0700	2	[signature]	6/9/09	0700
3				4			
5				6			
7				8			
9				10			

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] other
EDDs Required? [ ] If yes, format type:
SDWA Forms? yes [ ] yes [ ] yes [ ] yes [ ]
State Samples Collected in? MD [ ] NJ [ ] NY [ ] PA [ ]
Other
⇒ Enter PWSID No.
DOD Criteria Required?

ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite **Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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Certificate of Analysis

Project Name:	NWT YORK PROJECT	Workorder:	9793417
Purchase Order:	07214	Workorder ID:	Soils (06/09/09)

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

June 18, 2009

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Tuesday, June 09, 2009

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAC accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

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NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Steve Fulton

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Laboratory Manager

ANALYTICAL LABORATORY SERVICES, INC.
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PA 22-293 NJ PA010
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

SAMPLE SUMMARY

Workorder: 9793417 Soils (06/09/09) Discard Date: 07/01/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9793417001	OB-25 (24")	Solid	6/9/09 09:05	6/9/09 15:26	Joe Janick
9793417002	OB-26 (24")	Solid	6/9/09 09:15	6/9/09 15:26	Joe Janick
9793417003	OB-27 (6")	Solid	6/9/09 09:20	6/9/09 15:26	Joe Janick
9793417004	OB-28 (6")	Solid	6/9/09 09:28	6/9/09 15:26	Joe Janick
9793417005	OB-29 (6")	Solid	6/9/09 09:40	6/9/09 15:26	Joe Janick
9793417006	OB-29 (24")	Solid	6/9/09 09:40	6/9/09 15:26	Joe Janick
9793417007	OB-30 (6")	Solid	6/9/09 09:50	6/9/09 15:26	Joe Janick
9793417008	OB-31 (12")	Solid	6/9/09 10:08	6/9/09 15:26	Joe Janick
9793417009	OB-32 (12")	Solid	6/9/09 10:20	6/9/09 15:26	Joe Janick
9793417010	OB-33 (12")	Solid	6/9/09 10:25	6/9/09 15:26	Joe Janick
9793417011	OB-34 (12")	Solid	6/9/09 10:50	6/9/09 15:26	Joe Janick

Workorder Comments:

Notes

-- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9793417 Soils (06/09/09)

Lab ID: **9793417001** Date Collected: 6/9/2009 09:05 Matrix: Solid

Sample ID: **OB-25 (24")** Date Received: 6/9/2009 15:26

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	13.6	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	86.4	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	4.5	mg/kg		0.66	0.22	SW846 6020A	6/10/09	BMS	6/10/09 21:28	MWO	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9793417 Soils (06/09/09)

Lab ID: **9793417002** Date Collected: 6/9/2009 09:15 Matrix: Solid
Sample ID: **OB-26 (24")** Date Received: 6/9/2009 15:26

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES											
1,2-Diphenylhydrazine	ND	ug/kg		123	19.8	SW846 8270D	6/10/09	SAS	6/15/09 17:31	CHS	A2
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	55.8	%		37-123		SW846 8270D	6/10/09	SAS	6/15/09 17:31	CHS	A2
2-Fluorobiphenyl (S)	64.3	%		45-105		SW846 8270D	6/10/09	SAS	6/15/09 17:31	CHS	A2
2-Fluorophenol (S)	64.3	%		35-104		SW846 8270D	6/10/09	SAS	6/15/09 17:31	CHS	A2
Nitrobenzene-d5 (S)	66.4	%		41-110		SW846 8270D	6/10/09	SAS	6/15/09 17:31	CHS	A2
Phenol-d5 (S)	63.2	%		40-100		SW846 8270D	6/10/09	SAS	6/15/09 17:31	CHS	A2
Terphenyl-d14 (S)	67.5	%		38-113		SW846 8270D	6/10/09	SAS	6/15/09 17:31	CHS	A2
WET CHEMISTRY											
Moisture	19.3	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	80.7	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	4.0	mg/kg		0.69	0.23	SW846 6020A	6/10/09	BMS	6/10/09 21:45	MW O	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9793417 Soils (06/09/09)

Lab ID: **9793417003** Date Collected: 6/9/2009 09:20 Matrix: Solid
Sample ID: **OB-27 (6")** Date Received: 6/9/2009 15:26

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES											
1,2-Diphenylhydrazine	ND	ug/kg		108	17.4	SW846 8270D	6/10/09	SAS	6/15/09 18:15	CHS	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	76.2	%		37-123		SW846 8270D	6/10/09	SAS	6/15/09 18:15	CHS	A1
2-Fluorobiphenyl (S)	75.8	%		45-105		SW846 8270D	6/10/09	SAS	6/15/09 18:15	CHS	A1
2-Fluorophenol (S)	70.5	%		35-104		SW846 8270D	6/10/09	SAS	6/15/09 18:15	CHS	A1
Nitrobenzene-d5 (S)	74.7	%		41-110		SW846 8270D	6/10/09	SAS	6/15/09 18:15	CHS	A1
Phenol-d5 (S)	69.8	%		40-100		SW846 8270D	6/10/09	SAS	6/15/09 18:15	CHS	A1
Terphenyl-d14 (S)	78.7	%		38-113		SW846 8270D	6/10/09	SAS	6/15/09 18:15	CHS	A1
WET CHEMISTRY											
Moisture	11.2	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	88.8	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9793417 Soils (06/09/09)

Lab ID: **9793417004** Date Collected: 6/9/2009 09:28 Matrix: Solid
Sample ID: **OB-28 (6")** Date Received: 6/9/2009 15:26

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES											
1,2-Diphenylhydrazine	ND	ug/kg		116	18.7	SW846 8270D	6/10/09	SAS	6/17/09 00:08	CHS	A2
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	61.7	%		37-123		SW846 8270D	6/10/09	SAS	6/17/09 00:08	CHS	A2
2-Fluorobiphenyl (S)	65	%		45-105		SW846 8270D	6/10/09	SAS	6/17/09 00:08	CHS	A2
2-Fluorophenol (S)	61.9	%		35-104		SW846 8270D	6/10/09	SAS	6/17/09 00:08	CHS	A2
Nitrobenzene-d5 (S)	66.2	%		41-110		SW846 8270D	6/10/09	SAS	6/17/09 00:08	CHS	A2
Phenol-d5 (S)	64.4	%		40-100		SW846 8270D	6/10/09	SAS	6/17/09 00:08	CHS	A2
Terphenyl-d14 (S)	62.3	%		38-113		SW846 8270D	6/10/09	SAS	6/17/09 00:08	CHS	A2
WET CHEMISTRY											
Moisture	14.3	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	85.7	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	8.0	mg/kg		0.69	0.23	SW846 6020A	6/10/09	BMS	6/10/09 21:48	MW O	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9793417 Soils (06/09/09)

Lab ID: **9793417005** Date Collected: 6/9/2009 09:40 Matrix: Solid
Sample ID: **OB-29 (6")** Date Received: 6/9/2009 15:26

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES											
1,2-Diphenylhydrazine	ND	ug/kg		107	17.2	SW846 8270D	6/10/09	SAS	6/17/09 00:52	CHS	A2
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	84.5	%		37-123		SW846 8270D	6/10/09	SAS	6/17/09 00:52	CHS	A2
2-Fluorobiphenyl (S)	79.6	%		45-105		SW846 8270D	6/10/09	SAS	6/17/09 00:52	CHS	A2
2-Fluorophenol (S)	67.8	%		35-104		SW846 8270D	6/10/09	SAS	6/17/09 00:52	CHS	A2
Nitrobenzene-d5 (S)	69.2	%		41-110		SW846 8270D	6/10/09	SAS	6/17/09 00:52	CHS	A2
Phenol-d5 (S)	73.6	%		40-100		SW846 8270D	6/10/09	SAS	6/17/09 00:52	CHS	A2
Terphenyl-d14 (S)	63.6	%		38-113		SW846 8270D	6/10/09	SAS	6/17/09 00:52	CHS	A2
WET CHEMISTRY											
Moisture	10.7	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	89.3	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	47.7	mg/kg		0.58	0.19	SW846 6020A	6/10/09	BMS	6/10/09 21:51	MW O	A1

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ANALYTICAL RESULTS

Workorder: 9793417 Soils (06/09/09)

Lab ID: **9793417006** Date Collected: 6/9/2009 09:40 Matrix: Solid
Sample ID: **OB-29 (24")** Date Received: 6/9/2009 15:26

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES											
1,2-Diphenylhydrazine	ND	ug/kg		119	19.1	SW846 8270D	6/10/09	SAS	6/17/09 01:36	CHS	A2
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	86.6	%		37-123		SW846 8270D	6/10/09	SAS	6/17/09 01:36	CHS	A2
2-Fluorobiphenyl (S)	75	%		45-105		SW846 8270D	6/10/09	SAS	6/17/09 01:36	CHS	A2
2-Fluorophenol (S)	60.3	%		35-104		SW846 8270D	6/10/09	SAS	6/17/09 01:36	CHS	A2
Nitrobenzene-d5 (S)	65.2	%		41-110		SW846 8270D	6/10/09	SAS	6/17/09 01:36	CHS	A2
Phenol-d5 (S)	66.3	%		40-100		SW846 8270D	6/10/09	SAS	6/17/09 01:36	CHS	A2
Terphenyl-d14 (S)	34	%	1	38-113		SW846 8270D	6/10/09	SAS	6/17/09 01:36	CHS	A2
WET CHEMISTRY											
Moisture	16.9	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	83.1	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	18.7	mg/kg		0.62	0.21	SW846 6020A	6/10/09	BMS	6/10/09 21:54	MWO	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9793417 Soils (06/09/09)

Lab ID: **9793417007** Date Collected: 6/9/2009 09:50 Matrix: Solid
Sample ID: **OB-30 (6")** Date Received: 6/9/2009 15:26

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES											
1,2-Diphenylhydrazine	ND	ug/kg		102	16.4	SW846 8270D	6/10/09	SAS	6/17/09 02:22	CHS	A2
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	78.5	%		37-123		SW846 8270D	6/10/09	SAS	6/17/09 02:22	CHS	A2
2-Fluorobiphenyl (S)	74	%		45-105		SW846 8270D	6/10/09	SAS	6/17/09 02:22	CHS	A2
2-Fluorophenol (S)	69.9	%		35-104		SW846 8270D	6/10/09	SAS	6/17/09 02:22	CHS	A2
Nitrobenzene-d5 (S)	72.4	%		41-110		SW846 8270D	6/10/09	SAS	6/17/09 02:22	CHS	A2
Phenol-d5 (S)	73.5	%		40-100		SW846 8270D	6/10/09	SAS	6/17/09 02:22	CHS	A2
Terphenyl-d14 (S)	58.3	%		38-113		SW846 8270D	6/10/09	SAS	6/17/09 02:22	CHS	A2
WET CHEMISTRY											
Moisture	4.9	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	95.1	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	5.1J	mg/kg		5.8	1.9	SW846 6020A	6/10/09	BMS	6/10/09 19:20	AJB	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9793417 Soils (06/09/09)

Lab ID: **9793417008** Date Collected: 6/9/2009 10:08 Matrix: Solid

Sample ID: **OB-31 (12")** Date Received: 6/9/2009 15:26

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	13.5	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	86.5	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	58.3	mg/kg		3.4	1.1	SW846 6020A	6/10/09	BMS	6/10/09 19:11	AJB	A1
Lead, Total	169	mg/kg		1.1	0.37	SW846 6020A	6/10/09	BMS	6/10/09 18:58	AJB	A1

Sample Comments:

One or more internal standards for the metals analysis were recovered at <70% due to sample matrix interference. The sample was diluted until the internal standard was within the acceptable range. The detection limits were raised.

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ANALYTICAL RESULTS

Workorder: 9793417 Soils (06/09/09)

Lab ID: **9793417009** Date Collected: 6/9/2009 10:20 Matrix: Solid
Sample ID: **OB-32 (12")** Date Received: 6/9/2009 15:26

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	11.1	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	88.9	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	7.1	mg/kg		0.64	0.21	SW846 6020A	6/10/09	BMS	6/10/09 21:57	MWO	A1
Lead, Total	101	mg/kg		0.42	0.14	SW846 6020A	6/10/09	BMS	6/10/09 21:57	MWO	A1

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ANALYTICAL RESULTS

Workorder: 9793417 Soils (06/09/09)

Lab ID: **9793417010** Date Collected: 6/9/2009 10:25 Matrix: Solid
Sample ID: **OB-33 (12")** Date Received: 6/9/2009 15:26

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	14.8	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	85.2	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	9.7	mg/kg		0.68	0.23	SW846 6020A	6/10/09	BMS	6/10/09 22:00	MWO	A1
Lead, Total	392	mg/kg		0.45	0.15	SW846 6020A	6/10/09	BMS	6/10/09 22:00	MWO	A1

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ANALYTICAL RESULTS

Workorder: 9793417 Soils (06/09/09)

Lab ID: **9793417011** Date Collected: 6/9/2009 10:50 Matrix: Solid
Sample ID: **OB-34 (12")** Date Received: 6/9/2009 15:26

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	10.9	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
Total Solids	89.1	%		0.1	0.01	SM20-2540 G			6/10/09 04:57	MBW	A
METALS											
Arsenic, Total	5.2	mg/kg		3.4	1.1	SW846 6020A	6/10/09	BMS	6/10/09 19:15	AJB	A1
Lead, Total	144	mg/kg		1.1	0.37	SW846 6020A	6/10/09	BMS	6/10/09 19:02	AJB	A1

Sample Comments:

One or more internal standards for the metals analysis were recovered at <70% due to sample matrix interference. The sample was diluted until the internal standard was within the acceptable range. The detection limits were raised.

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ANALYTICAL RESULTS QUALIFIERS\FLAGS

Workorder: 9793417 Soils (06/09/09)

PARAMETER QUALIFIERS\FLAGS

[1] The surrogate Terphenyl-d14 for method SW846 8270D was outside of control limits. The % Recovery was reported as 34 and the control limits were 38 to 113. This result was reported at a dilution of 1.

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 2
Courier:
Tracking #:

* 9 7 9 3 4 1 7 *

Co. Name: ARM Group, Inc.
Contact (Report to): Dan Buterbaugh
Phone:
Address: Hershey, PA

Bill to (if different than Report to):
PO#:

Project Name/#: York NWT /07214
ALSI Quote #:

TAT: ☑ Normal-Standard TAT is 10-12 business days. ☐ Rush-Subject to ALSI approval and surcharges.
Date Required: 06/16/09
Approved By:

Email? ☑ Y dbuterbaugh@armgroup.net
Fax? ☐ Y No.:

	**Container Type	**Container Size	***Preservative
As*	CG	4oz	None
1,2-Diphenylhydrazine	CG	4oz	None
Pb (Total)			

ANALYSES/METHOD REQUESTED — Enter Number of Containers Per Analysis

#	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	As*	1,2-Diphenylhydrazine	Pb (Total)
1	OB-25 (24")		6/9/09	0905	G	SO	1		
2	OB-26 (24")		6/9/09	0915	G	SO	1	1	
3	OB-27 (6")		6/9/09	0920	G	SO		1	
4	OB-28 (6")		6/9/09	0928	G	SO	1	1	
5	OB-29 (6")		6/9/09	0940	G	SO	1	1	
6	OB-29 (24")		6/9/09	0940	G	SO	1	1	
7	OB-30 (6")		6/9/09	0950	G	SO	1	1	
8	OB-31 (12")		6/9/09	1008	G	SO	1		1

SAMPLED BY (Please Print): Joe Janick
LOGGED BY (signature): [signature] Date: 6/9/09 Time: 2146
REVIEWED BY (signature): [signature] Date: 06/10/09 Time: 1531

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	[signature] / ARM	6/9/09	1526	2	[signature]	6/9/09	1526
3				4			
5				6			
7				8			
9				10			

Received by: [signature] Cooler Temp: 2°C Therm. ID: 5103555
No. of Coolers:
Notes:

Correct containers?	Y (circled)	N
Correct sample volume?	Y (circled)	N
Correct preservation?	Y (circled)	N
Headspace/Volatiles?	Y	N (circled)
Circle appropriate Y or N.		
Custody seals Present?	Y	N (circled)
(if present) Seals intact?	Y	N
Received on ice?	Y (circled)	N
COC/Labels complete/accurate?	Y (circled)	N
Container in good condition?	Y (circled)	N

Data Deliverables: ☐ Standard ☐ CLP-like ☐ NJ-Reduced ☐ NJ-Full ☐
EDDs Required? ☐ If yes, format type:
SDWA Forms? yes ☐ yes ☐ yes ☐ yes ☐ Other
State Samples Collected In? MD ☐ NJ ☐ NY ☐ PA ☐
Enter PWSID No
DOD Criteria Required?

ALSI FIELD SERVICES: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other:

* G=Grab; C=Composite **Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY ***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.
Rev 6/07

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 2 of 2
Courier:
Tracking #:
9793417 COC#

Co. Name: ARM Group, Inc
Contact (Report to): Dan Buterbaugh
Phone:
Address: Hershey, PA

Bill to (if different than Report to):
PO#:
Project Name/#: York NWT/07214
ALSI Quote #:
TAT: ☑ Normal-Standard TAT is 10-12 business days. ☐ Rush-Subject to ALSI approval and surcharges.
Data Required:
Approved By:
Email? ☑ -Y dbuterbaugh
Fax? -Y No.:

					***Container Type	CG	CG																
					***Container Size	40z	40z																
					Preservative	None	None																
					ANALYSES/METHOD REQUESTED																		
								Total PB	1,2-Dimethylhydrazine	Arsenic													
Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	*Matrix	Enter Number of Containers Per Analysis																	
1 OB-32 (12")		6/9/09	1020	G	SO	1			1														
2 OB-33 (12")		6/9/09	1025	G	SO	1			1														
3 OB-34 (12")		6/9/09	1050	G	SO	1			1														
4																							
5																							
6																							
7																							
8																							

Receipt Information (completed by Sample Receipt)
Performed by: DGB
Cooler Temp: 2°C
Therm. ID: 5103155
No. of Coolers:
Notes:

Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Circle appropriate Y or N.		
Y	Y	Y	Y			
Y	Y	Y	Y			
N	N	N	N			
Y	Y	Y	Y			
Custody seals Present?	(if present) Seals intact?	Received on ice?	COC/Labels complete/accurate?	Container in good condition?		

SAMPLED BY (Please Print): Joe Janick
LOGGED BY (signature): DATE 6/9/09 TIME 1246
REVIEWED BY (signature): DATE 06/10/09 TIME 1530

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 Joe Janick/ARM	6/9/09	1526	2 [illegible]	6/9/09	1526
3			4		
5			6		
7			8		
9			10		

Data Deliverables: ☐ Standard ☐ CLP-like ☐ NJ-Reduced ☐ NJ-Full ☐ other:
EDDs Required? ☐ If yes, format type:
SDWA Forms? → yes ☐ yes ☐ yes ☐ yes ☐
State Samples Collected in? MD ☐ NJ ☐ NY ☐ PA ☐
Other
→ Enter PWSID No.
DOD Criteria Required?

ALSI FIELD SERVICES: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other:

* G=Grab; C=Composite
**Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.
Rev 6/07

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Certificate of Analysis

Project Name:	NWT YORK PROJECT	Workorder:	9794214
Purchase Order:	07214	Workorder ID:	Soils (06/12/09)

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

June 17, 2009

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Friday, June 12, 2009

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAC accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALSI.

NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Steve Fulton

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Laboratory Manager

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SAMPLE SUMMARY

Workorder: 9794214 Soils (06/12/09) Discard Date: 07/16/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9794214001	OB-S1 (5')	Solid	6/12/09 09:50	6/12/09 11:15	Dan Buterbaugh
9794214002	OB-S2 (5')	Solid	6/12/09 09:51	6/12/09 11:15	Dan Buterbaugh

Workorder Comments:

Notes

- -- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
- -- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- -- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- -- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- -- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9794214 Soils (06/12/09)

Lab ID: **9794214001** Date Collected: 6/12/2009 09:50 Matrix: Solid

Sample ID: **OB-S1 (5')** Date Received: 6/12/2009 11:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	15.4	%		0.1	0.01	SM20-2540 G			6/12/09 22:55	MBR	A
Total Solids	84.6	%		0.1	0.01	SM20-2540 G			6/12/09 22:55	MBR	A
METALS											
Lead, Total	91.3	mg/kg		0.44	0.14	SW846 6020A	6/15/09	BMS	6/15/09 16:17	AJB	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9794214 Soils (06/12/09)

Lab ID: **9794214002** Date Collected: 6/12/2009 09:51 Matrix: Solid

Sample ID: **OB-S2 (5')** Date Received: 6/12/2009 11:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	16.0	%		0.1	0.01	SM20-2540 G			6/12/09 22:55	MBR	A
Total Solids	84.0	%		0.1	0.01	SM20-2540 G			6/12/09 22:55	MBR	A
METALS											
Lead, Total	72.0	mg/kg		0.47	0.15	SW846 6020A	6/15/09	BMS	6/15/09 16:22	AJB	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 1
Courier:
Tracking #:

9794214

Co. Name: ARM Group
Contact (Report to): D Butterbaugh
Address: Hershey PA
Phone:

Bill to (if different than Report to):
PO#:

Project Name/#: NWT York / 07214
ALSI Quote #:

TAT: [X] Normal-Standard TAT is 10-12 business days. [ ] Rush-Subject to ALSI approval and surcharges.
Date Required:
Approved By:

Email? [X] -Y dbutterbaugh@armgroup.net
Fax? [ ] -Y No.:

***Container Type: G
***Container Size: 4 oz
Preservative: —

ANALYSES/METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Total Pb
1	OB-S1 (5')		6/12/09	0950		S	1
2	OB-S2 (5')		1	0951		S	1
3							
4							
5							
6							
7							
8							

Enter Number of Containers Per Analysis

(completed by Sample Receiving)
Performed by: DCS
Cooler Temp: 21°C
Therm. ID: 51023SST
No. of Coolers:
Notes:

Correct containers? Y N
Correct sample volume? Y N
Correct preservation? Y N
Headspace/Volatiles? Y N
Circle appropriate Y or N.

Custody seals Present? Y N
(if present) Seals intact? Y N
Received on ice? Y N
COC/Labels complete/accurate? Y N
Container in good condition? Y N

SAMPLED BY (Please Print): D Butterbaugh
LOGGED BY (signature): [signature] DATE 6/12/09 TIME 1256
REVIEWED BY (signature): K Wolfgang DATE 6/15/09 11:30

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	[signature]	6/12/09	1115	2	[signature]	6/12/09	1115
3				4			
5				6			
7				8			
9				10			

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] ____ other
EDDs Required? [ ] If yes, format type:
SDWA Forms? yes [ ] yes [ ] yes [ ] yes [ ]
State Samples Collected In? MD [ ] NJ [ ] NY [ ] PA [ ]
Other
Enter PWSID No.
DOD Criteria Required?

ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite **Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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Certificate of Analysis

Project Name:	**NWT YORK PROJECT**	Workorder:	**9800009**
Purchase Order:	**07214**	Workorder ID:	**Soils (07/02/09)**

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

July 23, 2009

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Monday, July 20, 2009

ALSI is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAP accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALSI.

NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Steve Fulton

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Laboratory Manager

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SAMPLE SUMMARY

Workorder: 9800009 Soils (07/02/09) Discard Date: 08/21/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9800009001	OB-F[36]	Solid	7/2/09 12:00	7/20/09 12:20	Joe Janick
9800009002	OB-G[36]	Solid	7/2/09 12:30	7/20/09 12:20	Joe Janick
9800009003	OB-H[36]	Solid	7/2/09 12:25	7/20/09 12:20	Joe Janick
9800009004	OB-I[36]	Solid	7/2/09 12:10	7/20/09 12:20	Joe Janick
9800009005	OB-M[36]	Solid	7/2/09 16:28	7/20/09 12:20	Joe Janick
9800009006	OB-N[36]	Solid	7/2/09 13:55	7/20/09 12:20	Joe Janick
9800009007	OB-O[36]	Solid	7/2/09 14:05	7/20/09 12:20	Joe Janick
9800009008	OB-P[24]	Solid	7/2/09 14:12	7/20/09 12:20	Joe Janick
9800009009	OB-R[36]	Solid	7/2/09 14:20	7/20/09 12:20	Joe Janick

Workorder Comments:

Notes

-- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9800009 Soils (07/02/09)

Lab ID: **9800009001** Date Collected: 7/2/2009 12:00 Matrix: Solid
Sample ID: **OB-F[36]** Date Received: 7/20/2009 12:20

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	12.0	%		0.1	0.01	SM20-2540 G			7/20/09 15:15	ZRD	A
Total Solids	88.0	%	1	0.1	0.01	SM20-2540 G			7/20/09 15:15	ZRD	A
METALS											
Arsenic, Total	72.4	mg/kg		1.7	0.56	SW846 6020A	7/21/09	MNP	7/21/09 22:42	MWO	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9800009 Soils (07/02/09)

Lab ID: **9800009002** Date Collected: 7/2/2009 12:30 Matrix: Solid
Sample ID: **OB-G[36]** Date Received: 7/20/2009 12:20

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	17.5	%		0.1	0.01	SM20-2540 G			7/20/09 15:15	ZRD	A
Total Solids	82.5	%	1	0.1	0.01	SM20-2540 G			7/20/09 15:15	ZRD	A
METALS											
Arsenic, Total	64.1	mg/kg		1.8	0.61	SW846 6020A	7/21/09	MNP	7/21/09 22:46	MWO	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9800009 Soils (07/02/09)

Lab ID: **9800009003** Date Collected: 7/2/2009 12:25 Matrix: Solid
Sample ID: **OB-H[36]** Date Received: 7/20/2009 12:20

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	17.8	%		0.1	0.01	SM20-2540 G			7/20/09 15:15	ZRD	A
Total Solids	82.2	%	1	0.1	0.01	SM20-2540 G			7/20/09 15:15	ZRD	A
METALS											
Arsenic, Total	6.7	mg/kg		1.7	0.57	SW846 6020A	7/21/09	MNP	7/21/09 22:49	MWO	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9800009 Soils (07/02/09)

Lab ID: **9800009004** Date Collected: 7/2/2009 12:10 Matrix: Solid
Sample ID: **OB-I[36]** Date Received: 7/20/2009 12:20

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	18.2	%		0.1	0.01	SM20-2540 G			7/20/09 15:15	ZRD	A
Total Solids	81.8	%	1	0.1	0.01	SM20-2540 G			7/20/09 15:15	ZRD	A
METALS											
Arsenic, Total	3.6	mg/kg		1.8	0.59	SW846 6020A	7/21/09	MNP	7/21/09 22:53	MWO	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9800009 Soils (07/02/09)

Lab ID: **9800009005** Date Collected: 7/2/2009 16:28 Matrix: Solid
Sample ID: **OB-M[36]** Date Received: 7/20/2009 12:20

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	15.6	%		0.1	0.01	SM20-2540 G			7/20/09 15:15	ZRD	A
Total Solids	84.4	%	1	0.1	0.01	SM20-2540 G			7/20/09 15:15	ZRD	A
METALS											
Arsenic, Total	8.9	mg/kg		1.6	0.55	SW846 6020A	7/21/09	MNP	7/21/09 22:56	MWO	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9800009 Soils (07/02/09)

Lab ID: **9800009006** Date Collected: 7/2/2009 13:55 Matrix: Solid
Sample ID: **OB-N[36]** Date Received: 7/20/2009 12:20

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	16.2	%		0.1	0.01	SM20-2540 G			7/20/09 15:15	ZRD	A
Total Solids	83.8	%	1	0.1	0.01	SM20-2540 G			7/20/09 15:15	ZRD	A
METALS											
Arsenic, Total	9.4	mg/kg		1.6	0.54	SW846 6020A	7/21/09	MNP	7/21/09 23:00	MWO	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9800009 Soils (07/02/09)

Lab ID: **9800009007** Date Collected: 7/2/2009 14:05 Matrix: Solid
Sample ID: **OB-O[36]** Date Received: 7/20/2009 12:20

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	16.5	%		0.1	0.01	SM20-2540 G			7/20/09 15:15	ZRD	A
Total Solids	83.5	%	1	0.1	0.01	SM20-2540 G			7/20/09 15:15	ZRD	A
METALS											
Arsenic, Total	10.3	mg/kg		1.8	0.60	SW846 6020A	7/21/09	MNP	7/21/09 23:04	MWO	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9800009 Soils (07/02/09)

Lab ID: **9800009008** Date Collected: 7/2/2009 14:12 Matrix: Solid
Sample ID: **OB-P[24]** Date Received: 7/20/2009 12:20

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	11.9	%		0.1	0.01	SM20-2540 G			7/20/09 15:15	ZRD	A
Total Solids	88.1	%	1	0.1	0.01	SM20-2540 G			7/20/09 15:15	ZRD	A
METALS											
Arsenic, Total	32.0	mg/kg		1.6	0.55	SW846 6020A	7/21/09	MNP	7/21/09 23:07	MWO	A1

Sample Comments:

Anna G Milliken
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ANALYTICAL RESULTS

Workorder: 9800009 Soils (07/02/09)

Lab ID: **9800009009** Date Collected: 7/2/2009 14:20 Matrix: Solid
Sample ID: **OB-R[36]** Date Received: 7/20/2009 12:20

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	16.9	%		0.1	0.01	SM20-2540 G			7/20/09 15:15	ZRD	A
Total Solids	83.1	%	1	0.1	0.01	SM20-2540 G			7/20/09 15:15	ZRD	A
METALS											
Arsenic, Total	12.9	mg/kg		1.8	0.59	SW846 6020A	7/21/09	MNP	7/21/09 23:18	MWO	A1

Sample Comments:

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ANALYTICAL RESULTS QUALIFIERS\FLAGS

Workorder: 9800009 Soils (07/02/09)

PARAMETER QUALIFIERS\FLAGS

[1] Analyte was analyzed past the 14 day holding time.

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 2
Courier:
Tracking #:

Co. Name: ARM Group
Contact (Report to): D Butsbaugh
Phone:
Address: Hershey PA

Bill to (if different than Report to):
PO#:

Project Name/#: NWT York/07214
ALSI Quote #: 07/26/09

TAT: [ ] Normal-Standard TAT is 10-12 business days. [X] Rush-Subject to ALSI approval and surcharges.
Date Required: 3 day
Approved By: DB

Email? [X] -Y dbutsbaugh@armgroup.net
Fax? [ ] -Y No.: sfulton@armgroup.net

***Container Type: PG
***Container Size: 4 oz
***Preservative: —

ANALYSES/METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Arsenic (Total)	
1	OB-F (36")		7/2/09	1200	G	S	1	G4oz
2	OB-G (36")			1230			1	
3	OB-H (36")			1225			1	
4	OB-I (36")			1210			1	
5	OB-M (36")			1628			1	BAG
6	OB-N (36")			1355			1	G4oz
7	OB-O (36")			1405			1	
8	OB-P (24")			1412			1	

Enter Number of Containers Per Analysis

Correct containers? Y N
Correct sample volume? Y N
Correct preservation? Y N
Headspace/Volatiles? Y N
Circle appropriate Y or N.
Custody seals Present? Y N
(If present) Seals intact? Y N
Received on ice? Y N
COC/Labels complete/accurate? Y N
Container in good condition? Y N

SAMPLED BY (Please Print): J Janick
LOGGED BY (signature): [signature] DATE 7-20-09 1421
REVIEWED BY (signature): [signature] DATE 07/21/09 1443

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	[signature]	7/20/09	1220	2	Osborn Trowing ALSI	7/20/09	1220
3				4			
5				6			
7				8			
9				10			

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ]
SDWA Forms? yes [ ] yes [ ] yes [ ] yes [ ]
State Samples Collected In? MD [ ] NJ [ ] NY [ ] PA [ ]
EDDs Required? [ ] If yes, format type: Other
Enter PWSID No.
DOD Criteria Required?

ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

(Completed by Sample Receiving)
Performed by: ARM
Cooler Temp: 6
Therm. ID: 5023559
No. of Coolers:
Notes:

* G=Grab; C=Composite **Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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Certificate of Analysis

Project Name:	**NWT YORK PROJECT**	Workorder:	**9801042**
Purchase Order:	**07214**	Workorder ID:	**Arsenic on Soil (07/27/09)**

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

August 4, 2009

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Monday, July 27, 2009

ALSI is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAP accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALSI.

NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Steve Fulton

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Laboratory Manager

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SAMPLE SUMMARY

Workorder: 9801042 Arsenic on Soil (07/27/09) Discard Date: 09/02/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9801042001	OB-2[36]	Solid	7/27/09 12:05	7/27/09 17:10	Dan Buterbaugh
9801042002	S-31[24]	Solid	7/27/09 13:12	7/27/09 17:10	Dan Buterbaugh
9801042003	OB-F[48]	Solid	7/27/09 11:25	7/27/09 17:10	Dan Buterbaugh
9801042004	OB-G[48]	Solid	7/27/09 11:12	7/27/09 17:10	Dan Buterbaugh
9801042005	OB-P[36]	Solid	7/27/09 10:35	7/27/09 17:10	Dan Buterbaugh
9801042006	OB-P[48]	Solid	7/27/09 10:35	7/27/09 17:10	Dan Buterbaugh
9801042007	OB-R[48]	Solid	7/27/09 10:55	7/27/09 17:10	Dan Buterbaugh
9801042008	OB-AC[48]	Solid	7/27/09 11:45	7/27/09 17:10	Dan Buterbaugh
9801042009	OB-AD[36]	Solid	7/27/09 11:35	7/27/09 17:10	Dan Buterbaugh
9801042010	OB-AF[12]	Solid	7/27/09 13:45	7/27/09 17:10	Dan Buterbaugh
9801042011	OB-AF[24]	Solid	7/27/09 13:45	7/27/09 17:10	Dan Buterbaugh
9801042012	OB-AG[12]	Solid	7/27/09 14:05	7/27/09 17:10	Dan Buterbaugh
9801042013	OB-AG[24]	Solid	7/27/09 14:05	7/27/09 17:10	Dan Buterbaugh
9801042014	OB-AH[8]	Solid	7/27/09 13:25	7/27/09 17:10	Dan Buterbaugh
9801042015	OB-AI[12]	Solid	7/27/09 14:25	7/27/09 17:10	Dan Buterbaugh
9801042016	OB-AI[24]	Solid	7/27/09 14:25	7/27/09 17:10	Dan Buterbaugh
9801042017	OB-AJ[12]	Solid	7/27/09 14:40	7/27/09 17:10	Dan Buterbaugh
9801042018	OB-AJ[24]	Solid	7/27/09 14:40	7/27/09 17:10	Dan Buterbaugh
9801042019	OB-AK[24]	Solid	7/27/09 13:35	7/27/09 17:10	Dan Buterbaugh
9801042020	OB-AL[12]	Solid	7/27/09 15:00	7/27/09 17:10	Dan Buterbaugh
9801042021	OB-AL[24]	Solid	7/27/09 15:00	7/27/09 17:10	Dan Buterbaugh
9801042022	OB-AM[12]	Solid	7/27/09 15:20	7/27/09 17:10	Dan Buterbaugh
9801042023	OB-AM[36]	Solid	7/27/09 15:20	7/27/09 17:10	Dan Buterbaugh

Workorder Comments:

This report was modified to correct the sample ID of 9801042 002 at the telephone request of Dan Buterbaugh on 08/03/09. SJB 08/03/09

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SAMPLE SUMMARY

Workorder: 9801042 Arsenic on Soil (07/27/09) Discard Date: 08/30/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By

Notes

- -- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
- -- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- -- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- -- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- -- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9801042 Arsenic on Soil (07/27/09)

Lab ID: **9801042001** Date Collected: 7/27/2009 12:05 Matrix: Solid
Sample ID: **OB-2[36]** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	21.7	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
Total Solids	78.3	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
METALS											
Arsenic, Total	6.7	mg/kg		1.8	0.60	SW846 6020A	7/28/09	BMS	7/30/09 15:57	AJB	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9801042 Arsenic on Soil (07/27/09)

Lab ID: **9801042002** Date Collected: 7/27/2009 13:12 Matrix: Solid
Sample ID: **S-31[24]** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	10.5	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
Total Solids	89.5	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
METALS											
Arsenic, Total	29.6	mg/kg		1.7	0.56	SW846 6020A	7/28/09	BMS	7/30/09 16:03	AJB	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9801042 Arsenic on Soil (07/27/09)

Lab ID: **9801042003** Date Collected: 7/27/2009 11:25 Matrix: Solid
Sample ID: **OB-F[48]** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	13.4	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
Total Solids	86.6	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
METALS											
Arsenic, Total	7.0	mg/kg	1,2	1.7	0.57	SW846 6020A	7/28/09	BMS	7/30/09 16:09	AJB	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9801042 Arsenic on Soil (07/27/09)

Lab ID: **9801042004** Date Collected: 7/27/2009 11:12 Matrix: Solid
Sample ID: **OB-G[48]** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	14.9	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
Total Solids	85.1	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
METALS											
Arsenic, Total	6.1	mg/kg		1.7	0.58	SW846 6020A	7/28/09	BMS	7/30/09 16:39	AJB	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9801042 Arsenic on Soil (07/27/09)

Lab ID: **9801042005** Date Collected: 7/27/2009 10:35 Matrix: Solid
Sample ID: **OB-P[36]** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	17.2	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
Total Solids	82.8	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
METALS											
Arsenic, Total	13.2	mg/kg		1.8	0.59	SW846 6020A	7/28/09	BMS	7/30/09 16:57	AJB	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9801042 Arsenic on Soil (07/27/09)

Lab ID: **9801042006** Date Collected: 7/27/2009 10:35 Matrix: Solid
Sample ID: **OB-P[48]** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	22.3	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
Total Solids	77.7	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
METALS											
Arsenic, Total	5.9	mg/kg		1.9	0.63	SW846 6020A	7/28/09	BMS	7/30/09 17:03	AJB	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9801042 Arsenic on Soil (07/27/09)

Lab ID: **9801042007** Date Collected: 7/27/2009 10:55 Matrix: Solid
Sample ID: **OB-R[48]** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	8.2	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
Total Solids	91.8	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
METALS											
Arsenic, Total	6.7	mg/kg		1.6	0.54	SW846 6020A	7/28/09	BMS	7/30/09 17:09	AJB	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9801042 Arsenic on Soil (07/27/09)

Lab ID: **9801042008** Date Collected: 7/27/2009 11:45 Matrix: Solid
Sample ID: **OB-AC[48]** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	14.5	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
Total Solids	85.5	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
METALS											
Arsenic, Total	17.0	mg/kg		1.7	0.56	SW846 6020A	7/28/09	BMS	7/30/09 17:15	AJB	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9801042 Arsenic on Soil (07/27/09)

Lab ID: **9801042009** Date Collected: 7/27/2009 11:35 Matrix: Solid

Sample ID: **OB-AD[36]** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	17.7	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
Total Solids	82.3	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
METALS											
Arsenic, Total	9.9	mg/kg		1.8	0.58	SW846 6020A	7/28/09	BMS	7/30/09 17:21	AJB	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9801042 Arsenic on Soil (07/27/09)

Lab ID: **9801042010** Date Collected: 7/27/2009 13:45 Matrix: Solid
Sample ID: **OB-AF[12]** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	8.3	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
Total Solids	91.7	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
METALS											
Arsenic, Total	5.6	mg/kg		1.6	0.55	SW846 6020A	7/28/09	BMS	7/30/09 17:27	AJB	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9801042 Arsenic on Soil (07/27/09)

Lab ID: **9801042011** Date Collected: 7/27/2009 13:45 Matrix: Solid
Sample ID: **OB-AF[24]** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	13.2	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
Total Solids	86.8	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
METALS											
Arsenic, Total	2.9	mg/kg		1.7	0.55	SW846 6020A	7/28/09	BMS	7/30/09 17:33	AJB	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9801042 Arsenic on Soil (07/27/09)

Lab ID: **9801042012** Date Collected: 7/27/2009 14:05 Matrix: Solid
Sample ID: **OB-AG[12]** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	6.6	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
Total Solids	93.4	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
METALS											
Arsenic, Total	27.5	mg/kg		1.4	0.47	SW846 6020A	7/28/09	BMS	7/30/09 17:39	AJB	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9801042 Arsenic on Soil (07/27/09)

Lab ID: **9801042013** Date Collected: 7/27/2009 14:05 Matrix: Solid
Sample ID: **OB-AG[24]** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	15.0	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
Total Solids	85.0	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
METALS											
Arsenic, Total	2.6	mg/kg		1.7	0.56	SW846 6020A	7/28/09	BMS	7/30/09 18:05	AJB	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9801042 Arsenic on Soil (07/27/09)

Lab ID: **9801042014** Date Collected: 7/27/2009 13:25 Matrix: Solid
Sample ID: **OB-AH[8]** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	4.9	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
Total Solids	95.1	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
METALS											
Arsenic, Total	2.1	mg/kg		1.5	0.52	SW846 6020A	7/28/09	BMS	7/30/09 18:09	AJB	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9801042 Arsenic on Soil (07/27/09)

Lab ID: **9801042015** Date Collected: 7/27/2009 14:25 Matrix: Solid
Sample ID: **OB-AI[12]** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	11.0	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
Total Solids	89.0	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
METALS											
Arsenic, Total	5.0	mg/kg	2	1.5	0.48	SW846 6020A	7/28/09	BMS	7/30/09 18:13	AJB	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9801042 Arsenic on Soil (07/27/09)

Lab ID: **9801042016** Date Collected: 7/27/2009 14:25 Matrix: Solid

Sample ID: **OB-AI[24]** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	11.3	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
Total Solids	88.7	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
METALS											
Arsenic, Total	5.8	mg/kg		1.5	0.49	SW846 6020A	7/28/09	BMS	7/30/09 18:33	AJB	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9801042 Arsenic on Soil (07/27/09)

Lab ID: **9801042017** Date Collected: 7/27/2009 14:40 Matrix: Solid

Sample ID: **OB-AJ[12]** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	11.3	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
Total Solids	88.7	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
METALS											
Arsenic, Total	9.1	mg/kg		1.5	0.50	SW846 6020A	7/28/09	BMS	7/30/09 18:45	AJB	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9801042 Arsenic on Soil (07/27/09)

Lab ID: **9801042018** Date Collected: 7/27/2009 14:40 Matrix: Solid
Sample ID: **OB-AJ[24]** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	14.0	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
Total Solids	86.0	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
METALS											
Arsenic, Total	7.0	mg/kg		1.6	0.52	SW846 6020A	7/28/09	BMS	7/30/09 18:50	AJB	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9801042 Arsenic on Soil (07/27/09)

Lab ID: **9801042019** Date Collected: 7/27/2009 13:35 Matrix: Solid
Sample ID: **OB-AK[24]** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	12.8	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
Total Solids	87.2	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
METALS											
Arsenic, Total	5.3	mg/kg		1.6	0.53	SW846 6020A	7/28/09	BMS	7/30/09 18:54	AJB	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9801042 Arsenic on Soil (07/27/09)

Lab ID: **9801042020** Date Collected: 7/27/2009 15:00 Matrix: Solid
Sample ID: **OB-AL[12]** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	13.2	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
Total Solids	86.8	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
METALS											
Arsenic, Total	15.8	mg/kg		1.5	0.50	SW846 6020A	7/28/09	BMS	7/30/09 18:58	AJB	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9801042 Arsenic on Soil (07/27/09)

Lab ID: **9801042021** Date Collected: 7/27/2009 15:00 Matrix: Solid
Sample ID: **OB-AL[24]** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	16.9	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
Total Solids	83.1	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
METALS											
Arsenic, Total	20.1	mg/kg		1.6	0.53	SW846 6020A	7/28/09	BMS	7/30/09 19:02	AJB	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9801042 Arsenic on Soil (07/27/09)

Lab ID: **9801042022** Date Collected: 7/27/2009 15:20 Matrix: Solid
Sample ID: **OB-AM[12]** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	5.7	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
Total Solids	94.3	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
METALS											
Arsenic, Total	3.9	mg/kg		1.4	0.46	SW846 6020A	7/28/09	BMS	7/30/09 19:05	AJB	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9801042 Arsenic on Soil (07/27/09)

Lab ID: **9801042023** Date Collected: 7/27/2009 15:20 Matrix: Solid
Sample ID: **OB-AM[36]** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	14.4	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
Total Solids	85.6	%		0.1	0.01	SM20-2540 G			7/28/09 05:50	EL	A
METALS											
Arsenic, Total	12.7	mg/kg		1.5	0.49	SW846 6020A	7/28/09	BMS	7/30/09 19:09	AJB	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS QUALIFIERS\FLAGS

Workorder: 9801042 Arsenic on Soil (07/27/09)

PARAMETER QUALIFIERS\FLAGS

[1] The Relative Percent Difference (RPD) between the matrix spike and the matrix spike duplicate was outside of the established control limits for this analyte.

[2] The recovery of the Matrix Spike (MS) associated to this analyte was outside of the established control limits. The sample was post-digestion spiked, and this matrix spike was within acceptable recovery limits.

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of ___
Courier:
Tracking #:
9801042

Co. Name: ARM Group
Contact (Report to): D Buterbaugh
Phone:
Address: Hershey

Bill to (if different than Report to):
PO#:

Project Name/#: NWT York 07214
ALSI Quote #:
TAT: Normal-Standard TAT is 10-12 business days. / ☑ Rush-Subject to ALSI approval and surcharges.
Date Required: 8/3/09
Approved By:
Email? ☑ Y dbuterbaugh@armgroup.net
Fax? Y No: sfelton@armgroup.net

***Container Type: G
***Container Size: 4
***Preservative: —

ANALYSES/METHOD REQUESTED: Arsenic

#	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Arsenic (Enter Number of Containers Per Analysis)
1	OB-2 (36")		7/21/09	1205	G	S	1
2	S-OB-31 (24") DB			1312			1
3	OB-E (48")			1125			1
4	OB-G (48")			1112			1
5	OB-P (36")			1035			1
6	OB-P (48")			1035			1
7	DB-R (48")			1055			1
8	DB-AC (48")			1145			1

Receipt Information (completed by Sample Receiving)
Performed by: [signature]
Cooler Temp: 4
Therm. ID: [illegible]
No. of Coolers:
Notes:

	Y	N
Correct containers?	✓	
Correct sample volume?	✓	
Correct preservation?	✓	
Headspace/Volatiles?		
Custody seals Present?		✓
(If present) Seals intact?		
Received on ice?	✓	
COC/Labels complete/accurate?	✓	
Container in good condition?	✓	

Circle appropriate Y or N.

SAMPLED BY (Please Print): D Buterbaugh
LOGGED BY (signature): [signature] Date 7/21/09 Time 1910
REVIEWED BY (signature): [signature] Date 07/31/09 Time 1105

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	[signature]	7/21/09	1710	2	[signature]	7/21/09	1710
3				4			
5				6			
7				8			
9				10			

Data Deliverables: ☐ Standard ☐ CLP-like ☐ NJ-Reduced ☐ NJ-Full ☐
SDWA Forms? yes ☐ yes ☐ yes ☐ yes ☐
State Samples Collected In? MD ☐ NJ ☐ NY ☐ PA ☐
EDDs Required? ☐ If yes, format type: Other
Enter PWSID No.
DOD Criteria Required?

ALSI FIELD SERVICES: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other:

* G=Grab; C=Composite
**Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 2 of ___
Courier:
Tracking #:
COC# 9801042

Co. Name: ARM Group
Contact (Report to): D Butchaugh
Phone:
Address: Hershey PA

Bill to (if different than Report to):
PO#:

Project Name/#: NWT York 0214
ALSI Quote #:

TAT: ☐ Normal-Standard TAT is 10-12 business days. ☑ Rush-Subject to ALSI approval and surcharges.
Date Required: 8/3/09
Approved By:

Email? ☑ -Y dbutchaugh@armgroup.net
Fax? ☐ -Y No. sfulton@armgroup.net

***Container Type	G																
***Container Size	4																
*** Preservative																	

ANALYSES/METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Arsenic									
1	OB-AD (36")		7/27/09	1135	G	S	1									
2	OB-AF (12")			1345			1									
3	OB-AF (24")			1345			1									
4	OB-AG (12")			1405			1									
5	OB-AG (24")			1405			1									
6	OB-AH (8")			1325			1									
7	OB-AI (12")			1425			1									
8	OB-AI (24")			1425			1									

Enter Number of Containers Per Analysis

Receipt Information (completed by Sample Receiver)
Performed by: ☑ NAME
Cooler Temp: 4
Therm. ID: 5/1103
No. of Coolers:
Notes:

Sample	Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Circle appropriate Y or N.
1	☑ N	☑ N	☑ N	☑ Y	
2	☑ N	☑ N	☑ N	☑ Y	
3	☑ N	☑ N	☑ N	☑ Y	
4	☑ N	☑ N	☑ N	☑ Y	
5	☑ N	☑ N	☑ N	☑ Y	
6	☑ N	☑ N	☑ N	☑ Y	
7	☑ N	☑ N	☑ N	☑ Y	
8	☑ N	☑ N	☑ N	☑ Y	

Custody seals Present?	(if present) Seals intact?	Received on ice?	COC/Labels complete/accurate?	Container in good condition?
☑ Y	☑ Y	☑ N	☑ Y	☑ Y

SAMPLED BY (Please Print): [signature]
LOGGED BY (signature): [signature] Date 7/27/09 Time 1810
REVIEWED BY (signature): [signature] Date 07/31/09 Time 1105

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	[signature]	7/27/09	1710	2	[signature]	7/27/09	1710
3				4			
5				6			
7				8			
9				10			

Data Deliverables: ☐ Standard ☐ CLP-like ☐ NJ-Reduced ☐ NJ-Full ☐ other
SDWA Forms? yes ☐ yes ☐ yes ☐ yes ☐
State Samples Collected In? MD ☐ NJ ☐ NY ☐ PA ☐
EDDs Required? ☐ If yes, format type: Other
⇒ Enter PWSID No.
DOD Criteria Required?

ALSI FIELD SERVICES: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other:

* G=Grab; C=Composite **Matrix: Af=Air; OW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 3 of ___
Courier:
Tracking #:
COC# 9801042

Co. Name: ARM Group
Contact (Report to): D Butterbaugh
Address: Hershey
Phone:

Bill to (if different from Report to):
PO#:

Project Name/#: NWT York 07214
ALSI Quote #:
TAT: [ ] Normal-Standard TAT is 10-12 business days. [/] Rush-Subject to ALSI approval and surcharges.
Date Required: 8/3/09
Approved By:
Email? [/] -Y
Fax? [ ] -Y No.

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Arsenic
1	OB-AJ (12")		7/22/09	1440	G	S	1
2	OB-AJ (24")			1440			1
3	OB-AK (8")	Labeled as OB-AK (24) SL 7-27-09		1335			1
4	OB-AL (12")			1500			1
5	OB-AL (24")			1500			1
6	OB-AM (12")			1520			1
7	OB-AM (36")			1520			1
8							

***Container Type: G
***Container Size: 4
**Preservative: —

ANALYSES/METHOD REQUESTED — Enter Number of Containers Per Analysis

SAMPLED BY (Please Print): D Butterbaugh
LOGGED BY (signature): DATE 7/27/09 TIME 1820
REVIEWED BY (signature): DATE 07/31/09 TIME 1104

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	7/27/09	1710	2	7/27/09	1710
3			4		
5			6		
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-Like [ ] NJ-Reduced [ ] NJ-Full [ ] ____
EDDs Required? [ ] If yes, format type:
SDWA Format? yes / yes / yes / yes
Other
State Samples Collected In? MD / NJ / NY / PA
DOD Criteria Required?
Enter PWSID No.

Receipt Information (completed by Sample Receiver)
Performed by: Date/Time
Cooler Temp: 4
Therm. ID: 5116351
No. of Coolers:
Notes:

	Y	N
Correct containers?	/	
Correct sample volume?	/	
Correct preservation?	/	
Headspace/Volatiles?	Y	N
Custody seals Present?		/
(if present) Seals intact?	Y	N
Received on Ice?	/	N
COC/Labels complete/accurate?	/	N
Container in good condition?	/	N

Circle appropriate Y or N.

ALSI FIELD SERVICES
[ ] Pickup
[ ] Labor
[ ] Composite Sampling
[ ] Rental Equipment
[ ] Other:

* G=Grab; C=Composite
**Matrix: A=Air; DW=Drinking Water; GW=Groundwater; O=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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Certificate of Analysis

Project Name:	**NWT YORK PROJECT**	Workorder:	**9803229**
Purchase Order:	**07214**	Workorder ID:	**NWT York Project**

Mr. Steve Fulton
ARM Group
1129 W. Governor Road
PO Box 797
Hershey, PA 17033

August 12, 2009

Dear Mr. Fulton,

Enclosed are the analytical results for samples received by the laboratory on Monday, August 10, 2009

ALSI is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAP accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALSI.

NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Dan Buterbaugh

Anna G Milliken
Laboratory Manager

his page is included as part of the Analytical Report and must be retained as a permanent record thereof.

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SAMPLE SUMMARY

Workorder 9803229 NWT York Project

Discard Date: 09/11/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9803229001	OB-AN[6]	Solid	8/10/09 09:55	8/10/09 15:30	Dan Buterbaugh
9803229002	OB-AN[24]	Solid	8/10/09 09:55	8/10/09 15:30	Dan Buterbaugh
9803229003	OB-AO[6]	Solid	8/10/09 10:02	8/10/09 15:30	Dan Buterbaugh
9803229004	OB-AP[6]	Solid	8/10/09 10:12	8/10/09 15:30	Dan Buterbaugh
9803229005	OB-AP[24]	Solid	8/10/09 10:12	8/10/09 15:30	Dan Buterbaugh
9803229006	OB-AQ[6]	Solid	8/10/09 10:33	8/10/09 15:30	Dan Buterbaugh
9803229007	OB-AQ[6]	Solid	8/10/09 10:33	8/10/09 15:30	Dan Buterbaugh
9803229008	OB-AR[6]	Solid	8/10/09 10:50	8/10/09 15:30	Dan Buterbaugh
9803229009	OB-AR[24]	Solid	8/10/09 10:50	8/10/09 15:30	Dan Buterbaugh
9803229010	OB-AS[6]	Solid	8/10/09 11:05	8/10/09 15:30	Dan Buterbaugh
9803229011	OB-AS[24]	Solid	8/10/09 11:05	8/10/09 15:30	Dan Buterbaugh
9803229012	OB-AT[6]	Solid	8/10/09 11:20	8/10/09 15:30	Dan Buterbaugh
9803229013	OB-AT[24]	Solid	8/10/09 11:20	8/10/09 15:30	Dan Buterbaugh
9803229014	OB-AU[6]	Solid	8/10/09 11:35	8/10/09 15:30	Dan Buterbaugh
)3229015	OB-AU[6]	Solid	8/10/09 11:35	8/10/09 15:30	Dan Buterbaugh
9803229016	OB-16[36]	Solid	8/10/09 11:55	8/10/09 15:30	Dan Buterbaugh
9803229017	OB-AV[6]	Solid	8/10/09 12:15	8/10/09 15:30	Dan Buterbaugh
9803229018	OB-AV[24]	Solid	8/10/09 12:15	8/10/09 15:30	Dan Buterbaugh
9803229019	OB-AW[6]	Solid	8/10/09 13:05	8/10/09 15:30	Dan Buterbaugh
9803229020	OB-AX[6]	Solid	8/10/09 13:08	8/10/09 15:30	Dan Buterbaugh
9803229021	OB-AY[6]	Solid	8/10/09 13:12	8/10/09 15:30	Dan Buterbaugh
9803229022	OB-AZ[8]	Solid	8/10/09 13:30	8/10/09 15:30	Dan Buterbaugh
9803229023	OB-AZ[24]	Solid	8/10/09 13:30	8/10/09 15:30	Dan Buterbaugh
9803229024	OB-BA[6]	Solid	8/10/09 13:40	8/10/09 15:30	Dan Buterbaugh
9803229025	OB-AM[48]	Solid	8/10/09 13:55	8/10/09 15:30	Dan Buterbaugh

Workorder Comments:

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SAMPLE SUMMARY

Workorder 9803229 NWT York Project

Discard Date: 09/11/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By

Notes

- -- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
- -- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- -- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- -- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- -- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder 9803229 NWT York Project

Lab ID: **9803229001** Date Collected: 8/10/2009 09:55 Matrix: Solid
Sample ID: **OB-AN[6]** Date Received: 8/10/2009 15:30

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	10	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
Total Solids	90.0	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
METALS											
Arsenic, Total	7.6	mg/kg		1.7	0.56	SW846 6020A	8/11/09	MNP	8/11/09 10:49	LAM	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9803229 NWT York Project

Lab ID: **9803229002** Date Collected: 8/10/2009 09:55 Matrix: Solid
Sample ID: **OB-AN[24]** Date Received: 8/10/2009 15:30

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	12.1	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
Total Solids	87.9	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
METALS											
Arsenic, Total	9.3	mg/kg		1.6	0.52	SW846 6020A	8/11/09	MNP	8/11/09 10:55	LAM	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9803229 NWT York Project

Lab ID: **9803229003** Date Collected: 8/10/2009 10:02 Matrix: Solid
Sample ID: **OB-AO[6]** Date Received: 8/10/2009 15:30

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	8.3	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
Total Solids	91.7	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
METALS											
Arsenic, Total	21.8	mg/kg		1.5	0.51	SW846 6020A	8/11/09	MNP	8/11/09 11:22	LAM	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9803229 NWT York Project

Lab ID: **9803229004** Date Collected: 8/10/2009 10:12 Matrix: Solid
Sample ID: **OB-AP[6]** Date Received: 8/10/2009 15:30

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	8.4	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
Total Solids	91.6	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
METALS											
Arsenic, Total	50.8	mg/kg		1.5	0.51	SW846 6020A	8/11/09	MNP	8/11/09 11:28	LAM	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9803229 NWT York Project

Lab ID: **9803229005** Date Collected: 8/10/2009 10:12 Matrix: Solid
Sample ID: **OB-AP[24]** Date Received: 8/10/2009 15:30

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	11.6	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
Total Solids	88.4	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
METALS											
Arsenic, Total	7.5	mg/kg		1.4	0.48	SW846 6020A	8/11/09	MNP	8/11/09 11:33	LAM	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9803229 NWT York Project

Lab ID: **9803229006** Date Collected: 8/10/2009 10:33 Matrix: Solid
Sample ID: **OB-AQ[6]** Date Received: 8/10/2009 15:30

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	5.9	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
Total Solids	94.1	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
METALS											
Arsenic, Total	18.3	mg/kg		1.5	0.50	SW846 6020A	8/11/09	MNP	8/11/09 11:39	LAM	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9803229 NWT York Project

Lab ID: **9803229007** Date Collected: 8/10/2009 10:33 Matrix: Solid
Sample ID: **OB-AQ[6]** Date Received: 8/10/2009 15:30

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	5.6	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
Total Solids	94.4	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
METALS											
Arsenic, Total	3.8	mg/kg		1.3	0.45	SW846 6020A	8/11/09	MNP	8/11/09 11:55	LAM	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder 9803229 NWT York Project

Lab ID: **9803229008** Date Collected: 8/10/2009 10:50 Matrix: Solid
Sample ID: **OB-AR[6]** Date Received: 8/10/2009 15:30

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	7.2	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
Total Solids	92.8	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
METALS											
Arsenic, Total	8.5	mg/kg		1.6	0.52	SW846 6020A	8/11/09	MNP	8/11/09 12:01	LAM	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9803229 NWT York Project

Lab ID: **9803229009** Date Collected: 8/10/2009 10:50 Matrix: Solid
Sample ID: **OB-AR[24]** Date Received: 8/10/2009 15:30

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	12.2	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
Total Solids	87.8	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
METALS											
Arsenic, Total	13.0	mg/kg		1.6	0.55	SW846 6020A	8/11/09	MNP	8/11/09 12:06	LAM	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder 9803229 NWT York Project

Lab ID: **9803229010** Date Collected: 8/10/2009 11:05 Matrix: Solid

Sample ID: **OB-AS[6]** Date Received: 8/10/2009 15:30

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	6.4	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
Total Solids	93.6	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
METALS											
Arsenic, Total	13.0	mg/kg		1.5	0.49	SW846 6020A	8/11/09	MNP	8/11/09 12:12	LAM	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder 9803229 NWT York Project

Lab ID: **9803229011** Date Collected: 8/10/2009 11:05 Matrix: Solid
Sample ID: **OB-AS[24]** Date Received: 8/10/2009 15:30

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	12.7	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
Total Solids	87.3	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
METALS											
Arsenic, Total	7.2	mg/kg		1.5	0.50	SW846 6020A	8/11/09	MNP	8/11/09 12:17	LAM	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9803229 NWT York Project

Lab ID: **9803229012** Date Collected: 8/10/2009 11:20 Matrix: Solid
Sample ID: **OB-AT[6]** Date Received: 8/10/2009 15:30

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	10.5	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
Total Solids	89.5	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
METALS											
Arsenic, Total	10.1	mg/kg		1.6	0.52	SW846 6020A	8/11/09	MNP	8/11/09 14:10	LAM	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9803229 NWT York Project

Lab ID: **9803229013** Date Collected: 8/10/2009 11:20 Matrix: Solid
Sample ID: **OB-AT[24]** Date Received: 8/10/2009 15:30

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	10.9	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
Total Solids	89.1	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
METALS											
Arsenic, Total	9.5	mg/kg		1.6	0.52	SW846 6020A	8/11/09	MNP	8/11/09 14:13	LAM	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder 9803229 NWT York Project

Lab ID: **9803229014** Date Collected: 8/10/2009 11:35 Matrix: Solid
Sample ID: **OB-AU[6]** Date Received: 8/10/2009 15:30

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	7.2	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
Total Solids	92.8	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
METALS											
Arsenic, Total	13.7	mg/kg		1.5	0.50	SW846 6020A	8/11/09	MNP	8/11/09 14:15	LAM	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9803229 NWT York Project

Lab ID: **9803229015** Date Collected: 8/10/2009 11:35 Matrix: Solid
Sample ID: **OB-AU[6]** Date Received: 8/10/2009 15:30

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	5.2	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
Total Solids	94.8	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
METALS											
Arsenic, Total	7.4	mg/kg		1.5	0.49	SW846 6020A	8/11/09	MNP	8/11/09 14:18	LAM	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9803229 NWT York Project

Lab ID: **9803229016** Date Collected: 8/10/2009 11:55 Matrix: Solid
Sample ID: **OB-16[36]** Date Received: 8/10/2009 15:30

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	13.0	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
Total Solids	87.0	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
METALS											
Arsenic, Total	10	mg/kg		1.7	0.57	SW846 6020A	8/11/09	MNP	8/11/09 14:21	LAM	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9803229 NWT York Project

Lab ID: **9803229017** Date Collected: 8/10/2009 12:15 Matrix: Solid
Sample ID: **OB-AV[6]** Date Received: 8/10/2009 15:30

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	8.4	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
Total Solids	91.6	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
METALS											
Arsenic, Total	7.2	mg/kg		1.6	0.54	SW846 6020A	8/11/09	MNP	8/11/09 14:24	LAM	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9803229 NWT York Project

Lab ID: **9803229018** Date Collected: 8/10/2009 12:15 Matrix: Solid
Sample ID: **OB-AV[24]** Date Received: 8/10/2009 15:30

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	19.0	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
Total Solids	81.0	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
METALS											
Arsenic, Total	9.6	mg/kg		1.7	0.58	SW846 6020A	8/11/09	MNP	8/11/09 14:26	LAM	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9803229 NWT York Project

Lab ID: **9803229019** Date Collected: 8/10/2009 13:05 Matrix: Solid
Sample ID: **OB-AW[6]** Date Received: 8/10/2009 15:30

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	12.9	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
Total Solids	87.1	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
METALS											
Arsenic, Total	21.5	mg/kg		1.7	0.55	SW846 6020A	8/11/09	MNP	8/11/09 14:29	LAM	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9803229 NWT York Project

Lab ID: **9803229020** Date Collected: 8/10/2009 13:08 Matrix: Solid
Sample ID: **OB-AX[6]** Date Received: 8/10/2009 15:30

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	5.5	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
Total Solids	94.5	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
METALS											
Arsenic, Total	14.2	mg/kg	1	1.5	0.51	SW846 6020A	8/11/09	MNP	8/11/09 14:39	LAM	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9803229 NWT York Project

Lab ID: **9803229021** Date Collected: 8/10/2009 13:12 Matrix: Solid
Sample ID: **OB-AY[6]** Date Received: 8/10/2009 15:30

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	7.0	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
Total Solids	93.0	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
METALS											
Arsenic, Total	9.2	mg/kg		1.4	0.48	SW846 6020A	8/11/09	MNP	8/11/09 14:53	LAM	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9803229 NWT York Project

Lab ID: **9803229022** Date Collected: 8/10/2009 13:30 Matrix: Solid
Sample ID: **OB-AZ[8]** Date Received: 8/10/2009 15:30

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	3.5	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
Total Solids	96.5	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
METALS											
Arsenic, Total	1.9	mg/kg		1.3	0.45	SW846 6020A	8/11/09	MNP	8/11/09 14:56	LAM	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9803229 NWT York Project

Lab ID: **9803229023** Date Collected: 8/10/2009 13:30 Matrix: Solid
Sample ID: **OB-AZ[24]** Date Received: 8/10/2009 15:30

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	10.7	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
Total Solids	89.3	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
METALS											
Arsenic, Total	17.2	mg/kg		1.6	0.55	SW846 6020A	8/11/09	MNP	8/11/09 14:58	LAM	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9803229 NWT York Project

Lab ID: **9803229024** Date Collected: 8/10/2009 13:40 Matrix: Solid
Sample ID: **OB-BA[6]** Date Received: 8/10/2009 15:30

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	17.4	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
Total Solids	82.6	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
METALS											
Arsenic, Total	24.6	mg/kg		1.7	0.56	SW846 6020A	8/11/09	MNP	8/11/09 15:01	LAM	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9803229 NWT York Project

Lab ID: **9803229025** Date Collected: 8/10/2009 13:55 Matrix: Solid
Sample ID: **OB-AM[48]** Date Received: 8/10/2009 15:30

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	18.5	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
Total Solids	81.5	%		0.1	0.01	SM20-2540 G			8/11/09 11:15	NJA	A
METALS											
Arsenic, Total	5.7	mg/kg		1.7	0.57	SW846 6020A	8/11/09	MNP	8/11/09 15:04	LAM	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS QUALIFIERS\FLAGS

Workorder 9803229 NWT York Project

PARAMETER QUALIFIERS\FLAGS

[1] The recovery of the Matrix Spike (MS) associated to this analyte was outside of the established control limits. The sample was post-digestion spiked, and this matrix spike was within acceptable recovery limits.

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 4
Courier:
Tracking #:

Co. Name: ARM Group
Contact (Report to): D Butsbaugh, S Fulton
Phone:
Address: Hershey PA

Bill to (if different than Report to):
PO#:

Project Name/#: NWT York / 07214
ALSI Quote #:

TAT: [ ] Normal-Standard TAT is 10-12 business days. [X] Rush-Subject to ALSI approval and surcharges.
Date Required: [redacted]/09
Approved By:

Email? [X] -Y dbutsbaugh@armgroup.net
Fax? [ ] -Y No. sfulton@armgroup.net

***Container Type	G
***Container Size	4
*** Preservative	—

ANALYSES/METHOD REQUESTED: Arsenic

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Enter Number of Containers Per Analysis
1	OB-AN (6")		8/10/09	0955	G	S	1
2	OB-AN (24")			0955			1
3	OB-AO (6")			1002			1
4	OB-AP (6")			1012			1
5	OB-AP (24")			1012			1
6	OB-AQ (6")			1033			1
7	OB-AQ (6")	OB-AQ (24") On Bottle Label KLW 8/10/09		1033			1
8	OB-AR (6")			1050			1

SAMPLED BY (Please Print): DDB
LOGGED BY (signature): [signature] DATE 8/10/09 TIME 1913
REVIEWED BY (signature): [signature] DATE 8/11/09 TIME 16:43

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	[signature]	8/10/09	1530	2	[signature]	8/10/09	1530
3				4			
5				6			
7				8			
9				10			

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ]
EDDs Required? [ ] If yes, format type:
SDWA Forms? yes yes yes yes
State Samples Collected in? MD NJ NY PA Other
Enter PWSID No.
DOD Criteria Required?

ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

(completed by Sample Receiving)
Performed by: [signature]
Cooler Temp: 15
Therm. ID: 5102389
No. of Coolers:
Notes:

Custody seals Present?	(if present) Seals intact?	Received on ice?	COC/Labels complete/accurate?	Container in good condition?
Y	Y	Y	Y	Y
N	N	N	N	N

Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Circle appropriate Y or N.
Y	Y	Y	Y	Y
N	N	N	N	N

* G=Grab; C=Composite
**Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 2 of 4
Courier:
Tracking #:
COC# 9805229

Co. Name: ARM Group
Contact (Report to): O Butterbaugh / S Fulton
Phone:
Address: Hershey PA
Bill to (if different than Report to):
PO#:
Project Name/#: New York 107214
ALSI Quote #:
TAT: ☐ Normal-Standard TAT is 10-12 business days. ☑ Rush-Subject to ALSI approval and surcharges.
Date Required: [illegible]
Approved By:
Email? ✓ Y
Fax? Y No:

**Container Type	G
**Container Size	4
***Preservative	—

ANALYSES/METHOD REQUESTED: Arsenic

Enter Number of Containers Per Analysis

#	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Arsenic
1	OB-AR (24")		8/10/09	1050	G	S	1
2	OB-AS (6")		↓	1105	↓	↓	1
3	OB-AS (24")		↓	1105	↓	↓	1
4	OB-AT (6")		↓	1120	↓	↓	1
5	OB-AT (24")		↓	1120	↓	↓	1
6	OB-AU (6")		↓	1135	↓	↓	1
7	OB-AU (6")	OB-AU (24") on label RD 8/10/09	↓	1135	↓	↓	1
8	OB-16 (36")		↓	1155	↓	↓	1

Receipt Information (completed by Sample Receiving)
Performed by: [signature]
Cooler Temp: 15
Therm. ID: 4103??
No. of Coolers:
Notes:

	Y	N
Correct containers?	✓	
Correct sample volume?	✓	
Correct preservation?	✓	
Headspace/Volatiles?		
Circle appropriate Y or N.		
Custody seals Present?		✓
(if present) Seals intact?		
Received on ice?	✓	
COC/Labels complete/accurate?	✓	
Container in good condition?	✓	

SAMPLED BY (Please Print): DB
LOGGED BY (signature): [signature] 8/10/09 1913
REVIEWED BY (signature): [signature] 8/11/09 1420

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	[signature]	8/10/09	1530	2	[signature]	8/10/09	1530
3				4			
5				6			
7				8			
9				10			

Data Deliverables: ☐ Standard ☐ CLP-like ☐ NJ-Reduced ☐ NJ-Full ☐
SDWA Forms? yes ☐ yes ☐ yes ☐ yes ☐
State Samples Collected In? MD ☐ NJ ☐ NY ☐ PA ☐
EDDs Required? ☐ If yes, format type: Other
⇨Enter PWSID No.
DOD Criteria Required?

ALSI FIELD SERVICES: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other:

*G=Grab; C=Composite **Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.
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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 3 of 4

Courier:

Tracking #:

COC# 9803229

Co. Name: ARM Group

Contact (Report to): D Butterbaugh / S Fulton

Phone:

Address: Hershey PA

Bill to (if different than Report to):

PO#:

Project Name/#: NWT York / 07214

ALSI Quote #:

TAT: [ ] Normal-Standard TAT is 10-12 business days. [X] Rush-Subject to ALSI approval and surcharges.

Date Required: ASAP

Approved By:

Email? [X] -Y

Fax? [ ] -Y No:

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Arsenic
1	OB-AV (6")		8/10/09	1215	G	S	1
2	OB-AV (24")			1215			1
3	OB-AW (6")			1305			1
4	OB-AX (6")			1308			1
5	OB-AY (6")			1312			1
6	OB-AZ (8")			1330			1
7	OB-AZ (24")			1330			1
8	OB-BA (6")			1340			1

ANALYSES/METHOD REQUESTED

Enter Number of Containers Per Analysis

	Sample Description/Location	Sample Date	Military Time	*G or C	**Matrix	Arsenic
1	OB-AV (6")	8/10/09	1215	G	S	1
2	OB-AV (24")		1215			1
3	OB-AW (6")		1305			1
4	OB-AX (6")		1308			1
5	OB-AY (6")		1312			1
6	OB-AZ (8")		1330			1
7	OB-AZ (24")		1330			1
8	OB-BA (6")		1340			1

Receipt Information (completed by Sample Receiver)

Performed by: [signature]

Cooler Temp: 15

Therm. ID: 5102355

No. of Coolers:

Notes:

Sample Description/Location	Custody seals Present?	(if present) Seals intact?	Received on ice?	COC/Labels complete/accurate?	Container in good condition?
1 OB-AV (6")	Y	Y	Y	Y	Y
2 OB-AV (24")	Y	Y	Y	Y	Y
3 OB-AW (6")	Y	Y	Y	Y	Y
4 OB-AX (6")	Y	Y	Y	Y	Y
5 OB-AY (6")	Y	Y	Y	Y	Y
6 OB-AZ (8")	Y	Y	Y	Y	Y
7 OB-AZ (24")	Y	Y	Y	Y	Y
8 OB-BA (6")	Y	Y	Y	Y	Y

Correct containers? Y N

Correct sample volume? Y N

Correct preservation? Y N

Headspace/Volatiles? Y N

Circle appropriate Y or N.

SAMPLED BY (Please Print): DOB

LOGGED BY (signature): [signature] DATE 8/10/09 TIME 1913

REVIEWED BY (signature): [signature] DATE 8/11/09 TIME 1042

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	[signature]	8/10/09	1530	2	[signature]	8/10/09	1530
3				4			
5				6			
7				8			
9				10			

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] ____

EDDs Required? [ ] If yes, format type: Other

SDWA Forms? yes yes yes yes

State Samples Collected In? MD NJ NY PA

⇒ Enter PWSID No.

DOD Criteria Required?

ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite **Matrix: At=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY ***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Courier:
Tracking #:
COC# 9803229

Co. Name: ARM Group
Contact (Reports): D Butchaugh/S Fulton
Phone:
Address: Hershey PA

Bill to (if different than Reports):
PO#:

Project Name/#:
ALSI Quote #:

TAT: [ ] Normal-Standard TAT is 10-12 business days. [X] Rush-Subject to ALSI approval and surcharges.
Date Required:
Approved By:
Email? [X] -Y
Fax? [ ] -Y No:

***Container Type	G
***Container Size	4
Preservative	—
ANALYSES/METHOD REQUESTED	Arsenic

#	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Arsenic (Enter Number of Containers Per Analysis)
1	OB-AM (48")		8/10/09	1335	G	S	1
2							
3							
4							
5							
6							
7							
8							

Receipt Information (completed by Sample Receiving)
Performed by: [signature]
Cooler Temp: 15
Therm. ID: 262354
No. of Coolers:
Notes:

	Y	N
Correct containers?	✓	
Correct sample volume?	✓	
Correct preservation?	✓	
Headspace/Volatiles?	—	—
Custody seals Present?		✓
(if present) Seals intact?		
Received on ice?	✓	
COC/Labels complete/accurate?	✓	
Container in good condition?	✓	

Circle appropriate Y or N.

SAMPLED BY (Please Print): DDB
LOGGED BY (signature): [signature] Date 8/10/09 Time 1713
REVIEWED BY (signature): K Wolfgang Date 8/11/09 Time 1642

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	[signature]	8/10/09	1530	2	[signature]	8/10/09	1530
3				4			
5				6			
7				8			
9				10			

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ]
EDDs Required? [ ] If yes, format type:
SDWA Forms? yes [ ] yes [ ] yes [ ] yes [ ] Other
State Samples Collected In? MD [ ] NJ [ ] NY [ ] PA [ ]
Enter PWSID No.
DOD Criteria Required?

ALSI FIELD SERVICES
[ ] Pickup
[ ] Labor
[ ] Composite Sampling
[ ] Rental Equipment
[ ] Other:

* G=Grab; C=Composite
**Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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Certificate of Analysis

Project Name:	**NWT YORK PROJECT**	Workorder:	**9804333**
Purchase Order:	**07214**	Workorder ID:	**Soils (08/10/09)**

Mr. Steve Fulton
ARM Group
1129 W. Governor Road
PO Box 797
Hershey, PA 17033

August 20, 2009

Dear Mr. Fulton,

Enclosed are the analytical results for samples received by the laboratory on Monday, August 17, 2009

ALSI is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAP accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALSI.

NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Dan Buterbaugh

. his page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Laboratory Manager

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

SAMPLE SUMMARY

Workorder 9804333 Soils (08/10/09) Discard Date: 09/18/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9804333001	OB-AR[36]	Solid	8/10/09 10:50	8/17/09 10:00	Joe Janick
9804333002	OB-AZ[36]	Solid	8/10/09 13:30	8/17/09 10:00	Joe Janick

Workorder Comments:

Notes

- -- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
- -- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- -- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- -- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- -- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder 9804333 Soils (08/10/09)

Lab ID: **9804333001** Date Collected: 8/10/2009 10:50 Matrix: Solid

Sample ID: **OB-AR[36]** Date Received: 8/17/2009 10:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	17.2	%		0.1	0.01	SM20-2540 G			8/17/09 20:00	JOJ	A
Total Solids	82.8	%		0.1	0.01	SM20-2540 G			8/17/09 20:00	JOJ	A
METALS											
Arsenic, Total	42.7	mg/kg		1.6	0.54	SW846 6020A	8/18/09	MNP	8/19/09 06:06	MWO	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9804333 Soils (08/10/09)

Lab ID: **9804333002** Date Collected: 8/10/2009 13:30 Matrix: Solid

Sample ID: **OB-AZ[36]** Date Received: 8/17/2009 10:00

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	8.7	%		0.1	0.01	SM20-2540 G			8/17/09 20:00	JOJ	A
Total Solids	91.3	%		0.1	0.01	SM20-2540 G			8/17/09 20:00	JOJ	A
METALS											
Arsenic, Total	3.2	mg/kg		1.5	0.49	SW846 6020A	8/18/09	MNP	8/19/09 06:10	MWO	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

Analytical Laboratory Services, Inc.
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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of
Courier:
Tracking #:

Co. Name: ARM Group
Contact (Report to): S Fulton / D Butenbaugh
Phone:
Address: Hershey PA

Bill to (if different than Report to):
PO#:

Project Name/#: NWT York / 07214
ALSI Quote #:

TAT: [ ] Normal-Standard TAT is 10-12 business days. [X] Rush-Subject to ALSI approval and surcharges.
Date Required: 8/24/09
Approved By:

Email? [X] -Y dbutenbaugh@armgroup.net
Fax? [ ] -Y No.: sfulton@armgroup.net

***Container Type	G
***Container Size	4
Preservative	—

ANALYSES/METHOD REQUESTED: Arsenic

Enter Number of Containers Per Analysis

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Arsenic
1	OB-AR (36")		8/10/09	1050	G	S	1
2	OB-AZ (36")		↓	1330	G	S	1
3							
4							
5							
6							
7							
8							

Cooler Temp: 6
Therm. ID: 51023559
No. of Coolers:
Notes:

Sample	Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Circle appropriate Y or N.
1	Y	Y	Y	Y	
2	N	N	N	N	
3	Y	Y	Y	Y	
4					
5					
6					
7					
8					

Custody seals Present? (if present) Seals intact? Received on ice? COC/Labels complete/accurate? Container in good condition?

SAMPLED BY (Please Print): J Janick
LOGGED BY (signature): [signature] DATE 8/17/09 TIME 1524
REVIEWED BY (signature): [signature] DATE 08/19/09 TIME 0717

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	[signature]	8/17/09	1000	2	Adam Tromm / ALSI	8/17/09	1000
3				4			
5				6			
7				8			
9				10			

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] ...
EDDs Required? [ ] If yes, format type:
SDWA Forms? yes yes yes yes
State Samples Collected in? MD NJ NY PA Other
⇒ Enter PWSID No.
DOD Criteria Required?

ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite **Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY
Rev 6/07

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CALIBER ANALYTICAL SERVICES

Certificate of Analysis

ARM Group Inc.
5950 Symphony Woods Road
Columbia, MD 21044

Date Received: 04/15/11 17:10
Date Issued: 04/18/11 15:24

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11041506

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: OB-EX-1 (6")	**Matrix: Soil**		**Date Sampled: 04/15/11 14:35**			**Lab ID: 11041506-01**	
Percent Solids							
Percent Solids	85	%		SM2540G	04/18/11	04/18/11 9:44	LMJ
Total Metals							
Arsenic	12	mg/kg	0.5	EPA 6020A	04/18/11	04/18/11 12:33	MEL
Field Sample ID: OB-EX-2 (6")	**Matrix: Soil**		**Date Sampled: 04/15/11 14:40**			**Lab ID: 11041506-02**	
Percent Solids							
Percent Solids	86	%		SM2540G	04/18/11	04/18/11 9:44	LMJ
Total Metals							
Arsenic	24	mg/kg	0.38	EPA 6020A	04/18/11	04/18/11 12:56	MEL
Field Sample ID: OB-EX-3 (6")	**Matrix: Soil**		**Date Sampled: 04/15/11 14:45**			**Lab ID: 11041506-03**	
Percent Solids							
Percent Solids	78	%		SM2540G	04/18/11	04/18/11 9:45	LMJ
Total Metals							
Arsenic	21	mg/kg	0.52	EPA 6020A	04/18/11	04/18/11 13:00	MEL
Field Sample ID: OB-EX-4 (6")	**Matrix: Soil**		**Date Sampled: 04/15/11 14:50**			**Lab ID: 11041506-04**	
Percent Solids							
Percent Solids	84	%		SM2540G	04/18/11	04/18/11 9:45	LMJ
Total Metals							
Arsenic	16	mg/kg	0.46	EPA 6020A	04/18/11	04/18/11 13:05	MEL
Field Sample ID: OB-EX-5 (6")	**Matrix: Soil**		**Date Sampled: 04/15/11 14:55**			**Lab ID: 11041506-05**	
Percent Solids							
Percent Solids	81	%		SM2540G	04/18/11	04/18/11 9:45	LMJ
Total Metals							
Arsenic	16	mg/kg	0.6	EPA 6020A	04/18/11	04/18/11 13:18	MEL
Field Sample ID: OB-EX-6 (10")	**Matrix: Soil**		**Date Sampled: 04/15/11 15:00**			**Lab ID: 11041506-06**	
Percent Solids							
Percent Solids	96	%		SM2540G	04/18/11	04/18/11 9:45	LMJ
Total Metals							
Arsenic	5.1	mg/kg	0.43	EPA 6020A	04/18/11	04/18/11 13:23	MEL

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tel: 410.825.1151 fax: 410.825.2126 www.caslabs.net

CALIBER ANALYTICAL SERVICES

Certificate of Analysis

ARM Group Inc.
5950 Symphony Woods Road
Columbia, MD 21044

Date Received: 04/15/11 17:10
Date Issued: 04/18/11 15:24

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11041506

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: OB-AO (20")	**Matrix: Soil**		**Date Sampled: 04/15/11 15:05**			**Lab ID: 11041506-07**	
Percent Solids							
Percent Solids	79	%		SM2540G	04/18/11	04/18/11 9:45	LMJ
Total Metals							
Arsenic	8.7	mg/kg	0.52	EPA 6020A	04/18/11	04/18/11 13:27	MEL
Field Sample ID: OB-AR (30")	**Matrix: Soil**		**Date Sampled: 04/15/11 15:10**			**Lab ID: 11041506-08**	
Percent Solids							
Percent Solids	94	%		SM2540G	04/18/11	04/18/11 9:45	LMJ
Total Metals							
Arsenic	9.6	mg/kg	0.5	EPA 6020A	04/18/11	04/18/11 13:32	MEL
Field Sample ID: OB-EX-7 (24")	**Matrix: Soil**		**Date Sampled: 04/15/11 15:15**			**Lab ID: 11041506-09**	
Percent Solids							
Percent Solids	84	%		SM2540G	04/18/11	04/18/11 9:45	LMJ
Total Metals							
Arsenic	8.4	mg/kg	0.31	EPA 6020A	04/18/11	04/18/11 13:36	MEL
Field Sample ID: OB-EX-8 (10")	**Matrix: Soil**		**Date Sampled: 04/15/11 15:20**			**Lab ID: 11041506-10**	
Percent Solids							
Percent Solids	83	%		SM2540G	04/18/11	04/18/11 9:45	LMJ
Total Metals							
Arsenic	7.8	mg/kg	0.44	EPA 6020A	04/18/11	04/18/11 13:40	MEL
Field Sample ID: OB-BA (20")	**Matrix: Soil**		**Date Sampled: 04/15/11 15:30**			**Lab ID: 11041506-11**	
Percent Solids							
Percent Solids	86	%		SM2540G	04/18/11	04/18/11 9:45	LMJ
Total Metals							
Arsenic	16	mg/kg	0.41	EPA 6020A	04/18/11	04/18/11 13:45	MEL
Field Sample ID: OB-EX-9 (6")	**Matrix: Soil**		**Date Sampled: 04/15/11 15:25**			**Lab ID: 11041506-12**	
Percent Solids							
Percent Solids	85	%		SM2540G	04/18/11	04/18/11 9:45	LMJ
Total Metals							
Arsenic	5.0	mg/kg	0.46	EPA 6020A	04/18/11	04/18/11 13:49	MEL

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CALIBER ANALYTICAL SERVICES

Certificate of Analysis

ARM Group Inc.
5950 Symphony Woods Road
Columbia, MD 21044

Date Received: 04/15/11 17:10
Date Issued: 04/18/11 15:24

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11041506

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: OB-EX-10 (6")	**Matrix: Soil**		**Date Sampled: 04/15/11 15:35**			**Lab ID: 11041506-13**	
Percent Solids							
Percent Solids	**89**	%		SM2540G	04/18/11	04/18/11 9:45	LMJ
Total Metals							
Arsenic	**9.3**	mg/kg	0.36	EPA 6020A	04/18/11	04/18/11 13:54	MEL
Field Sample ID: S-40 (16")	**Matrix: Soil**		**Date Sampled: 04/15/11 15:40**			**Lab ID: 11041506-14**	
Percent Solids							
Percent Solids	**87**	%		SM2540G	04/18/11	04/18/11 9:45	LMJ
Total Metals							
Arsenic	**3.4**	mg/kg	0.48	EPA 6020A	04/18/11	04/18/11 13:58	MEL

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.
Results reported on a dry weight basis.

Approved by: Chris Shane
QC Chemist

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CALIBER ANALYTICAL SERVICES

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Fax: 410.825.2126
www.caslabs.net

Chain of Custody Record

Customer:	ARM Group
Contact/Report to:	Steve Fulton
Phone:	717-533-8600
Fax:	717-533-8605

E-mail address:	sfulton@armgroup.net
Project Name:	Northwest Triangle
Project Number:	07214
Location:	York, PA

SDG Number:	11041506
PO Number:	07214

Analysis Requested

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Matrix	Preservative	Arsenic										Sampling Remarks/ Comments
	OB-EX-1[6"]	4/15	14:35	1	SO		1										
	OB-EX-2[6"]	↓	14:40	↓	↓		1										
	OB-EX-3[6"]	↓	14:45	↓	↓		1										
	OB-EX-4[6"]	↓	14:50	↓	↓		1										
	OB-EX-5[6"]	↓	14:55	↓	↓		1										
	OB-EX-6[10"]	↓	15:00	↓	↓		1										
	OB-AO [20"]	↓	15:05	↓	↓		1										
	OB-AR [30"]	↓	15:10	↓	↓		1										
	OB-EX-7[24"]	↓	15:15	↓	↓		1										
	OB-EX-8[10"]	↓	15:20	↓	↓		1										

Relinquished by:	ARM Group	Date/Time:	4/15/11 17:10	Deliverables:	Receipt Temperature:	Turnaround Time:
Received by:	M. Colon	Date/Time:	4/15/11 1710	I II III CLP EDD	Temp:_____ On Ice	STD Next Day 2-Day Other_____
Relinquished by:		Date/Time:		Custody Seals:	Comments/Special Instructions:	
Received by:		Date/Time:		Sample Cooler		
Relinquished by:		Date/Time:		Delivered by client		
Received by:		Date/Time:				

CALIBER ANALYTICAL SERVICES

8851 Orchard Tree Lane Towson, MD 21286
Phone: 410.825.1151
Fax: 410.825.2126
www.caslabs.net

Chain of Custody Record

Customer:	ARM Group
Contact/Report to:	Steve Fulton
Phone:	717-533-8600
Fax:	717-533-8605

E-mail address:	sfulton@armgroup.net
Project Name:	Northwest Triangle
Project Number:	07214
Location:	York, PA

SDG Number:	11041506
PO Number:	07214

Analysis Requested

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Matrix	Preservative	Arsenic										Sampling Remarks/ Comments
	OB-BA [20"]	4/15	15:30	1	SO		1										
	OB-EX-9 [6"]	↓	15:25	1	SO		1										
	OB-EX-10 [6"]	↓	15:35	1	SO		1										
	~~OB-EX-~~ KJS																
	S-40 [16"]	↓	15:40	1	SO		1										

Relinquished by:	ARM Group	Date/Time:	4/15/11 17:10
Received by:		Date/Time:	4/15/11 1710
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

Deliverables: I II III CLP EDD

Receipt Temperature: Temp:_____ On Ice

Turnaround Time: STD Next Day 2-Day Other_____

Custody Seals: Sample Cooler Delivered by client

Comments/Special Instructions:

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NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

April 26, 2011

Mr. Steve Fulton
ARM Group
1129 W. Governor Road
PO Box 797
Hershey, PA 17033

Certificate of Analysis

Project Name:	**2011-NORTHWEST TRIANGLE**	Workorder:	**9900943**
Purchase Order:	**07214**	Workorder ID:	**Northwest Triangle**

Dear Mr. Fulton,

Enclosed are the analytical results for samples received by the laboratory on Wednesday, April 20, 2011.

The ALS Environmental laboratory in Middletown, Pennsylvania (formerly Analytical Laboratory Services, Inc.) is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Susan Scherer (Project Coordinator) or Anna G Milliken (Technical Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALS' NELAP accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Technical Manager

SAMPLE SUMMARY

Workorder: 9900943 Northwest Triangle Discard Date: 05/10/2011

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9900943001	OB-EX-11 [24']	Solid	4/20/11 12:30	4/20/11 18:30	Kevin Schiefer
9900943002	OB-EX-12 [12']	Solid	4/20/11 12:40	4/20/11 18:30	Kevin Schiefer
9900943003	OB-EX-13 [8"]	Solid	4/20/11 12:45	4/20/11 18:30	Kevin Schiefer
9900943004	OB-EX-14 [12"]	Solid	4/20/11 12:55	4/20/11 18:30	Kevin Schiefer
9900943005	OB-EX-15 [12"]	Solid	4/20/11 13:00	4/20/11 18:30	Kevin Schiefer
9900943006	OB-EX-16 [6"]	Solid	4/20/11 13:05	4/20/11 18:30	Kevin Schiefer
9900943007	OB-EX-17 [8"]	Solid	4/20/11 13:30	4/20/11 18:30	Kevin Schiefer
9900943008	OB-EX-18 [6"]	Solid	4/20/11 13:40	4/20/11 18:30	Kevin Schiefer
9900943009	OB-EX-19 [12"]	Solid	4/20/11 13:45	4/20/11 18:30	Kevin Schiefer
9900943010	OB-EX-20 [8"]	Solid	4/20/11 14:00	4/20/11 18:30	Kevin Schiefer
9900943011	OB-EX-21 [8"]	Solid	4/20/11 14:10	4/20/11 18:30	Kevin Schiefer
9900943012	OB-EX-22 [9"]	Solid	4/20/11 14:15	4/20/11 18:30	Kevin Schiefer
9900943013	OB-EX-23[12"]	Solid	4/20/11 14:30	4/20/11 18:30	Kevin Schiefer
9900943014	Bank Edge 1	Solid	4/20/11 14:40	4/20/11 18:30	Kevin Schiefer
9900943015	Bank Edge 2	Solid	4/20/11 14:45	4/20/11 18:30	Kevin Schiefer
9900943016	Bank Edge 3	Solid	4/20/11 14:55	4/20/11 18:30	Kevin Schiefer
9900943017	Stockpile 1	Solid	4/20/11 15:10	4/20/11 18:30	Kevin Schiefer
9900943018	Stockpile 2	Solid	4/20/11 15:15	4/20/11 18:30	Kevin Schiefer
9900943019	Stockpile 3	Solid	4/20/11 15:20	4/20/11 18:30	Kevin Schiefer

Workorder Comments:

SAMPLE SUMMARY

Workorder: 9900943 Northwest Triangle Discard Date: 05/10/2011

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By

Notes

-- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.
-- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

ANALYTICAL RESULTS

Workorder: 9900943 Northwest Triangle

Lab ID: **9900943001** Date Collected: 4/20/2011 12:30 Matrix: Solid

Sample ID: **OB-EX-11 [24']** Date Received: 4/20/2011 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	13.9		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
Total Solids	86.1		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
METALS										
Arsenic, Total	3.4		mg/kg	1.7	SW846 6020A	4/21/11	KMK	4/22/11 08:40	AJB	A2

Sample Comments:

Anna G Milliken
Technical Manager

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NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

ANALYTICAL RESULTS

Workorder: 9900943 Northwest Triangle

Lab ID: **9900943002** Date Collected: 4/20/2011 12:40 Matrix: Solid

Sample ID: **OB-EX-12 [12']** Date Received: 4/20/2011 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	12.6		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
Total Solids	87.4		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
METALS										
Arsenic, Total	5.7		mg/kg	1.6	SW846 6020A	4/21/11	KMK	4/22/11 08:47	AJB	A2

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9900943 Northwest Triangle

Lab ID: **9900943003** Date Collected: 4/20/2011 12:45 Matrix: Solid

Sample ID: **OB-EX-13 [8"]** Date Received: 4/20/2011 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	16.8		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
Total Solids	83.2		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
METALS										
Arsenic, Total	6.0		mg/kg	1.7	SW846 6020A	4/21/11	KMK	4/22/11 08:51	AJB	A2

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9900943 Northwest Triangle

Lab ID: **9900943004** Date Collected: 4/20/2011 12:55 Matrix: Solid

Sample ID: **OB-EX-14 [12"]** Date Received: 4/20/2011 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	14.9		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
Total Solids	85.1		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
METALS										
Arsenic, Total	3.5		mg/kg	1.6	SW846 6020A	4/21/11	KMK	4/22/11 08:55	AJB	A2

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9900943 Northwest Triangle

Lab ID: **9900943005** Date Collected: 4/20/2011 13:00 Matrix: Solid

Sample ID: **OB-EX-15 [12"]** Date Received: 4/20/2011 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	15.2		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
Total Solids	84.8		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
METALS										
Arsenic, Total	4.9		mg/kg	1.6	SW846 6020A	4/21/11	KMK	4/22/11 09:21	AJB	A2

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9900943 Northwest Triangle

Lab ID: **9900943006** Date Collected: 4/20/2011 13:05 Matrix: Solid

Sample ID: **OB-EX-16 [6"]** Date Received: 4/20/2011 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	20.5		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
Total Solids	79.5		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
METALS										
Arsenic, Total	14.7		mg/kg	1.6	SW846 6020A	4/21/11	KMK	4/22/11 09:24	AJB	A2

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9900943 Northwest Triangle

Lab ID: **9900943007** Date Collected: 4/20/2011 13:30 Matrix: Solid

Sample ID: **OB-EX-17 [8"]** Date Received: 4/20/2011 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	17.6		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
Total Solids	82.4		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
METALS										
Arsenic, Total	43.0		mg/kg	1.7	SW846 6020A	4/21/11	KMK	4/22/11 09:28	AJB	A2

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9900943 Northwest Triangle

Lab ID: **9900943008** Date Collected: 4/20/2011 13:40 Matrix: Solid

Sample ID: **OB-EX-18 [6"]** Date Received: 4/20/2011 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	15.4		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
Total Solids	84.6		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
METALS										
Arsenic, Total	38.5		mg/kg	1.7	SW846 6020A	4/21/11	KMK	4/22/11 09:32	AJB	A2

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9900943 Northwest Triangle

Lab ID: **9900943009** Date Collected: 4/20/2011 13:45 Matrix: Solid

Sample ID: **OB-EX-19 [12"]** Date Received: 4/20/2011 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	20.7		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
Total Solids	79.3		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
METALS										
Arsenic, Total	55.9		mg/kg	1.8	SW846 6020A	4/21/11	KMK	4/22/11 09:36	AJB	A2

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9900943 Northwest Triangle

Lab ID: **9900943010** Date Collected: 4/20/2011 14:00 Matrix: Solid

Sample ID: **OB-EX-20 [8"]** Date Received: 4/20/2011 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	18.1		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
Total Solids	81.9		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
METALS										
Arsenic, Total	7.3		mg/kg	1.6	SW846 6020A	4/21/11	KMK	4/22/11 09:39	AJB	A2

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9900943 Northwest Triangle

Lab ID: **9900943011** Date Collected: 4/20/2011 14:10 Matrix: Solid

Sample ID: **OB-EX-21 [8"]** Date Received: 4/20/2011 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	16.4		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
Total Solids	83.6		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
METALS										
Arsenic, Total	7.2		mg/kg	1.8	SW846 6020A	4/21/11	KMK	4/22/11 09:43	AJB	A2

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9900943 Northwest Triangle

Lab ID: **9900943012** Date Collected: 4/20/2011 14:15 Matrix: Solid

Sample ID: **OB-EX-22 [9"]** Date Received: 4/20/2011 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	18.1		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
Total Solids	81.9		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
METALS										
Arsenic, Total	157		mg/kg	1.6	SW846 6020A	4/21/11	KMK	4/22/11 09:47	AJB	A2
Lead, Total	209		mg/kg	1.1	SW846 6020A	4/21/11	KMK	4/22/11 09:47	AJB	A2

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9900943 Northwest Triangle

Lab ID: **9900943013** Date Collected: 4/20/2011 14:30 Matrix: Solid

Sample ID: **OB-EX-23[12"]** Date Received: 4/20/2011 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	12.4		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
Total Solids	87.6		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
METALS										
Arsenic, Total	3.5		mg/kg	1.5	SW846 6020A	4/21/11	KMK	4/22/11 09:50	AJB	A2

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9900943 Northwest Triangle

Lab ID: **9900943014** Date Collected: 4/20/2011 14:40 Matrix: Solid

Sample ID: **Bank Edge 1** Date Received: 4/20/2011 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	20.9		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
Total Solids	79.1		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
METALS										
Arsenic, Total	6.8		mg/kg	1.8	SW846 6020A	4/21/11	KMK	4/22/11 09:54	AJB	A2

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9900943 Northwest Triangle

Lab ID: **9900943015** Date Collected: 4/20/2011 14:45 Matrix: Solid

Sample ID: **Bank Edge 2** Date Received: 4/20/2011 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	16.0		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
Total Solids	84.0		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
METALS										
Arsenic, Total	6.5		mg/kg	1.6	SW846 6020A	4/21/11	KMK	4/22/11 10:09	AJB	A2

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9900943 Northwest Triangle

Lab ID: **9900943016** Date Collected: 4/20/2011 14:55 Matrix: Solid

Sample ID: **Bank Edge 3** Date Received: 4/20/2011 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	7.6		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
Total Solids	92.4		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
METALS										
Arsenic, Total	2.7		mg/kg	1.5	SW846 6020A	4/21/11	KMK	4/22/11 10:13	AJB	A2

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9900943 Northwest Triangle

Lab ID: **9900943017** Date Collected: 4/20/2011 15:10 Matrix: Solid

Sample ID: **Stockpile 1** Date Received: 4/20/2011 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	12.2		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
Total Solids	87.8		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
METALS										
Arsenic, Total	13.2		mg/kg	1.6	SW846 6020A	4/21/11	KMK	4/22/11 10:16	AJB	A2

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9900943 Northwest Triangle

Lab ID: **9900943018** Date Collected: 4/20/2011 15:15 Matrix: Solid

Sample ID: **Stockpile 2** Date Received: 4/20/2011 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	16.2		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
Total Solids	83.8		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
METALS										
Arsenic, Total	17.9		mg/kg	1.6	SW846 6020A	4/21/11	KMK	4/22/11 10:20	AJB	A2

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9900943 Northwest Triangle

Lab ID: **9900943019** Date Collected: 4/20/2011 15:20 Matrix: Solid

Sample ID: **Stockpile 3** Date Received: 4/20/2011 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	10.7		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
Total Solids	89.3		%	0.1	SM20-2540 G			4/21/11 15:55	KAK	A
METALS										
Arsenic, Total	15.5		mg/kg	1.7	SW846 6020A	4/21/11	KMK	4/22/11 10:24	AJB	A1

Sample Comments:

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 3

Co. Name: ARM Group
Contact (report to): Steve Fulton
Address: 1129 W Governor Rd
Phone: 717-533-8600
Bill to (if different from Report to):
PO#: 072114
Project Name/#: Northwest Triangle
ALSI Quote #: 233970
TAT: [ ] Normal-Standard TAT is 10-12 business days. [X] Rush-Subject to ALSI approval and surcharges.
Date Required: 4-25-11
Approved By: S. Schurer
Email? [X] Y: sfulton@armgroup.net
Fax? [ ] Y No:

Counter:
Tracking #:

Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	"G or C	"Matrix	Enter Number of Containers Per Analysis							
						Container Type	Container Size	Preservative	Arsenic	Lead			
						CG	4 oz	-					
1 08-EX-11 [24"]		4-20	12:30	G	SO	1							
2 08-EX-12 [12"]			12:40			1							
3 08-EX-13 [8"]			12:45			1							
4 08-EX-14 [12"]			12:55			1							
5 08-EX-15 [12"]			13:00			1							
6 08-EX-16 [6"]			13:05			1							
7 08-EX-17 [8"]			13:30			1							
8 08-EX-18 [6']			13:40			1							

ANALYSES/METHOD REQUESTED

SAMPLED BY (Please Print): Kevin Schiefer

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 ARM Group	4/20/11	15:30		4/20/11	1530
3			4	4/20/11	1705
5 SAB	4-20-11	1830	6	4/20/11	1830
7			8		
9			10		

LOGGED BY (signature): DATE 4/20/11 TIME
REVIEWED BY (signature): DATE TIME

Receipt Information (completed by Sample Receiver)
Received by: Michael
Cooler Temp: 2°C
Therm. ID: 10138784
No. of Coolers:
Notes:

Circle appropriate Y or N.		
Custody seals Present?	Y	N
(If present) Seals intact?	Y	N
Received on ice?	Y	N
COC/Labels complete/accurate?	Y	N
Correct preservation?	Y	N
Headspace/Volatiles?	Y	N
Correct sample volume?	Y	N
Correct container?	Y	N
Container in good condition?	Y	N

ALSI FIELD SERVICES: Pickup, Labor, Composite Sampling, Rental Equipment, Other:

Data Deliverables: Standard, CLP-like, NJ-Reduced, NJ-Full, SDWA Forms/Fees (yes), If yes, format type: Other
State Samples Collected In? MD, NJ, NY, PA
EDDs Required?
DOD Criteria Required?

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY

* G=Grab, C=Composite
**Matrix: A=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass; PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

Rev 8/07

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NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 2 of 3 — Courier: — Tracking #: — 9908943

Co. Name: ARM Group
Contact (report to): Steve Fulton — Phone: 717-533-8600
Address: 1129 W Governor Rd.

Bill to (if different than Report to):
PO#: 07214

Project Name/#: Northwest Triangle — ALSI Quote #: 233970
TAT: Normal/Standard TAT is 10-12 business days. Rush-Subject to ALSI approval and surcharges. — Date Required: 4-25-11 — Approved By: S. Scherer
Email? Y sfulton@armgroup.net — Fax? Y No.

ANALYSES/METHOD REQUESTED: Arsenic, Lead

Enter Number of Containers Per Analysis

#	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	G or C	Matrix	Container Type	Container Size	Preservative	Arsenic	Lead
1	OB-EX-19 [12"]		4-20	15:45	G	S	CG	4oz	—	—	—
2	OB-EX-20 [8"]			14:00						—	—
3	OB-EX-21 [8"]			14:10						—	—
4	OB-EX-22 [9"]			14:15						—	—
5	OB-EX-23 [12"]			14:30						—	—
6	BANK EDGE 1			14:40						—	—
7	BANK EDGE 2			14:45						—	—
8	BANK EDGE 3			14:55						—	—
9											
10											

SAMPLED BY (Please Print): Kevin Schiefer — DATE: 4/20/11 — TIME: 15:30
LOGGED BY (signature): — DATE: — TIME:
REVIEWED BY (signature): — DATE: — TIME:

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 ARM Group	4/20/11	15:30		4/20/11	1530
3	4-20-11	1830	4 Scott Rhoades	4-20-11	1905
5			6	4/21/11	8:00
7			8		
9			10		

Receipt Information (completed by Inside Sales Rep): Received by: — Date: — Time: — Cooler Temp: 3C — Therm. ID: — No. of Coolers: — Notes:

Circle appropriate Y or N.

Custody Seals Present?	Y	N
(If present) Seals intact?	Y	N
Received on ice?	Y	N
COC/Labels complete/accurate?	Y	N
Headspace/Volatiles?	Y	N
Correct preservative?	Y	N
Correct sample volume?	Y	N
Correct containers?	Y	N
Container in good condition?	Y	N

ALSI FIELD SERVICES: Pickup, Labor, Composite Sampling, Rental Equipment, Other:

Data Deliverables: Standard, CLP-like, NJ-Reduced, NJ-Full, If yes, format type: Other
SRM Forms/Kits: yes, yes, yes, yes
State Sampled Collected In?: MD, NJ, NY, PA
EDDs: Required
DOD Criteria Required?

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY
* G=Grab; C=Composite ** Matrix: Al=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
*** Container Type: AG-Amber Glass; CG-Clear Glass; PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz, etc. Preservative: HCl, HNO3, NaOH, etc.
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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 3 of 3 — Courier: — Tracking #: 9900943

Co. Name: ARM Group
Contact (Report to): Steve Fulton — Phone: 717-533-8600
Address: 1129 W Governor Rd

Bill to (if different than Report to): — PO#: 07214

Project Name/#: Northwest Triangle — ALSI Quote #: 233970
TAT: ☐ Normal-Standard TAT is 10-12 business days. ☑ Rush-Subject to ALSI approval and surcharges. — Date Required: 4-25-11 — Approved By: S. Scherer
Email? ☑ Y sfulton@armgroup.net
Fax? Y No.

	***Container Type	***Container Size	Preservative
	CG	4oz	—

ANALYSES/METHOD REQUESTED: Arsenic

Enter Number of Containers Per Analysis

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Arsenic
1					G	SO	
2	STOCKPILE 1		4-20	15:10	C	SO	1
3	STOCKPILE 2		4-20	15:15	C	SO	1
4	STOCKPILE 3		4-20	15:20	C	SO	1
5							
6							
7							
8							

Receipt Information (completed by Sample Receiver): Performed by: — Initial/Date: 4/20 — Cooler Temp: 1°C — Therm. ID: 10233 0924 — No. of Coolers: — Notes:

	Y	N
Custody seals Present?	Y	N
(If present) Seals intact?	Y	N
Received on ice?	Y	N
COC/Labels complete/accurate?	Y	N
Container in good condition?	Y	N
Correct containers?	Y	N
Correct sample volume?	Y	N
Correct preservation?	Y	N
Headspace/Volatiles?	Y	N
Circle appropriate Y or N.		

SAMPLED BY (Please Print): Kevin Schiefer — LOGGED BY (signature): — DATE 4/20 — TIME 2:17 — REVIEWED BY (signature): — DATE — TIME

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 ARM Group	4-20-11	15:30	2 Darlene Joseph	4/20/11	1530
3			4 Scott Rhoades	4-20-11	1805
5 SHB	4-20-11	1830	6	4/20	1830
7			8		
9			10		

Data Deliverables: ☐ Standard ☐ CLP-like ☐ NJ-Reduced ☐ NJ-Full ☐ Other — EDDs Required? ☐ If yes, format type: — DOD Criteria Required?

SDWA Forms? → yes ☐ yes ☐ yes ☐ yes ☐ Other — ⇒Enter PWSID No

State Samples Collected In? MD ☐ NJ ☐ NY ☐ PA ☐

ALSI FIELD SERVICES: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other:

* G=Grab; C=Composite — **Matrix: Al=Air; DW=Drinking Water; GW=Groundwater; Oil=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY — ***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc. — Rev 6/07

For Immediate Release

Analytical Laboratory Services, Inc.
Announces Acquisition by ALS Laboratory Group

Middletown, Pennsylvania - Analytical Laboratory Services, Inc. (ALSI) of Middletown, Pennsylvania, announced that it has been acquired by ALS Laboratory Group, a unit of the publicly traded Australian corporation, Campbell Brothers Limited. ALSI is one of the twenty largest environmental testing laboratories in the United States, and is a full provider of superior lab services to municipal, industrial and engineering clients in the northeast region of the country.

ALSI President Michael Farlling commented on the acquisition. "We are very pleased to announce that we are joining ALS Laboratory Group, as a key component of their platform for expansion and growth in the northeastern United States, and we look forward to continuing to provide our customers with the same level of superior and dependable services that they have come to expect from ALSI."

"After consistently growing our business over the past twenty years, we are now excited to join the expanding ALS family," said Farlling. "ALS Laboratory Group's financial resources, operating systems, and strong reputation will help us continue to provide superior services, and to expand our services to a broader array of customers, and at a faster pace." All of the ALSI management team will remain in place under the new ownership, and Farlling commented that customers are not likely to see any changes in the day to day operations of the laboratory.

Raj Naran, ALS Environmental, Vice President - Europe and North America, states: "The expertise, reputation and service excellence that ALSI has developed compliments and broadens our existing USA based business. In the future, we plan to further expand our market reach in the USA by providing clients with access to the combined services of ALSI and ALS in a larger number of locations and a broader base of capabilities."

About ALS Laboratory Group

ALS Laboratory Group is the U.S. laboratory services group of Australian Laboratory Services, a unit of Campbell Brothers Limited, and by most measures, the largest environmental testing firm in the world. With extensive environmental, mineral and other analytical service businesses spanning the globe, the ALS Group overall has revenues approaching $750 million (U.S.) and is the most rapidly growing environmental testing firm in North America.

For more information please contact Mike Farlling, President of ALSI at 717-702-2240 or visit us at www.analyticallab.com.

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Certificate of Analysis

Project Name:	**NWT YORK PROJECT**	Workorder:	**9841370**
Purchase Order:	**07214**	Workorder ID:	**NWT York/07214 (04/22/10)**

Mr. Steve Fulton
ARM Group
1129 W. Governor Road
PO Box 797
Hershey, PA 17033

May 7, 2010

Dear Mr. Fulton,

Enclosed are the analytical results for samples received by the laboratory on Thursday, April 22, 2010

ALSI is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAP accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALSI.

NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Dan Buterbaugh

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Laboratory Manager

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SAMPLE SUMMARY

Workorder: 9841370 NWT York/07214 (04/22/10) Discard Date: 06/05/2010

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9841370001	S-19-2 [9"]	Solid	4/22/10 11:29	4/22/10 13:55	Dan Buterbaugh
9841370002	OB-AC-2[36"]	Solid	4/22/10 11:37	4/22/10 13:55	Dan Buterbaugh
9841370003	S-21-2[9"]	Solid	4/22/10 11:50	4/22/10 13:55	Dan Buterbaugh
9841370004	OB-X-1[24"]	Solid	4/22/10 09:50	4/22/10 13:55	Dan Buterbaugh
9841370005	OB-X-2[24"]	Solid	4/22/10 10:20	4/22/10 13:55	Dan Buterbaugh
9841370006	OB-X-3[36"]	Solid	4/22/10 10:45	4/22/10 13:55	Dan Buterbaugh
9841370007	OB-X-4[36"]	Solid	4/22/10 11:08	4/22/10 13:55	Dan Buterbaugh
9841370008	OB-X-5[36"]	Solid	4/22/10 10:55	4/22/10 13:55	Dan Buterbaugh
9841370009	OB-X-6[24"]	Solid	4/22/10 10:31	4/22/10 13:55	Dan Buterbaugh
9841370010	OB-X-7[24"]	Solid	4/22/10 10:10	4/22/10 13:55	Dan Buterbaugh

Workorder Comments:

Notes

- -- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
- -- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- -- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- -- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- -- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9841370 NWT York/07214 (04/22/10)

Lab ID: **9841370001** Date Collected: 4/22/2010 11:29 Matrix: Solid
Sample ID: **S-19-2 [9"]** Date Received: 4/22/2010 13:55

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	12.9	%		0.1	0.01	SM20-2540 G			4/27/10 23:40	LJF	A
Total Solids	87.1	%		0.1	0.01	SM20-2540 G			4/27/10 23:40	LJF	A
METALS											
Arsenic, Total	72.7	mg/kg		1.6	0.52	SW846 6020A	4/23/10	MNP	5/6/10 10:43	LAM	A1
Lead, Total	1540	mg/kg		1.0	0.34	SW846 6020A	4/23/10	MNP	5/6/10 10:43	LAM	A1
TCLP METALS											
Arsenic, Total	0.042	mg/L		0.0090	0.0030	SW846 6010C	4/26/10	MNP	4/26/10 12:33	MWO	A2
Lead, Total	0.13	mg/L		0.0067	0.0022	SW846 6010C	4/26/10	MNP	4/26/10 12:33	MWO	A2
TCLP LEACHATE											
Extraction Fluid Used	1					SW846 1311			4/23/10 06:25	EL	A
Final pH	6.07	pH_Units				SW846 1311			4/23/10 06:25	EL	A
Preliminary pH after DI water	9.78	pH_Units				SW846 1311			4/23/10 06:25	EL	A
Preliminary pH after HCl	1.74	pH_Units				SW846 1311			4/23/10 06:25	EL	A

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9841370 NWT York/07214 (04/22/10)

Lab ID: **9841370002** Date Collected: 4/22/2010 11:37 Matrix: Solid
Sample ID: **OB-AC-2[36"]** Date Received: 4/22/2010 13:55

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	19.6	%		0.1	0.01	SM20-2540 G			4/25/10 18:00	LJF	A
Total Solids	80.4	%		0.1	0.01	SM20-2540 G			4/25/10 18:00	LJF	A
METALS											
Arsenic, Total	8.6	mg/kg		1.8	0.59	SW846 6020A	4/23/10	MNP	5/6/10 10:47	LAM	A1
Lead, Total	263	mg/kg		1.2	0.39	SW846 6020A	4/23/10	MNP	5/6/10 10:47	LAM	A1
TCLP METALS											
Arsenic, Total	0.033	mg/L		0.0090	0.0030	SW846 6010C	4/26/10	MNP	4/26/10 12:36	MWO	A2
Lead, Total	0.015	mg/L		0.0067	0.0022	SW846 6010C	4/26/10	MNP	4/26/10 12:36	MWO	A2
TCLP LEACHATE											
Extraction Fluid Used	1					SW846 1311			4/23/10 06:25	EL	A
Final pH	6.48	pH_Units				SW846 1311			4/23/10 06:25	EL	A
Preliminary pH after DI water	8.89	pH_Units				SW846 1311			4/23/10 06:25	EL	A
Preliminary pH after HCl	2.41	pH_Units				SW846 1311			4/23/10 06:25	EL	A

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9841370 NWT York/07214 (04/22/10)

Lab ID: **9841370003** Date Collected: 4/22/2010 11:50 Matrix: Solid
Sample ID: **S-21-2[9"]** Date Received: 4/22/2010 13:55

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	11.6	%		0.1	0.01	SM20-2540 G			4/25/10 18:00	LJF	A
Total Solids	88.4	%		0.1	0.01	SM20-2540 G			4/25/10 18:00	LJF	A
METALS											
Arsenic, Total	34.2	mg/kg		1.7	0.57	SW846 6020A	4/23/10	MNP	5/6/10 10:50	LAM	A1
Lead, Total	5060	mg/kg		1.1	0.37	SW846 6020A	4/23/10	MNP	5/6/10 10:50	LAM	A1
TCLP METALS											
Arsenic, Total	0.027	mg/L		0.0090	0.0030	SW846 6010C	4/26/10	MNP	4/26/10 12:40	MWO	A2
Lead, Total	1.2	mg/L		0.0067	0.0022	SW846 6010C	4/26/10	MNP	4/26/10 12:40	MWO	A2
TCLP LEACHATE											
Extraction Fluid Used	1					SW846 1311			4/23/10 06:25	EL	A
Final pH	5.19	pH_Units				SW846 1311			4/23/10 06:25	EL	A
Preliminary pH after DI water	8.30	pH_Units				SW846 1311			4/23/10 06:25	EL	A
Preliminary pH after HCl	1.78	pH_Units				SW846 1311			4/23/10 06:25	EL	A

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9841370 NWT York/07214 (04/22/10)

Lab ID: **9841370004** Date Collected: 4/22/2010 09:50 Matrix: Solid
Sample ID: **OB-X-1[24"]** Date Received: 4/22/2010 13:55

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	17.6	%		0.1	0.01	SM20-2540 G			4/23/10 06:30	LJF	A
Total Solids	82.4	%		0.1	0.01	SM20-2540 G			4/23/10 06:30	LJF	A
METALS											
Arsenic, Total	16.4	mg/kg		1.5	0.51	SW846 6020A	4/23/10	MNP	5/6/10 10:54	LAM	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9841370 NWT York/07214 (04/22/10)

Lab ID: **9841370005** Date Collected: 4/22/2010 10:20 Matrix: Solid
Sample ID: **OB-X-2[24"]** Date Received: 4/22/2010 13:55

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	14.2	%		0.1	0.01	SM20-2540 G			4/23/10 06:30	LJF	A
Total Solids	85.8	%		0.1	0.01	SM20-2540 G			4/23/10 06:30	LJF	A
METALS											
Arsenic, Total	8.5	mg/kg		1.6	0.54	SW846 6020A	4/23/10	MNP	5/6/10 10:58	LAM	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9841370 NWT York/07214 (04/22/10)

Lab ID: **9841370006** Date Collected: 4/22/2010 10:45 Matrix: Solid
Sample ID: **OB-X-3[36"]** Date Received: 4/22/2010 13:55

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	8.7	%		0.1	0.01	SM20-2540 G			4/23/10 06:30	LJF	A
Total Solids	91.3	%		0.1	0.01	SM20-2540 G			4/23/10 06:30	LJF	A
METALS											
Arsenic, Total	4.6	mg/kg		1.5	0.51	SW846 6020A	4/23/10	MNP	5/6/10 11:02	LAM	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9841370 NWT York/07214 (04/22/10)

Lab ID: **9841370007** Date Collected: 4/22/2010 11:08 Matrix: Solid
Sample ID: **OB-X-4[36"]** Date Received: 4/22/2010 13:55

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	17.0	%		0.1	0.01	SM20-2540 G			4/23/10 06:30	LJF	A
Total Solids	83.0	%		0.1	0.01	SM20-2540 G			4/23/10 06:30	LJF	A
METALS											
Arsenic, Total	8.7	mg/kg		1.7	0.56	SW846 6020A	4/23/10	MNP	5/6/10 11:28	LAM	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9841370 NWT York/07214 (04/22/10)

Lab ID: **9841370008** Date Collected: 4/22/2010 10:55 Matrix: Solid
Sample ID: **OB-X-5[36"]** Date Received: 4/22/2010 13:55

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	17.7	%		0.1	0.01	SM20-2540 G			4/23/10 06:30	LJF	A
Total Solids	82.3	%		0.1	0.01	SM20-2540 G			4/23/10 06:30	LJF	A
METALS											
Arsenic, Total	114	mg/kg		1.8	0.58	SW846 6020A	4/23/10	MNP	5/6/10 11:32	LAM	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

ANALYTICAL LABORATORY SERVICES, INC.
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PA 22-293 NJ PA010
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34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9841370 NWT York/07214 (04/22/10)

Lab ID: **9841370009** Date Collected: 4/22/2010 10:31 Matrix: Solid
Sample ID: **OB-X-6[24"]** Date Received: 4/22/2010 13:55

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY											
Moisture	11.6	%		0.1	0.01	SM20-2540 G			4/23/10 06:30	LJF	A
Total Solids	88.4	%		0.1	0.01	SM20-2540 G			4/23/10 06:30	LJF	A
METALS											
Arsenic, Total	95.8	mg/kg		1.7	0.55	SW846 6020A	4/23/10	MNP	5/6/10 11:35	LAM	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

Analytical Laboratory Services, Inc.
Environmental • Industrial Hygiene • Field Services
34 Dogwood Lane • Middletown, PA 17057 • 717.944.5541 • Fax 717.944.1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 2
Courier:
Tracking #:

Co. Name: ARM Group
Contact (Report to): Steve Filton
Phone:
Address: Hershey PA

Bill to (if different than Report to):
PO#:

Project Name/#: NWT York/07214
ALSI Quote #:

TAT: [X] Normal-Standard TAT is 10-12 business days. [ ] Rush-Subject to ALSI approval and surcharges.
Date Required:
Approved By:

Email? [X] Y sfilton@armgroup.net
Fax? Y No.:

	Container Type	G	G	G
	Container Size	250	250	8oz
	Preservative	—	—	—

ANALYSES/METHOD REQUESTED: Total As; Total Pb; TCLP As, Pb

Enter Number of Containers Per Analysis

#	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Total As	Total Pb	TCLP As, Pb
1	S-19-2 (9")		4/22/10	1129	G	S	1	1	1
2	OB-AC-2 (36")		↓	1137	↓	↓	1	1	1
3	S-21-2 (9")			1150			1	1	1
4	OB-X-1 (24")			0950			1		
5	OB-X-2 (24")			1020			1		
6	OB-X-3 (36")			1045			1		
7	OB-X-4 (36")			1108			1		
8	OB-X-5 (36")		↓	1055	↓	↓	1		

SAMPLED BY (Please Print): D Butebaugh
LOGGED BY (signature): [signature] Date 4/22 Time 1792
REVIEWED BY (signature): [signature] Date 04/23/10 Time 1205

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	[signature]	4/22/10	1355	2	[signature] ALSI	4/22/10	1355
3				4			
5				6			
7				8			
9				10			

Data Deliverables: [X] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ]
EDDs Required? [ ] If yes, format type:
SDWA Forms? yes [ ] yes [ ] yes [ ] yes [ ] Other
State Samples Collected In? MD [ ] NJ [ ] NY [ ] PA [X]
Enter PWSID No.
DOD Criteria Required?

Receipt Information (completed by Sample Receiving)
Received by: [initials]
Cooler Temp: 5°
Therm. ID: 10135724
No. of Coolers:
Notes:

Correct containers?	(Y)	N
Correct sample volume?	(Y)	N
Correct preservation?	(Y)	N
Headspace/Volatiles?	+	+
Circle appropriate Y or N.		
Custody seals Present?	Y	(N)
(if present) Seals intact?	Y	N
Received on ice?	(Y)	N
COC/Labels complete/accurate?	(Y)	N
Container in good condition?	(Y)	N

ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite **Matrix: A=Air; DW=Drinking Water; GW=Groundwater; O=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic, Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.
Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY
Rev 6/07

ANALYTICAL LABORATORY SERVICES, INC.
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NELAP Accredited
PA 22-293 NJ PA010
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430
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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 2 of 2

Courier:

Tracking #:

98C6C1370

Co. Name: ARM Group

Contact (Report to): Steve Fulton

Phone:

Address: Hershey PA

Bill to (if different than Report to):

PO#:

Project Name/#: 07214 / NVT York

ALSI Quote #:

TAT: [x] Normal-Standard TAT is 10-12 business days. [ ] Rush-Subject to ALSI approval and surcharges.

Date Required:

Approved By:

Email? [x] -Y stulton@armgroup.net

Fax? [ ] -Y No.

***Container Type	G																
***Container Size	250																
*** Preservative	—																

ANALYSES/METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Total As									
1	OB-X-6 (24")		4/22/10	1031	G	S	1									
2	OB-X-7 (24")	HOLD	4/22/10	1010	1	1	1									
3																
4																
5																
6																
7																
8																

Enter Number of Containers Per Analysis

Receipt Information (completed by Sample Receiving)

Performed by: AM

Cooler Temp: 5°

Therm. ID: 10133724

No. of Coolers:

Notes:

Circle appropriate Y or N.	Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Custody seals Present?	(if present) Seals intact?	Received on ice?	COC/Labels complete/accurate?	Container in good condition?
	Y	Y	Y	Y	N	Y	Y	Y	Y

SAMPLED BY (Please Print): D Butterbaugh

LOGGED BY (signature): [signature] 4/22 1821

REVIEWED BY (signature): [signature] 4/23/10 1205

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	[signature]	4/22/10	1355	2	[signature] ALSI	4/22/10	1355
3				4			
5				6			
7				8			
9				10			

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] EDDs Required? [ ] If yes, format type:

SDWA Forms? yes [ ] yes [ ] yes [ ] yes [ ]

State Samples Collected In? MD [ ] NJ [ ] NY [ ] PA [ ] Other

Enter PWSID No.

DOD Criteria Required?

ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite **Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY ***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

Rev 6/07

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www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ACCREDITED IN ACCORDANCE WITH nelac

CALIBER ANALYTICAL SERVICES

Certificate of Analysis

ARM Group Inc.
5950 Symphony Woods Road
Columbia, MD 21044

Date Received: 04/25/11 16:55
Date Issued: 04/26/11 15:22

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11042507

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: B-1 (7')	**Matrix: Soil**		**Date Sampled: 04/25/11 16:05**			**Lab ID: 11042507-01**	
Percent Solids							
Percent Solids	**92**	%		SM2540G	04/26/11	04/26/11 9:56	LMJ
Total Metals							
Arsenic	**5.6**	mg/kg	0.43	EPA 6020A	04/26/11	04/26/11 10:17	MEL
Lead	**54**	mg/kg	2.2	EPA 6020A	04/26/11	04/26/11 10:17	MEL
Field Sample ID: S-28 (16")	**Matrix: Soil**		**Date Sampled: 04/25/11 16:00**			**Lab ID: 11042507-02**	
Percent Solids							
Percent Solids	**91**	%		SM2540G	04/26/11	04/26/11 9:56	LMJ
Total Metals							
Arsenic	**16**	mg/kg	0.48	EPA 6020A	04/26/11	04/26/11 10:49	MEL
Lead	**150**	mg/kg	2.4	EPA 6020A	04/26/11	04/26/11 10:49	MEL

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.
Results reported on a dry weight basis.

Approved by: Matt Cohen
QC Chemist

8851 Orchard Tree Lane Towson, Maryland 21286
tel: 410.825.1151 fax: 410.825.2126 www.caslabs.net

CALIBER ANALYTICAL SERVICES

8851 Orchard Tree Lane Towson, MD 21286
Phone: 410.825.1151
Fax: 410.825.2126
www.caslabs.net

Chain of Custody Record

Customer:	ARM Group Inc.
Contact/Report to:	Steve Fulton
Phone:	717-533-8600
Fax:	717-533-8605

E-mail address:	sfulton@armgroup.net
Project Name:	Northwest Triangle
Project Number:	07214
Location:	York, PA

SDG Number:	11042507
Sampled by:	K. Schiefer
PO Number:	

Analysis Requested

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Matrix	Preservative	—	—									Sampling Remarks/ Comments
						Arsenic	Lead										
	B-1 [7']	4-25	16:05	1	SO	1	1										
	S-28 [16"]	4-25	16:00	1	SO	1											

Relinquished by:	ARM Group	Date/Time:	4-25-11 / 16:55	Deliverables:	Receipt Temperature:	Turnaround Time:
Received by:		Date/Time:	4/25/11 1655	I II III CLP EDD	Temp:_____ On Ice	STD Next Day 2-Day Other_____
Relinquished by:		Date/Time:		Custody Seals:	Comments/Special Instructions:	
Received by:		Date/Time:		Sample Cooler		
Relinquished by:		Date/Time:		Delivered by client		
Received by:		Date/Time:				

CALIBER ANALYTICAL SERVICES

Certificate of Analysis

ARM Group Inc.
5950 Symphony Woods Road
Columbia, MD 21044

Date Received: 04/26/11 14:45
Date Issued: 04/27/11 17:02

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11042607

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: OB-EX-24 (36")	**Matrix: Soil**		**Date Sampled: 04/26/11 10:50**			**Lab ID: 11042607-01**	
Percent Solids							
Percent Solids	87	%		SM2540G	04/27/11	04/27/11 10:04	LMJ
Total Metals							
Arsenic	6.0	mg/kg	0.43	EPA 6020A	04/26/11	04/27/11 11:42	MEL
Field Sample ID: OB-EX-25 (36")	**Matrix: Soil**		**Date Sampled: 04/26/11 10:55**			**Lab ID: 11042607-02**	
Percent Solids							
Percent Solids	79	%		SM2540G	04/27/11	04/27/11 10:04	LMJ
Total Metals							
Arsenic	6.3	mg/kg	0.54	EPA 6020A	04/26/11	04/27/11 12:08	MEL
Field Sample ID: OB-EX-26 (18")	**Matrix: Soil**		**Date Sampled: 04/26/11 11:00**			**Lab ID: 11042607-03**	
Percent Solids							
Percent Solids	86	%		SM2540G	04/27/11	04/27/11 10:04	LMJ
Total Metals							
Arsenic	8.9	mg/kg	0.49	EPA 6020A	04/26/11	04/27/11 12:13	MEL
Field Sample ID: OB-EX-27 (12")	**Matrix: Soil**		**Date Sampled: 04/26/11 11:30**			**Lab ID: 11042607-04**	
Percent Solids							
Percent Solids	82	%		SM2540G	04/27/11	04/27/11 10:04	LMJ
Total Metals							
Arsenic	5.8	mg/kg	0.52	EPA 6020A	04/26/11	04/27/11 12:18	MEL
Field Sample ID: OB-EX-28 (12")	**Matrix: Soil**		**Date Sampled: 04/26/11 11:35**			**Lab ID: 11042607-05**	
Percent Solids							
Percent Solids	84	%		SM2540G	04/27/11	04/27/11 10:04	LMJ
Total Metals							
Arsenic	7.6	mg/kg	0.45	EPA 6020A	04/26/11	04/27/11 12:33	MEL
Field Sample ID: OB-EX-29 (6")	**Matrix: Soil**		**Date Sampled: 04/26/11 12:30**			**Lab ID: 11042607-06**	
Percent Solids							
Percent Solids	97	%		SM2540G	04/27/11	04/27/11 10:04	LMJ
Total Metals							
Arsenic	13	mg/kg	0.35	EPA 6020A	04/26/11	04/27/11 12:38	MEL

8851 Orchard Tree Lane Towson, Maryland 21286
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CALIBER ANALYTICAL SERVICES

Certificate of Analysis

ARM Group Inc.
5950 Symphony Woods Road
Columbia, MD 21044

Date Received: 04/26/11 14:45
Date Issued: 04/27/11 17:02

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11042607

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: OB-EX-29 (24")	**Matrix: Soil**		**Date Sampled: 04/26/11 12:40**			**Lab ID: 11042607-07**	
Percent Solids							
Percent Solids	**88**	%		SM2540G	04/27/11	04/27/11 10:04	LMJ
Total Metals							
Arsenic	**5.8**	mg/kg	0.49	EPA 6020A	04/26/11	04/27/11 12:43	MEL

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.
Results reported on a dry weight basis.

Approved by: Matt Cohen
QC Chemist

8851 Orchard Tree Lane Towson, Maryland 21286
tel: 410.825.1151 fax: 410.825.2126 www.caslabs.net

CALIBER ANALYTICAL SERVICES

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www.caslabs.net

Chain of Custody Record

Customer:	ARM Group Inc.
Contact/Report to:	Steve Fulton
Phone:	717-533-8600
Fax:	717-533-8605

E-mail address:	sfulton@armgroup.net
Project Name:	Northwest Triangle
Project Number:	07214
Location:	York, PA

SDG Number:	11042607
PO Number:	

Analysis Requested

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Matrix	Preservative	Arsenic									Sampling Remarks/ Comments
	OB-EX-24 [36"]	4-26-11	10:50	1	SO		1									
	OB-EX-25 [36"]	↓	10:55	1	↓		1									
	OB-EX-26 [18"]	↓	11:00	1	↓		1									
	OB-EX-27 [12"]	↓	11:30	1	↓		1									
	OB-EX-28 [12"]	↓	11:35	1	↓		1									
	OB-EX-29 [6"]	↓	12:30	1	↓		1									
	OB-EX-29 [24"]	↓	12:40	1	↓		1									

Relinquished by:	ARM Group	Date/Time:	4-26-11/14:45
Received by:		Date/Time:	4/26/11 1445
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

Deliverables: I II III CLP EDD

Receipt Temperature: Temp:_____ On Ice

Turnaround Time: STD Next Day 2-Day Other_____

Custody Seals: Sample Cooler Delivered by client

Comments/Special Instructions:

CALIBER ANALYTICAL SERVICES

Certificate of Analysis

ARM Group Inc.
9175 Guilford Road, Suite 310
Columbia, MD 21046

Date Received: 04/27/11 15:20
Date Issued: 05/05/11 11:46
Matrix: Soil

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11042706

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: SR-W-1			**Date Sampled: 04/27/11 12:00**			**Lab ID: 11042706-01**	
Percent Solids							
Percent Solids	93	%		SM2540G	04/28/11	04/28/11 9:58	LMJ
Total Metals							
Arsenic	5.9	mg/kg	0.4	EPA 6020A	04/27/11	04/28/11 11:21	MEL
Field Sample ID: SR-W-2			**Date Sampled: 04/27/11 12:05**			**Lab ID: 11042706-02**	
Percent Solids							
Percent Solids	93	%		SM2540G	04/28/11	04/28/11 9:58	LMJ
Total Metals							
Arsenic	79	mg/kg	0.5	EPA 6020A	04/27/11	04/28/11 11:43	MEL
Field Sample ID: SR-W-3			**Date Sampled: 04/27/11 12:10**			**Lab ID: 11042706-03**	
Percent Solids							
Percent Solids	92	%		SM2540G	04/28/11	04/28/11 9:58	LMJ
Total Metals							
Arsenic	93	mg/kg	0.43	EPA 6020A	04/27/11	04/28/11 11:48	MEL
Field Sample ID: SR-W-4			**Date Sampled: 04/27/11 12:15**			**Lab ID: 11042706-04**	
Percent Solids							
Percent Solids	93	%		SM2540G	04/28/11	04/28/11 9:58	LMJ
Total Metals							
Arsenic	11	mg/kg	0.37	EPA 6020A	04/27/11	04/28/11 11:52	MEL
Field Sample ID: SR-W-5			**Date Sampled: 04/27/11 12:20**			**Lab ID: 11042706-05**	
Percent Solids							
Percent Solids	86	%		SM2540G	04/28/11	04/28/11 9:58	LMJ
Total Metals							
Arsenic	14	mg/kg	0.53	EPA 6020A	04/27/11	04/28/11 11:57	MEL
Field Sample ID: SR-W-6			**Date Sampled: 04/27/11 12:25**			**Lab ID: 11042706-06**	
Percent Solids							
Percent Solids	96	%		SM2540G	04/28/11	04/28/11 9:58	LMJ
Total Metals							
Arsenic	6.3	mg/kg	0.48	EPA 6020A	04/27/11	04/28/11 12:10	MEL
Field Sample ID: SR-W-7			**Date Sampled: 04/27/11 12:30**			**Lab ID: 11042706-07**	
Percent Solids							
Percent Solids	92	%		SM2540G	04/28/11	04/28/11 9:58	LMJ
Total Metals							
Arsenic	11	mg/kg	0.52	EPA 6020A	04/27/11	04/28/11 12:14	MEL

8851 Orchard Tree Lane Towson, Maryland 21286
tel: 410.825.1151 fax: 410.825.2126 www.caslabs.net

CALIBER ANALYTICAL SERVICES

Certificate of Analysis

ARM Group Inc.
9175 Guilford Road, Suite 310
Columbia, MD 21046

Date Received: 04/27/11 15:20
Date Issued: 05/05/11 11:46
Matrix: Soil

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11042706

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: SR-W-8			**Date Sampled: 04/27/11 12:35**			**Lab ID: 11042706-08**	
Percent Solids							
Percent Solids	94	%		SM2540G	04/28/11	04/28/11 9:58	LMJ
Total Metals							
Arsenic	9.5	mg/kg	0.47	EPA 6020A	04/27/11	04/28/11 12:19	MEL
Field Sample ID: SR-W-9			**Date Sampled: 04/27/11 12:40**			**Lab ID: 11042706-09**	
Percent Solids							
Percent Solids	92	%		SM2540G	04/28/11	04/28/11 9:58	LMJ
Total Metals							
Arsenic	11	mg/kg	0.44	EPA 6020A	04/27/11	04/28/11 12:23	MEL
Field Sample ID: SR-W-10			**Date Sampled: 04/27/11 12:45**			**Lab ID: 11042706-10**	
Percent Solids							
Percent Solids	89	%		SM2540G	04/28/11	04/28/11 9:58	LMJ
Total Metals							
Arsenic	110	mg/kg	0.39	EPA 6020A	04/27/11	04/28/11 12:28	MEL
Field Sample ID: SR-W-11			**Date Sampled: 04/27/11 12:50**			**Lab ID: 11042706-11**	
Percent Solids							
Percent Solids	85	%		SM2540G	04/28/11	04/28/11 9:58	LMJ
Total Metals							
Arsenic	11	mg/kg	0.5	EPA 6020A	04/27/11	04/28/11 12:32	MEL
Field Sample ID: SR-W-12			**Date Sampled: 04/27/11 12:55**			**Lab ID: 11042706-12**	
Percent Solids							
Percent Solids	84	%		SM2540G	04/28/11	04/28/11 9:58	LMJ
Total Metals							
Arsenic	12	mg/kg	0.42	EPA 6020A	04/27/11	04/28/11 12:37	MEL
Field Sample ID: SR-W-13			**Date Sampled: 04/27/11 13:00**			**Lab ID: 11042706-13**	
Percent Solids							
Percent Solids	87	%		SM2540G	04/28/11	04/28/11 9:58	LMJ
Total Metals							
Arsenic	66	mg/kg	0.36	EPA 6020A	04/27/11	04/28/11 12:41	MEL
Field Sample ID: SR-W-14			**Date Sampled: 04/27/11 13:05**			**Lab ID: 11042706-14**	
Percent Solids							
Percent Solids	86	%		SM2540G	04/28/11	04/28/11 9:58	LMJ
Total Metals							
Arsenic	4.8	mg/kg	0.42	EPA 6020A	04/27/11	04/28/11 12:46	MEL

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CALIBER ANALYTICAL SERVICES

Certificate of Analysis

ARM Group Inc.
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Date Received: 04/27/11 15:20
Date Issued: 05/05/11 11:47
Matrix: Soil

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11042706

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: SR-W-15			**Date Sampled: 04/27/11 13:15**			**Lab ID: 11042706-15**	
Percent Solids							
Percent Solids	95	%		SM2540G	04/28/11	04/28/11 9:58	LMJ
Total Metals							
Arsenic	39	mg/kg	0.52	EPA 6020A	04/27/11	04/28/11 12:50	MEL
Field Sample ID: SR-W-16			**Date Sampled: 04/27/11 13:20**			**Lab ID: 11042706-16**	
Percent Solids							
Percent Solids	80	%		SM2540G	04/28/11	04/28/11 9:58	LMJ
Total Metals							
Arsenic	55	mg/kg	0.44	EPA 6020A	04/27/11	04/28/11 12:55	MEL
Field Sample ID: SR-W-17			**Date Sampled: 04/27/11 13:25**			**Lab ID: 11042706-17**	
Percent Solids							
Percent Solids	91	%		SM2540G	04/28/11	04/28/11 9:58	LMJ
Total Metals							
Arsenic	6.2	mg/kg	0.43	EPA 6020A	04/27/11	04/28/11 13:08	MEL
Field Sample ID: SR-W-18			**Date Sampled: 04/27/11 13:30**			**Lab ID: 11042706-18**	
Percent Solids							
Percent Solids	88	%		SM2540G	04/28/11	04/28/11 9:58	LMJ
Total Metals							
Arsenic	11	mg/kg	0.46	EPA 6020A	04/27/11	04/28/11 13:13	MEL
Field Sample ID: SR-W-19			**Date Sampled: 04/27/11 13:35**			**Lab ID: 11042706-19**	
Percent Solids							
Percent Solids	95	%		SM2540G	04/28/11	04/28/11 9:58	LMJ
Total Metals							
Arsenic	5.5	mg/kg	0.43	EPA 6020A	04/27/11	04/28/11 13:17	MEL
Field Sample ID: SR-W-20			**Date Sampled: 04/27/11 13:40**			**Lab ID: 11042706-20**	
Percent Solids							
Percent Solids	82	%		SM2540G	04/28/11	04/28/11 9:58	LMJ
Total Metals							
Arsenic	9.1	mg/kg	0.41	EPA 6020A	04/27/11	04/28/11 13:22	MEL
Field Sample ID: SR-W-21			**Date Sampled: 04/27/11 13:45**			**Lab ID: 11042706-21**	
Percent Solids							
Percent Solids	86	%		SM2540G	04/28/11	04/28/11 9:58	LMJ
Total Metals							
Arsenic	30	mg/kg	0.54	EPA 6020A	04/27/11	04/28/11 13:26	MEL

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Date Received: 04/27/11 15:20
Date Issued: 05/05/11 11:47
Matrix: Soil

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11042706

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: SR-W-22			**Date Sampled: 04/27/11 13:50**			**Lab ID: 11042706-22**	
Percent Solids							
Percent Solids	90	%		SM2540G	04/28/11	04/28/11 9:58	LMJ
Total Metals							
Arsenic	37	mg/kg	0.39	EPA 6020A	04/27/11	04/28/11 13:31	MEL
Field Sample ID: SR-W-23			**Date Sampled: 04/27/11 13:55**			**Lab ID: 11042706-23**	
Percent Solids							
Percent Solids	93	%		SM2540G	04/28/11	04/28/11 9:58	LMJ
Total Metals							
Arsenic	8.0	mg/kg	0.39	EPA 6020A	04/27/11	04/28/11 13:35	MEL
Field Sample ID: SR-W-24			**Date Sampled: 04/27/11 14:00**			**Lab ID: 11042706-24**	
Percent Solids							
Percent Solids	91	%		SM2540G	04/28/11	04/28/11 9:58	LMJ
Total Metals							
Arsenic	13	mg/kg	0.41	EPA 6020A	04/27/11	04/28/11 13:40	MEL
Field Sample ID: S-21 (16")			**Date Sampled: 04/27/11 14:05**			**Lab ID: 11042706-25**	
Percent Solids							
Percent Solids	80	%		SM2540G	04/28/11	04/28/11 9:58	LMJ
Total Metals							
Arsenic	310	mg/kg	0.4	EPA 6020A	04/27/11	04/28/11 13:44	MEL
Lead	14,000	mg/kg	20	EPA 6020A	04/27/11	05/04/11 16:45	MEL
Field Sample ID: S-19 (54")			**Date Sampled: 04/27/11 14:10**			**Lab ID: 11042706-26**	
Percent Solids							
Percent Solids	80	%		SM2540G	04/28/11	04/28/11 9:58	LMJ
Total Metals							
Arsenic	17	mg/kg	0.61	EPA 6020A	04/27/11	04/28/11 13:49	MEL
Lead	350	mg/kg	30	EPA 6020A	04/27/11	05/04/11 16:51	MEL

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.
Results reported on a dry weight basis.

Approved by: Matt Cohen
QC Chemist

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Chain of Custody Record

Customer:	ARM Group
Contact/Report to:	Steve Fulton
Phone:	717-533-8600
Fax:	717-533-8605

E-mail address:	sfulton@armgroup.net
Project Name:	Northwest Triangle
Project Number:	07214
Location:	York, PA

SDG Number:	11042706
Sampled by:	K. Schiefer
PO Number:	

Analysis Requested

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Matrix	Preservative	Arsenic									Sampling Remarks/ Comments
	SR-W-1	4-27	12:00	1	SO		1									
	SR-W-2		12:05	1			1									
	SR-W-3		12:10	1			1									
	SR-W-4		12:15	1			1									
	SR-W-5		12:20	1			1									
	SR-W-6		12:25	1			1									
	SR-W-7		12:30	1			1									
	SR-W-8		12:35	1			1									
	SR-W-9		12:40	1			1									
	SR-W-10		12:45	1			1									

Relinquished by:	ARM Group	Date/Time:	4-27-11 / 15:20
Received by:		Date/Time:	4/27/11 1520
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

Deliverables: I II III CLP EDD

Receipt Temperature: Temp:_____ On Ice

Turnaround Time: STD Next Day 2-Day Other_____

Custody Seals: Sample Cooler Delivered by client

Comments/Special Instructions:

CALIBER ANALYTICAL SERVICES

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Chain of Custody Record

Customer:	ARM Group
Contact/Report to:	Steve Fulton
Phone:	717-533-8600
Fax:	717-533-8605

E-mail address:	sfulton@armgroup.net
Project Name:	Northwest Triangle
Project Number:	07214
Location:	York, PA

SDG Number:	1042706

Sampled by:	K. Schiefer
PO Number:	

Analysis Requested

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Matrix	Preservative	Arsenic									Sampling Remarks/ Comments
							–									
	SR-W-11	4-27	12:50	1	SO		1									
	SR-W-12	↓	12:55	1	↓		1									
	SR-W-13		13:00	1			1									
	SR-W-14		13:05	1			1									
	SR-W-15		13:15	1			1									
	SR-W-16		13:20	1			1									
	SR-W-17		13:25	1			1									
	SR-W-18		13:30	1			1									
	SR-W-19		13:35	1			1									
	SR-W-20	↓	13:40	1	↓		1									

Relinquished by:	ARM Group	Date/Time:	4-27-11/15:20
Received by:		Date/Time:	4/27/11 1520
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

Deliverables: I II III CLP EDD

Receipt Temperature: Temp:_____ On Ice

Turnaround Time: STD Next Day 2-Day Other_____

Custody Seals: Sample Cooler Delivered by client

Comments/Special Instructions:

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Chain of Custody Record

Customer:	ARM Group
Contact/Report to:	Steve Fulton
Phone:	717-533-8600
Fax:	717-533-8605

E-mail address:	sfulton@armgroup.net
Project Name:	Northwest Triangle
Project Number:	07214
Location:	York, PA

SDG Number:	1104 2706
Sampled by:	K. Schiefer
PO Number:	

Analysis Requested

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Matrix	Preservative	Arsenic	Lead									Sampling Remarks/ Comments
							–	–									
	SR-W-21	4-27	13:45	1	SO		1										
	SR-W-22	↓	13:50	1	↓		1										
	SR-W-23	↓	13:55	1	↓		1										
	SR-W-24	↓	14:00	1	↓		1										
	S-21 [16"]	↓	14:05	1	↓		1	1									
	S-19 [54"]	↓	14:10	1	↓		1	1									

Relinquished by:	ARM Group	Date/Time:	4-27-11 / 15:20
Received by:		Date/Time:	4/27/11 1520
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

Deliverables: I II III CLP EDD

Custody Seals: Sample Cooler

Delivered by client

Receipt Temperature: Temp:_____ On Ice

Turnaround Time: STD Next Day 2-Day Other_____

Comments/Special Instructions:

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Certificate of Analysis

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Date Received: 05/03/11 15:55
Date Issued: 05/04/11 15:34

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11050305

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: SR-W-25	**Matrix: Soil**		**Date Sampled: 05/03/11 12:10**			**Lab ID: 11050305-01**	
Percent Solids							
Percent Solids	83	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	7.4	mg/kg	0.58	EPA 6020A	05/03/11	05/04/11 12:04	MEL
Field Sample ID: SR-W-26	**Matrix: Soil**		**Date Sampled: 05/03/11 12:15**			**Lab ID: 11050305-02**	
Percent Solids							
Percent Solids	92	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	6.5	mg/kg	0.42	EPA 6020A	05/03/11	05/04/11 12:26	MEL
Field Sample ID: SR-W-27	**Matrix: Soil**		**Date Sampled: 05/03/11 12:20**			**Lab ID: 11050305-03**	
Percent Solids							
Percent Solids	95	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	18	mg/kg	0.48	EPA 6020A	05/03/11	05/04/11 12:31	MEL
Field Sample ID: SR-W-28	**Matrix: Soil**		**Date Sampled: 05/03/11 12:25**			**Lab ID: 11050305-04**	
Percent Solids							
Percent Solids	85	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	5.2	mg/kg	0.59	EPA 6020A	05/03/11	05/04/11 12:35	MEL
Field Sample ID: SR-W-29	**Matrix: Soil**		**Date Sampled: 05/03/11 12:30**			**Lab ID: 11050305-05**	
Percent Solids							
Percent Solids	88	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	4.4	mg/kg	0.37	EPA 6020A	05/03/11	05/04/11 12:49	MEL
Field Sample ID: SR-W-30	**Matrix: Soil**		**Date Sampled: 05/03/11 12:35**			**Lab ID: 11050305-06**	
Percent Solids							
Percent Solids	82	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	6.7	mg/kg	0.53	EPA 6020A	05/03/11	05/04/11 12:53	MEL

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Date Received: 05/03/11 15:55
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Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11050305

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: SR-W-31	**Matrix: Soil**		**Date Sampled: 05/03/11 12:40**			**Lab ID: 11050305-07**	
Percent Solids							
Percent Solids	88	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	12	mg/kg	0.43	EPA 6020A	05/03/11	05/04/11 12:58	MEL
Field Sample ID: SR-W-32	**Matrix: Soil**		**Date Sampled: 05/03/11 12:45**			**Lab ID: 11050305-08**	
Percent Solids							
Percent Solids	93	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	14	mg/kg	0.37	EPA 6020A	05/03/11	05/04/11 13:02	MEL
Field Sample ID: SR-W-33	**Matrix: Soil**		**Date Sampled: 05/03/11 12:50**			**Lab ID: 11050305-09**	
Percent Solids							
Percent Solids	94	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	8.0	mg/kg	0.39	EPA 6020A	05/03/11	05/04/11 13:07	MEL
Field Sample ID: SR-W-34	**Matrix: Soil**		**Date Sampled: 05/03/11 12:55**			**Lab ID: 11050305-10**	
Percent Solids							
Percent Solids	84	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	7.7	mg/kg	0.48	EPA 6020A	05/03/11	05/04/11 13:11	MEL
Field Sample ID: SR-W-35	**Matrix: Soil**		**Date Sampled: 05/03/11 13:00**			**Lab ID: 11050305-11**	
Percent Solids							
Percent Solids	88	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	6.2	mg/kg	0.43	EPA 6020A	05/03/11	05/04/11 13:16	MEL
Field Sample ID: SR-W-36	**Matrix: Soil**		**Date Sampled: 05/03/11 13:05**			**Lab ID: 11050305-12**	
Percent Solids							
Percent Solids	91	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	8.0	mg/kg	0.5	EPA 6020A	05/03/11	05/04/11 13:20	MEL

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Date Received: 05/03/11 15:55
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Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11050305

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: SR-W-37	**Matrix: Soil**		**Date Sampled: 05/03/11 13:10**			**Lab ID: 11050305-13**	
Percent Solids							
Percent Solids	94	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	9.2	mg/kg	0.45	EPA 6020A	05/03/11	05/04/11 13:25	MEL
Field Sample ID: SR-W-38	**Matrix: Soil**		**Date Sampled: 05/03/11 13:15**			**Lab ID: 11050305-14**	
Percent Solids							
Percent Solids	91	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	7.4	mg/kg	0.49	EPA 6020A	05/03/11	05/04/11 13:29	MEL
Field Sample ID: SR-W-39	**Matrix: Soil**		**Date Sampled: 05/03/11 13:20**			**Lab ID: 11050305-15**	
Percent Solids							
Percent Solids	77	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	41	mg/kg	0.61	EPA 6020A	05/03/11	05/04/11 13:42	MEL
Field Sample ID: SR-W-40	**Matrix: Soil**		**Date Sampled: 05/03/11 13:25**			**Lab ID: 11050305-16**	
Percent Solids							
Percent Solids	82	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	6.2	mg/kg	0.47	EPA 6020A	05/03/11	05/04/11 13:47	MEL
Field Sample ID: SR-W-41	**Matrix: Soil**		**Date Sampled: 05/03/11 13:30**			**Lab ID: 11050305-17**	
Percent Solids							
Percent Solids	76	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	21	mg/kg	0.62	EPA 6020A	05/03/11	05/04/11 13:51	MEL
Field Sample ID: SR-W-42	**Matrix: Soil**		**Date Sampled: 05/03/11 13:35**			**Lab ID: 11050305-18**	
Percent Solids							
Percent Solids	92	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	46	mg/kg	0.47	EPA 6020A	05/03/11	05/04/11 13:56	MEL

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Date Received: 05/03/11 15:55
Date Issued: 05/04/11 15:34

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11050305

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: SR-W-43	**Matrix: Soil**		**Date Sampled: 05/03/11 13:40**			**Lab ID: 11050305-19**	
Percent Solids							
Percent Solids	69	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	100	mg/kg	0.37	EPA 6020A	05/03/11	05/04/11 14:00	MEL
Field Sample ID: SR-W-44	**Matrix: Soil**		**Date Sampled: 05/03/11 13:45**			**Lab ID: 11050305-20**	
Percent Solids							
Percent Solids	84	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	6.3	mg/kg	0.4	EPA 6020A	05/03/11	05/04/11 14:05	MEL
Field Sample ID: SR-W-45	**Matrix: Soil**		**Date Sampled: 05/03/11 13:50**			**Lab ID: 11050305-21**	
Percent Solids							
Percent Solids	86	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	5.7	mg/kg	0.53	EPA 6020A	05/03/11	05/04/11 14:09	MEL
Field Sample ID: SR-W-46	**Matrix: Soil**		**Date Sampled: 05/03/11 13:55**			**Lab ID: 11050305-22**	
Percent Solids							
Percent Solids	96	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	22	mg/kg	0.44	EPA 6020A	05/03/11	05/04/11 14:14	MEL
Field Sample ID: SR-W-47	**Matrix: Soil**		**Date Sampled: 05/03/11 14:00**			**Lab ID: 11050305-23**	
Percent Solids							
Percent Solids	95	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	9.4	mg/kg	0.33	EPA 6020A	05/03/11	05/04/11 14:18	MEL
Field Sample ID: SR-W-48	**Matrix: Soil**		**Date Sampled: 05/03/11 14:05**			**Lab ID: 11050305-24**	
Percent Solids							
Percent Solids	82	%		SM2540G	05/04/11	05/04/11 10:08	LMJ
Total Metals							
Arsenic	9.6	mg/kg	0.39	EPA 6020A	05/03/11	05/04/11 14:23	MEL

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Date Received: 05/03/11 15:55
Date Issued: 05/04/11 15:34

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11050305

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.

Approved by:

QC Chemist

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.
Results reported on a dry weight basis.

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Chain of Custody Record

Customer:	ARM Group Inc
Contact/Report to:	Steve Fulton
Phone:	717-533-8600
Fax:	717-533-8605

E-mail address:	sfulton@armgroup.net
Project Name:	Northwest Triangle
Project Number:	07214
Location:	York, PA

SDG Number:	11050305
PO Number:	

Analysis Requested

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Matrix	Preservative	—										Sampling Remarks/ Comments
							Arsenic										
	SR-W-25	5-3-11	12:10	1	SO		1										
	SR-W-26		12:15	1			1										
	SR-W-27		12:20	1			1										
	SR-W-28		12:25	1			1										
	SR-W-29		12:30	1			1										
	SR-W-30		12:35	1			1										
	SR-W-31		12:40	1			1										
	SR-W-32		12:45	1			1										
	SR-W-33		12:50	1			1										
	SR-W-34		12:55	1			1										

Relinquished by:	ARM Group	Date/Time:	5-3-11 15:55
Received by:	M. Coller	Date/Time:	5/3/11 1555
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

Deliverables: I II III CLP EDD

Receipt Temperature: Temp:_____ On Ice

Turnaround Time: STD Next Day 2-Day Other_____

Custody Seals: Sample Cooler Delivered by client

Comments/Special Instructions:

CALIBER ANALYTICAL SERVICES

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Chain of Custody Record

Customer:	ARM Group
Contact/Report to:	Steve Fulton
Phone:	717-533-8600
Fax:	717-533-8605

E-mail address:	sfulton@armgroup.net
Project Name:	Northwest Triangle
Project Number:	07214
Location:	York, PA

SDG Number:	11050305
PO Number:	

Analysis Requested

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Matrix	Preservative	Arsenic									Sampling Remarks/ Comments
	SR-W-35	5/3/11	13:00	1	SO		1									
	SR-W-36	↓	13:05	1	↓		1									
	SR-W-37		13:10	1			1									
	SR-W-38		13:15	1			1									
	SR-W-39		13:20	1			1									
	SR-W-40		13:25	1			1									
	SR-W-41		13:30	1			1									
	SR-W-42		13:35	1			1									
	SR-W-43		13:40	1			1									
	SR-W-44	↓	13:45	1	↓		1									

Relinquished by:	ARM Group	Date/Time:	5-3-11 15:55
Received by:		Date/Time:	5/3/11 1555
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

Deliverables: I II III CLP EDD

Receipt Temperature: Temp:_____ On Ice

Turnaround Time: STD Next Day 2-Day Other_____

Custody Seals: Sample Cooler Delivered by client

Comments/Special Instructions:

CALIBER ANALYTICAL SERVICES

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Chain of Custody Record

Customer:	ARM Group
Contact/Report to:	Steve Fulton
Phone:	717-533-8600
Fax:	717-533-8605

E-mail address:	sfulton@armgroup.net
Project Name:	Northwest Triangle
Project Number:	07214
Location:	York, PA

SDG Number:	11050305
PO Number:	

Analysis Requested

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Matrix	Preservative	Arsenic									Sampling Remarks/ Comments
	SR-W-45	5/3/11	13:50	1	SO		1									
	SR-W-46	↓	13:55	1	↓		1									
	SR-W-47		14:00	1			1									
	SR-W-48		14:05	1			1									

Relinquished by:	ARM Group	Date/Time:	5-3-11 15:55	Deliverables:	Receipt Temperature:	Turnaround Time:
Received by:		Date/Time:	5/3/11 1555	I II III CLP EDD	Temp:_____ On Ice	STD Next Day 2-Day Other_____
Relinquished by:		Date/Time:		Custody Seals:	Comments/Special Instructions:	
Received by:		Date/Time:		Sample Cooler		
Relinquished by:		Date/Time:		Delivered by client		
Received by:		Date/Time:				

CALIBER ANALYTICAL SERVICES

Certificate of Analysis

ARM Group Inc.
9175 Guilford Road, Suite 310
Columbia, MD 21046

Date Received: 05/04/11 16:33
Date Issued: 05/05/11 16:29

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11050411

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: SR-E-1	**Matrix: Soil**		**Date Sampled: 05/04/11 13:00**			**Lab ID: 11050411-01**	
Percent Solids							
Percent Solids	84	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	13	mg/kg	0.58	EPA 6020A	05/04/11	05/05/11 12:27	MEL
Field Sample ID: SR-E-2	**Matrix: Soil**		**Date Sampled: 05/04/11 13:05**			**Lab ID: 11050411-02**	
Percent Solids							
Percent Solids	88	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	4.0	mg/kg	0.46	EPA 6020A	05/04/11	05/05/11 12:52	MEL
Field Sample ID: SR-E-3	**Matrix: Soil**		**Date Sampled: 05/04/11 13:10**			**Lab ID: 11050411-03**	
Percent Solids							
Percent Solids	82	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	4.8	mg/kg	0.44	EPA 6020A	05/04/11	05/05/11 12:57	MEL
Field Sample ID: SR-E-4	**Matrix: Soil**		**Date Sampled: 05/04/11 13:15**			**Lab ID: 11050411-04**	
Percent Solids							
Percent Solids	83	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	6.5	mg/kg	0.47	EPA 6020A	05/04/11	05/05/11 13:02	MEL
Field Sample ID: SR-E-5	**Matrix: Soil**		**Date Sampled: 05/04/11 13:20**			**Lab ID: 11050411-05**	
Percent Solids							
Percent Solids	83	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	8.0	mg/kg	0.44	EPA 6020A	05/04/11	05/05/11 13:17	MEL
Field Sample ID: SR-E-6	**Matrix: Soil**		**Date Sampled: 05/04/11 13:25**			**Lab ID: 11050411-06**	
Percent Solids							
Percent Solids	81	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	5.3	mg/kg	0.51	EPA 6020A	05/04/11	05/05/11 13:23	MEL

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CALIBER ANALYTICAL SERVICES

Certificate of Analysis

ARM Group Inc.
9175 Guilford Road, Suite 310
Columbia, MD 21046

Date Received: 05/04/11 16:33
Date Issued: 05/05/11 16:29

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11050411

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: SR-E-7	**Matrix: Soil**		**Date Sampled: 05/04/11 13:30**			**Lab ID: 11050411-07**	
Percent Solids							
Percent Solids	85	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	4.2	mg/kg	0.54	EPA 6020A	05/04/11	05/05/11 13:28	MEL
Field Sample ID: SR-E-8	**Matrix: Soil**		**Date Sampled: 05/04/11 13:35**			**Lab ID: 11050411-08**	
Percent Solids							
Percent Solids	77	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	8.0	mg/kg	0.48	EPA 6020A	05/04/11	05/05/11 13:33	MEL
Field Sample ID: SR-E-9	**Matrix: Soil**		**Date Sampled: 05/04/11 13:40**			**Lab ID: 11050411-09**	
Percent Solids							
Percent Solids	78	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	7.8	mg/kg	0.6	EPA 6020A	05/04/11	05/05/11 13:38	MEL
Field Sample ID: SR-E-10	**Matrix: Soil**		**Date Sampled: 05/04/11 13:45**			**Lab ID: 11050411-10**	
Percent Solids							
Percent Solids	85	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	19	mg/kg	0.38	EPA 6020A	05/04/11	05/05/11 13:43	MEL
Field Sample ID: SR-E-11	**Matrix: Soil**		**Date Sampled: 05/04/11 13:50**			**Lab ID: 11050411-11**	
Percent Solids							
Percent Solids	81	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	10	mg/kg	0.55	EPA 6020A	05/04/11	05/05/11 13:48	MEL
Field Sample ID: SR-E-12	**Matrix: Soil**		**Date Sampled: 05/04/11 13:55**			**Lab ID: 11050411-12**	
Percent Solids							
Percent Solids	73	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	7.1	mg/kg	0.57	EPA 6020A	05/04/11	05/05/11 13:53	MEL

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Certificate of Analysis

ARM Group Inc.
9175 Guilford Road, Suite 310
Columbia, MD 21046

Date Received: 05/04/11 16:33
Date Issued: 05/05/11 16:29

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11050411

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: OB-EX-22 (54")	**Matrix: Soil**		**Date Sampled: 05/04/11 15:05**			**Lab ID: 11050411-13**	
Percent Solids							
Percent Solids	82	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	5.7	mg/kg	0.48	EPA 6020A	05/04/11	05/05/11 13:58	MEL
Lead	37	mg/kg	2.4	EPA 6020A	05/04/11	05/05/11 13:58	MEL
Field Sample ID: OB-EX-30 (16")	**Matrix: Soil**		**Date Sampled: 05/04/11 15:10**			**Lab ID: 11050411-14**	
Percent Solids							
Percent Solids	87	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	4.4	mg/kg	0.57	EPA 6020A	05/04/11	05/05/11 14:03	MEL
Lead	19	mg/kg	2.8	EPA 6020A	05/04/11	05/05/11 14:03	MEL
Field Sample ID: OB-EX-31 (54")	**Matrix: Soil**		**Date Sampled: 05/04/11 15:15**			**Lab ID: 11050411-15**	
Percent Solids							
Percent Solids	83	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	10	mg/kg	0.34	EPA 6020A	05/04/11	05/05/11 14:08	MEL
Lead	570	mg/kg	1.7	EPA 6020A	05/04/11	05/05/11 14:08	MEL

Approved by: Matt Cohen

QC Chemist

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.
Results reported on a dry weight basis.

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CALIBER ANALYTICAL SERVICES

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Chain of Custody Record

Customer:	ARM Group
Contact/Report to:	Steve Fulton
Phone:	717-533-8600
Fax:	717-533-8605

E-mail address:	sfulton@armgroup.net
Project Name:	Northwest Triangle
Project Number:	07214
Location:	York, PA

SDG Number:	11050411
Sampled by:	K. Schiefer
PO Number:	

Analysis Requested

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Matrix	Preservative	—									Sampling Remarks/ Comments
						Arsenic										
	SR-E-1	5/4/11	13:00	1	SO	1										
	SR-E-2	↓	13:05	1	↓	1										
	SR-E-3		13:10	1		1										
	SR-E-4		13:15	1		1										
	SR-E-5		13:20	1		1										
	SR-E-6		13:25	1		1										
	SR-E-7		13:30	1		1										
	SR-E-8		13:35	1		1										
	SR-E-9		13:40	1		1										
	SR-E-10	↓	13:45	1	↓	1										

Relinquished by:	ARM Group	Date/Time:	5/4/11 16:30
Received by:		Date/Time:	5/4/11 1630
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

Deliverables: I II III CLP EDD

Receipt Temperature: Temp: NA On Ice

Turnaround Time: STD Next Day 2-Day Other____

Custody Seals: Sample Cooler Delivered by client

Comments/Special Instructions:

CALIBER ANALYTICAL SERVICES

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Chain of Custody Record

Customer:	ARM Group
Contact/Report to:	Steve Fulton
Phone:	717-533-8600
Fax:	717-533-8605

E-mail address:	sfulton@armgroup.net
Project Name:	Northwest Triangle
Project Number:	07214
Location:	York, PA

SDG Number:	11050411
Sampled by:	K. Schiefer
PO Number:	

Analysis Requested

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Matrix	Preservative	Arsenic	Lead									Sampling Remarks/ Comments
							–	–									
	SR-E-11	5/4/11	13:50	1	SO		1										
	SR-E-12	5/4/11	13:55	1	SO		1										
	OB-EX-22 [54"]	5/4/11	15:05	1	SO		1	1									
	OB-EX-30 [16"]	5/4/11	15:10	1	SO		1	1									
	OB-EX-31 [54"]	5/4/11	15:15	1	SO		1	1									

Relinquished by:	ARM Group	Date/Time:	5/4/11 16:30	Deliverables:	Receipt Temperature:	Turnaround Time:
Received by:		Date/Time:	5/4/11 16:30	I II III CLP EDD	Temp: NA On Ice	STD Next Day 2-Day Other____
Relinquished by:		Date/Time:		Custody Seals:	Comments/Special Instructions:	
Received by:		Date/Time:		Sample Cooler		
Relinquished by:		Date/Time:		Delivered by client		
Received by:		Date/Time:				

CALIBER ANALYTICAL SERVICES

Certificate of Analysis

ARM Group Inc.
9175 Guilford Road, Suite 310
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Date Received: 05/05/11 16:00
Date Issued: 05/06/11 15:31

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11050504

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: OB-EX-32 (20")	**Matrix: Soil**		**Date Sampled: 05/05/11 13:00**			**Lab ID: 11050504-01**	
Percent Solids							
Percent Solids	81	%		SM2540G	05/06/11	05/06/11 10:09	LMJ
Total Metals							
Arsenic	5.6	mg/kg	0.44	EPA 6020A	05/06/11	05/06/11 12:28	MEL
Lead	780	mg/kg	2.2	EPA 6020A	05/06/11	05/06/11 12:28	MEL
Field Sample ID: OB-EX-33 (20")	**Matrix: Soil**		**Date Sampled: 05/05/11 13:05**			**Lab ID: 11050504-02**	
Percent Solids							
Percent Solids	80	%		SM2540G	05/06/11	05/06/11 10:09	LMJ
Total Metals							
Arsenic	37	mg/kg	0.48	EPA 6020A	05/06/11	05/06/11 12:34	MEL
Lead	300	mg/kg	2.4	EPA 6020A	05/06/11	05/06/11 12:34	MEL
Field Sample ID: S-19 (70")	**Matrix: Soil**		**Date Sampled: 05/05/11 13:30**			**Lab ID: 11050504-03**	
Percent Solids							
Percent Solids	83	%		SM2540G	05/06/11	05/06/11 10:09	LMJ
Total Metals							
Arsenic	5.7	mg/kg	0.5	EPA 6020A	05/06/11	05/06/11 12:40	MEL

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.
Results reported on a dry weight basis.

Approved by: Matt Cohen
QC Chemist

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CALIBER ANALYTICAL SERVICES

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Chain of Custody Record

Customer:	ARM Group
Contact/Report to:	Steve Fulton
Phone:	717-533-8609
Fax:	717-533-8605

E-mail address:	sfulton@armgroup.net
Project Name:	Northwest Triangle
Project Number:	07214
Location:	York, PA

SDG Number:	11050504

Sampled by:	K. Schiefer
PO Number:	

Analysis Requested

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Matrix	Arsenic	Lead									Sampling Remarks/ Comments
					Preservative	—	—									
	OB-EX-32 [20"]	5/5/11	13:00	1	SO	1	1									
	OB-EX-33 [20"]	↓	13:05	1	SO	1	1									
	S-19 [70"]		13:30	1	SO	1										
	S-19 [90"]		13:35	1	SO	1										HOLD

Relinquished by:	ARM Group	Date/Time:	5/5/11 16:00	Deliverables:	Receipt Temperature:	Turnaround Time:
Received by:		Date/Time:	5/5/11 16:00	I II III CLP EDD	Temp:_____ On Ice	STD Next Day 2-Day Other_____
Relinquished by:		Date/Time:		Custody Seals:	Comments/Special Instructions:	
Received by:		Date/Time:		Sample Cooler		
Relinquished by:		Date/Time:		Delivered by client		
Received by:		Date/Time:				

CALIBER ANALYTICAL SERVICES

Certificate of Analysis

ARM Group Inc.
9175 Guilford Road, Suite 310
Columbia, MD 21046

Date Received: 05/09/11 12:50
Date Issued: 05/10/11 15:51

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11050903

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: OB-EX-31 (70")	**Matrix: Soil**		**Date Sampled: 05/09/11 9:00**			**Lab ID: 11050903-01**	
Percent Solids							
Percent Solids	77	%		SM2540G	05/10/11	05/10/11 15:19	LMJ
Total Metals							
Lead	1,200	mg/kg	2.4	EPA 6020A	05/09/11	05/10/11 11:15	MEL
Field Sample ID: OB-EX-32 (36")	**Matrix: Soil**		**Date Sampled: 05/09/11 9:05**			**Lab ID: 11050903-02**	
Percent Solids							
Percent Solids	85	%		SM2540G	05/10/11	05/10/11 15:19	LMJ
Total Metals							
Lead	47	mg/kg	2.6	EPA 6020A	05/09/11	05/10/11 11:20	MEL
Field Sample ID: OB-EX-33 (36")	**Matrix: Soil**		**Date Sampled: 05/09/11 9:10**			**Lab ID: 11050903-03**	
Percent Solids							
Percent Solids	92	%		SM2540G	05/10/11	05/10/11 15:19	LMJ
Total Metals							
Arsenic	5.5	mg/kg	0.37	EPA 6020A	05/09/11	05/10/11 11:25	MEL

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.
Results reported on a dry weight basis.

Approved by: Matt Cohen
QC Chemist

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CALIBER ANALYTICAL SERVICES.

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Chain of Custody Record

Customer:	ARM Group
Contact/Report to:	Steve Fulton
Phone:	717-533-8600
Fax:	717-533-8605

E-mail address:	sfulton@armgroup.net
Project Name:	Northwest Triangle
Project Number:	07214
Location:	York, PA

SDG Number:	11050903
PO Number:	

Analysis Requested

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Matrix	Arsenic	Lead									Sampling Remarks/ Comments
					Preservative	–	–									
	OB-EX-31 [70"]	5-9-11	9:00	1	SO		1									
	OB-EX-32 [36"]	↓	9:05	1	↓		1									
	OB-EX-33 [36"]		9:10	1		1										
	OB-EX-32 [54"]		9:15	1												HOLD
	OB-EX-33 [54"]	↓	9:20	1	↓											HOLD

Relinquished by:	ARM Group	Date/Time:	5/9/11 12:50	Deliverables:	Receipt Temperature:	Turnaround Time:
Received by:		Date/Time:	5/9/11 1250	I II III CLP EDD	Temp:_____ On Ice	STD Next Day 2-Day Other_____
Relinquished by:		Date/Time:		Custody Seals:	Comments/Special Instructions:	
Received by:		Date/Time:		Sample Cooler		
Relinquished by:		Date/Time:		Delivered by client		
Received by:		Date/Time:				

CALIBER ANALYTICAL SERVICES

Certificate of Analysis

ARM Group Inc.
9175 Guilford Road, Suite 310
Columbia, MD 21046

Date Received: 05/10/11 13:45
Date Issued: 05/11/11 16:50

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11051003

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: SR-W-49	**Matrix: Soil**		**Date Sampled: 05/10/11 10:45**			**Lab ID: 11051003-01**	
Percent Solids							
Percent Solids	97	%		SM2540G	05/11/11	05/11/11 11:10	LMJ
Total Metals							
Arsenic	7.5	mg/kg	0.42	EPA 6020A	05/10/11	05/11/11 13:24	MEL
Field Sample ID: SR-W-50	**Matrix: Soil**		**Date Sampled: 05/10/11 10:50**			**Lab ID: 11051003-02**	
Percent Solids							
Percent Solids	91	%		SM2540G	05/11/11	05/11/11 16:45	LMJ
Total Metals							
Arsenic	7.4	mg/kg	0.51	EPA 6020A	05/10/11	05/11/11 13:49	MEL
Field Sample ID: SR-W-51	**Matrix: Soil**		**Date Sampled: 05/10/11 10:55**			**Lab ID: 11051003-03**	
Percent Solids							
Percent Solids	71	%		SM2540G	05/11/11	05/11/11 11:10	LMJ
Total Metals							
Arsenic	7.5	mg/kg	0.64	EPA 6020A	05/10/11	05/11/11 13:54	MEL
Field Sample ID: SR-W-52	**Matrix: Soil**		**Date Sampled: 05/10/11 11:00**			**Lab ID: 11051003-04**	
Percent Solids							
Percent Solids	90	%		SM2540G	05/11/11	05/11/11 11:10	LMJ
Total Metals							
Arsenic	76	mg/kg	0.32	EPA 6020A	05/10/11	05/11/11 14:00	MEL
Field Sample ID: SR-W-53	**Matrix: Soil**		**Date Sampled: 05/10/11 11:05**			**Lab ID: 11051003-05**	
Percent Solids							
Percent Solids	76	%		SM2540G	05/11/11	05/11/11 11:10	LMJ
Total Metals							
Arsenic	7.7	mg/kg	0.45	EPA 6020A	05/10/11	05/11/11 14:15	MEL
Field Sample ID: SR-W-54	**Matrix: Soil**		**Date Sampled: 05/10/11 11:10**			**Lab ID: 11051003-06**	
Percent Solids							
Percent Solids	95	%		SM2540G	05/11/11	05/11/11 11:10	LMJ
Total Metals							
Arsenic	8.1	mg/kg	0.46	EPA 6020A	05/10/11	05/11/11 14:20	MEL

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CALIBER ANALYTICAL SERVICES

Certificate of Analysis

ARM Group Inc.
9175 Guilford Road, Suite 310
Columbia, MD 21046

Date Received: 05/10/11 13:45
Date Issued: 05/11/11 16:50

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11051003

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: SR-W-55	**Matrix: Soil**		**Date Sampled: 05/10/11 11:15**			**Lab ID: 11051003-07**	
Percent Solids							
Percent Solids	87	%		SM2540G	05/11/11	05/11/11 11:10	LMJ
Total Metals							
Arsenic	20	mg/kg	0.43	EPA 6020A	05/10/11	05/11/11 14:25	MEL
Field Sample ID: SR-W-56	**Matrix: Soil**		**Date Sampled: 05/10/11 11:20**			**Lab ID: 11051003-08**	
Percent Solids							
Percent Solids	73	%		SM2540G	05/11/11	05/11/11 11:10	LMJ
Total Metals							
Arsenic	530	mg/kg	0.61	EPA 6020A	05/10/11	05/11/11 14:30	MEL
Field Sample ID: SR-W-57	**Matrix: Soil**		**Date Sampled: 05/10/11 11:25**			**Lab ID: 11051003-09**	
Percent Solids							
Percent Solids	93	%		SM2540G	05/11/11	05/11/11 11:10	LMJ
Total Metals							
Arsenic	9.2	mg/kg	0.51	EPA 6020A	05/10/11	05/11/11 14:35	MEL
Field Sample ID: SR-W-58	**Matrix: Soil**		**Date Sampled: 05/10/11 11:30**			**Lab ID: 11051003-10**	
Percent Solids							
Percent Solids	95	%		SM2540G	05/11/11	05/11/11 11:10	LMJ
Total Metals							
Arsenic	24	mg/kg	0.45	EPA 6020A	05/10/11	05/11/11 14:40	MEL
Field Sample ID: SR-W-59	**Matrix: Soil**		**Date Sampled: 05/10/11 11:35**			**Lab ID: 11051003-11**	
Percent Solids							
Percent Solids	97	%		SM2540G	05/11/11	05/11/11 11:10	LMJ
Total Metals							
Arsenic	24	mg/kg	0.28	EPA 6020A	05/10/11	05/11/11 14:45	MEL
Field Sample ID: SR-W-60	**Matrix: Soil**		**Date Sampled: 05/10/11 11:40**			**Lab ID: 11051003-12**	
Percent Solids							
Percent Solids	98	%		SM2540G	05/11/11	05/11/11 11:10	LMJ
Total Metals							
Arsenic	130	mg/kg	0.49	EPA 6020A	05/10/11	05/11/11 14:50	MEL

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CALIBER ANALYTICAL SERVICES

Certificate of Analysis

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9175 Guilford Road, Suite 310
Columbia, MD 21046

Date Received: 05/10/11 13:45
Date Issued: 05/11/11 16:50

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11051003

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: OB-EX-31 (76')	**Matrix: Soil**		**Date Sampled: 05/10/11 12:00**			**Lab ID: 11051003-13**	
Percent Solids							
Percent Solids	**81**	%		SM2540G	05/11/11	05/11/11 11:10	LMJ
Total Metals							
Lead	**68**	mg/kg	2.5	EPA 6020A	05/10/11	05/11/11 14:55	MEL

Approved by: Matt Cohen

QC Chemist

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.
Results reported on a dry weight basis.

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CALIBER ANALYTICAL SERVICES

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Phone: 410.825.1151
Fax: 410.825.2126
www.caslabs.net

Chain of Custody Record

Customer:	ARM Group
Contact/Report to:	Steve Fulton
Phone:	717-533-8600
Fax:	717-533-8605

E-mail address:	sfulton@armgroup.net
Project Name:	Northwest Triangle
Project Number:	07214
Location:	York, PA

SDG Number:	11051003
PO Number:	

Analysis Requested

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Matrix	Preservative	—									Sampling Remarks/ Comments
							Arsenic									
	SR-W-49	5/10/11	10:45	1	SO		1									
	SR-W-50		10:50	1			1									
	SR-W-51		10:55	1			1									
	SR-W-52		11:00	1			1									
	SR-W-53		11:05	1			1									
	SR-W-54		11:10	1			1									
	SR-W-55		11:15	1			1									
	SR-W-56		11:20	1			1									
	SR-W-57		11:25	1			1									
	SR-W-58		11:30	1			1									

Relinquished by:	ARM Group	Date/Time:	5/10/11 13:45
Received by:	McCoke CAS	Date/Time:	5/10/11 1345
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

Deliverables: I II III CLP EDD

Receipt Temperature: Temp:_____ On Ice

Turnaround Time: STD Next Day 2-Day Other_____

Custody Seals: Sample Cooler Delivered by client

Comments/Special Instructions:

CALIBER ANALYTICAL SERVICES

8851 Orchard Tree Lane Towson, MD 21286
Phone: 410.825.1151
Fax: 410.825.2126
www.caslabs.net

Chain of Custody Record

Customer:	ARM Group
Contact/Report to:	Steve Fulton
Phone:	717-533-8600
Fax:	717-533-8605

E-mail address:	sfulton@armgroup.net
Project Name:	Northwest Triangle
Project Number:	07214
Location:	York, PA

SDG Number:	1105 1003
PO Number:	

Analysis Requested

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Matrix	Arsenic	Lead									Sampling Remarks/ Comments
					Preservative	–	–									
	SR-W-59	5/10/11	11:35	1	SO	1										
	SR-W-60	↓	11:40	1	↓	1										
	OB-EX-31[76"]	↓	12:00	1	↓		1									HOLD

Relinquished by:	ARM Group	Date/Time:	5/10/11 13:45	Deliverables:	Receipt Temperature:	Turnaround Time:
Received by:	CAS	Date/Time:	5/10/11 1345	I II III CLP EDD	Temp:_____ On Ice	STD Next Day 2-Day Other_____
Relinquished by:		Date/Time:		Custody Seals:	Comments/Special Instructions:	
Received by:		Date/Time:		Sample Cooler		
Relinquished by:		Date/Time:		Delivered by client		
Received by:		Date/Time:				

APPENDIX E

Groundwater Laboratory Analytical Results

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

Certificate of Analysis

Project Name:	**YORK RDA - NORTHWEST**	Workorder:	**9719195**
Purchase Order:	**07214**	Workorder ID:	**GW-8260B,8270C,PPL Metals**

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

July 17, 2009

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Tuesday, January 15, 2008

ALSI is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAP accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALSI.

NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Steve Fulton

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Laboratory Manager

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SAMPLE SUMMARY

Workorder: 9719195 GW-8260B,8270C,PPL Metals

Discard Date: 07/31/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9719195001	MW-1S	Ground Water	1/15/08 12:35	1/15/08 14:20	Dan Buterbaugh
9719195002	MW-2S	Ground Water	1/15/08 10:19	1/15/08 14:20	Dan Buterbaugh

Workorder Comments:

This report was re-issued to include the method detection limit (MDL) for each analyte at the request of Dan Buterbaugh of ARM Group. SJB 07/16/09

Notes

-- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9719195 GW-8260B,8270C,PPL Metals

Lab ID: **9719195001** Date Collected: 1/15/2008 12:35 Matrix: Ground Water

Sample ID: **MW-1S** Date Received: 1/15/2008 14:20

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS											
Acetone	8.3J	ug/L		10.0	4.0	SW846 8260B			1/26/08 07:21	ECR	A
Benzene	ND	ug/L		1.0	0.40	SW846 8260B			1/26/08 07:21	ECR	A
Bromochloromethane	ND	ug/L		1.0	0.20	SW846 8260B			1/26/08 07:21	ECR	A
Bromodichloromethane	ND	ug/L		1.0	0.20	SW846 8260B			1/26/08 07:21	ECR	A
Bromoform	ND	ug/L		1.0	0.20	SW846 8260B			1/26/08 07:21	ECR	A
Bromomethane	ND	ug/L		1.0	0.20	SW846 8260B			1/26/08 07:21	ECR	A
2-Butanone	ND	ug/L		10.0	3.0	SW846 8260B			1/26/08 07:21	ECR	A
Carbon Disulfide	1.6	ug/L		1.0	0.10	SW846 8260B			1/26/08 07:21	ECR	A
Carbon Tetrachloride	ND	ug/L		1.0	0.20	SW846 8260B			1/26/08 07:21	ECR	A
Chlorobenzene	ND	ug/L		1.0	0.20	SW846 8260B			1/26/08 07:21	ECR	A
Chlorodibromomethane	ND	ug/L		1.0	0.20	SW846 8260B			1/26/08 07:21	ECR	A
Chloroethane	ND	ug/L		1.0	0.30	SW846 8260B			1/26/08 07:21	ECR	A
Chloroform	ND	ug/L		1.0	0.20	SW846 8260B			1/26/08 07:21	ECR	A
Chloromethane	ND	ug/L		1.0	0.20	SW846 8260B			1/26/08 07:21	ECR	A
1,2-Dibromo-3-chloropropane	ND	ug/L		7.0	2.4	SW846 8260B			1/26/08 07:21	ECR	A
1,2-Dibromoethane	ND	ug/L		1.0	0.30	SW846 8260B			1/26/08 07:21	ECR	A
1,1-Dichloroethane	ND	ug/L		1.0	0.10	SW846 8260B			1/26/08 07:21	ECR	A
1,2-Dichloroethane	ND	ug/L		1.0	0.20	SW846 8260B			1/26/08 07:21	ECR	A
1,1-Dichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			1/26/08 07:21	ECR	A
cis-1,2-Dichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			1/26/08 07:21	ECR	A
trans-1,2-Dichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			1/26/08 07:21	ECR	A
1,2-Dichloropropane	ND	ug/L		1.0	0.20	SW846 8260B			1/26/08 07:21	ECR	A
cis-1,3-Dichloropropene	ND	ug/L		1.0	0.20	SW846 8260B			1/26/08 07:21	ECR	A
trans-1,3-Dichloropropene	ND	ug/L		1.0	0.20	SW846 8260B			1/26/08 07:21	ECR	A
Ethylbenzene	ND	ug/L		1.0	0.30	SW846 8260B			1/26/08 07:21	ECR	A
2-Hexanone	ND	ug/L		5.0	0.70	SW846 8260B			1/26/08 07:21	ECR	A
4-Methyl-2-Pentanone(MIBK)	ND	ug/L		5.0	1.3	SW846 8260B			1/26/08 07:21	ECR	A
Methylene Chloride	ND	ug/L		1.0	0.10	SW846 8260B			1/26/08 07:21	ECR	A
Styrene	ND	ug/L		1.0	0.20	SW846 8260B			1/26/08 07:21	ECR	A
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0	0.20	SW846 8260B			1/26/08 07:21	ECR	A
Tetrachloroethene	ND	ug/L		1.0	0.40	SW846 8260B			1/26/08 07:21	ECR	A
Toluene	ND	ug/L		1.0	0.20	SW846 8260B			1/26/08 07:21	ECR	A
Total Xylenes	ND	ug/L		3.0	0.40	SW846 8260B			1/26/08 07:21	ECR	A
1,1,1-Trichloroethane	ND	ug/L		1.0	0.20	SW846 8260B			1/26/08 07:21	ECR	A
1,1,2-Trichloroethane	ND	ug/L		1.0	0.20	SW846 8260B			1/26/08 07:21	ECR	A
Trichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			1/26/08 07:21	ECR	A
Vinyl Chloride	ND	ug/L		1.0	0.20	SW846 8260B			1/26/08 07:21	ECR	A
o-Xylene	ND	ug/L		1.0	0.20	SW846 8260B			1/26/08 07:21	ECR	A
mp-Xylene	ND	ug/L		2.0	0.30	SW846 8260B			1/26/08 07:21	ECR	A

Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	92.9	%		62-133	SW846 8260B			1/26/08 07:21	ECR	A
4-Bromofluorobenzene (S)	98.1	%		79-114	SW846 8260B			1/26/08 07:21	ECR	A
Dibromofluoromethane (S)	92.1	%		78-116	SW846 8260B			1/26/08 07:21	ECR	A
Toluene-d8 (S)	110	%		76-127	SW846 8260B			1/26/08 07:21	ECR	A

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ANALYTICAL RESULTS

Workorder: 9719195 GW-8260B,8270C,PPL Metals

Lab ID: **9719195001** Date Collected: 1/15/2008 12:35 Matrix: Ground Water

Sample ID: **MW-1S** Date Received: 1/15/2008 14:20

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
METALS											
Antimony, Dissolved	ND	mg/L		0.03	0.004	SW846 6010C	1/17/08	JWK	1/17/08 15:43	JWK	C2
Arsenic, Dissolved	ND	mg/L		0.010	0.003	SW846 6010C	1/17/08	JWK	1/17/08 15:43	JWK	C2
Beryllium, Dissolved	ND	mg/L		0.004	0.0005	SW846 6010C	1/17/08	JWK	1/17/08 15:43	JWK	C2
Cadmium, Dissolved	ND	mg/L		0.002	0.0005	SW846 6010C	1/17/08	JWK	1/17/08 15:43	JWK	C2
Chromium, Dissolved	0.047	mg/L		0.005	0.001	SW846 6010C	1/17/08	JWK	1/17/08 15:43	JWK	C2
Copper, Dissolved	ND	mg/L		0.010	0.002	SW846 6010C	1/17/08	JWK	1/17/08 15:43	JWK	C2
Lead, Dissolved	ND	mg/L		0.008	0.002	SW846 6010C	1/17/08	JWK	1/17/08 15:43	JWK	C2
Mercury, Dissolved	ND	mg/L		0.00050	0.000030	SW846 7470A	1/17/08	CMD	1/18/08 11:51	CMD	C1
Nickel, Dissolved	0.003J	mg/L		0.02	0.0007	SW846 6010C	1/17/08	JWK	1/17/08 15:43	JWK	C2
Selenium, Dissolved	0.01J	mg/L		0.02	0.005	SW846 6010C	1/17/08	JWK	1/17/08 15:43	JWK	C2
Silver, Dissolved	ND	mg/L		0.004	0.0008	SW846 6010C	1/17/08	JWK	1/17/08 15:43	JWK	C2
Thallium, Dissolved	ND	mg/L		0.02	0.006	SW846 6010C	1/17/08	JWK	1/17/08 15:43	JWK	C2
Zinc, Dissolved	0.006J	mg/L		0.02	0.005	SW846 6010C	1/17/08	JWK	1/17/08 15:43	JWK	C2

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9719195 GW-8260B,8270C,PPL Metals

Lab ID: **9719195002** Date Collected: 1/15/2008 10:19 Matrix: Ground Water

Sample ID: **MW-2S** Date Received: 1/15/2008 14:20

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS											
Acetone	ND	ug/L		10.0	4.0	SW846 8260B			1/29/08 17:53	DXN	B
Benzene	0.74J	ug/L		1.0	0.40	SW846 8260B			1/29/08 17:53	DXN	B
Bromochloromethane	ND	ug/L		1.0	0.20	SW846 8260B			1/29/08 17:53	DXN	B
Bromodichloromethane	ND	ug/L		1.0	0.20	SW846 8260B			1/29/08 17:53	DXN	B
Bromoform	ND	ug/L		1.0	0.20	SW846 8260B			1/29/08 17:53	DXN	B
Bromomethane	ND	ug/L		1.0	0.20	SW846 8260B			1/29/08 17:53	DXN	B
2-Butanone	ND	ug/L		10.0	3.0	SW846 8260B			1/29/08 17:53	DXN	B
Carbon Disulfide	ND	ug/L		1.0	0.10	SW846 8260B			1/29/08 17:53	DXN	B
Carbon Tetrachloride	ND	ug/L		1.0	0.20	SW846 8260B			1/29/08 17:53	DXN	B
Chlorobenzene	ND	ug/L		1.0	0.20	SW846 8260B			1/29/08 17:53	DXN	B
Chlorodibromomethane	ND	ug/L		1.0	0.20	SW846 8260B			1/29/08 17:53	DXN	B
Chloroethane	ND	ug/L		1.0	0.30	SW846 8260B			1/29/08 17:53	DXN	B
Chloroform	ND	ug/L		1.0	0.20	SW846 8260B			1/29/08 17:53	DXN	B
Chloromethane	ND	ug/L		1.0	0.20	SW846 8260B			1/29/08 17:53	DXN	B
1,2-Dibromo-3-chloropropane	ND	ug/L		7.0	2.4	SW846 8260B			1/29/08 17:53	DXN	B
1,2-Dibromoethane	ND	ug/L		1.0	0.30	SW846 8260B			1/29/08 17:53	DXN	B
1,1-Dichloroethane	ND	ug/L		1.0	0.10	SW846 8260B			1/29/08 17:53	DXN	B
1,2-Dichloroethane	ND	ug/L		1.0	0.20	SW846 8260B			1/29/08 17:53	DXN	B
1,1-Dichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			1/29/08 17:53	DXN	B
cis-1,2-Dichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			1/29/08 17:53	DXN	B
trans-1,2-Dichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			1/29/08 17:53	DXN	B
1,2-Dichloropropane	ND	ug/L		1.0	0.20	SW846 8260B			1/29/08 17:53	DXN	B
cis-1,3-Dichloropropene	ND	ug/L		1.0	0.20	SW846 8260B			1/29/08 17:53	DXN	B
trans-1,3-Dichloropropene	ND	ug/L		1.0	0.20	SW846 8260B			1/29/08 17:53	DXN	B
Ethylbenzene	ND	ug/L		1.0	0.30	SW846 8260B			1/29/08 17:53	DXN	B
2-Hexanone	ND	ug/L		5.0	0.70	SW846 8260B			1/29/08 17:53	DXN	B
4-Methyl-2-Pentanone(MIBK)	ND	ug/L		5.0	1.3	SW846 8260B			1/29/08 17:53	DXN	B
Methylene Chloride	ND	ug/L		1.0	0.10	SW846 8260B			1/29/08 17:53	DXN	B
Styrene	ND	ug/L		1.0	0.20	SW846 8260B			1/29/08 17:53	DXN	B
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0	0.20	SW846 8260B			1/29/08 17:53	DXN	B
Tetrachloroethene	ND	ug/L		1.0	0.40	SW846 8260B			1/29/08 17:53	DXN	B
Toluene	ND	ug/L		1.0	0.20	SW846 8260B			1/29/08 17:53	DXN	B
Total Xylenes	ND	ug/L		3.0	0.40	SW846 8260B			1/29/08 17:53	DXN	B
1,1,1-Trichloroethane	ND	ug/L		1.0	0.20	SW846 8260B			1/29/08 17:53	DXN	B
1,1,2-Trichloroethane	ND	ug/L		1.0	0.20	SW846 8260B			1/29/08 17:53	DXN	B
Trichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			1/29/08 17:53	DXN	B
Vinyl Chloride	ND	ug/L		1.0	0.20	SW846 8260B			1/29/08 17:53	DXN	B
o-Xylene	ND	ug/L		1.0	0.20	SW846 8260B			1/29/08 17:53	DXN	B
mp-Xylene	ND	ug/L		2.0	0.30	SW846 8260B			1/29/08 17:53	DXN	B

Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	89.8	%		62-133	SW846 8260B			1/29/08 17:53	DXN	B
Dibromofluoromethane (S)	89.4	%		78-116	SW846 8260B			1/29/08 17:53	DXN	B
4-Bromofluorobenzene (S)	103	%		79-114	SW846 8260B			1/29/08 17:53	DXN	B
Toluene-d8 (S)	112	%		76-127	SW846 8260B			1/29/08 17:53	DXN	B

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ANALYTICAL RESULTS

Workorder: 9719195 GW-8260B,8270C,PPL Metals

Lab ID: **9719195002** Date Collected: 1/15/2008 10:19 Matrix: Ground Water

Sample ID: **MW-2S** Date Received: 1/15/2008 14:20

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES											
Acenaphthene	3.2	ug/L		2.9	0.68	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Acenaphthylene	ND	ug/L		2.9	0.77	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Anthracene	ND	ug/L		1.4	0.48	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Benzo(a)anthracene	ND	ug/L		1.4	0.39	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Benzo(a)pyrene	ND	ug/L		1.4	0.39	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Benzo(b)fluoranthene	ND	ug/L		1.4	0.39	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Benzo(g,h,i)perylene	ND	ug/L		1.4	0.39	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Benzo(k)fluoranthene	ND	ug/L		1.4	0.39	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
4-Bromophenyl-phenylether	ND	ug/L		2.9	0.68	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Butylbenzylphthalate	ND	ug/L		2.9	0.39	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Carbazole	ND	ug/L		2.9	0.39	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
4-Chloro-3-methylphenol	ND	ug/L		7.7	0.68	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
4-Chloroaniline	ND	ug/L		2.9	0.77	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Bis(2-Chloroethoxy)methane	ND	ug/L		2.9	0.97	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Bis(2-Chloroethyl)ether	ND	ug/L		2.9	0.97	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
bis(2-Chloroisopropyl)ether	ND	ug/L		3.9	1.9	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
2-Chloronaphthalene	ND	ug/L		2.9	0.77	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
2-Chlorophenol	ND	ug/L		7.7	0.97	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
4-Chlorophenyl-phenylether	ND	ug/L		2.9	0.68	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Chrysene	ND	ug/L		1.4	0.39	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
mp-Cresol	ND	ug/L		7.7	0.77	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
o-Cresol	ND	ug/L		7.7	0.87	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Di-n-Butylphthalate	0.60J	ug/L		2.9	0.39	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Di-n-Octylphthalate	ND	ug/L		7.7	0.39	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Dibenzo(a,h)anthracene	ND	ug/L		1.4	0.48	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Dibenzofuran	ND	ug/L		2.9	0.68	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
1,2-Dichlorobenzene	ND	ug/L		2.9	0.68	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
1,3-Dichlorobenzene	ND	ug/L		2.9	0.58	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
1,4-Dichlorobenzene	ND	ug/L		2.9	0.68	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
3,3-Dichlorobenzidine	ND	ug/L		7.7	1.9	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
2,4-Dichlorophenol	ND	ug/L		7.7	0.87	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Diethylphthalate	1.2J	ug/L		7.7	0.58	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
2,4-Dimethylphenol	ND	ug/L		7.7	0.77	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Dimethylphthalate	ND	ug/L		7.7	0.58	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
2,4-Dinitrophenol	ND	ug/L		7.7	2.9	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
2,4-Dinitrotoluene	ND	ug/L		2.9	0.58	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
2,6-Dinitrotoluene	ND	ug/L		7.7	0.68	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
bis(2-Ethylhexyl)phthalate	ND	ug/L		2.9	0.48	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Fluoranthene	ND	ug/L		1.4	0.39	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Fluorene	3.8	ug/L		1.9	0.68	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Hexachlorobenzene	ND	ug/L		2.9	0.77	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Hexachlorobutadiene	ND	ug/L		2.9	0.58	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Hexachlorocyclopentadiene	ND	ug/L		7.7	1.9	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Hexachloroethane	ND	ug/L		2.9	0.58	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Indeno(1,2,3-cd)pyrene	ND	ug/L		1.4	0.39	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1

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ANALYTICAL RESULTS

Workorder: 9719195 GW-8260B,8270C,PPL Metals

Lab ID: **9719195002** Date Collected: 1/15/2008 10:19 Matrix: Ground Water

Sample ID: **MW-2S** Date Received: 1/15/2008 14:20

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
Isophorone	ND	ug/L		2.9	0.97	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
2-Methyl-4,6-dinitrophenol	ND	ug/L		7.7	2.9	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
2-Methylnaphthalene	ND	ug/L		2.9	0.77	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Naphthalene	ND	ug/L		2.9	0.77	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
2-Nitroaniline	ND	ug/L		2.9	0.77	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
3-Nitroaniline	ND	ug/L		2.9	0.68	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
4-Nitroaniline	ND	ug/L		2.9	0.48	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Nitrobenzene	ND	ug/L		2.9	0.97	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
2-Nitrophenol	ND	ug/L		7.7	0.77	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
4-Nitrophenol	ND	ug/L		7.7	1.9	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
N-Nitroso-di-n-propylamine	ND	ug/L		3.9	1.9	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
N-Nitrosodiphenylamine	ND	ug/L		2.9	0.68	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Pentachlorophenol	ND	ug/L		7.7	2.9	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Phenanthrene	1.6	ug/L		1.4	0.48	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Phenol	ND	ug/L		7.7	0.58	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Pyrene	ND	ug/L		1.4	0.39	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
1,2,4-Trichlorobenzene	ND	ug/L		2.9	0.68	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
2,4,5-Trichlorophenol	ND	ug/L		8.7	3.9	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
2,4,6-Trichlorophenol	ND	ug/L		7.7	0.77	SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	86.9	%		40-125		SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
2-Fluorobiphenyl (S)	68.3	%		32-108		SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Phenol-d5 (S)	31.7	%		10-49		SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Terphenyl-d14 (S)	63	%		27-136		SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
Nitrobenzene-d5 (S)	76	%		31-110		SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
2-Fluorophenol (S)	47.7	%		20-70		SW846 8270D	1/18/08	MPP	1/19/08 01:09	DHF	C1
METALS											
Antimony, Dissolved	ND	mg/L		0.03	0.004	SW846 6010C	1/17/08	JWK	1/17/08 15:48	JWK	E2
Arsenic, Dissolved	0.007J	mg/L		0.010	0.003	SW846 6010C	1/17/08	JWK	1/17/08 15:48	JWK	E2
Beryllium, Dissolved	ND	mg/L		0.004	0.0005	SW846 6010C	1/17/08	JWK	1/17/08 15:48	JWK	E2
Cadmium, Dissolved	ND	mg/L		0.002	0.0005	SW846 6010C	1/17/08	JWK	1/17/08 15:48	JWK	E2
Chromium, Dissolved	ND	mg/L		0.005	0.001	SW846 6010C	1/17/08	JWK	1/17/08 15:48	JWK	E2
Copper, Dissolved	ND	mg/L		0.010	0.002	SW846 6010C	1/17/08	JWK	1/17/08 15:48	JWK	E2
Lead, Dissolved	0.007J	mg/L		0.008	0.002	SW846 6010C	1/17/08	JWK	1/17/08 15:48	JWK	E2
Mercury, Dissolved	ND	mg/L		0.00050	0.000030	SW846 7470A	1/17/08	CMD	1/18/08 11:54	CMD	E1
Nickel, Dissolved	ND	mg/L		0.02	0.0007	SW846 6010C	1/17/08	JWK	1/17/08 15:48	JWK	E2
Selenium, Dissolved	0.009J	mg/L		0.02	0.005	SW846 6010C	1/17/08	JWK	1/17/08 15:48	JWK	E2
Silver, Dissolved	0.001J	mg/L		0.004	0.0008	SW846 6010C	1/17/08	JWK	1/17/08 15:48	JWK	E2
Thallium, Dissolved	ND	mg/L		0.02	0.006	SW846 6010C	1/17/08	JWK	1/17/08 15:48	JWK	E2
Zinc, Dissolved	0.005J	mg/L		0.02	0.005	SW846 6010C	1/17/08	JWK	1/17/08 15:48	JWK	E2

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9719195 GW-8260B,8270C,PPL Metals

Lab ID:	**9719195002**	Date Collected:	1/15/2008 10:19	Matrix:	Ground Water
Sample ID:	**MW-2S**	Date Received:	1/15/2008 14:20		

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr

Anna G Milliken
Laboratory Manager

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page ___ of ___
Courier:
Tracking #:

9719195

Co. Name: ARM Group
Contact (Report to): Dan Buterbaugh
Address: Hershey PA
Phone:

Bill to (if different than Report to):
PO#:

Project Name/#: 07214/NWT York
ALSI Quote #:

TAT: [X] Normal-Standard TAT is 10-12 business days. [ ] Rush-Subject to ALSI approval and surcharges.
Date Required:
Approved By:

Email? [X] -Y d.buterbaugh@armgroup.net
Fax? [ ] -Y No.:

***Container Type	G	G	P												
***Container Size	40ml	1l	500												
*** Preservative	HCl	–	HNO3												

ANALYSES/METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	TCL VOC	TCL SVOC	Dissolved PPL Metals							
1	MW-1S		1/15/08	1235	G	GW	X		X							
2	MW-2S		1	1019	G	GW	X	X	X							
3																
4																
5																
6																
7																
8																

Enter Number of Containers Per Analysis

Receipt Information (completed by Sample Receiving)
Performed by: DGS
Cooler Temp: 4°C
Therm. ID: 51023855
No. of Coolers:
Notes:

Sample Description/Location	Custody seals Present?	(if present) Seals intact?	Received on ice?	COC/Labels complete/accurate?	Container in good condition?
1 MW-1S	Y	Y	Y	Y	Y
2 MW-2S	N	N	N	N	N

Correct containers? Y N
Correct sample volume? Y N
Correct preservation? Y N
Headspace/Volatiles? Y N
Circle appropriate Y or N.

SAMPLED BY (Please Print): Dan Buterbaugh
LOGGED BY (signature): [signature] DATE 1-15-08 TIME 1638
REVIEWED BY (signature): [signature] DATE 01/16/08 TIME 1237

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	[signature]	1/15/08	1420	2	[signature] AVI	1/15/08	1420
3				4			
5				6			
7				8			
9				10			

Data Deliverables: [X] Standard; [ ] CLP-like; [ ] NJ-Reduced; [ ] NJ-Full; [ ] new
EDDs Required? [ ] If yes, format type:
SDWA Forms? yes [ ] yes [ ] yes [ ] yes [ ]
State Samples Collected In? MD [ ] NJ [ ] NY [ ] PA [X]
Other:
Enter PWSID No.
DDD Criteria Required?

ALSI FIELD SERVICES: [ ] Pickup; [ ] Labor; [ ] Composite Sampling; [ ] Rental Equipment; [ ] Other:

* G=Grab; C=Composite
**Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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Certificate of Analysis

Project Name:	**YORK RDA - NORTHWEST**	Workorder:	**9724130**
Purchase Order:	**07214**	Workorder ID:	**GW-8260B,8270C,PPL Metals**

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

July 17, 2009

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Thursday, February 21, 2008

ALSI is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAP accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALSI.

NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Steve Fulton

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Laboratory Manager

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SAMPLE SUMMARY

Workorder: 9724130 GW-8260B,8270C,PPL Metals

Discard Date: 07/31/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9724130001	MW-1S	Ground Water	2/21/08 11:30	2/21/08 13:55	Dan Buterbaugh
9724130002	MW-2S	Ground Water	2/21/08 12:21	2/21/08 13:55	Dan Buterbaugh
9724130003	Trip Blank	Ground Water	2/21/08 13:55	2/21/08 13:55	Dan Buterbaugh

Workorder Comments:

This report was re-issued to include the method detection limit (MDL) for each analyte at the request of Dan Buterbaugh of ARM Group. SJB 07/16/09

Notes

-- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9724130 GW-8260B,8270C,PPL Metals

Lab ID: **9724130001** Date Collected: 2/21/2008 11:30 Matrix: Ground Water

Sample ID: **MW-1S** Date Received: 2/21/2008 13:55

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS											
Acetone	7.0J	ug/L		10.0	4.0	SW846 8260B			3/5/08 10:10	JAH	A
Benzene	ND	ug/L		1.0	0.40	SW846 8260B			3/5/08 10:10	JAH	A
Bromochloromethane	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:10	JAH	A
Bromodichloromethane	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:10	JAH	A
Bromoform	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:10	JAH	A
Bromomethane	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:10	JAH	A
2-Butanone	ND	ug/L		10.0	3.0	SW846 8260B			3/5/08 10:10	JAH	A
Carbon Disulfide	0.27J	ug/L		1.0	0.10	SW846 8260B			3/5/08 10:10	JAH	A
Carbon Tetrachloride	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:10	JAH	A
Chlorobenzene	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:10	JAH	A
Chlorodibromomethane	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:10	JAH	A
Chloroethane	ND	ug/L		1.0	0.30	SW846 8260B			3/5/08 10:10	JAH	A
Chloroform	0.23J	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:10	JAH	A
Chloromethane	0.34J	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:10	JAH	A
1,2-Dibromo-3-chloropropane	ND	ug/L		7.0	2.4	SW846 8260B			3/5/08 10:10	JAH	A
1,2-Dibromoethane	ND	ug/L		1.0	0.30	SW846 8260B			3/5/08 10:10	JAH	A
1,1-Dichloroethane	ND	ug/L		1.0	0.10	SW846 8260B			3/5/08 10:10	JAH	A
1,2-Dichloroethane	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:10	JAH	A
1,1-Dichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:10	JAH	A
cis-1,2-Dichloroethene	0.98J	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:10	JAH	A
trans-1,2-Dichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:10	JAH	A
1,2-Dichloropropane	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:10	JAH	A
cis-1,3-Dichloropropene	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:10	JAH	A
trans-1,3-Dichloropropene	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:10	JAH	A
Ethylbenzene	ND	ug/L		1.0	0.30	SW846 8260B			3/5/08 10:10	JAH	A
2-Hexanone	ND	ug/L		5.0	0.70	SW846 8260B			3/5/08 10:10	JAH	A
4-Methyl-2-Pentanone(MIBK)	ND	ug/L		5.0	1.3	SW846 8260B			3/5/08 10:10	JAH	A
Methylene Chloride	1.2	ug/L		1.0	0.10	SW846 8260B			3/5/08 10:10	JAH	A
Styrene	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:10	JAH	A
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:10	JAH	A
Tetrachloroethene	0.62J	ug/L		1.0	0.40	SW846 8260B			3/5/08 10:10	JAH	A
Toluene	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:10	JAH	A
Total Xylenes	ND	ug/L		3.0	0.40	SW846 8260B			3/5/08 10:10	JAH	A
1,1,1-Trichloroethane	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:10	JAH	A
1,1,2-Trichloroethane	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:10	JAH	A
Trichloroethene	0.30J	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:10	JAH	A
Vinyl Chloride	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:10	JAH	A
o-Xylene	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:10	JAH	A
mp-Xylene	ND	ug/L		2.0	0.30	SW846 8260B			3/5/08 10:10	JAH	A

Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	130	%		62-133	SW846 8260B			3/5/08 10:10	JAH	A
4-Bromofluorobenzene (S)	103	%		79-114	SW846 8260B			3/5/08 10:10	JAH	A
Dibromofluoromethane (S)	113	%		78-116	SW846 8260B			3/5/08 10:10	JAH	A
Toluene-d8 (S)	116	%		76-127	SW846 8260B			3/5/08 10:10	JAH	A

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ANALYTICAL RESULTS

Workorder: 9724130 GW-8260B,8270C,PPL Metals

Lab ID: **9724130001** Date Collected: 2/21/2008 11:30 Matrix: Ground Water

Sample ID: **MW-1S** Date Received: 2/21/2008 13:55

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES											
Acenaphthene	ND	ug/L		2.9	0.67	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Acenaphthylene	ND	ug/L		2.9	0.76	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Anthracene	ND	ug/L		1.4	0.48	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Benzo(a)anthracene	ND	ug/L		1.4	0.38	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Benzo(a)pyrene	ND	ug/L		1.4	0.38	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Benzo(b)fluoranthene	ND	ug/L		1.4	0.38	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Benzo(g,h,i)perylene	ND	ug/L		1.4	0.38	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Benzo(k)fluoranthene	ND	ug/L		1.4	0.38	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
4-Bromophenyl-phenylether	ND	ug/L		2.9	0.67	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Butylbenzylphthalate	ND	ug/L		2.9	0.38	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Carbazole	ND	ug/L		2.9	0.38	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
4-Chloro-3-methylphenol	ND	ug/L		7.6	0.67	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
4-Chloroaniline	ND	ug/L		2.9	0.76	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Bis(2-Chloroethoxy)methane	ND	ug/L		2.9	0.95	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Bis(2-Chloroethyl)ether	ND	ug/L		2.9	0.95	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
bis(2-Chloroisopropyl)ether	ND	ug/L		3.8	1.9	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
2-Chloronaphthalene	ND	ug/L		2.9	0.76	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
2-Chlorophenol	ND	ug/L		7.6	0.95	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
4-Chlorophenyl-phenylether	ND	ug/L		2.9	0.67	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Chrysene	ND	ug/L		1.4	0.38	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
mp-Cresol	ND	ug/L		7.6	0.76	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
o-Cresol	ND	ug/L		7.6	0.86	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Di-n-Butylphthalate	ND	ug/L		2.9	0.38	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Di-n-Octylphthalate	ND	ug/L		7.6	0.38	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Dibenzo(a,h)anthracene	ND	ug/L		1.4	0.48	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Dibenzofuran	ND	ug/L		2.9	0.67	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
1,2-Dichlorobenzene	ND	ug/L		2.9	0.67	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
1,3-Dichlorobenzene	ND	ug/L		2.9	0.57	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
1,4-Dichlorobenzene	ND	ug/L		2.9	0.67	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
3,3-Dichlorobenzidine	ND	ug/L		7.6	1.9	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
2,4-Dichlorophenol	ND	ug/L		7.6	0.86	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Diethylphthalate	ND	ug/L		7.6	0.57	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
2,4-Dimethylphenol	ND	ug/L		7.6	0.76	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Dimethylphthalate	ND	ug/L		7.6	0.57	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
2,4-Dinitrophenol	ND	ug/L		7.6	2.9	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
2,4-Dinitrotoluene	ND	ug/L		2.9	0.57	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
2,6-Dinitrotoluene	ND	ug/L		7.6	0.67	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
bis(2-Ethylhexyl)phthalate	0.92J	ug/L		2.9	0.48	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Fluoranthene	ND	ug/L		1.4	0.38	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Fluorene	ND	ug/L		1.9	0.67	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Hexachlorobenzene	ND	ug/L		2.9	0.76	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Hexachlorobutadiene	ND	ug/L		2.9	0.57	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Hexachlorocyclopentadiene	ND	ug/L		7.6	1.9	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Hexachloroethane	ND	ug/L		2.9	0.57	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Indeno(1,2,3-cd)pyrene	ND	ug/L		1.4	0.38	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1

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ANALYTICAL RESULTS

Workorder: 9724130 GW-8260B,8270C,PPL Metals

Lab ID: **9724130001** Date Collected: 2/21/2008 11:30 Matrix: Ground Water

Sample ID: **MW-1S** Date Received: 2/21/2008 13:55

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
Isophorone	ND	ug/L		2.9	0.95	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
2-Methyl-4,6-dinitrophenol	ND	ug/L		7.6	2.9	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
2-Methylnaphthalene	ND	ug/L		2.9	0.76	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Naphthalene	ND	ug/L		2.9	0.76	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
2-Nitroaniline	ND	ug/L		2.9	0.76	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
3-Nitroaniline	ND	ug/L		2.9	0.67	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
4-Nitroaniline	ND	ug/L		2.9	0.48	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Nitrobenzene	ND	ug/L		2.9	0.95	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
2-Nitrophenol	ND	ug/L		7.6	0.76	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
4-Nitrophenol	ND	ug/L		7.6	1.9	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
N-Nitroso-di-n-propylamine	ND	ug/L		3.8	1.9	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
N-Nitrosodiphenylamine	ND	ug/L		2.9	0.67	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Pentachlorophenol	ND	ug/L		7.6	2.9	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Phenanthrene	ND	ug/L		1.4	0.48	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Phenol	ND	ug/L		7.6	0.57	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Pyrene	ND	ug/L		1.4	0.38	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
1,2,4-Trichlorobenzene	ND	ug/L		2.9	0.67	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
2,4,5-Trichlorophenol	ND	ug/L		8.6	3.8	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
2,4,6-Trichlorophenol	ND	ug/L		7.6	0.76	SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	105	%		40-125		SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Phenol-d5 (S)	29.3	%		10-49		SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Terphenyl-d14 (S)	78.1	%		27-136		SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
Nitrobenzene-d5 (S)	78.1	%		31-110		SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
2-Fluorobiphenyl (S)	89.7	%		32-108		SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
2-Fluorophenol (S)	42.8	%		20-70		SW846 8270D	2/25/08	JWY	2/28/08 10:29	DHF	C1
METALS											
Antimony, Dissolved	ND	mg/L		0.03	0.004	SW846 6010C	2/27/08	JWK	2/27/08 23:33	JWK	E1
Arsenic, Dissolved	0.003J	mg/L		0.010	0.003	SW846 6010C	2/27/08	JWK	2/27/08 23:33	JWK	E1
Beryllium, Dissolved	ND	mg/L		0.004	0.0005	SW846 6010C	2/27/08	JWK	2/27/08 23:33	JWK	E1
Cadmium, Dissolved	ND	mg/L		0.002	0.0005	SW846 6010C	2/27/08	JWK	2/27/08 23:33	JWK	E1
Chromium, Dissolved	0.007	mg/L		0.005	0.001	SW846 6010C	2/27/08	JWK	2/27/08 23:33	JWK	E1
Copper, Dissolved	0.012	mg/L		0.010	0.002	SW846 6010C	2/27/08	JWK	3/5/08 13:15	JWK	E1
Lead, Dissolved	ND	mg/L		0.008	0.002	SW846 6010C	2/27/08	JWK	2/27/08 23:33	JWK	E1
Mercury, Dissolved	ND	mg/L		0.00050	0.000030	SW846 7470A	2/29/08	CMD	2/29/08 09:08	CMD	E2
Nickel, Dissolved	0.002J	mg/L		0.02	0.0007	SW846 6010C	2/27/08	JWK	2/27/08 23:33	JWK	E1
Selenium, Dissolved	0.01J	mg/L		0.02	0.005	SW846 6010C	2/27/08	JWK	2/27/08 23:33	JWK	E1
Silver, Dissolved	ND	mg/L		0.004	0.0008	SW846 6010C	2/27/08	JWK	2/27/08 23:33	JWK	E1
Thallium, Dissolved	ND	mg/L		0.02	0.006	SW846 6010C	2/27/08	JWK	2/27/08 23:33	JWK	E1
Zinc, Dissolved	0.39	mg/L		0.02	0.005	SW846 6010C	2/27/08	JWK	2/27/08 23:33	JWK	E1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9724130 GW-8260B,8270C,PPL Metals

Lab ID:	**9724130001**	Date Collected:	2/21/2008 11:30	Matrix:	Ground Water
Sample ID:	**MW-1S**	Date Received:	2/21/2008 13:55		

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9724130 GW-8260B,8270C,PPL Metals

Lab ID: **9724130002** Date Collected: 2/21/2008 12:21 Matrix: Ground Water

Sample ID: **MW-2S** Date Received: 2/21/2008 13:55

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS											
Acetone	7.0J	ug/L		10.0	4.0	SW846 8260B			3/5/08 10:46	JAH	A
Benzene	ND	ug/L		1.0	0.40	SW846 8260B			3/5/08 10:46	JAH	A
Bromochloromethane	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:46	JAH	A
Bromodichloromethane	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:46	JAH	A
Bromoform	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:46	JAH	A
Bromomethane	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:46	JAH	A
2-Butanone	ND	ug/L		10.0	3.0	SW846 8260B			3/5/08 10:46	JAH	A
Carbon Disulfide	ND	ug/L		1.0	0.10	SW846 8260B			3/5/08 10:46	JAH	A
Carbon Tetrachloride	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:46	JAH	A
Chlorobenzene	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:46	JAH	A
Chlorodibromomethane	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:46	JAH	A
Chloroethane	ND	ug/L		1.0	0.30	SW846 8260B			3/5/08 10:46	JAH	A
Chloroform	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:46	JAH	A
Chloromethane	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:46	JAH	A
1,2-Dibromo-3-chloropropane	ND	ug/L		7.0	2.4	SW846 8260B			3/5/08 10:46	JAH	A
1,2-Dibromoethane	ND	ug/L		1.0	0.30	SW846 8260B			3/5/08 10:46	JAH	A
1,1-Dichloroethane	ND	ug/L		1.0	0.10	SW846 8260B			3/5/08 10:46	JAH	A
1,2-Dichloroethane	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:46	JAH	A
1,1-Dichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:46	JAH	A
cis-1,2-Dichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:46	JAH	A
trans-1,2-Dichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:46	JAH	A
1,2-Dichloropropane	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:46	JAH	A
cis-1,3-Dichloropropene	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:46	JAH	A
trans-1,3-Dichloropropene	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:46	JAH	A
Ethylbenzene	ND	ug/L		1.0	0.30	SW846 8260B			3/5/08 10:46	JAH	A
2-Hexanone	ND	ug/L		5.0	0.70	SW846 8260B			3/5/08 10:46	JAH	A
4-Methyl-2-Pentanone(MIBK)	ND	ug/L		5.0	1.3	SW846 8260B			3/5/08 10:46	JAH	A
Methylene Chloride	1.0	ug/L		1.0	0.10	SW846 8260B			3/5/08 10:46	JAH	A
Styrene	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:46	JAH	A
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:46	JAH	A
Tetrachloroethene	ND	ug/L		1.0	0.40	SW846 8260B			3/5/08 10:46	JAH	A
Toluene	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:46	JAH	A
Total Xylenes	ND	ug/L		3.0	0.40	SW846 8260B			3/5/08 10:46	JAH	A
1,1,1-Trichloroethane	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:46	JAH	A
1,1,2-Trichloroethane	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:46	JAH	A
Trichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:46	JAH	A
Vinyl Chloride	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:46	JAH	A
o-Xylene	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 10:46	JAH	A
mp-Xylene	ND	ug/L		2.0	0.30	SW846 8260B			3/5/08 10:46	JAH	A

Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	133	%		62-133	SW846 8260B			3/5/08 10:46	JAH	A
Dibromofluoromethane (S)	116	%		78-116	SW846 8260B			3/5/08 10:46	JAH	A
Toluene-d8 (S)	121	%		76-127	SW846 8260B			3/5/08 10:46	JAH	A
4-Bromofluorobenzene (S)	99.2	%		79-114	SW846 8260B			3/5/08 10:46	JAH	A

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ANALYTICAL RESULTS

Workorder: 9724130 GW-8260B,8270C,PPL Metals

Lab ID: **9724130002** Date Collected: 2/21/2008 12:21 Matrix: Ground Water

Sample ID: **MW-2S** Date Received: 2/21/2008 13:55

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES											
Acenaphthene	1.7J	ug/L		2.8	0.66	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Acenaphthylene	ND	ug/L		2.8	0.75	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Anthracene	ND	ug/L		1.4	0.47	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Benzo(a)anthracene	ND	ug/L		1.4	0.38	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Benzo(a)pyrene	ND	ug/L		1.4	0.38	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Benzo(b)fluoranthene	ND	ug/L		1.4	0.38	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Benzo(g,h,i)perylene	ND	ug/L		1.4	0.38	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Benzo(k)fluoranthene	ND	ug/L		1.4	0.38	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
4-Bromophenyl-phenylether	ND	ug/L		2.8	0.66	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Butylbenzylphthalate	ND	ug/L		2.8	0.38	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Carbazole	ND	ug/L		2.8	0.38	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
4-Chloro-3-methylphenol	ND	ug/L		7.5	0.66	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
4-Chloroaniline	ND	ug/L		2.8	0.75	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Bis(2-Chloroethoxy)methane	ND	ug/L		2.8	0.94	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Bis(2-Chloroethyl)ether	ND	ug/L		2.8	0.94	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
bis(2-Chloroisopropyl)ether	ND	ug/L		3.8	1.9	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
2-Chloronaphthalene	ND	ug/L		2.8	0.75	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
2-Chlorophenol	ND	ug/L		7.5	0.94	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
4-Chlorophenyl-phenylether	ND	ug/L		2.8	0.66	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Chrysene	ND	ug/L		1.4	0.38	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
mp-Cresol	ND	ug/L		7.5	0.75	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
o-Cresol	ND	ug/L		7.5	0.85	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Di-n-Butylphthalate	ND	ug/L		2.8	0.38	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Di-n-Octylphthalate	ND	ug/L		7.5	0.38	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Dibenzo(a,h)anthracene	ND	ug/L		1.4	0.47	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Dibenzofuran	ND	ug/L		2.8	0.66	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
1,2-Dichlorobenzene	ND	ug/L		2.8	0.66	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
1,3-Dichlorobenzene	ND	ug/L		2.8	0.57	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
1,4-Dichlorobenzene	ND	ug/L		2.8	0.66	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
3,3-Dichlorobenzidine	ND	ug/L		7.5	1.9	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
2,4-Dichlorophenol	ND	ug/L		7.5	0.85	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Diethylphthalate	ND	ug/L		7.5	0.57	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
2,4-Dimethylphenol	ND	ug/L		7.5	0.75	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Dimethylphthalate	ND	ug/L		7.5	0.57	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
2,4-Dinitrophenol	ND	ug/L		7.5	2.8	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
2,4-Dinitrotoluene	ND	ug/L		2.8	0.57	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
2,6-Dinitrotoluene	ND	ug/L		7.5	0.66	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
bis(2-Ethylhexyl)phthalate	ND	ug/L		2.8	0.47	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Fluoranthene	ND	ug/L		1.4	0.38	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Fluorene	2.0	ug/L		1.9	0.66	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Hexachlorobenzene	ND	ug/L		2.8	0.75	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Hexachlorobutadiene	ND	ug/L		2.8	0.57	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Hexachlorocyclopentadiene	ND	ug/L		7.5	1.9	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Hexachloroethane	ND	ug/L		2.8	0.57	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Indeno(1,2,3-cd)pyrene	ND	ug/L		1.4	0.38	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1

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ANALYTICAL RESULTS

Workorder: 9724130 GW-8260B,8270C,PPL Metals

Lab ID: **9724130002** Date Collected: 2/21/2008 12:21 Matrix: Ground Water

Sample ID: **MW-2S** Date Received: 2/21/2008 13:55

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
Isophorone	ND	ug/L		2.8	0.94	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
2-Methyl-4,6-dinitrophenol	ND	ug/L		7.5	2.8	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
2-Methylnaphthalene	ND	ug/L		2.8	0.75	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Naphthalene	0.81J	ug/L		2.8	0.75	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
2-Nitroaniline	ND	ug/L		2.8	0.75	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
3-Nitroaniline	ND	ug/L		2.8	0.66	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
4-Nitroaniline	ND	ug/L		2.8	0.47	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Nitrobenzene	ND	ug/L		2.8	0.94	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
2-Nitrophenol	ND	ug/L		7.5	0.75	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
4-Nitrophenol	ND	ug/L		7.5	1.9	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
N-Nitroso-di-n-propylamine	ND	ug/L		3.8	1.9	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
N-Nitrosodiphenylamine	ND	ug/L		2.8	0.66	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Pentachlorophenol	ND	ug/L		7.5	2.8	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Phenanthrene	0.58J	ug/L		1.4	0.47	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Phenol	ND	ug/L		7.5	0.57	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Pyrene	ND	ug/L		1.4	0.38	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
1,2,4-Trichlorobenzene	ND	ug/L		2.8	0.66	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
2,4,5-Trichlorophenol	ND	ug/L		8.5	3.8	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
2,4,6-Trichlorophenol	ND	ug/L		7.5	0.75	SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	109	%		40-125		SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Terphenyl-d14 (S)	73.2	%		27-136		SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Phenol-d5 (S)	26.7	%		10-49		SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
2-Fluorobiphenyl (S)	80.4	%		32-108		SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
Nitrobenzene-d5 (S)	80.2	%		31-110		SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
2-Fluorophenol (S)	40.3	%		20-70		SW846 8270D	2/25/08	JWY	2/28/08 11:17	DHF	C1
METALS											
Antimony, Dissolved	ND	mg/L		0.03	0.004	SW846 6010C	2/27/08	JWK	2/27/08 23:38	JWK	E1
Arsenic, Dissolved	0.007J	mg/L		0.010	0.003	SW846 6010C	2/27/08	JWK	2/27/08 23:38	JWK	E1
Beryllium, Dissolved	ND	mg/L		0.004	0.0005	SW846 6010C	2/27/08	JWK	2/27/08 23:38	JWK	E1
Cadmium, Dissolved	ND	mg/L		0.002	0.0005	SW846 6010C	2/27/08	JWK	2/27/08 23:38	JWK	E1
Chromium, Dissolved	ND	mg/L		0.005	0.001	SW846 6010C	2/27/08	JWK	2/27/08 23:38	JWK	E1
Copper, Dissolved	ND	mg/L		0.010	0.002	SW846 6010C	2/27/08	JWK	2/27/08 23:38	JWK	E1
Lead, Dissolved	ND	mg/L		0.008	0.002	SW846 6010C	2/27/08	JWK	2/27/08 23:38	JWK	E1
Mercury, Dissolved	ND	mg/L		0.00050	0.000030	SW846 7470A	2/29/08	CMD	2/29/08 09:11	CMD	E2
Nickel, Dissolved	ND	mg/L		0.02	0.0007	SW846 6010C	2/27/08	JWK	2/27/08 23:38	JWK	E1
Selenium, Dissolved	0.007J	mg/L		0.02	0.005	SW846 6010C	2/27/08	JWK	2/27/08 23:38	JWK	E1
Silver, Dissolved	ND	mg/L		0.004	0.0008	SW846 6010C	2/27/08	JWK	2/27/08 23:38	JWK	E1
Thallium, Dissolved	ND	mg/L		0.02	0.006	SW846 6010C	2/27/08	JWK	2/27/08 23:38	JWK	E1
Zinc, Dissolved	ND	mg/L		0.02	0.005	SW846 6010C	2/27/08	JWK	2/27/08 23:38	JWK	E1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9724130 GW-8260B,8270C,PPL Metals

Lab ID:	**9724130002**	Date Collected:	2/21/2008 12:21	Matrix:	Ground Water
Sample ID:	**MW-2S**	Date Received:	2/21/2008 13:55		

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9724130 GW-8260B,8270C,PPL Metals

Lab ID: **9724130003** Date Collected: 2/21/2008 13:55 Matrix: Ground Water

Sample ID: **Trip Blank** Date Received: 2/21/2008 13:55

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS											
Acetone	ND	ug/L		10.0	4.0	SW846 8260B			3/5/08 09:39	JAH	A
Benzene	ND	ug/L		1.0	0.40	SW846 8260B			3/5/08 09:39	JAH	A
Bromochloromethane	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 09:39	JAH	A
Bromodichloromethane	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 09:39	JAH	A
Bromoform	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 09:39	JAH	A
Bromomethane	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 09:39	JAH	A
2-Butanone	ND	ug/L		10.0	3.0	SW846 8260B			3/5/08 09:39	JAH	A
Carbon Disulfide	ND	ug/L		1.0	0.10	SW846 8260B			3/5/08 09:39	JAH	A
Carbon Tetrachloride	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 09:39	JAH	A
Chlorobenzene	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 09:39	JAH	A
Chlorodibromomethane	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 09:39	JAH	A
Chloroethane	ND	ug/L		1.0	0.30	SW846 8260B			3/5/08 09:39	JAH	A
Chloroform	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 09:39	JAH	A
Chloromethane	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 09:39	JAH	A
1,2-Dibromo-3-chloropropane	ND	ug/L		7.0	2.4	SW846 8260B			3/5/08 09:39	JAH	A
1,2-Dibromoethane	ND	ug/L		1.0	0.30	SW846 8260B			3/5/08 09:39	JAH	A
1,1-Dichloroethane	ND	ug/L		1.0	0.10	SW846 8260B			3/5/08 09:39	JAH	A
1,2-Dichloroethane	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 09:39	JAH	A
1,1-Dichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 09:39	JAH	A
cis-1,2-Dichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 09:39	JAH	A
trans-1,2-Dichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 09:39	JAH	A
1,2-Dichloropropane	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 09:39	JAH	A
cis-1,3-Dichloropropene	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 09:39	JAH	A
trans-1,3-Dichloropropene	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 09:39	JAH	A
Ethylbenzene	ND	ug/L		1.0	0.30	SW846 8260B			3/5/08 09:39	JAH	A
2-Hexanone	ND	ug/L		5.0	0.70	SW846 8260B			3/5/08 09:39	JAH	A
4-Methyl-2-Pentanone(MIBK)	ND	ug/L		5.0	1.3	SW846 8260B			3/5/08 09:39	JAH	A
Methylene Chloride	ND	ug/L		1.0	0.10	SW846 8260B			3/5/08 09:39	JAH	A
Styrene	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 09:39	JAH	A
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 09:39	JAH	A
Tetrachloroethene	ND	ug/L		1.0	0.40	SW846 8260B			3/5/08 09:39	JAH	A
Toluene	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 09:39	JAH	A
Total Xylenes	ND	ug/L		3.0	0.40	SW846 8260B			3/5/08 09:39	JAH	A
1,1,1-Trichloroethane	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 09:39	JAH	A
1,1,2-Trichloroethane	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 09:39	JAH	A
Trichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 09:39	JAH	A
Vinyl Chloride	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 09:39	JAH	A
o-Xylene	ND	ug/L		1.0	0.20	SW846 8260B			3/5/08 09:39	JAH	A
mp-Xylene	ND	ug/L		2.0	0.30	SW846 8260B			3/5/08 09:39	JAH	A

Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	97.5	%		62-133	SW846 8260B			3/5/08 09:39	JAH	A
4-Bromofluorobenzene (S)	92.7	%		79-114	SW846 8260B			3/5/08 09:39	JAH	A
Dibromofluoromethane (S)	97.7	%		78-116	SW846 8260B			3/5/08 09:39	JAH	A
Toluene-d8 (S)	101	%		76-127	SW846 8260B			3/5/08 09:39	JAH	A

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ANALYTICAL RESULTS

Workorder: 9724130 GW-8260B,8270C,PPL Metals

Lab ID:	**9724130003**	Date Collected:	2/21/2008 13:55	Matrix:	Ground Water
Sample ID:	**Trip Blank**	Date Received:	2/21/2008 13:55		

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr

Sample Comments:

Anna G Milliken
Laboratory Manager

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page ___ of ___
Courier:
Tracking #:

* 9 7 2 4 1 3 0 *

Co. Name: ARM Group
Contact (Report to): Dan Buterbaugh
Phone: 533-8600 x 124
Address: Hershey PA

Bill to (if different than Report to):
PO#:

Project Name/#: 07214/NWT York
ALSI Quote #:

TAT: [X] Normal-Standard TAT is 10-12 business days. [ ] Rush-Subject to ALSI approval and surcharges.
Date Required:
Approved By:

Email? [X] -Y dbuterbaugh@armgroup.net
Fax? [ ] -Y No.

***Container Type																
***Container Size																
***Preservative																

ANALYSES/METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	TCL VOC	TCL SVOC	Diss. PP Metals							
1	MW-1S		2/21/08	1130	G	GW	2	2	1							
2	MW-2S		2/21/08	1221	G	GW	2	2	1							
3	Trip Blank		2/20/08				2									
4																
5																
6																
7																
8																

Enter Number of Containers Per Analysis

Receipt Information (completed by Sample Receiving)
Performed by: DGS
Cooler Temp: 5°C
Therm. ID: 51023159
No. of Coolers:
Notes:

Sample	Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Circle appropriate Y or N.
1	Y	Y	Y	Y	N
2	Y	Y	Y	Y	N
3	Y	Y	Y	Y	N

Sample	Custody seals Present?	(if present) Seals intact?	Received on ice?	COC/Labels complete/accurate?	Container in good condition?
1	Y	Y	Y	Y	Y
2	Y	Y	Y	Y	Y
3	Y	Y	Y	Y	Y

SAMPLED BY (Please Print): Dan Buterbaugh

LOGGED BY (signature): [signature] DATE: 2/21/08 TIME: 1712
REVIEWED BY (signature): [signature] DATE: 2/22/08 TIME: 1103

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	[signature]	2/21/08	1355	2	[signature] ALSI	2/21/08	1355
3				4			
5				6			
7				8			
9				10			

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] ___
EDDs Required? [ ] If yes, format type:
SDWA Forms? yes [ ] yes [ ] yes [ ] yes [ ]
State Samples Collected In? MD [ ] NJ [ ] NY [ ] PA [ ]
Other
DOD Criteria Required?

ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite **Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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Certificate of Analysis

Project Name:	**YORK RDA - NORTHWEST**	Workorder:	**9754145**
Purchase Order:	**07214**	Workorder ID:	**GW-TCL SVOC (09/10/08)**

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

September 23, 2008

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Thursday, September 11, 2008

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAC accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALSI.

NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Laboratory Manager

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SAMPLE SUMMARY

Workorder: 9754145 GW-TCL SVOC (09/10/08) Discard Date: 10/07/2008

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9754145001	MW-1S	Ground Water	9/10/08 13:23	9/11/08 11:55	Joe Janick

Workorder Comments:

Notes

-- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9754145 GW-TCL SVOC (09/10/08)

Lab ID: **9754145001** Date Collected: 9/10/2008 13:23 Matrix: Ground Water

Sample ID: **MW-1S** Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES										
Acenaphthene	ND		ug/L	2.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Acenaphthylene	ND		ug/L	2.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Anthracene	ND		ug/L	1.4	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Benzo(a)anthracene	ND		ug/L	1.4	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Benzo(a)pyrene	ND		ug/L	1.4	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Benzo(b)fluoranthene	ND		ug/L	1.4	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Benzo(g,h,i)perylene	ND		ug/L	1.4	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Benzo(k)fluoranthene	ND		ug/L	1.4	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
4-Bromophenyl-phenylether	ND		ug/L	2.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Butylbenzylphthalate	ND		ug/L	2.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Carbazole	ND		ug/L	2.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
4-Chloro-3-methylphenol	ND		ug/L	7.7	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
4-Chloroaniline	ND		ug/L	2.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Bis(2-Chloroethoxy)methane	ND		ug/L	2.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Bis(2-Chloroethyl)ether	ND		ug/L	2.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
bis(2-Chloroisopropyl)ether	ND		ug/L	3.8	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
2-Chloronaphthalene	ND		ug/L	2.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
2-Chlorophenol	ND		ug/L	7.7	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
4-Chlorophenyl-phenylether	ND		ug/L	2.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Chrysene	ND		ug/L	1.4	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
mp-Cresol	ND		ug/L	7.7	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
o-Cresol	ND		ug/L	7.7	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Di-n-Butylphthalate	ND		ug/L	2.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Di-n-Octylphthalate	ND		ug/L	7.7	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Dibenzo(a,h)anthracene	ND		ug/L	1.4	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Dibenzofuran	ND		ug/L	2.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
1,2-Dichlorobenzene	ND		ug/L	2.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
1,3-Dichlorobenzene	ND		ug/L	2.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
1,4-Dichlorobenzene	ND		ug/L	2.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
3,3-Dichlorobenzidine	ND		ug/L	7.7	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
2,4-Dichlorophenol	ND		ug/L	7.7	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Diethylphthalate	ND		ug/L	7.7	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
2,4-Dimethylphenol	ND		ug/L	7.7	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Dimethylphthalate	ND		ug/L	7.7	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
2,4-Dinitrophenol	ND		ug/L	7.7	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
2,4-Dinitrotoluene	ND		ug/L	2.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
2,6-Dinitrotoluene	ND		ug/L	7.7	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
bis(2-Ethylhexyl)phthalate	ND		ug/L	2.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Fluoranthene	ND		ug/L	1.4	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Fluorene	ND		ug/L	1.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Hexachlorobenzene	ND		ug/L	2.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Hexachlorobutadiene	ND		ug/L	2.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Hexachlorocyclopentadiene	ND		ug/L	7.7	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Hexachloroethane	ND		ug/L	2.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.4	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Isophorone	ND		ug/L	2.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1

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ANALYTICAL RESULTS

Workorder: 9754145 GW-TCL SVOC (09/10/08)

Lab ID: **9754145001** Date Collected: 9/10/2008 13:23 Matrix: Ground Water

Sample ID: **MW-1S** Date Received: 9/11/2008 11:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
2-Methyl-4,6-dinitrophenol	ND		ug/L	7.7	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
2-Methylnaphthalene	ND		ug/L	2.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Naphthalene	ND		ug/L	2.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
2-Nitroaniline	ND		ug/L	2.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
3-Nitroaniline	ND		ug/L	2.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
4-Nitroaniline	ND		ug/L	2.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Nitrobenzene	ND		ug/L	2.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
2-Nitrophenol	ND		ug/L	7.7	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
4-Nitrophenol	ND		ug/L	7.7	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
N-Nitroso-di-n-propylamine	ND		ug/L	3.8	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
N-Nitrosodiphenylamine	ND		ug/L	2.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Pentachlorophenol	ND		ug/L	7.7	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Phenanthrene	ND		ug/L	1.4	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Phenol	ND		ug/L	7.7	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Pyrene	ND		ug/L	1.4	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
1,2,4-Trichlorobenzene	ND		ug/L	2.9	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
2,4,5-Trichlorophenol	ND		ug/L	8.7	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
2,4,6-Trichlorophenol	ND		ug/L	7.7	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	102		%	40-125	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
2-Fluorobiphenyl (S)	82		%	32-108	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
2-Fluorophenol (S)	53		%	20-70	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Nitrobenzene-d5 (S)	80		%	31-110	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Phenol-d5 (S)	35		%	10-49	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1
Terphenyl-d14 (S)	72		%	27-136	SW846 8270D	9/12/08	KMC	9/22/08 16:59	JDA	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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Environmental • Industrial Hygiene • Field Services
34 Dogwood Lane • Middletown, PA 17057 • 717.944.5541 • Fax: 717.944.1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 1
Courier:
Tracking #:

9754145

Co. Name: ARM Group
Contact (Report to): Dan Butchanyl
Address: 1129 W. Governor Rd PO Box 797 Hershey PA 17033
Phone: 508-0532

Bill to (if different than Report to):
PO#:

Project Name/#: NWT / 07214
ALSI Quote #: 41481

TAT: [✓] Normal-Standard TAT is 10-12 business days. [ ] Rush-Subject to ALSI approval and surcharges.
Date Required:
Approved By:

Email? [✓] Y dbutchanyl@armgroup.net
Fax? [ ] Y No.

***Container Type: AG
***Container Size: 1L
*** Preservative:

ANALYSES/METHOD REQUESTED: TCL SVOC

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Enter Number of Containers Per Analysis
1	MW-15		9/10/08	1323	G	GW	2
2							
3							
4							
5							
6							
7							
8							

(Completed by Sample Receipt)
Performed by: JM
Cooler Temp: 3°
Therm. ID: 51023959
No. of Coolers:
Notes:

Correct containers?	Y	N
Correct sample volume?	Y	N
Correct preservation?	Y	N
Headspace/Volatiles?	Y	N
Circle appropriate Y or N.		
Custody seals Present?	Y	N
(If present) Seals intact?	Y	N
Received on ice?	Y	N
COC/Labels complete/accurate?	Y	N
Container in good condition?	Y	N

SAMPLED BY (Please Print): Joe Janick

LOGGED BY (signature): DATE 9-11-08 TIME 1652
REVIEWED BY (signature): DATE 09/12/08 TIME 1540

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	9/11/08	1155	2 ALSI	9/11/08	1155
3			4		
5			6		
7			8		
9			10		

Data Deliverables: [✓] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] other
EDDs Required? [ ] If yes, format type:
DOD Criteria Required?

SDWA Forms? yes [ ] yes [ ] yes [ ] yes [ ]
State Samples Collected In? MD [ ] NJ [ ] NY [ ] PA [ ]
Other:
-SEND PAYSDN-

ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite
**Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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Certificate of Analysis

Project Name:	**NWT YORK PROJECT**	Workorder:	**9796628**
Purchase Order:	**07214**	Workorder ID:	**Waters (06/29/09)**

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

July 15, 2009

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Monday, June 29, 2009

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAC accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALSI.

NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Steve Fulton

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Laboratory Manager

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SAMPLE SUMMARY

Workorder: 9796628 Waters (06/29/09) Discard Date: 08/14/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9796628001	MW-3S	Ground Water	6/29/09 14:00	6/29/09 15:35	Dan Buterbaugh
9796628002	MW-3B	Ground Water	6/29/09 14:25	6/29/09 15:35	Dan Buterbaugh
9796628003	MW-4S	Ground Water	6/29/09 10:29	6/29/09 15:35	Dan Buterbaugh
9796628004	MW-4B	Ground Water	6/29/09 11:05	6/29/09 15:35	Dan Buterbaugh
9796628005	MW-5S	Ground Water	6/29/09 12:00	6/29/09 15:35	Dan Buterbaugh
9796628006	MW-5B	Ground Water	6/29/09 12:34	6/29/09 15:35	Dan Buterbaugh
9796628007	Trip Blank	Ground Water	6/29/09 08:00	6/29/09 15:35	Dan Buterbaugh

Workorder Comments:

Notes

-- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9796628 Waters (06/29/09)

Lab ID: **9796628001** Date Collected: 6/29/2009 14:00 Matrix: Ground Water

Sample ID: **MW-3S** Date Received: 6/29/2009 15:35

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS											
Acetone	ND	ug/L		10.0	3.1	SW846 8260B			7/10/09 11:46	MES	A
Benzene	ND	ug/L		1.0	0.16	SW846 8260B			7/10/09 11:46	MES	A
Bromochloromethane	ND	ug/L		1.0	0.33	SW846 8260B			7/10/09 11:46	MES	A
Bromodichloromethane	ND	ug/L		1.0	0.23	SW846 8260B			7/10/09 11:46	MES	A
Bromoform	ND	ug/L		1.0	0.28	SW846 8260B			7/10/09 11:46	MES	A
Bromomethane	ND	ug/L		1.0	0.24	SW846 8260B			7/10/09 11:46	MES	A
2-Butanone	ND	ug/L		10.0	2.1	SW846 8260B			7/10/09 11:46	MES	A
Carbon Disulfide	0.42J	ug/L		1.0	0.12	SW846 8260B			7/10/09 11:46	MES	A
Carbon Tetrachloride	ND	ug/L		1.0	0.25	SW846 8260B			7/10/09 11:46	MES	A
Chlorobenzene	ND	ug/L		1.0	0.16	SW846 8260B			7/10/09 11:46	MES	A
Chlorodibromomethane	ND	ug/L		1.0	0.26	SW846 8260B			7/10/09 11:46	MES	A
Chloroethane	ND	ug/L		1.0	0.19	SW846 8260B			7/10/09 11:46	MES	A
Chloroform	ND	ug/L		1.0	0.23	SW846 8260B			7/10/09 11:46	MES	A
Chloromethane	ND	ug/L		1.0	0.16	SW846 8260B			7/10/09 11:46	MES	A
1,2-Dibromo-3-chloropropane	ND	ug/L		7.0	0.96	SW846 8260B			7/10/09 11:46	MES	A
1,2-Dibromoethane	ND	ug/L		1.0	0.30	SW846 8260B			7/10/09 11:46	MES	A
1,1-Dichloroethane	ND	ug/L		1.0	0.15	SW846 8260B			7/10/09 11:46	MES	A
1,2-Dichloroethane	ND	ug/L		1.0	0.33	SW846 8260B			7/10/09 11:46	MES	A
1,1-Dichloroethene	ND	ug/L		1.0	0.17	SW846 8260B			7/10/09 11:46	MES	A
cis-1,2-Dichloroethene	ND	ug/L		1.0	0.17	SW846 8260B			7/10/09 11:46	MES	A
trans-1,2-Dichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			7/10/09 11:46	MES	A
1,2-Dichloropropane	ND	ug/L		1.0	0.23	SW846 8260B			7/10/09 11:46	MES	A
cis-1,3-Dichloropropene	ND	ug/L		1.0	0.18	SW846 8260B			7/10/09 11:46	MES	A
trans-1,3-Dichloropropene	ND	ug/L		1.0	0.14	SW846 8260B			7/10/09 11:46	MES	A
Ethylbenzene	ND	ug/L		1.0	0.23	SW846 8260B			7/10/09 11:46	MES	A
2-Hexanone	ND	ug/L		5.0	0.78	SW846 8260B			7/10/09 11:46	MES	A
4-Methyl-2-Pentanone(MIBK)	ND	ug/L		5.0	0.41	SW846 8260B			7/10/09 11:46	MES	A
Methylene Chloride	ND	ug/L		1.0	0.32	SW846 8260B			7/10/09 11:46	MES	A
Styrene	ND	ug/L		1.0	0.10	SW846 8260B			7/10/09 11:46	MES	A
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0	0.22	SW846 8260B			7/10/09 11:46	MES	A
Tetrachloroethene	0.41J	ug/L		1.0	0.28	SW846 8260B			7/10/09 11:46	MES	A
Toluene	ND	ug/L		1.0	0.19	SW846 8260B			7/10/09 11:46	MES	A
Total Xylenes	ND	ug/L		3.0	0.61	SW846 8260B			7/10/09 11:46	MES	A
1,1,1-Trichloroethane	ND	ug/L		1.0	0.29	SW846 8260B			7/10/09 11:46	MES	A
1,1,2-Trichloroethane	ND	ug/L		1.0	0.29	SW846 8260B			7/10/09 11:46	MES	A
Trichloroethene	ND	ug/L		1.0	0.33	SW846 8260B			7/10/09 11:46	MES	A
Vinyl Chloride	ND	ug/L		1.0	0.16	SW846 8260B			7/10/09 11:46	MES	A
o-Xylene	ND	ug/L		1.0	0.24	SW846 8260B			7/10/09 11:46	MES	A
mp-Xylene	ND	ug/L		2.0	0.51	SW846 8260B			7/10/09 11:46	MES	A

Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	90.6	%		62-133	SW846 8260B			7/10/09 11:46	MES	A
4-Bromofluorobenzene (S)	109	%		79-114	SW846 8260B			7/10/09 11:46	MES	A
Dibromofluoromethane (S)	101	%		78-116	SW846 8260B			7/10/09 11:46	MES	A
Toluene-d8 (S)	108	%		76-127	SW846 8260B			7/10/09 11:46	MES	A

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ANALYTICAL RESULTS

Workorder: 9796628 Waters (06/29/09)

Lab ID: **9796628001** Date Collected: 6/29/2009 14:00 Matrix: Ground Water

Sample ID: **MW-3S** Date Received: 6/29/2009 15:35

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES											
Acenaphthene	0.33J	ug/L		1.4	0.32	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Acenaphthylene	ND	ug/L		1.4	0.34	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Anthracene	ND	ug/L		1.4	0.26	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Benzo(a)anthracene	ND	ug/L		1.4	0.45	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Benzo(a)pyrene	ND	ug/L		1.4	0.33	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Benzo(b)fluoranthene	ND	ug/L		1.4	0.30	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Benzo(g,h,i)perylene	ND	ug/L		1.4	0.32	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Benzo(k)fluoranthene	ND	ug/L		1.4	0.41	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
4-Bromophenyl-phenylether	ND	ug/L		2.8	0.63	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Butylbenzylphthalate	ND	ug/L		2.8	0.34	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Carbazole	ND	ug/L		2.8	0.37	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
4-Chloro-3-methylphenol	ND	ug/L		7.5	0.36	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
4-Chloroaniline	ND	ug/L		2.8	0.51	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Bis(2-Chloroethoxy)methane	ND	ug/L		2.8	0.38	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Bis(2-Chloroethyl)ether	ND	ug/L		2.8	0.39	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
bis(2-Chloroisopropyl)ether	ND	ug/L		2.8	0.54	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
2-Chloronaphthalene	ND	ug/L		2.8	0.50	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
2-Chlorophenol	ND	ug/L		7.5	0.65	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
4-Chlorophenyl-phenylether	ND	ug/L		2.8	0.30	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Chrysene	ND	ug/L		1.4	0.33	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
mp-Cresol	ND	ug/L		7.5	0.45	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
o-Cresol	ND	ug/L		7.5	0.48	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Di-n-Butylphthalate	0.32J	ug/L		2.8	0.26	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Di-n-Octylphthalate	ND	ug/L		7.5	0.29	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Dibenzo(a,h)anthracene	ND	ug/L		1.4	0.32	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Dibenzofuran	ND	ug/L		2.8	1.1	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
1,2-Dichlorobenzene	ND	ug/L		2.8	0.25	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
1,3-Dichlorobenzene	ND	ug/L		2.8	0.28	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
1,4-Dichlorobenzene	ND	ug/L		2.8	0.26	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
3,3-Dichlorobenzidine	ND	ug/L		7.5	2.5	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
2,4-Dichlorophenol	ND	ug/L		7.5	0.39	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Diethylphthalate	ND	ug/L		7.5	0.36	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
2,4-Dimethylphenol	ND	ug/L		7.5	1.1	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Dimethylphthalate	ND	ug/L		7.5	0.29	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
2,4-Dinitrophenol	ND	ug/L		7.5	2.2	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
2,4-Dinitrotoluene	ND	ug/L		2.8	0.64	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
2,6-Dinitrotoluene	ND	ug/L		2.8	0.64	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
bis(2-Ethylhexyl)phthalate	0.86J	ug/L		2.8	0.38	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Fluoranthene	ND	ug/L		1.4	0.37	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Fluorene	0.49J	ug/L		1.4	0.37	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Hexachlorobenzene	ND	ug/L		2.8	0.41	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Hexachlorobutadiene	ND	ug/L		2.8	0.39	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Hexachlorocyclopentadiene	ND	ug/L		7.5	1.0	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Hexachloroethane	ND	ug/L		2.8	0.42	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Indeno(1,2,3-cd)pyrene	ND	ug/L		1.4	0.25	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1

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ANALYTICAL RESULTS

Workorder: 9796628 Waters (06/29/09)

Lab ID: **9796628001** Date Collected: 6/29/2009 14:00 Matrix: Ground Water

Sample ID: **MW-3S** Date Received: 6/29/2009 15:35

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
Isophorone	ND	ug/L		2.8	0.41	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
2-Methyl-4,6-dinitrophenol	ND	ug/L		7.5	1.5	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
2-Methylnaphthalene	ND	ug/L		1.4	0.27	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Naphthalene	ND	ug/L		1.4	0.30	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
2-Nitroaniline	ND	ug/L		2.8	0.69	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
3-Nitroaniline	ND	ug/L		2.8	0.50	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
4-Nitroaniline	ND	ug/L		2.8	0.75	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Nitrobenzene	ND	ug/L		2.8	0.82	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
2-Nitrophenol	ND	ug/L		7.5	0.41	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
4-Nitrophenol	ND	ug/L		7.5	1.1	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
N-Nitroso-di-n-propylamine	ND	ug/L		2.8	0.44	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
N-Nitrosodiphenylamine	ND	ug/L		2.8	0.33	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Pentachlorophenol	ND	ug/L		7.5	1.5	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Phenanthrene	ND	ug/L		1.4	0.32	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Phenol	ND	ug/L		7.5	0.32	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Pyrene	0.49J	ug/L		1.4	0.31	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
1,2,4-Trichlorobenzene	ND	ug/L		2.8	0.57	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
2,4,5-Trichlorophenol	ND	ug/L		7.5	1.7	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
2,4,6-Trichlorophenol	ND	ug/L		7.5	0.62	SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	95.6	%		40-125		SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Phenol-d5 (S)	31.9	%		13-49		SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Terphenyl-d14 (S)	66.3	%		50-122		SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
Nitrobenzene-d5 (S)	80.6	%		40-110		SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
2-Fluorobiphenyl (S)	79.8	%		50-110		SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
2-Fluorophenol (S)	47	%		20-75		SW846 8270D	7/6/09	GMG	7/9/09 01:50	CHS	C1
METALS											
Antimony, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 10:43	JWK	E2
Arsenic, Dissolved	ND	mg/L		0.0080	0.0026	SW846 6010C	7/14/09	JWK	7/14/09 10:43	JWK	E2
Beryllium, Dissolved	ND	mg/L		0.0040	0.0013	SW846 6010C	7/14/09	JWK	7/14/09 10:43	JWK	E2
Cadmium, Dissolved	ND	mg/L		0.0020	0.00066	SW846 6010C	7/14/09	JWK	7/14/09 10:43	JWK	E2
Chromium, Dissolved	0.0022J	mg/L		0.0050	0.0016	SW846 6010C	7/14/09	JWK	7/14/09 10:43	JWK	E2
Copper, Dissolved	0.0037J	mg/L		0.010	0.0033	SW846 6010C	7/14/09	JWK	7/14/09 10:43	JWK	E2
Lead, Dissolved	0.0057J	mg/L		0.0060	0.0020	SW846 6010C	7/14/09	JWK	7/14/09 10:43	JWK	E2
Mercury, Dissolved	ND	mg/L		0.00050	0.000030	SW846 7470A	7/13/09	BLB	7/14/09 15:45	BLB	E1
Nickel, Dissolved	0.0076J	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 10:43	JWK	E2
Selenium, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 10:43	JWK	E2
Silver, Dissolved	ND	mg/L		0.0040	0.0013	SW846 6010C	7/14/09	JWK	7/14/09 10:43	JWK	E2
Thallium, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 10:43	JWK	E2
Zinc, Dissolved	0.030	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 10:43	JWK	E2

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9796628 Waters (06/29/09)

Lab ID:	**9796628001**	Date Collected:	6/29/2009 14:00	Matrix:	Ground Water
Sample ID:	**MW-3S**	Date Received:	6/29/2009 15:35		

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9796628 Waters (06/29/09)

Lab ID: **9796628002** Date Collected: 6/29/2009 14:25 Matrix: Ground Water

Sample ID: **MW-3B** Date Received: 6/29/2009 15:35

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS											
Acetone	9.3J	ug/L		10.0	3.1	SW846 8260B			7/10/09 12:21	MES	A
Benzene	ND	ug/L		1.0	0.16	SW846 8260B			7/10/09 12:21	MES	A
Bromochloromethane	ND	ug/L		1.0	0.33	SW846 8260B			7/10/09 12:21	MES	A
Bromodichloromethane	ND	ug/L		1.0	0.23	SW846 8260B			7/10/09 12:21	MES	A
Bromoform	ND	ug/L		1.0	0.28	SW846 8260B			7/10/09 12:21	MES	A
Bromomethane	ND	ug/L		1.0	0.24	SW846 8260B			7/10/09 12:21	MES	A
2-Butanone	7.0J	ug/L		10.0	2.1	SW846 8260B			7/10/09 12:21	MES	A
Carbon Disulfide	0.73J	ug/L		1.0	0.12	SW846 8260B			7/10/09 12:21	MES	A
Carbon Tetrachloride	ND	ug/L		1.0	0.25	SW846 8260B			7/10/09 12:21	MES	A
Chlorobenzene	ND	ug/L		1.0	0.16	SW846 8260B			7/10/09 12:21	MES	A
Chlorodibromomethane	ND	ug/L		1.0	0.26	SW846 8260B			7/10/09 12:21	MES	A
Chloroethane	ND	ug/L		1.0	0.19	SW846 8260B			7/10/09 12:21	MES	A
Chloroform	ND	ug/L		1.0	0.23	SW846 8260B			7/10/09 12:21	MES	A
Chloromethane	ND	ug/L		1.0	0.16	SW846 8260B			7/10/09 12:21	MES	A
1,2-Dibromo-3-chloropropane	ND	ug/L		7.0	0.96	SW846 8260B			7/10/09 12:21	MES	A
1,2-Dibromoethane	ND	ug/L		1.0	0.30	SW846 8260B			7/10/09 12:21	MES	A
1,1-Dichloroethane	ND	ug/L		1.0	0.15	SW846 8260B			7/10/09 12:21	MES	A
1,2-Dichloroethane	ND	ug/L		1.0	0.33	SW846 8260B			7/10/09 12:21	MES	A
1,1-Dichloroethene	ND	ug/L		1.0	0.17	SW846 8260B			7/10/09 12:21	MES	A
cis-1,2-Dichloroethene	ND	ug/L		1.0	0.17	SW846 8260B			7/10/09 12:21	MES	A
trans-1,2-Dichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			7/10/09 12:21	MES	A
1,2-Dichloropropane	ND	ug/L		1.0	0.23	SW846 8260B			7/10/09 12:21	MES	A
cis-1,3-Dichloropropene	ND	ug/L		1.0	0.18	SW846 8260B			7/10/09 12:21	MES	A
trans-1,3-Dichloropropene	ND	ug/L		1.0	0.14	SW846 8260B			7/10/09 12:21	MES	A
Ethylbenzene	ND	ug/L		1.0	0.23	SW846 8260B			7/10/09 12:21	MES	A
2-Hexanone	ND	ug/L		5.0	0.78	SW846 8260B			7/10/09 12:21	MES	A
4-Methyl-2-Pentanone(MIBK)	ND	ug/L		5.0	0.41	SW846 8260B			7/10/09 12:21	MES	A
Methylene Chloride	ND	ug/L		1.0	0.32	SW846 8260B			7/10/09 12:21	MES	A
Styrene	ND	ug/L		1.0	0.10	SW846 8260B			7/10/09 12:21	MES	A
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0	0.22	SW846 8260B			7/10/09 12:21	MES	A
Tetrachloroethene	ND	ug/L		1.0	0.28	SW846 8260B			7/10/09 12:21	MES	A
Toluene	ND	ug/L		1.0	0.19	SW846 8260B			7/10/09 12:21	MES	A
Total Xylenes	ND	ug/L		3.0	0.61	SW846 8260B			7/10/09 12:21	MES	A
1,1,1-Trichloroethane	ND	ug/L		1.0	0.29	SW846 8260B			7/10/09 12:21	MES	A
1,1,2-Trichloroethane	ND	ug/L		1.0	0.29	SW846 8260B			7/10/09 12:21	MES	A
Trichloroethene	ND	ug/L		1.0	0.33	SW846 8260B			7/10/09 12:21	MES	A
Vinyl Chloride	ND	ug/L		1.0	0.16	SW846 8260B			7/10/09 12:21	MES	A
o-Xylene	ND	ug/L		1.0	0.24	SW846 8260B			7/10/09 12:21	MES	A
mp-Xylene	ND	ug/L		2.0	0.51	SW846 8260B			7/10/09 12:21	MES	A

Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	93.2	%		62-133	SW846 8260B			7/10/09 12:21	MES	A
Toluene-d8 (S)	105	%		76-127	SW846 8260B			7/10/09 12:21	MES	A
4-Bromofluorobenzene (S)	113	%		79-114	SW846 8260B			7/10/09 12:21	MES	A
Dibromofluoromethane (S)	104	%		78-116	SW846 8260B			7/10/09 12:21	MES	A

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ANALYTICAL RESULTS

Workorder: 9796628 Waters (06/29/09)

Lab ID: **9796628002** Date Collected: 6/29/2009 14:25 Matrix: Ground Water

Sample ID: **MW-3B** Date Received: 6/29/2009 15:35

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES											
Acenaphthene	ND	ug/L		1.4	0.32	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Acenaphthylene	ND	ug/L		1.4	0.34	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Anthracene	ND	ug/L		1.4	0.27	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Benzo(a)anthracene	ND	ug/L		1.4	0.46	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Benzo(a)pyrene	ND	ug/L		1.4	0.33	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Benzo(b)fluoranthene	ND	ug/L		1.4	0.30	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Benzo(g,h,i)perylene	ND	ug/L		1.4	0.32	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Benzo(k)fluoranthene	ND	ug/L		1.4	0.41	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
4-Bromophenyl-phenylether	ND	ug/L		2.9	0.64	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Butylbenzylphthalate	ND	ug/L		2.9	0.34	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Carbazole	ND	ug/L		2.9	0.37	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
4-Chloro-3-methylphenol	ND	ug/L		7.6	0.36	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
4-Chloroaniline	ND	ug/L		2.9	0.51	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Bis(2-Chloroethoxy)methane	ND	ug/L		2.9	0.38	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Bis(2-Chloroethyl)ether	ND	ug/L		2.9	0.39	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
bis(2-Chloroisopropyl)ether	ND	ug/L		2.9	0.54	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
2-Chloronaphthalene	ND	ug/L		2.9	0.50	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
2-Chlorophenol	ND	ug/L		7.6	0.66	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
4-Chlorophenyl-phenylether	ND	ug/L		2.9	0.30	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Chrysene	ND	ug/L		1.4	0.33	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
mp-Cresol	ND	ug/L		7.6	0.46	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
o-Cresol	ND	ug/L		7.6	0.49	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Di-n-Butylphthalate	0.41J	ug/L		2.9	0.27	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Di-n-Octylphthalate	ND	ug/L		7.6	0.30	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Dibenzo(a,h)anthracene	ND	ug/L		1.4	0.32	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Dibenzofuran	ND	ug/L		2.9	1.1	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
1,2-Dichlorobenzene	ND	ug/L		2.9	0.25	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
1,3-Dichlorobenzene	ND	ug/L		2.9	0.29	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
1,4-Dichlorobenzene	ND	ug/L		2.9	0.27	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
3,3-Dichlorobenzidine	ND	ug/L		7.6	2.5	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
2,4-Dichlorophenol	ND	ug/L		7.6	0.39	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Diethylphthalate	ND	ug/L		7.6	0.36	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
2,4-Dimethylphenol	ND	ug/L		7.6	1.1	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Dimethylphthalate	ND	ug/L		7.6	0.30	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
2,4-Dinitrophenol	ND	ug/L		7.6	2.2	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
2,4-Dinitrotoluene	ND	ug/L		2.9	0.65	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
2,6-Dinitrotoluene	ND	ug/L		2.9	0.65	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
bis(2-Ethylhexyl)phthalate	6.9	ug/L		2.9	0.38	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Fluoranthene	ND	ug/L		1.4	0.37	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Fluorene	ND	ug/L		1.4	0.37	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Hexachlorobenzene	ND	ug/L		2.9	0.41	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Hexachlorobutadiene	ND	ug/L		2.9	0.39	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Hexachlorocyclopentadiene	ND	ug/L		7.6	1.0	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Hexachloroethane	ND	ug/L		2.9	0.42	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Indeno(1,2,3-cd)pyrene	ND	ug/L		1.4	0.26	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1

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ANALYTICAL RESULTS

Workorder: 9796628 Waters (06/29/09)

Lab ID: **9796628002** Date Collected: 6/29/2009 14:25 Matrix: Ground Water

Sample ID: **MW-3B** Date Received: 6/29/2009 15:35

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
Isophorone	ND	ug/L		2.9	0.41	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
2-Methyl-4,6-dinitrophenol	ND	ug/L		7.6	1.5	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
2-Methylnaphthalene	ND	ug/L		1.4	0.28	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Naphthalene	ND	ug/L		1.4	0.30	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
2-Nitroaniline	ND	ug/L		2.9	0.70	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
3-Nitroaniline	ND	ug/L		2.9	0.50	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
4-Nitroaniline	ND	ug/L		2.9	0.75	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Nitrobenzene	ND	ug/L		2.9	0.83	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
2-Nitrophenol	ND	ug/L		7.6	0.41	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
4-Nitrophenol	ND	ug/L		7.6	1.1	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
N-Nitroso-di-n-propylamine	ND	ug/L		2.9	0.45	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
N-Nitrosodiphenylamine	ND	ug/L		2.9	0.33	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Pentachlorophenol	ND	ug/L		7.6	1.5	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Phenanthrene	ND	ug/L		1.4	0.32	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Phenol	ND	ug/L		7.6	0.32	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Pyrene	ND	ug/L		1.4	0.31	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
1,2,4-Trichlorobenzene	ND	ug/L		2.9	0.57	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
2,4,5-Trichlorophenol	ND	ug/L		7.6	1.7	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
2,4,6-Trichlorophenol	ND	ug/L		7.6	0.63	SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	105	%		40-125		SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Terphenyl-d14 (S)	86.5	%		50-122		SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
2-Fluorobiphenyl (S)	84.3	%		50-110		SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Nitrobenzene-d5 (S)	84.6	%		40-110		SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
Phenol-d5 (S)	33.3	%		13-49		SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
2-Fluorophenol (S)	55.4	%		20-75		SW846 8270D	7/6/09	GMG	7/9/09 02:39	CHS	C1
METALS											
Antimony, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 10:48	JWK	E2
Arsenic, Dissolved	ND	mg/L		0.0080	0.0026	SW846 6010C	7/14/09	JWK	7/14/09 10:48	JWK	E2
Beryllium, Dissolved	ND	mg/L		0.0040	0.0013	SW846 6010C	7/14/09	JWK	7/14/09 10:48	JWK	E2
Cadmium, Dissolved	ND	mg/L		0.0020	0.00066	SW846 6010C	7/14/09	JWK	7/14/09 10:48	JWK	E2
Chromium, Dissolved	0.026	mg/L		0.0050	0.0016	SW846 6010C	7/14/09	JWK	7/14/09 10:48	JWK	E2
Copper, Dissolved	ND	mg/L		0.010	0.0033	SW846 6010C	7/14/09	JWK	7/14/09 10:48	JWK	E2
Lead, Dissolved	0.0046J	mg/L		0.0060	0.0020	SW846 6010C	7/14/09	JWK	7/14/09 10:48	JWK	E2
Mercury, Dissolved	ND	mg/L		0.00050	0.000030	SW846 7470A	7/13/09	BLB	7/14/09 15:48	BLB	E1
Nickel, Dissolved	0.0095J	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 10:48	JWK	E2
Selenium, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 10:48	JWK	E2
Silver, Dissolved	ND	mg/L		0.0040	0.0013	SW846 6010C	7/14/09	JWK	7/14/09 10:48	JWK	E2
Thallium, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 10:48	JWK	E2
Zinc, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 10:48	JWK	E2

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9796628 Waters (06/29/09)

Lab ID:	**9796628002**	Date Collected:	6/29/2009 14:25	Matrix:	Ground Water
Sample ID:	**MW-3B**	Date Received:	6/29/2009 15:35		

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr

Anna G Milliken
Laboratory Manager

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34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9796628 Waters (06/29/09)

Lab ID: **9796628003** Date Collected: 6/29/2009 10:29 Matrix: Ground Water

Sample ID: **MW-4S** Date Received: 6/29/2009 15:35

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS											
Acetone	ND	ug/L		10.0	3.1	SW846 8260B			7/10/09 12:57	MES	A
Benzene	ND	ug/L		1.0	0.16	SW846 8260B			7/10/09 12:57	MES	A
Bromochloromethane	ND	ug/L		1.0	0.33	SW846 8260B			7/10/09 12:57	MES	A
Bromodichloromethane	ND	ug/L		1.0	0.23	SW846 8260B			7/10/09 12:57	MES	A
Bromoform	ND	ug/L		1.0	0.28	SW846 8260B			7/10/09 12:57	MES	A
Bromomethane	ND	ug/L		1.0	0.24	SW846 8260B			7/10/09 12:57	MES	A
2-Butanone	ND	ug/L		10.0	2.1	SW846 8260B			7/10/09 12:57	MES	A
Carbon Disulfide	ND	ug/L		1.0	0.12	SW846 8260B			7/10/09 12:57	MES	A
Carbon Tetrachloride	ND	ug/L		1.0	0.25	SW846 8260B			7/10/09 12:57	MES	A
Chlorobenzene	ND	ug/L		1.0	0.16	SW846 8260B			7/10/09 12:57	MES	A
Chlorodibromomethane	ND	ug/L		1.0	0.26	SW846 8260B			7/10/09 12:57	MES	A
Chloroethane	ND	ug/L		1.0	0.19	SW846 8260B			7/10/09 12:57	MES	A
Chloroform	ND	ug/L		1.0	0.23	SW846 8260B			7/10/09 12:57	MES	A
Chloromethane	ND	ug/L		1.0	0.16	SW846 8260B			7/10/09 12:57	MES	A
1,2-Dibromo-3-chloropropane	ND	ug/L		7.0	0.96	SW846 8260B			7/10/09 12:57	MES	A
1,2-Dibromoethane	ND	ug/L		1.0	0.30	SW846 8260B			7/10/09 12:57	MES	A
1,1-Dichloroethane	ND	ug/L		1.0	0.15	SW846 8260B			7/10/09 12:57	MES	A
1,2-Dichloroethane	ND	ug/L		1.0	0.33	SW846 8260B			7/10/09 12:57	MES	A
1,1-Dichloroethene	ND	ug/L		1.0	0.17	SW846 8260B			7/10/09 12:57	MES	A
cis-1,2-Dichloroethene	1.5	ug/L		1.0	0.17	SW846 8260B			7/10/09 12:57	MES	A
trans-1,2-Dichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			7/10/09 12:57	MES	A
1,2-Dichloropropane	ND	ug/L		1.0	0.23	SW846 8260B			7/10/09 12:57	MES	A
cis-1,3-Dichloropropene	ND	ug/L		1.0	0.18	SW846 8260B			7/10/09 12:57	MES	A
trans-1,3-Dichloropropene	ND	ug/L		1.0	0.14	SW846 8260B			7/10/09 12:57	MES	A
Ethylbenzene	ND	ug/L		1.0	0.23	SW846 8260B			7/10/09 12:57	MES	A
2-Hexanone	ND	ug/L		5.0	0.78	SW846 8260B			7/10/09 12:57	MES	A
4-Methyl-2-Pentanone(MIBK)	ND	ug/L		5.0	0.41	SW846 8260B			7/10/09 12:57	MES	A
Methylene Chloride	ND	ug/L		1.0	0.32	SW846 8260B			7/10/09 12:57	MES	A
Styrene	ND	ug/L		1.0	0.10	SW846 8260B			7/10/09 12:57	MES	A
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0	0.22	SW846 8260B			7/10/09 12:57	MES	A
Tetrachloroethene	0.63J	ug/L		1.0	0.28	SW846 8260B			7/10/09 12:57	MES	A
Toluene	ND	ug/L		1.0	0.19	SW846 8260B			7/10/09 12:57	MES	A
Total Xylenes	ND	ug/L		3.0	0.61	SW846 8260B			7/10/09 12:57	MES	A
1,1,1-Trichloroethane	ND	ug/L		1.0	0.29	SW846 8260B			7/10/09 12:57	MES	A
1,1,2-Trichloroethane	ND	ug/L		1.0	0.29	SW846 8260B			7/10/09 12:57	MES	A
Trichloroethene	4.4	ug/L		1.0	0.33	SW846 8260B			7/10/09 12:57	MES	A
Vinyl Chloride	ND	ug/L		1.0	0.16	SW846 8260B			7/10/09 12:57	MES	A
o-Xylene	ND	ug/L		1.0	0.24	SW846 8260B			7/10/09 12:57	MES	A
mp-Xylene	ND	ug/L		2.0	0.51	SW846 8260B			7/10/09 12:57	MES	A

Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	94.2	%		62-133	SW846 8260B			7/10/09 12:57	MES	A
Toluene-d8 (S)	105	%		76-127	SW846 8260B			7/10/09 12:57	MES	A
4-Bromofluorobenzene (S)	110	%		79-114	SW846 8260B			7/10/09 12:57	MES	A
Dibromofluoromethane (S)	99.9	%		78-116	SW846 8260B			7/10/09 12:57	MES	A

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ANALYTICAL RESULTS

Workorder: 9796628 Waters (06/29/09)

Lab ID: **9796628003** Date Collected: 6/29/2009 10:29 Matrix: Ground Water

Sample ID: **MW-4S** Date Received: 6/29/2009 15:35

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES											
Acenaphthene	ND	ug/L		1.4	0.32	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Acenaphthylene	ND	ug/L		1.4	0.34	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Anthracene	ND	ug/L		1.4	0.27	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Benzo(a)anthracene	ND	ug/L		1.4	0.46	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Benzo(a)pyrene	ND	ug/L		1.4	0.33	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Benzo(b)fluoranthene	ND	ug/L		1.4	0.30	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Benzo(g,h,i)perylene	ND	ug/L		1.4	0.32	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Benzo(k)fluoranthene	ND	ug/L		1.4	0.41	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
4-Bromophenyl-phenylether	ND	ug/L		2.9	0.64	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Butylbenzylphthalate	ND	ug/L		2.9	0.34	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Carbazole	ND	ug/L		2.9	0.37	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
4-Chloro-3-methylphenol	ND	ug/L		7.6	0.36	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
4-Chloroaniline	ND	ug/L		2.9	0.51	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Bis(2-Chloroethoxy)methane	ND	ug/L		2.9	0.38	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Bis(2-Chloroethyl)ether	ND	ug/L		2.9	0.39	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
bis(2-Chloroisopropyl)ether	ND	ug/L		2.9	0.54	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
2-Chloronaphthalene	ND	ug/L		2.9	0.50	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
2-Chlorophenol	ND	ug/L		7.6	0.66	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
4-Chlorophenyl-phenylether	ND	ug/L		2.9	0.30	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Chrysene	ND	ug/L		1.4	0.33	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
mp-Cresol	ND	ug/L		7.6	0.46	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
o-Cresol	ND	ug/L		7.6	0.49	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Di-n-Butylphthalate	ND	ug/L		2.9	0.27	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Di-n-Octylphthalate	ND	ug/L		7.6	0.30	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Dibenzo(a,h)anthracene	ND	ug/L		1.4	0.32	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Dibenzofuran	ND	ug/L		2.9	1.1	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
1,2-Dichlorobenzene	ND	ug/L		2.9	0.25	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
1,3-Dichlorobenzene	ND	ug/L		2.9	0.29	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
1,4-Dichlorobenzene	ND	ug/L		2.9	0.27	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
3,3-Dichlorobenzidine	ND	ug/L		7.6	2.5	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
2,4-Dichlorophenol	ND	ug/L		7.6	0.39	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Diethylphthalate	ND	ug/L		7.6	0.36	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
2,4-Dimethylphenol	ND	ug/L		7.6	1.1	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Dimethylphthalate	ND	ug/L		7.6	0.30	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
2,4-Dinitrophenol	ND	ug/L		7.6	2.2	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
2,4-Dinitrotoluene	ND	ug/L		2.9	0.65	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
2,6-Dinitrotoluene	ND	ug/L		2.9	0.65	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
bis(2-Ethylhexyl)phthalate	0.79J	ug/L		2.9	0.38	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Fluoranthene	ND	ug/L		1.4	0.37	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Fluorene	ND	ug/L		1.4	0.37	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Hexachlorobenzene	ND	ug/L		2.9	0.41	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Hexachlorobutadiene	ND	ug/L		2.9	0.39	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Hexachlorocyclopentadiene	ND	ug/L		7.6	1.0	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Hexachloroethane	ND	ug/L		2.9	0.42	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Indeno(1,2,3-cd)pyrene	ND	ug/L		1.4	0.26	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1

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ANALYTICAL RESULTS

Workorder: 9796628 Waters (06/29/09)

Lab ID: **9796628003** Date Collected: 6/29/2009 10:29 Matrix: Ground Water

Sample ID: **MW-4S** Date Received: 6/29/2009 15:35

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
Isophorone	ND	ug/L		2.9	0.41	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
2-Methyl-4,6-dinitrophenol	ND	ug/L		7.6	1.5	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
2-Methylnaphthalene	ND	ug/L		1.4	0.28	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Naphthalene	ND	ug/L		1.4	0.30	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
2-Nitroaniline	ND	ug/L		2.9	0.70	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
3-Nitroaniline	ND	ug/L		2.9	0.50	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
4-Nitroaniline	ND	ug/L		2.9	0.75	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Nitrobenzene	ND	ug/L		2.9	0.83	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
2-Nitrophenol	ND	ug/L		7.6	0.41	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
4-Nitrophenol	ND	ug/L		7.6	1.1	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
N-Nitroso-di-n-propylamine	ND	ug/L		2.9	0.45	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
N-Nitrosodiphenylamine	ND	ug/L		2.9	0.33	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Pentachlorophenol	ND	ug/L		7.6	1.5	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Phenanthrene	ND	ug/L		1.4	0.32	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Phenol	ND	ug/L		7.6	0.32	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Pyrene	0.57J	ug/L		1.4	0.31	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
1,2,4-Trichlorobenzene	ND	ug/L		2.9	0.57	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
2,4,5-Trichlorophenol	ND	ug/L		7.6	1.7	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
2,4,6-Trichlorophenol	ND	ug/L		7.6	0.63	SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	82.9	%		40-125		SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Terphenyl-d14 (S)	53.9	%		50-122		SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
2-Fluorobiphenyl (S)	72.2	%		50-110		SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Nitrobenzene-d5 (S)	74.3	%		40-110		SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
Phenol-d5 (S)	24	%		13-49		SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
2-Fluorophenol (S)	37.8	%		20-75		SW846 8270D	7/6/09	GMG	7/8/09 22:32	CHS	C1
METALS											
Antimony, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 10:53	JWK	E2
Arsenic, Dissolved	ND	mg/L		0.0080	0.0026	SW846 6010C	7/14/09	JWK	7/14/09 10:53	JWK	E2
Beryllium, Dissolved	ND	mg/L		0.0040	0.0013	SW846 6010C	7/14/09	JWK	7/14/09 10:53	JWK	E2
Cadmium, Dissolved	ND	mg/L		0.0020	0.00066	SW846 6010C	7/14/09	JWK	7/14/09 10:53	JWK	E2
Chromium, Dissolved	0.0028J	mg/L		0.0050	0.0016	SW846 6010C	7/14/09	JWK	7/14/09 10:53	JWK	E2
Copper, Dissolved	ND	mg/L		0.010	0.0033	SW846 6010C	7/14/09	JWK	7/14/09 10:53	JWK	E2
Lead, Dissolved	0.0049J	mg/L		0.0060	0.0020	SW846 6010C	7/14/09	JWK	7/14/09 10:53	JWK	E2
Mercury, Dissolved	ND	mg/L		0.00050	0.000030	SW846 7470A	7/13/09	BLB	7/14/09 15:59	BLB	E1
Nickel, Dissolved	0.0067J	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 10:53	JWK	E2
Selenium, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 10:53	JWK	E2
Silver, Dissolved	ND	mg/L		0.0040	0.0013	SW846 6010C	7/14/09	JWK	7/14/09 10:53	JWK	E2
Thallium, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 10:53	JWK	E2
Zinc, Dissolved	0.059	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 10:53	JWK	E2

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9796628 Waters (06/29/09)

Lab ID:	**9796628003**	Date Collected:	6/29/2009 10:29	Matrix:	Ground Water
Sample ID:	**MW-4S**	Date Received:	6/29/2009 15:35		

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9796628 Waters (06/29/09)

Lab ID: **9796628004** Date Collected: 6/29/2009 11:05 Matrix: Ground Water

Sample ID: **MW-4B** Date Received: 6/29/2009 15:35

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS											
Acetone	ND	ug/L		10.0	3.1	SW846 8260B			7/10/09 13:32	MES	A
Benzene	ND	ug/L		1.0	0.16	SW846 8260B			7/10/09 13:32	MES	A
Bromochloromethane	ND	ug/L		1.0	0.33	SW846 8260B			7/10/09 13:32	MES	A
Bromodichloromethane	ND	ug/L		1.0	0.23	SW846 8260B			7/10/09 13:32	MES	A
Bromoform	ND	ug/L		1.0	0.28	SW846 8260B			7/10/09 13:32	MES	A
Bromomethane	ND	ug/L		1.0	0.24	SW846 8260B			7/10/09 13:32	MES	A
2-Butanone	ND	ug/L		10.0	2.1	SW846 8260B			7/10/09 13:32	MES	A
Carbon Disulfide	ND	ug/L		1.0	0.12	SW846 8260B			7/10/09 13:32	MES	A
Carbon Tetrachloride	ND	ug/L		1.0	0.25	SW846 8260B			7/10/09 13:32	MES	A
Chlorobenzene	ND	ug/L		1.0	0.16	SW846 8260B			7/10/09 13:32	MES	A
Chlorodibromomethane	ND	ug/L		1.0	0.26	SW846 8260B			7/10/09 13:32	MES	A
Chloroethane	ND	ug/L		1.0	0.19	SW846 8260B			7/10/09 13:32	MES	A
Chloroform	ND	ug/L		1.0	0.23	SW846 8260B			7/10/09 13:32	MES	A
Chloromethane	ND	ug/L		1.0	0.16	SW846 8260B			7/10/09 13:32	MES	A
1,2-Dibromo-3-chloropropane	ND	ug/L		7.0	0.96	SW846 8260B			7/10/09 13:32	MES	A
1,2-Dibromoethane	ND	ug/L		1.0	0.30	SW846 8260B			7/10/09 13:32	MES	A
1,1-Dichloroethane	1.1	ug/L		1.0	0.15	SW846 8260B			7/10/09 13:32	MES	A
1,2-Dichloroethane	ND	ug/L		1.0	0.33	SW846 8260B			7/10/09 13:32	MES	A
1,1-Dichloroethene	ND	ug/L		1.0	0.17	SW846 8260B			7/10/09 13:32	MES	A
cis-1,2-Dichloroethene	2.5	ug/L		1.0	0.17	SW846 8260B			7/10/09 13:32	MES	A
trans-1,2-Dichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			7/10/09 13:32	MES	A
1,2-Dichloropropane	ND	ug/L		1.0	0.23	SW846 8260B			7/10/09 13:32	MES	A
cis-1,3-Dichloropropene	ND	ug/L		1.0	0.18	SW846 8260B			7/10/09 13:32	MES	A
trans-1,3-Dichloropropene	ND	ug/L		1.0	0.14	SW846 8260B			7/10/09 13:32	MES	A
Ethylbenzene	ND	ug/L		1.0	0.23	SW846 8260B			7/10/09 13:32	MES	A
2-Hexanone	ND	ug/L		5.0	0.78	SW846 8260B			7/10/09 13:32	MES	A
4-Methyl-2-Pentanone(MIBK)	ND	ug/L		5.0	0.41	SW846 8260B			7/10/09 13:32	MES	A
Methylene Chloride	ND	ug/L		1.0	0.32	SW846 8260B			7/10/09 13:32	MES	A
Styrene	ND	ug/L		1.0	0.10	SW846 8260B			7/10/09 13:32	MES	A
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0	0.22	SW846 8260B			7/10/09 13:32	MES	A
Tetrachloroethene	ND	ug/L		1.0	0.28	SW846 8260B			7/10/09 13:32	MES	A
Toluene	ND	ug/L		1.0	0.19	SW846 8260B			7/10/09 13:32	MES	A
Total Xylenes	ND	ug/L		3.0	0.61	SW846 8260B			7/10/09 13:32	MES	A
1,1,1-Trichloroethane	ND	ug/L		1.0	0.29	SW846 8260B			7/10/09 13:32	MES	A
1,1,2-Trichloroethane	ND	ug/L		1.0	0.29	SW846 8260B			7/10/09 13:32	MES	A
Trichloroethene	4.5	ug/L		1.0	0.33	SW846 8260B			7/10/09 13:32	MES	A
Vinyl Chloride	ND	ug/L		1.0	0.16	SW846 8260B			7/10/09 13:32	MES	A
o-Xylene	ND	ug/L		1.0	0.24	SW846 8260B			7/10/09 13:32	MES	A
mp-Xylene	ND	ug/L		2.0	0.51	SW846 8260B			7/10/09 13:32	MES	A

Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	94.6	%		62-133	SW846 8260B			7/10/09 13:32	MES	A
Dibromofluoromethane (S)	101	%		78-116	SW846 8260B			7/10/09 13:32	MES	A
4-Bromofluorobenzene (S)	108	%		79-114	SW846 8260B			7/10/09 13:32	MES	A
Toluene-d8 (S)	108	%		76-127	SW846 8260B			7/10/09 13:32	MES	A

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ANALYTICAL RESULTS

Workorder: 9796628 Waters (06/29/09)

Lab ID: **9796628004** Date Collected: 6/29/2009 11:05 Matrix: Ground Water

Sample ID: **MW-4B** Date Received: 6/29/2009 15:35

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES											
Acenaphthene	ND	ug/L		1.4	0.32	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Acenaphthylene	ND	ug/L		1.4	0.34	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Anthracene	ND	ug/L		1.4	0.26	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Benzo(a)anthracene	ND	ug/L		1.4	0.45	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Benzo(a)pyrene	ND	ug/L		1.4	0.33	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Benzo(b)fluoranthene	ND	ug/L		1.4	0.30	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Benzo(g,h,i)perylene	ND	ug/L		1.4	0.32	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Benzo(k)fluoranthene	ND	ug/L		1.4	0.41	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
4-Bromophenyl-phenylether	ND	ug/L		2.8	0.63	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Butylbenzylphthalate	ND	ug/L		2.8	0.34	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Carbazole	ND	ug/L		2.8	0.37	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
4-Chloro-3-methylphenol	ND	ug/L		7.5	0.36	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
4-Chloroaniline	ND	ug/L		2.8	0.51	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Bis(2-Chloroethoxy)methane	ND	ug/L		2.8	0.38	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Bis(2-Chloroethyl)ether	ND	ug/L		2.8	0.39	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
bis(2-Chloroisopropyl)ether	ND	ug/L		2.8	0.54	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
2-Chloronaphthalene	ND	ug/L		2.8	0.50	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
2-Chlorophenol	ND	ug/L		7.5	0.65	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
4-Chlorophenyl-phenylether	ND	ug/L		2.8	0.30	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Chrysene	ND	ug/L		1.4	0.33	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
mp-Cresol	ND	ug/L		7.5	0.45	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
o-Cresol	ND	ug/L		7.5	0.48	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Di-n-Butylphthalate	ND	ug/L		2.8	0.26	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Di-n-Octylphthalate	ND	ug/L		7.5	0.29	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Dibenzo(a,h)anthracene	ND	ug/L		1.4	0.32	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Dibenzofuran	ND	ug/L		2.8	1.1	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
1,2-Dichlorobenzene	ND	ug/L		2.8	0.25	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
1,3-Dichlorobenzene	ND	ug/L		2.8	0.28	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
1,4-Dichlorobenzene	ND	ug/L		2.8	0.26	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
3,3-Dichlorobenzidine	ND	ug/L		7.5	2.5	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
2,4-Dichlorophenol	ND	ug/L		7.5	0.39	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Diethylphthalate	ND	ug/L		7.5	0.36	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
2,4-Dimethylphenol	ND	ug/L		7.5	1.1	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Dimethylphthalate	ND	ug/L		7.5	0.29	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
2,4-Dinitrophenol	ND	ug/L		7.5	2.2	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
2,4-Dinitrotoluene	ND	ug/L		2.8	0.64	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
2,6-Dinitrotoluene	ND	ug/L		2.8	0.64	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
bis(2-Ethylhexyl)phthalate	ND	ug/L		2.8	0.38	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Fluoranthene	ND	ug/L		1.4	0.37	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Fluorene	ND	ug/L		1.4	0.37	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Hexachlorobenzene	ND	ug/L		2.8	0.41	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Hexachlorobutadiene	ND	ug/L		2.8	0.39	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Hexachlorocyclopentadiene	ND	ug/L		7.5	1.0	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Hexachloroethane	ND	ug/L		2.8	0.42	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Indeno(1,2,3-cd)pyrene	ND	ug/L		1.4	0.25	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1

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ANALYTICAL RESULTS

Workorder: 9796628 Waters (06/29/09)

Lab ID: **9796628004** Date Collected: 6/29/2009 11:05 Matrix: Ground Water

Sample ID: **MW-4B** Date Received: 6/29/2009 15:35

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
Isophorone	ND	ug/L		2.8	0.41	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
2-Methyl-4,6-dinitrophenol	ND	ug/L		7.5	1.5	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
2-Methylnaphthalene	ND	ug/L		1.4	0.27	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Naphthalene	ND	ug/L		1.4	0.30	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
2-Nitroaniline	ND	ug/L		2.8	0.69	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
3-Nitroaniline	ND	ug/L		2.8	0.50	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
4-Nitroaniline	ND	ug/L		2.8	0.75	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Nitrobenzene	ND	ug/L		2.8	0.82	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
2-Nitrophenol	ND	ug/L		7.5	0.41	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
4-Nitrophenol	ND	ug/L		7.5	1.1	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
N-Nitroso-di-n-propylamine	ND	ug/L		2.8	0.44	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
N-Nitrosodiphenylamine	ND	ug/L		2.8	0.33	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Pentachlorophenol	ND	ug/L		7.5	1.5	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Phenanthrene	ND	ug/L		1.4	0.32	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Phenol	ND	ug/L		7.5	0.32	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Pyrene	ND	ug/L		1.4	0.31	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
1,2,4-Trichlorobenzene	ND	ug/L		2.8	0.57	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
2,4,5-Trichlorophenol	ND	ug/L		7.5	1.7	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
2,4,6-Trichlorophenol	ND	ug/L		7.5	0.62	SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	105	%		40-125		SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
2-Fluorobiphenyl (S)	90.8	%		50-110		SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Phenol-d5 (S)	37.7	%		13-49		SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Terphenyl-d14 (S)	90.8	%		50-122		SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
Nitrobenzene-d5 (S)	92.8	%		40-110		SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
2-Fluorophenol (S)	59.7	%		20-75		SW846 8270D	7/6/09	GMG	7/8/09 23:21	CHS	C1
METALS											
Antimony, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 10:58	JWK	E2
Arsenic, Dissolved	ND	mg/L		0.0080	0.0026	SW846 6010C	7/14/09	JWK	7/14/09 10:58	JWK	E2
Beryllium, Dissolved	ND	mg/L		0.0040	0.0013	SW846 6010C	7/14/09	JWK	7/14/09 10:58	JWK	E2
Cadmium, Dissolved	ND	mg/L		0.0020	0.00066	SW846 6010C	7/14/09	JWK	7/14/09 10:58	JWK	E2
Chromium, Dissolved	0.0024J	mg/L		0.0050	0.0016	SW846 6010C	7/14/09	JWK	7/14/09 10:58	JWK	E2
Copper, Dissolved	ND	mg/L		0.010	0.0033	SW846 6010C	7/14/09	JWK	7/14/09 10:58	JWK	E2
Lead, Dissolved	0.0070	mg/L		0.0060	0.0020	SW846 6010C	7/14/09	JWK	7/14/09 10:58	JWK	E2
Mercury, Dissolved	ND	mg/L		0.00050	0.000030	SW846 7470A	7/13/09	BLB	7/14/09 15:09	BLB	E1
Nickel, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 10:58	JWK	E2
Selenium, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 10:58	JWK	E2
Silver, Dissolved	ND	mg/L		0.0040	0.0013	SW846 6010C	7/14/09	JWK	7/14/09 10:58	JWK	E2
Thallium, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 10:58	JWK	E2
Zinc, Dissolved	0.018J	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 10:58	JWK	E2

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9796628 Waters (06/29/09)

Lab ID:	**9796628004**	Date Collected:	6/29/2009 11:05	Matrix:	Ground Water
Sample ID:	**MW-4B**	Date Received:	6/29/2009 15:35		

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9796628 Waters (06/29/09)

Lab ID: **9796628005** Date Collected: 6/29/2009 12:00 Matrix: Ground Water

Sample ID: **MW-5S** Date Received: 6/29/2009 15:35

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS											
Acetone	ND	ug/L		10.0	3.1	SW846 8260B			7/10/09 14:07	MES	A
Benzene	ND	ug/L		1.0	0.16	SW846 8260B			7/10/09 14:07	MES	A
Bromochloromethane	ND	ug/L		1.0	0.33	SW846 8260B			7/10/09 14:07	MES	A
Bromodichloromethane	ND	ug/L		1.0	0.23	SW846 8260B			7/10/09 14:07	MES	A
Bromoform	ND	ug/L		1.0	0.28	SW846 8260B			7/10/09 14:07	MES	A
Bromomethane	ND	ug/L		1.0	0.24	SW846 8260B			7/10/09 14:07	MES	A
2-Butanone	ND	ug/L		10.0	2.1	SW846 8260B			7/10/09 14:07	MES	A
Carbon Disulfide	ND	ug/L		1.0	0.12	SW846 8260B			7/10/09 14:07	MES	A
Carbon Tetrachloride	ND	ug/L		1.0	0.25	SW846 8260B			7/10/09 14:07	MES	A
Chlorobenzene	ND	ug/L		1.0	0.16	SW846 8260B			7/10/09 14:07	MES	A
Chlorodibromomethane	ND	ug/L		1.0	0.26	SW846 8260B			7/10/09 14:07	MES	A
Chloroethane	ND	ug/L		1.0	0.19	SW846 8260B			7/10/09 14:07	MES	A
Chloroform	0.79J	ug/L		1.0	0.23	SW846 8260B			7/10/09 14:07	MES	A
Chloromethane	ND	ug/L		1.0	0.16	SW846 8260B			7/10/09 14:07	MES	A
1,2-Dibromo-3-chloropropane	ND	ug/L		7.0	0.96	SW846 8260B			7/10/09 14:07	MES	A
1,2-Dibromoethane	ND	ug/L		1.0	0.30	SW846 8260B			7/10/09 14:07	MES	A
1,1-Dichloroethane	0.60J	ug/L		1.0	0.15	SW846 8260B			7/10/09 14:07	MES	A
1,2-Dichloroethane	ND	ug/L		1.0	0.33	SW846 8260B			7/10/09 14:07	MES	A
1,1-Dichloroethene	ND	ug/L		1.0	0.17	SW846 8260B			7/10/09 14:07	MES	A
cis-1,2-Dichloroethene	2.7	ug/L		1.0	0.17	SW846 8260B			7/10/09 14:07	MES	A
trans-1,2-Dichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			7/10/09 14:07	MES	A
1,2-Dichloropropane	ND	ug/L		1.0	0.23	SW846 8260B			7/10/09 14:07	MES	A
cis-1,3-Dichloropropene	ND	ug/L		1.0	0.18	SW846 8260B			7/10/09 14:07	MES	A
trans-1,3-Dichloropropene	ND	ug/L		1.0	0.14	SW846 8260B			7/10/09 14:07	MES	A
Ethylbenzene	ND	ug/L		1.0	0.23	SW846 8260B			7/10/09 14:07	MES	A
2-Hexanone	ND	ug/L		5.0	0.78	SW846 8260B			7/10/09 14:07	MES	A
4-Methyl-2-Pentanone(MIBK)	ND	ug/L		5.0	0.41	SW846 8260B			7/10/09 14:07	MES	A
Methylene Chloride	ND	ug/L		1.0	0.32	SW846 8260B			7/10/09 14:07	MES	A
Styrene	ND	ug/L		1.0	0.10	SW846 8260B			7/10/09 14:07	MES	A
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0	0.22	SW846 8260B			7/10/09 14:07	MES	A
Tetrachloroethene	1.2	ug/L		1.0	0.28	SW846 8260B			7/10/09 14:07	MES	A
Toluene	ND	ug/L		1.0	0.19	SW846 8260B			7/10/09 14:07	MES	A
Total Xylenes	ND	ug/L		3.0	0.61	SW846 8260B			7/10/09 14:07	MES	A
1,1,1-Trichloroethane	0.56J	ug/L		1.0	0.29	SW846 8260B			7/10/09 14:07	MES	A
1,1,2-Trichloroethane	ND	ug/L		1.0	0.29	SW846 8260B			7/10/09 14:07	MES	A
Trichloroethene	3.8	ug/L		1.0	0.33	SW846 8260B			7/10/09 14:07	MES	A
Vinyl Chloride	ND	ug/L		1.0	0.16	SW846 8260B			7/10/09 14:07	MES	A
o-Xylene	ND	ug/L		1.0	0.24	SW846 8260B			7/10/09 14:07	MES	A
mp-Xylene	ND	ug/L		2.0	0.51	SW846 8260B			7/10/09 14:07	MES	A

Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	98.8	%		62-133	SW846 8260B			7/10/09 14:07	MES	A
Dibromofluoromethane (S)	104	%		78-116	SW846 8260B			7/10/09 14:07	MES	A
4-Bromofluorobenzene (S)	108	%		79-114	SW846 8260B			7/10/09 14:07	MES	A
Toluene-d8 (S)	108	%		76-127	SW846 8260B			7/10/09 14:07	MES	A

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ANALYTICAL RESULTS

Workorder: 9796628 Waters (06/29/09)

Lab ID: **9796628005** Date Collected: 6/29/2009 12:00 Matrix: Ground Water

Sample ID: **MW-5S** Date Received: 6/29/2009 15:35

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES											
Acenaphthene	ND	ug/L		1.4	0.32	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Acenaphthylene	ND	ug/L		1.4	0.34	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Anthracene	ND	ug/L		1.4	0.27	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Benzo(a)anthracene	ND	ug/L		1.4	0.46	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Benzo(a)pyrene	ND	ug/L		1.4	0.33	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Benzo(b)fluoranthene	ND	ug/L		1.4	0.30	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Benzo(g,h,i)perylene	ND	ug/L		1.4	0.32	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Benzo(k)fluoranthene	ND	ug/L		1.4	0.41	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
4-Bromophenyl-phenylether	ND	ug/L		2.9	0.64	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Butylbenzylphthalate	ND	ug/L		2.9	0.34	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Carbazole	ND	ug/L		2.9	0.37	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
4-Chloro-3-methylphenol	ND	ug/L		7.6	0.36	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
4-Chloroaniline	ND	ug/L		2.9	0.51	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Bis(2-Chloroethoxy)methane	ND	ug/L		2.9	0.38	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Bis(2-Chloroethyl)ether	ND	ug/L		2.9	0.39	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
bis(2-Chloroisopropyl)ether	ND	ug/L		2.9	0.54	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
2-Chloronaphthalene	ND	ug/L		2.9	0.50	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
2-Chlorophenol	ND	ug/L		7.6	0.66	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
4-Chlorophenyl-phenylether	ND	ug/L		2.9	0.30	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Chrysene	ND	ug/L		1.4	0.33	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
mp-Cresol	ND	ug/L		7.6	0.46	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
o-Cresol	ND	ug/L		7.6	0.49	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Di-n-Butylphthalate	ND	ug/L		2.9	0.27	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Di-n-Octylphthalate	ND	ug/L		7.6	0.30	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Dibenzo(a,h)anthracene	ND	ug/L		1.4	0.32	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Dibenzofuran	ND	ug/L		2.9	1.1	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
1,2-Dichlorobenzene	ND	ug/L		2.9	0.25	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
1,3-Dichlorobenzene	ND	ug/L		2.9	0.29	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
1,4-Dichlorobenzene	ND	ug/L		2.9	0.27	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
3,3-Dichlorobenzidine	ND	ug/L		7.6	2.5	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
2,4-Dichlorophenol	ND	ug/L		7.6	0.39	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Diethylphthalate	ND	ug/L		7.6	0.36	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
2,4-Dimethylphenol	ND	ug/L		7.6	1.1	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Dimethylphthalate	ND	ug/L		7.6	0.30	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
2,4-Dinitrophenol	ND	ug/L		7.6	2.2	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
2,4-Dinitrotoluene	ND	ug/L		2.9	0.65	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
2,6-Dinitrotoluene	ND	ug/L		2.9	0.65	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
bis(2-Ethylhexyl)phthalate	4.8	ug/L		2.9	0.38	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Fluoranthene	ND	ug/L		1.4	0.37	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Fluorene	ND	ug/L		1.4	0.37	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Hexachlorobenzene	ND	ug/L		2.9	0.41	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Hexachlorobutadiene	ND	ug/L		2.9	0.39	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Hexachlorocyclopentadiene	ND	ug/L		7.6	1.0	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Hexachloroethane	ND	ug/L		2.9	0.42	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Indeno(1,2,3-cd)pyrene	ND	ug/L		1.4	0.26	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1

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ANALYTICAL RESULTS

Workorder: 9796628 Waters (06/29/09)

Lab ID: **9796628005** Date Collected: 6/29/2009 12:00 Matrix: Ground Water

Sample ID: **MW-5S** Date Received: 6/29/2009 15:35

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
Isophorone	ND	ug/L		2.9	0.41	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
2-Methyl-4,6-dinitrophenol	ND	ug/L		7.6	1.5	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
2-Methylnaphthalene	ND	ug/L		1.4	0.28	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Naphthalene	ND	ug/L		1.4	0.30	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
2-Nitroaniline	ND	ug/L		2.9	0.70	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
3-Nitroaniline	ND	ug/L		2.9	0.50	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
4-Nitroaniline	ND	ug/L		2.9	0.75	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Nitrobenzene	ND	ug/L		2.9	0.83	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
2-Nitrophenol	ND	ug/L		7.6	0.41	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
4-Nitrophenol	ND	ug/L		7.6	1.1	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
N-Nitroso-di-n-propylamine	ND	ug/L		2.9	0.45	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
N-Nitrosodiphenylamine	ND	ug/L		2.9	0.33	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Pentachlorophenol	ND	ug/L		7.6	1.5	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Phenanthrene	ND	ug/L		1.4	0.32	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Phenol	ND	ug/L		7.6	0.32	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Pyrene	ND	ug/L		1.4	0.31	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
1,2,4-Trichlorobenzene	ND	ug/L		2.9	0.57	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
2,4,5-Trichlorophenol	ND	ug/L		7.6	1.7	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
2,4,6-Trichlorophenol	ND	ug/L		7.6	0.63	SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	57.5	%		40-125		SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
2-Fluorobiphenyl (S)	82.2	%		50-110		SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Phenol-d5 (S)	22.1	%		13-49		SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Terphenyl-d14 (S)	46.6	%		50-122		SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
Nitrobenzene-d5 (S)	92.5	%		40-110		SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
2-Fluorophenol (S)	33.4	%		20-75		SW846 8270D	7/6/09	GMG	7/9/09 00:11	CHS	C1
METALS											
Antimony, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 11:02	JWK	E2
Arsenic, Dissolved	ND	mg/L		0.0080	0.0026	SW846 6010C	7/14/09	JWK	7/14/09 11:02	JWK	E2
Beryllium, Dissolved	ND	mg/L		0.0040	0.0013	SW846 6010C	7/14/09	JWK	7/14/09 11:02	JWK	E2
Cadmium, Dissolved	ND	mg/L		0.0020	0.00066	SW846 6010C	7/14/09	JWK	7/14/09 11:02	JWK	E2
Chromium, Dissolved	0.0026J	mg/L		0.0050	0.0016	SW846 6010C	7/14/09	JWK	7/14/09 11:02	JWK	E2
Copper, Dissolved	ND	mg/L		0.010	0.0033	SW846 6010C	7/14/09	JWK	7/14/09 11:02	JWK	E2
Lead, Dissolved	0.0028J	mg/L		0.0060	0.0020	SW846 6010C	7/14/09	JWK	7/14/09 11:02	JWK	E2
Mercury, Dissolved	ND	mg/L		0.00050	0.000030	SW846 7470A	7/13/09	BLB	7/14/09 15:13	BLB	E1
Nickel, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 11:02	JWK	E2
Selenium, Dissolved	0.0074J	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 11:02	JWK	E2
Silver, Dissolved	ND	mg/L		0.0040	0.0013	SW846 6010C	7/14/09	JWK	7/14/09 11:02	JWK	E2
Thallium, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 11:02	JWK	E2
Zinc, Dissolved	0.019J	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 11:02	JWK	E2

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9796628 Waters (06/29/09)

Lab ID:	**9796628005**	Date Collected:	6/29/2009 12:00	Matrix:	Ground Water
Sample ID:	**MW-5S**	Date Received:	6/29/2009 15:35		

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr

Matrix interferences were present in this sample which caused one or more surrogates to be recovered outside of the laboratory established control limits for the GC/MS analysis.

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9796628 Waters (06/29/09)

Lab ID: **9796628006** Date Collected: 6/29/2009 12:34 Matrix: Ground Water

Sample ID: **MW-5B** Date Received: 6/29/2009 15:35

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS											
Acetone	ND	ug/L		10.0	3.1	SW846 8260B			7/10/09 14:42	MES	A
Benzene	ND	ug/L		1.0	0.16	SW846 8260B			7/10/09 14:42	MES	A
Bromochloromethane	ND	ug/L		1.0	0.33	SW846 8260B			7/10/09 14:42	MES	A
Bromodichloromethane	ND	ug/L		1.0	0.23	SW846 8260B			7/10/09 14:42	MES	A
Bromoform	ND	ug/L		1.0	0.28	SW846 8260B			7/10/09 14:42	MES	A
Bromomethane	ND	ug/L		1.0	0.24	SW846 8260B			7/10/09 14:42	MES	A
2-Butanone	ND	ug/L		10.0	2.1	SW846 8260B			7/10/09 14:42	MES	A
Carbon Disulfide	ND	ug/L		1.0	0.12	SW846 8260B			7/10/09 14:42	MES	A
Carbon Tetrachloride	ND	ug/L		1.0	0.25	SW846 8260B			7/10/09 14:42	MES	A
Chlorobenzene	ND	ug/L		1.0	0.16	SW846 8260B			7/10/09 14:42	MES	A
Chlorodibromomethane	ND	ug/L		1.0	0.26	SW846 8260B			7/10/09 14:42	MES	A
Chloroethane	ND	ug/L		1.0	0.19	SW846 8260B			7/10/09 14:42	MES	A
Chloroform	0.52J	ug/L		1.0	0.23	SW846 8260B			7/10/09 14:42	MES	A
Chloromethane	ND	ug/L		1.0	0.16	SW846 8260B			7/10/09 14:42	MES	A
1,2-Dibromo-3-chloropropane	ND	ug/L		7.0	0.96	SW846 8260B			7/10/09 14:42	MES	A
1,2-Dibromoethane	ND	ug/L		1.0	0.30	SW846 8260B			7/10/09 14:42	MES	A
1,1-Dichloroethane	ND	ug/L		1.0	0.15	SW846 8260B			7/10/09 14:42	MES	A
1,2-Dichloroethane	ND	ug/L		1.0	0.33	SW846 8260B			7/10/09 14:42	MES	A
1,1-Dichloroethene	ND	ug/L		1.0	0.17	SW846 8260B			7/10/09 14:42	MES	A
cis-1,2-Dichloroethene	1.7	ug/L		1.0	0.17	SW846 8260B			7/10/09 14:42	MES	A
trans-1,2-Dichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			7/10/09 14:42	MES	A
1,2-Dichloropropane	ND	ug/L		1.0	0.23	SW846 8260B			7/10/09 14:42	MES	A
cis-1,3-Dichloropropene	ND	ug/L		1.0	0.18	SW846 8260B			7/10/09 14:42	MES	A
trans-1,3-Dichloropropene	ND	ug/L		1.0	0.14	SW846 8260B			7/10/09 14:42	MES	A
Ethylbenzene	ND	ug/L		1.0	0.23	SW846 8260B			7/10/09 14:42	MES	A
2-Hexanone	ND	ug/L		5.0	0.78	SW846 8260B			7/10/09 14:42	MES	A
4-Methyl-2-Pentanone(MIBK)	ND	ug/L		5.0	0.41	SW846 8260B			7/10/09 14:42	MES	A
Methylene Chloride	ND	ug/L		1.0	0.32	SW846 8260B			7/10/09 14:42	MES	A
Styrene	ND	ug/L		1.0	0.10	SW846 8260B			7/10/09 14:42	MES	A
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0	0.22	SW846 8260B			7/10/09 14:42	MES	A
Tetrachloroethene	0.57J	ug/L		1.0	0.28	SW846 8260B			7/10/09 14:42	MES	A
Toluene	ND	ug/L		1.0	0.19	SW846 8260B			7/10/09 14:42	MES	A
Total Xylenes	ND	ug/L		3.0	0.61	SW846 8260B			7/10/09 14:42	MES	A
1,1,1-Trichloroethane	ND	ug/L		1.0	0.29	SW846 8260B			7/10/09 14:42	MES	A
1,1,2-Trichloroethane	ND	ug/L		1.0	0.29	SW846 8260B			7/10/09 14:42	MES	A
Trichloroethene	2.5	ug/L		1.0	0.33	SW846 8260B			7/10/09 14:42	MES	A
Vinyl Chloride	ND	ug/L		1.0	0.16	SW846 8260B			7/10/09 14:42	MES	A
o-Xylene	ND	ug/L		1.0	0.24	SW846 8260B			7/10/09 14:42	MES	A
mp-Xylene	ND	ug/L		2.0	0.51	SW846 8260B			7/10/09 14:42	MES	A

Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	95.5	%		62-133	SW846 8260B			7/10/09 14:42	MES	A
Toluene-d8 (S)	104	%		76-127	SW846 8260B			7/10/09 14:42	MES	A
4-Bromofluorobenzene (S)	107	%		79-114	SW846 8260B			7/10/09 14:42	MES	A
Dibromofluoromethane (S)	99.2	%		78-116	SW846 8260B			7/10/09 14:42	MES	A

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ANALYTICAL RESULTS

Workorder: 9796628 Waters (06/29/09)

Lab ID: **9796628006** Date Collected: 6/29/2009 12:34 Matrix: Ground Water

Sample ID: **MW-5B** Date Received: 6/29/2009 15:35

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES											
Acenaphthene	ND	ug/L		1.4	0.32	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Acenaphthylene	ND	ug/L		1.4	0.34	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Anthracene	ND	ug/L		1.4	0.26	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Benzo(a)anthracene	ND	ug/L		1.4	0.45	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Benzo(a)pyrene	ND	ug/L		1.4	0.33	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Benzo(b)fluoranthene	ND	ug/L		1.4	0.30	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Benzo(g,h,i)perylene	ND	ug/L		1.4	0.32	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Benzo(k)fluoranthene	ND	ug/L		1.4	0.41	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
4-Bromophenyl-phenylether	ND	ug/L		2.8	0.63	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Butylbenzylphthalate	ND	ug/L		2.8	0.34	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Carbazole	ND	ug/L		2.8	0.37	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
4-Chloro-3-methylphenol	ND	ug/L		7.5	0.36	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
4-Chloroaniline	ND	ug/L		2.8	0.51	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Bis(2-Chloroethoxy)methane	ND	ug/L		2.8	0.38	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Bis(2-Chloroethyl)ether	ND	ug/L		2.8	0.39	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
bis(2-Chloroisopropyl)ether	ND	ug/L		2.8	0.54	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
2-Chloronaphthalene	ND	ug/L		2.8	0.50	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
2-Chlorophenol	ND	ug/L		7.5	0.65	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
4-Chlorophenyl-phenylether	ND	ug/L		2.8	0.30	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Chrysene	ND	ug/L		1.4	0.33	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
mp-Cresol	ND	ug/L		7.5	0.45	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
o-Cresol	ND	ug/L		7.5	0.48	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Di-n-Butylphthalate	ND	ug/L		2.8	0.26	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Di-n-Octylphthalate	ND	ug/L		7.5	0.29	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Dibenzo(a,h)anthracene	ND	ug/L		1.4	0.32	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Dibenzofuran	ND	ug/L		2.8	1.1	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
1,2-Dichlorobenzene	ND	ug/L		2.8	0.25	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
1,3-Dichlorobenzene	ND	ug/L		2.8	0.28	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
1,4-Dichlorobenzene	ND	ug/L		2.8	0.26	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
3,3-Dichlorobenzidine	ND	ug/L		7.5	2.5	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
2,4-Dichlorophenol	ND	ug/L		7.5	0.39	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Diethylphthalate	ND	ug/L		7.5	0.36	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
2,4-Dimethylphenol	ND	ug/L		7.5	1.1	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Dimethylphthalate	ND	ug/L		7.5	0.29	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
2,4-Dinitrophenol	ND	ug/L		7.5	2.2	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
2,4-Dinitrotoluene	ND	ug/L		2.8	0.64	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
2,6-Dinitrotoluene	ND	ug/L		2.8	0.64	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
bis(2-Ethylhexyl)phthalate	ND	ug/L		2.8	0.38	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Fluoranthene	ND	ug/L		1.4	0.37	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Fluorene	ND	ug/L		1.4	0.37	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Hexachlorobenzene	ND	ug/L		2.8	0.41	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Hexachlorobutadiene	ND	ug/L		2.8	0.39	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Hexachlorocyclopentadiene	ND	ug/L		7.5	1.0	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Hexachloroethane	ND	ug/L		2.8	0.42	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Indeno(1,2,3-cd)pyrene	ND	ug/L		1.4	0.25	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1

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ANALYTICAL RESULTS

Workorder: 9796628 Waters (06/29/09)

Lab ID: **9796628006** Date Collected: 6/29/2009 12:34 Matrix: Ground Water

Sample ID: **MW-5B** Date Received: 6/29/2009 15:35

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
Isophorone	ND	ug/L		2.8	0.41	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
2-Methyl-4,6-dinitrophenol	ND	ug/L		7.5	1.5	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
2-Methylnaphthalene	ND	ug/L		1.4	0.27	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Naphthalene	ND	ug/L		1.4	0.30	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
2-Nitroaniline	ND	ug/L		2.8	0.69	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
3-Nitroaniline	ND	ug/L		2.8	0.50	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
4-Nitroaniline	ND	ug/L		2.8	0.75	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Nitrobenzene	ND	ug/L		2.8	0.82	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
2-Nitrophenol	ND	ug/L		7.5	0.41	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
4-Nitrophenol	ND	ug/L		7.5	1.1	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
N-Nitroso-di-n-propylamine	ND	ug/L		2.8	0.44	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
N-Nitrosodiphenylamine	ND	ug/L		2.8	0.33	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Pentachlorophenol	ND	ug/L		7.5	1.5	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Phenanthrene	ND	ug/L		1.4	0.32	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Phenol	ND	ug/L		7.5	0.32	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Pyrene	ND	ug/L		1.4	0.31	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
1,2,4-Trichlorobenzene	ND	ug/L		2.8	0.57	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
2,4,5-Trichlorophenol	ND	ug/L		7.5	1.7	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
2,4,6-Trichlorophenol	ND	ug/L		7.5	0.62	SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	101	%		40-125		SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
2-Fluorobiphenyl (S)	83.4	%		50-110		SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Nitrobenzene-d5 (S)	81.3	%		40-110		SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Terphenyl-d14 (S)	94.2	%		50-122		SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
Phenol-d5 (S)	26.7	%		13-49		SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
2-Fluorophenol (S)	44.4	%		20-75		SW846 8270D	7/6/09	GMG	7/9/09 01:00	CHS	C1
METALS											
Antimony, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 11:07	JWK	E2
Arsenic, Dissolved	ND	mg/L		0.0080	0.0026	SW846 6010C	7/14/09	JWK	7/14/09 11:07	JWK	E2
Beryllium, Dissolved	ND	mg/L		0.0040	0.0013	SW846 6010C	7/14/09	JWK	7/14/09 11:07	JWK	E2
Cadmium, Dissolved	ND	mg/L		0.0020	0.00066	SW846 6010C	7/14/09	JWK	7/14/09 11:07	JWK	E2
Chromium, Dissolved	0.0018J	mg/L		0.0050	0.0016	SW846 6010C	7/14/09	JWK	7/14/09 11:07	JWK	E2
Copper, Dissolved	ND	mg/L		0.010	0.0033	SW846 6010C	7/14/09	JWK	7/14/09 11:07	JWK	E2
Lead, Dissolved	0.0056J	mg/L		0.0060	0.0020	SW846 6010C	7/14/09	JWK	7/14/09 11:07	JWK	E2
Mercury, Dissolved	ND	mg/L		0.00050	0.000030	SW846 7470A	7/13/09	BLB	7/14/09 15:16	BLB	E1
Nickel, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 11:07	JWK	E2
Selenium, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 11:07	JWK	E2
Silver, Dissolved	ND	mg/L		0.0040	0.0013	SW846 6010C	7/14/09	JWK	7/14/09 11:07	JWK	E2
Thallium, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 11:07	JWK	E2
Zinc, Dissolved	0.0094J	mg/L		0.020	0.0066	SW846 6010C	7/14/09	JWK	7/14/09 11:07	JWK	E2

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9796628 Waters (06/29/09)

Lab ID:	**9796628006**	Date Collected:	6/29/2009 12:34	Matrix:	Ground Water
Sample ID:	**MW-5B**	Date Received:	6/29/2009 15:35		

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9796628 Waters (06/29/09)

Lab ID: **9796628007** Date Collected: 6/29/2009 08:00 Matrix: Ground Water

Sample ID: **Trip Blank** Date Received: 6/29/2009 15:35

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS											
Acetone	ND	ug/L		10.0	3.1	SW846 8260B			7/10/09 08:16	MES	A
Benzene	ND	ug/L		1.0	0.16	SW846 8260B			7/10/09 08:16	MES	A
Bromochloromethane	ND	ug/L		1.0	0.33	SW846 8260B			7/10/09 08:16	MES	A
Bromodichloromethane	ND	ug/L		1.0	0.23	SW846 8260B			7/10/09 08:16	MES	A
Bromoform	ND	ug/L		1.0	0.28	SW846 8260B			7/10/09 08:16	MES	A
Bromomethane	ND	ug/L		1.0	0.24	SW846 8260B			7/10/09 08:16	MES	A
2-Butanone	ND	ug/L		10.0	2.1	SW846 8260B			7/10/09 08:16	MES	A
Carbon Disulfide	ND	ug/L		1.0	0.12	SW846 8260B			7/10/09 08:16	MES	A
Carbon Tetrachloride	ND	ug/L		1.0	0.25	SW846 8260B			7/10/09 08:16	MES	A
Chlorobenzene	ND	ug/L		1.0	0.16	SW846 8260B			7/10/09 08:16	MES	A
Chlorodibromomethane	ND	ug/L		1.0	0.26	SW846 8260B			7/10/09 08:16	MES	A
Chloroethane	ND	ug/L		1.0	0.19	SW846 8260B			7/10/09 08:16	MES	A
Chloroform	0.35J	ug/L		1.0	0.23	SW846 8260B			7/10/09 08:16	MES	A
Chloromethane	ND	ug/L		1.0	0.16	SW846 8260B			7/10/09 08:16	MES	A
1,2-Dibromo-3-chloropropane	ND	ug/L		7.0	0.96	SW846 8260B			7/10/09 08:16	MES	A
1,2-Dibromoethane	ND	ug/L		1.0	0.30	SW846 8260B			7/10/09 08:16	MES	A
1,1-Dichloroethane	ND	ug/L		1.0	0.15	SW846 8260B			7/10/09 08:16	MES	A
1,2-Dichloroethane	ND	ug/L		1.0	0.33	SW846 8260B			7/10/09 08:16	MES	A
1,1-Dichloroethene	ND	ug/L		1.0	0.17	SW846 8260B			7/10/09 08:16	MES	A
cis-1,2-Dichloroethene	ND	ug/L		1.0	0.17	SW846 8260B			7/10/09 08:16	MES	A
trans-1,2-Dichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			7/10/09 08:16	MES	A
1,2-Dichloropropane	ND	ug/L		1.0	0.23	SW846 8260B			7/10/09 08:16	MES	A
cis-1,3-Dichloropropene	ND	ug/L		1.0	0.18	SW846 8260B			7/10/09 08:16	MES	A
trans-1,3-Dichloropropene	ND	ug/L		1.0	0.14	SW846 8260B			7/10/09 08:16	MES	A
Ethylbenzene	ND	ug/L		1.0	0.23	SW846 8260B			7/10/09 08:16	MES	A
2-Hexanone	ND	ug/L		5.0	0.78	SW846 8260B			7/10/09 08:16	MES	A
4-Methyl-2-Pentanone(MIBK)	ND	ug/L		5.0	0.41	SW846 8260B			7/10/09 08:16	MES	A
Methylene Chloride	ND	ug/L		1.0	0.32	SW846 8260B			7/10/09 08:16	MES	A
Styrene	ND	ug/L		1.0	0.10	SW846 8260B			7/10/09 08:16	MES	A
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0	0.22	SW846 8260B			7/10/09 08:16	MES	A
Tetrachloroethene	ND	ug/L		1.0	0.28	SW846 8260B			7/10/09 08:16	MES	A
Toluene	ND	ug/L		1.0	0.19	SW846 8260B			7/10/09 08:16	MES	A
Total Xylenes	ND	ug/L		3.0	0.61	SW846 8260B			7/10/09 08:16	MES	A
1,1,1-Trichloroethane	ND	ug/L		1.0	0.29	SW846 8260B			7/10/09 08:16	MES	A
1,1,2-Trichloroethane	ND	ug/L		1.0	0.29	SW846 8260B			7/10/09 08:16	MES	A
Trichloroethene	ND	ug/L		1.0	0.33	SW846 8260B			7/10/09 08:16	MES	A
Vinyl Chloride	ND	ug/L		1.0	0.16	SW846 8260B			7/10/09 08:16	MES	A
o-Xylene	ND	ug/L		1.0	0.24	SW846 8260B			7/10/09 08:16	MES	A
mp-Xylene	ND	ug/L		2.0	0.51	SW846 8260B			7/10/09 08:16	MES	A

Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	101	%		62-133	SW846 8260B			7/10/09 08:16	MES	A
4-Bromofluorobenzene (S)	107	%		79-114	SW846 8260B			7/10/09 08:16	MES	A
Dibromofluoromethane (S)	102	%		78-116	SW846 8260B			7/10/09 08:16	MES	A
Toluene-d8 (S)	108	%		76-127	SW846 8260B			7/10/09 08:16	MES	A

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ANALYTICAL RESULTS

Workorder: 9796628 Waters (06/29/09)

Lab ID:	**9796628007**	Date Collected:	6/29/2009 08:00	Matrix:	Ground Water
Sample ID:	**Trip Blank**	Date Received:	6/29/2009 15:35		

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr

Sample Comments:

Anna G Milliken
Laboratory Manager

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 1
Courier:
Tracking #:
9796628

Co. Name: ARM Group
Contact (Report to): D Butebaugh
Phone:
Address: Hershey PA
Bill to (if different than Report to):
PO#:
Project Name/#: NWT York/07214
ALSI Quote #:
TAT: [X] Normal-Standard TAT is 10-12 business days. [ ] Rush-Subject to ALSI approval and surcharges.
Date Required:
Approved By:
Email? [X] Y dbutebaugh@armgroup.net
Fax? [ ] Y No

**Container Type						G	G	P
**Container Size						VO	L	500
***Preservative						HCl	—	HNO3
ANALYSES/METHOD REQUESTED						TCL VOC	TCL SVOC	PPL Metals (Diss)
Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Enter Number of Containers Per Analysis		
1 MW-3S		6/24	1400	G	W	2	2	1
2 MW-3B		↓	1425	G	W	2	2	1
3 MW-4S		6/29	1029	G	W	2	2	1
4 MW-4B			1105	G	W	2	2	1
5 MW-5S			1200	G	W	2	2	1
6 MW-5B		↓	1234	G	W	2	2	1
7 Trip Blank		6/29	0800	G	W	2		
8								

Cooler Temp: 11
Therm. ID: 5705585
No. of Coolers:
Notes:

Check	Y	N
Correct containers?	✓	
Correct sample volume?	Y	
Correct preservation?	Y	
Headspace/Volatiles?	✓	
Custody seals Present?		✓
(if present) Seals intact?		
Received on Ice?	✓	
COC/Labels complete/accurate?	✓	
Container in good condition?	✓	

Circle appropriate Y or N.

SAMPLED BY (Please Print): D Butebaugh
LOGGED BY (signature): [signature] Date 6/29/09 Time 1658
REVIEWED BY (signature): [signature] Date 07/12/09 Time 2225

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	[signature]	6/29/09	1533	2	[signature]	6/29/09	1535
3				4			
5				6			
7				8			
9				10			

Data Deliverables: [X] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] If yes, format type:
EDDs Required?
SDWA Forms? yes / yes / yes / yes / Other
State Samples Collected In? MD / NJ / NY / PA
Enter PWSID No.
DOD Criteria Required?

ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

*G=Grab; C=Composite **Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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Certificate of Analysis

Project Name:	**NWT YORK PROJECT**	Workorder:	**9801043**
Purchase Order:	**07214**	Workorder ID:	**Groundwaters (07/27/09)**

Mr. Steve Fulton
ARM Group
1129 W. Governor Road
PO Box 797
Hershey, PA 17033

August 13, 2009

Dear Mr. Fulton,

Enclosed are the analytical results for samples received by the laboratory on Monday, July 27, 2009

ALSI is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAP accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALSI.

NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Dan Buterbaugh

.is page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Laboratory Manager

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SAMPLE SUMMARY

Workorder 9801043 Groundwaters (07/27/09) Discard Date: 09/11/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9801043001	MW-5S	Ground Water	7/27/09 09:52	7/27/09 17:10	Dan Buterbaugh
9801043002	MW-5B	Ground Water	7/27/09 10:15	7/27/09 17:10	Dan Buterbaugh
9801043003	MW-4B	Ground Water	7/27/09 11:45	7/27/09 17:10	Dan Buterbaugh
9801043004	MW-4S	Ground Water	7/27/09 11:10	7/27/09 17:10	Dan Buterbaugh
9801043005	MW-3S	Ground Water	7/27/09 14:00	7/27/09 17:10	Dan Buterbaugh
9801043006	MW-3B	Ground Water	7/27/09 14:30	7/27/09 17:10	Dan Buterbaugh
9801043007	MW-2S	Ground Water	7/27/09 13:20	7/27/09 17:10	Dan Buterbaugh
9801043008	Trip Blank	Ground Water	7/27/09 17:10	7/27/09 17:10	Dan Buterbaugh

Workorder Comments:

Notes

-- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
· Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder 9801043 Groundwaters (07/27/09)

Lab ID: **9801043001** Date Collected: 7/27/2009 09:52 Matrix: Ground Water

Sample ID: **MW-5S** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS											
Acetone	ND	ug/L		10.0	3.1	SW846 8260B			8/7/09 08:10	MES	A
Benzene	ND	ug/L		1.0	0.16	SW846 8260B			8/7/09 08:10	MES	A
Bromochloromethane	ND	ug/L		1.0	0.33	SW846 8260B			8/7/09 08:10	MES	A
Bromodichloromethane	ND	ug/L		1.0	0.23	SW846 8260B			8/7/09 08:10	MES	A
Bromoform	ND	ug/L		1.0	0.28	SW846 8260B			8/7/09 08:10	MES	A
Bromomethane	ND	ug/L		1.0	0.24	SW846 8260B			8/7/09 08:10	MES	A
2-Butanone	ND	ug/L		10.0	2.1	SW846 8260B			8/7/09 08:10	MES	A
Carbon Disulfide	ND	ug/L		1.0	0.12	SW846 8260B			8/7/09 08:10	MES	A
Carbon Tetrachloride	ND	ug/L		1.0	0.25	SW846 8260B			8/7/09 08:10	MES	A
Chlorobenzene	ND	ug/L		1.0	0.16	SW846 8260B			8/7/09 08:10	MES	A
Chlorodibromomethane	ND	ug/L		1.0	0.26	SW846 8260B			8/7/09 08:10	MES	A
Chloroethane	ND	ug/L		1.0	0.19	SW846 8260B			8/7/09 08:10	MES	A
Chloroform	ND	ug/L		1.0	0.23	SW846 8260B			8/7/09 08:10	MES	A
Chloromethane	ND	ug/L		1.0	0.16	SW846 8260B			8/7/09 08:10	MES	A
Dibromo-3-ropropane	ND	ug/L		7.0	0.96	SW846 8260B			8/7/09 08:10	MES	A
1,2-Dibromoethane	ND	ug/L		1.0	0.30	SW846 8260B			8/7/09 08:10	MES	A
1,1-Dichloroethane	0.62J	ug/L		1.0	0.15	SW846 8260B			8/7/09 08:10	MES	A
1,2-Dichloroethane	ND	ug/L		1.0	0.33	SW846 8260B			8/7/09 08:10	MES	A
1,1-Dichloroethene	ND	ug/L		1.0	0.17	SW846 8260B			8/7/09 08:10	MES	A
cis-1,2-Dichloroethene	3.2	ug/L		1.0	0.17	SW846 8260B			8/7/09 08:10	MES	A
trans-1,2-Dichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			8/7/09 08:10	MES	A
1,2-Dichloropropane	ND	ug/L		1.0	0.23	SW846 8260B			8/7/09 08:10	MES	A
cis-1,3-Dichloropropene	ND	ug/L		1.0	0.18	SW846 8260B			8/7/09 08:10	MES	A
trans-1,3-Dichloropropene	ND	ug/L		1.0	0.14	SW846 8260B			8/7/09 08:10	MES	A
Ethylbenzene	ND	ug/L		1.0	0.23	SW846 8260B			8/7/09 08:10	MES	A
2-Hexanone	ND	ug/L		5.0	0.78	SW846 8260B			8/7/09 08:10	MES	A
4-Methyl-2-Pentanone(MIBK)	ND	ug/L		5.0	0.41	SW846 8260B			8/7/09 08:10	MES	A
Methylene Chloride	ND	ug/L		1.0	0.32	SW846 8260B			8/7/09 08:10	MES	A
Styrene	ND	ug/L		1.0	0.10	SW846 8260B			8/7/09 08:10	MES	A
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0	0.22	SW846 8260B			8/7/09 08:10	MES	A
Tetrachloroethene	1.5	ug/L		1.0	0.28	SW846 8260B			8/7/09 08:10	MES	A
Toluene	ND	ug/L		1.0	0.19	SW846 8260B			8/7/09 08:10	MES	A
Total Xylenes	ND	ug/L		3.0	0.61	SW846 8260B			8/7/09 08:10	MES	A
1,1,1-Trichloroethane	0.46J	ug/L		1.0	0.29	SW846 8260B			8/7/09 08:10	MES	A
1,1,2-Trichloroethane	ND	ug/L		1.0	0.29	SW846 8260B			8/7/09 08:10	MES	A
Trichloroethene	6.3	ug/L		1.0	0.33	SW846 8260B			8/7/09 08:10	MES	A
Vinyl Chloride	ND	ug/L		1.0	0.16	SW846 8260B			8/7/09 08:10	MES	A
o-Xylene	ND	ug/L		1.0	0.24	SW846 8260B			8/7/09 08:10	MES	A
mp-Xylene	ND	ug/L		2.0	0.51	SW846 8260B			8/7/09 08:10	MES	A

Surrogate Recoveries	*Results*	*Units*	*Footnote*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	86.8	%		62-133	SW846 8260B			8/7/09 08:10	MES	A
omofluorobenzene (S)	89.3	%		79-114	SW846 8260B			8/7/09 08:10	MES	A
Dibromofluoromethane (S)	85.5	%		78-116	SW846 8260B			8/7/09 08:10	MES	A
Toluene-d8 (S)	99.5	%		76-127	SW846 8260B			8/7/09 08:10	MES	A

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ANALYTICAL RESULTS

Workorder 9801043 Groundwaters (07/27/09)

Lab ID: **9801043001** Date Collected: 7/27/2009 09:52 Matrix: Ground Water

Sample ID: **MW-5S** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES											
Acenaphthene	ND	ug/L		1.4	0.33	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Acenaphthylene	ND	ug/L		1.4	0.35	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Anthracene	ND	ug/L		1.4	0.27	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Benzo(a)anthracene	ND	ug/L		1.4	0.46	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Benzo(a)pyrene	ND	ug/L		1.4	0.34	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Benzo(b)fluoranthene	ND	ug/L		1.4	0.31	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Benzo(g,h,i)perylene	ND	ug/L		1.4	0.33	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Benzo(k)fluoranthene	ND	ug/L		1.4	0.41	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
4-Bromophenyl-phenylether	ND	ug/L		2.9	0.64	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Butylbenzylphthalate	ND	ug/L		2.9	0.35	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Carbazole	ND	ug/L		2.9	0.38	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
4-Chloro-3-methylphenol	ND	ug/L		7.7	0.37	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
4-Chloroaniline	ND	ug/L		2.9	0.52	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
'2-Chloroethoxy)methane	ND	ug/L		2.9	0.38	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
(2-Chloroethyl)ether	ND	ug/L		2.9	0.39	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
bis(2-Chloroisopropyl)ether	ND	ug/L		2.9	0.55	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
2-Chloronaphthalene	ND	ug/L		2.9	0.51	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
2-Chlorophenol	ND	ug/L		7.7	0.66	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
4-Chlorophenyl-phenylether	ND	ug/L		2.9	0.31	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Chrysene	ND	ug/L		1.4	0.34	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
mp-Cresol	ND	ug/L		7.7	0.46	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
o-Cresol	ND	ug/L		7.7	0.49	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Di-n-Butylphthalate	ND	ug/L		2.9	0.27	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Di-n-Octylphthalate	ND	ug/L		7.7	0.30	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Dibenzo(a,h)anthracene	ND	ug/L		1.4	0.33	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Dibenzofuran	ND	ug/L		2.9	1.2	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
1,2-Dichlorobenzene	ND	ug/L		2.9	0.25	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
1,3-Dichlorobenzene	ND	ug/L		2.9	0.29	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
1,4-Dichlorobenzene	ND	ug/L		2.9	0.27	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
3,3-Dichlorobenzidine	ND	ug/L		7.7	2.5	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
2,4-Dichlorophenol	ND	ug/L		7.7	0.39	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Diethylphthalate	ND	ug/L		7.7	0.37	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
2,4-Dimethylphenol	ND	ug/L		7.7	1.2	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Dimethylphthalate	ND	ug/L		7.7	0.30	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
2,4-Dinitrophenol	ND	ug/L		7.7	2.2	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
2,4-Dinitrotoluene	ND	ug/L		2.9	0.65	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
2,6-Dinitrotoluene	ND	ug/L		2.9	0.65	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
bis(2-Ethylhexyl)phthalate	ND	ug/L		2.9	0.38	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Fluoranthene	ND	ug/L		1.4	0.38	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Fluorene	ND	ug/L		1.4	0.38	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Hexachlorobenzene	ND	ug/L		2.9	0.41	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Hexachlorobutadiene	ND	ug/L		2.9	0.39	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
achlorocyclopentadiene	ND	ug/L		7.7	1.1	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Hexachloroethane	ND	ug/L		2.9	0.42	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Indeno(1,2,3-cd)pyrene	ND	ug/L		1.4	0.26	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1

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ANALYTICAL RESULTS

Workorder 9801043 Groundwaters (07/27/09)

Lab ID: **9801043001** Date Collected: 7/27/2009 09:52 Matrix: Ground Water

Sample ID: **MW-5S** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
Isophorone	ND	ug/L		2.9	0.41	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
2-Methyl-4,6-dinitrophenol	ND	ug/L		7.7	1.5	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
2-Methylnaphthalene	ND	ug/L		1.4	0.28	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Naphthalene	ND	ug/L		1.4	0.31	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
2-Nitroaniline	ND	ug/L		2.9	0.70	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
3-Nitroaniline	ND	ug/L		2.9	0.51	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
4-Nitroaniline	ND	ug/L		2.9	0.76	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Nitrobenzene	ND	ug/L		2.9	0.84	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
2-Nitrophenol	ND	ug/L		7.7	0.41	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
4-Nitrophenol	ND	ug/L		7.7	1.2	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
N-Nitroso-di-n-propylamine	ND	ug/L		2.9	0.45	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
N-Nitrosodiphenylamine	ND	ug/L		2.9	0.34	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Pentachlorophenol	ND	ug/L		15.4	1.5	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Phenanthrene	ND	ug/L		1.4	0.33	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Phenol	ND	ug/L		7.7	0.33	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Pyrene	ND	ug/L		1.4	0.32	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
1,2,4-Trichlorobenzene	ND	ug/L		2.9	0.58	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
2,4,5-Trichlorophenol	ND	ug/L		7.7	1.7	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
2,4,6-Trichlorophenol	ND	ug/L		7.7	0.63	SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Surrogate Recoveries	*Results*	*Units*	*Footnote*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	78.3	%		40-125		SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Phenol-d5 (S)	33.4	%		13-49		SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Terphenyl-d14 (S)	82.9	%		50-122		SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
Nitrobenzene-d5 (S)	85	%		40-110		SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
2-Fluorobiphenyl (S)	74.9	%		50-110		SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
2-Fluorophenol (S)	49.7	%		20-75		SW846 8270D	7/29/09	CAC	8/5/09 02:37	CHS	C1
METALS											
Antimony, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 14:43	JWK	E4
Arsenic, Dissolved	0.0034J	mg/L		0.0080	0.0026	SW846 6010C	7/30/09	JWK	7/30/09 14:43	JWK	E4
Beryllium, Dissolved	ND	mg/L		0.0040	0.0013	SW846 6010C	7/30/09	JWK	7/30/09 14:43	JWK	E4
Cadmium, Dissolved	ND	mg/L		0.0020	0.00066	SW846 6010C	7/30/09	JWK	7/30/09 14:43	JWK	E4
Chromium, Dissolved	0.0039J	mg/L		0.0050	0.0016	SW846 6010C	7/30/09	JWK	7/30/09 14:43	JWK	E4
Copper, Dissolved	ND	mg/L		0.010	0.0033	SW846 6010C	7/30/09	JWK	7/30/09 14:43	JWK	E4
Lead, Dissolved	ND	mg/L	1	0.0020	0.00066	SW846 6020A	7/28/09	LAM	7/28/09 18:53	LAM	E1
Mercury, Dissolved	0.000039 J	mg/L		0.00050	0.000030	SW846 7470A	8/6/09	BLB	8/6/09 11:59	BLB	E5
Nickel, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 14:43	JWK	E4
Selenium, Dissolved	0.013J	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 14:43	JWK	E4
Silver, Dissolved	ND	mg/L		0.0040	0.0013	SW846 6010C	7/30/09	JWK	7/30/09 14:43	JWK	E4
Thallium, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 14:43	JWK	E4
Zinc, Dissolved	0.063	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 14:43	JWK	E4

Sample Comments:

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ANALYTICAL RESULTS

Workorder 9801043 Groundwaters (07/27/09)

Lab ID:	**9801043001**	Date Collected:	7/27/2009 09:52	Matrix:	Ground Water
Sample ID:	**MW-5S**	Date Received:	7/27/2009 17:10		

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9801043 Groundwaters (07/27/09)

Lab ID: **9801043002** Date Collected: 7/27/2009 10:15 Matrix: Ground Water

Sample ID: **MW-5B** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS											
Acetone	ND	ug/L		10.0	3.1	SW846 8260B			8/7/09 08:46	MES	A
Benzene	ND	ug/L		1.0	0.16	SW846 8260B			8/7/09 08:46	MES	A
Bromochloromethane	ND	ug/L		1.0	0.33	SW846 8260B			8/7/09 08:46	MES	A
Bromodichloromethane	ND	ug/L		1.0	0.23	SW846 8260B			8/7/09 08:46	MES	A
Bromoform	ND	ug/L		1.0	0.28	SW846 8260B			8/7/09 08:46	MES	A
Bromomethane	ND	ug/L		1.0	0.24	SW846 8260B			8/7/09 08:46	MES	A
2-Butanone	ND	ug/L		10.0	2.1	SW846 8260B			8/7/09 08:46	MES	A
Carbon Disulfide	ND	ug/L		1.0	0.12	SW846 8260B			8/7/09 08:46	MES	A
Carbon Tetrachloride	ND	ug/L		1.0	0.25	SW846 8260B			8/7/09 08:46	MES	A
Chlorobenzene	ND	ug/L		1.0	0.16	SW846 8260B			8/7/09 08:46	MES	A
Chlorodibromomethane	ND	ug/L		1.0	0.26	SW846 8260B			8/7/09 08:46	MES	A
Chloroethane	ND	ug/L		1.0	0.19	SW846 8260B			8/7/09 08:46	MES	A
Chloroform	ND	ug/L		1.0	0.23	SW846 8260B			8/7/09 08:46	MES	A
Chloromethane	0.35J	ug/L		1.0	0.16	SW846 8260B			8/7/09 08:46	MES	A
Dibromo-3-ropropane	ND	ug/L		7.0	0.96	SW846 8260B			8/7/09 08:46	MES	A
1,2-Dibromoethane	ND	ug/L		1.0	0.30	SW846 8260B			8/7/09 08:46	MES	A
1,1-Dichloroethane	0.45J	ug/L		1.0	0.15	SW846 8260B			8/7/09 08:46	MES	A
1,2-Dichloroethane	ND	ug/L		1.0	0.33	SW846 8260B			8/7/09 08:46	MES	A
1,1-Dichloroethene	ND	ug/L		1.0	0.17	SW846 8260B			8/7/09 08:46	MES	A
cis-1,2-Dichloroethene	1.7	ug/L		1.0	0.17	SW846 8260B			8/7/09 08:46	MES	A
trans-1,2-Dichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			8/7/09 08:46	MES	A
1,2-Dichloropropane	ND	ug/L		1.0	0.23	SW846 8260B			8/7/09 08:46	MES	A
cis-1,3-Dichloropropene	ND	ug/L		1.0	0.18	SW846 8260B			8/7/09 08:46	MES	A
trans-1,3-Dichloropropene	ND	ug/L		1.0	0.14	SW846 8260B			8/7/09 08:46	MES	A
Ethylbenzene	ND	ug/L		1.0	0.23	SW846 8260B			8/7/09 08:46	MES	A
2-Hexanone	ND	ug/L		5.0	0.78	SW846 8260B			8/7/09 08:46	MES	A
4-Methyl-2-Pentanone(MIBK)	ND	ug/L		5.0	0.41	SW846 8260B			8/7/09 08:46	MES	A
Methylene Chloride	ND	ug/L		1.0	0.32	SW846 8260B			8/7/09 08:46	MES	A
Styrene	ND	ug/L		1.0	0.10	SW846 8260B			8/7/09 08:46	MES	A
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0	0.22	SW846 8260B			8/7/09 08:46	MES	A
Tetrachloroethene	0.55J	ug/L		1.0	0.28	SW846 8260B			8/7/09 08:46	MES	A
Toluene	ND	ug/L		1.0	0.19	SW846 8260B			8/7/09 08:46	MES	A
Total Xylenes	ND	ug/L		3.0	0.61	SW846 8260B			8/7/09 08:46	MES	A
1,1,1-Trichloroethane	ND	ug/L		1.0	0.29	SW846 8260B			8/7/09 08:46	MES	A
1,1,2-Trichloroethane	ND	ug/L		1.0	0.29	SW846 8260B			8/7/09 08:46	MES	A
Trichloroethene	2.9	ug/L		1.0	0.33	SW846 8260B			8/7/09 08:46	MES	A
Vinyl Chloride	ND	ug/L		1.0	0.16	SW846 8260B			8/7/09 08:46	MES	A
o-Xylene	ND	ug/L		1.0	0.24	SW846 8260B			8/7/09 08:46	MES	A
mp-Xylene	ND	ug/L		2.0	0.51	SW846 8260B			8/7/09 08:46	MES	A

Surrogate Recoveries	*Results*	*Units*	*Footnote*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
' ⁻-Dichloroethane-d4 (S)	87.3	%		62-133	SW846 8260B			8/7/09 08:46	MES	A
ıene-d8 (S)	98.9	%		76-127	SW846 8260B			8/7/09 08:46	MES	A
4-Bromofluorobenzene (S)	89.5	%		79-114	SW846 8260B			8/7/09 08:46	MES	A
Dibromofluoromethane (S)	90	%		78-116	SW846 8260B			8/7/09 08:46	MES	A

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ANALYTICAL RESULTS

Workorder 9801043 Groundwaters (07/27/09)

Lab ID: **9801043002** Date Collected: 7/27/2009 10:15 Matrix: Ground Water

Sample ID: **MW-5B** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES											
Acenaphthene	ND	ug/L		1.4	0.32	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Acenaphthylene	ND	ug/L		1.4	0.34	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Anthracene	ND	ug/L		1.4	0.27	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Benzo(a)anthracene	ND	ug/L		1.4	0.45	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Benzo(a)pyrene	ND	ug/L		1.4	0.33	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Benzo(b)fluoranthene	ND	ug/L		1.4	0.30	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Benzo(g,h,i)perylene	ND	ug/L		1.4	0.32	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Benzo(k)fluoranthene	ND	ug/L		1.4	0.41	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
4-Bromophenyl-phenylether	ND	ug/L		2.8	0.64	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Butylbenzylphthalate	ND	ug/L		2.8	0.34	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Carbazole	ND	ug/L		2.8	0.37	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
4-Chloro-3-methylphenol	ND	ug/L		7.6	0.36	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
4-Chloroaniline	ND	ug/L		2.8	0.51	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
(2-Chloroethoxy)methane	ND	ug/L		2.8	0.38	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
(2-Chloroethyl)ether	ND	ug/L		2.8	0.39	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
bis(2-Chloroisopropyl)ether	ND	ug/L		2.8	0.54	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
2-Chloronaphthalene	ND	ug/L		2.8	0.50	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
2-Chlorophenol	ND	ug/L		7.6	0.65	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
4-Chlorophenyl-phenylether	ND	ug/L		2.8	0.30	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Chrysene	ND	ug/L		1.4	0.33	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
mp-Cresol	ND	ug/L		7.6	0.45	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
o-Cresol	ND	ug/L		7.6	0.48	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Di-n-Butylphthalate	ND	ug/L		2.8	0.27	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Di-n-Octylphthalate	ND	ug/L		7.6	0.29	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Dibenzo(a,h)anthracene	ND	ug/L		1.4	0.32	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Dibenzofuran	ND	ug/L		2.8	1.1	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
1,2-Dichlorobenzene	ND	ug/L		2.8	0.25	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
1,3-Dichlorobenzene	ND	ug/L		2.8	0.28	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
1,4-Dichlorobenzene	ND	ug/L		2.8	0.27	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
3,3-Dichlorobenzidine	ND	ug/L		7.6	2.5	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
2,4-Dichlorophenol	ND	ug/L		7.6	0.39	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Diethylphthalate	ND	ug/L		7.6	0.36	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
2,4-Dimethylphenol	ND	ug/L		7.6	1.1	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Dimethylphthalate	ND	ug/L		7.6	0.29	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
2,4-Dinitrophenol	ND	ug/L		7.6	2.2	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
2,4-Dinitrotoluene	ND	ug/L		2.8	0.64	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
2,6-Dinitrotoluene	ND	ug/L		2.8	0.64	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
bis(2-Ethylhexyl)phthalate	0.82J	ug/L		2.8	0.38	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Fluoranthene	ND	ug/L		1.4	0.37	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Fluorene	ND	ug/L		1.4	0.37	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Hexachlorobenzene	ND	ug/L		2.8	0.41	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Hexachlorobutadiene	ND	ug/L		2.8	0.39	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
achlorocyclopentadiene	ND	ug/L		7.6	1.0	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Hexachloroethane	ND	ug/L		2.8	0.42	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Indeno(1,2,3-cd)pyrene	ND	ug/L		1.4	0.26	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1

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ANALYTICAL RESULTS

Workorder 9801043 Groundwaters (07/27/09)

Lab ID: **9801043002** Date Collected: 7/27/2009 10:15 Matrix: Ground Water

Sample ID: **MW-5B** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
Isophorone	ND	ug/L		2.8	0.41	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
2-Methyl-4,6-dinitrophenol	ND	ug/L		7.6	1.5	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
2-Methylnaphthalene	ND	ug/L		1.4	0.27	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Naphthalene	ND	ug/L		1.4	0.30	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
2-Nitroaniline	ND	ug/L		2.8	0.69	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
3-Nitroaniline	ND	ug/L		2.8	0.50	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
4-Nitroaniline	ND	ug/L		2.8	0.75	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Nitrobenzene	ND	ug/L		2.8	0.82	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
2-Nitrophenol	ND	ug/L		7.6	0.41	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
4-Nitrophenol	ND	ug/L		7.6	1.1	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
N-Nitroso-di-n-propylamine	ND	ug/L		2.8	0.45	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
N-Nitrosodiphenylamine	ND	ug/L		2.8	0.33	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Pentachlorophenol	ND	ug/L		15.2	1.5	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Phenanthrene	ND	ug/L		1.4	0.32	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Phenol	ND	ug/L		7.6	0.32	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Pyrene	ND	ug/L		1.4	0.31	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
1,2,4-Trichlorobenzene	ND	ug/L		2.8	0.57	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
2,4,5-Trichlorophenol	ND	ug/L		7.6	1.7	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
2,4,6-Trichlorophenol	ND	ug/L		7.6	0.63	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1

Surrogate Recoveries	*Results*	*Units*	*Footnote*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	71.5	%		40-125	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
2-Fluorobiphenyl (S)	71.4	%		50-110	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Nitrobenzene-d5 (S)	67.1	%		40-110	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Terphenyl-d14 (S)	78.8	%		50-122	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
Phenol-d5 (S)	24.7	%		13-49	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1
2-Fluorophenol (S)	38.7	%		20-75	SW846 8270D	7/29/09	CAC	8/5/09 03:26	CHS	C1

METALS

Antimony, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 14:48	JWK	E2
Arsenic, Dissolved	0.0040J	mg/L		0.0080	0.0026	SW846 6010C	7/30/09	JWK	7/30/09 14:48	JWK	E2
Beryllium, Dissolved	ND	mg/L		0.0040	0.0013	SW846 6010C	7/30/09	JWK	7/30/09 14:48	JWK	E2
Cadmium, Dissolved	ND	mg/L		0.0020	0.00066	SW846 6010C	7/30/09	JWK	7/30/09 14:48	JWK	E2
Chromium, Dissolved	ND	mg/L		0.0050	0.0016	SW846 6010C	7/30/09	JWK	7/30/09 14:48	JWK	E2
Copper, Dissolved	ND	mg/L		0.010	0.0033	SW846 6010C	7/30/09	JWK	7/30/09 14:48	JWK	E2
Lead, Dissolved	ND	mg/L		0.0020	0.00066	SW846 6020A	7/28/09	LAM	7/28/09 19:02	LAM	E1
Mercury, Dissolved	0.000037 J	mg/L		0.00050	0.000030	SW846 7470A	8/6/09	BLB	8/6/09 08:36	BLB	E3
Nickel, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 14:48	JWK	E2
Selenium, Dissolved	0.016J	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 14:48	JWK	E2
Silver, Dissolved	ND	mg/L		0.0040	0.0013	SW846 6010C	7/30/09	JWK	7/30/09 14:48	JWK	E2
Thallium, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 14:48	JWK	E2
Zinc, Dissolved	0.0087J	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 14:48	JWK	E2

Sample Comments:

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ANALYTICAL RESULTS

Workorder 9801043 Groundwaters (07/27/09)

Lab ID:	**9801043002**	Date Collected:	7/27/2009 10:15	Matrix:	Ground Water
Sample ID:	**MW-5B**	Date Received:	7/27/2009 17:10		

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9801043 Groundwaters (07/27/09)

Lab ID: **9801043003** Date Collected: 7/27/2009 11:45 Matrix: Ground Water

Sample ID: **MW-4B** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS											
Acetone	ND	ug/L		10.0	3.1	SW846 8260B			8/7/09 09:21	MES	A
Benzene	ND	ug/L		1.0	0.16	SW846 8260B			8/7/09 09:21	MES	A
Bromochloromethane	ND	ug/L		1.0	0.33	SW846 8260B			8/7/09 09:21	MES	A
Bromodichloromethane	ND	ug/L		1.0	0.23	SW846 8260B			8/7/09 09:21	MES	A
Bromoform	ND	ug/L		1.0	0.28	SW846 8260B			8/7/09 09:21	MES	A
Bromomethane	ND	ug/L		1.0	0.24	SW846 8260B			8/7/09 09:21	MES	A
2-Butanone	ND	ug/L		10.0	2.1	SW846 8260B			8/7/09 09:21	MES	A
Carbon Disulfide	ND	ug/L		1.0	0.12	SW846 8260B			8/7/09 09:21	MES	A
Carbon Tetrachloride	ND	ug/L		1.0	0.25	SW846 8260B			8/7/09 09:21	MES	A
Chlorobenzene	ND	ug/L		1.0	0.16	SW846 8260B			8/7/09 09:21	MES	A
Chlorodibromomethane	ND	ug/L		1.0	0.26	SW846 8260B			8/7/09 09:21	MES	A
Chloroethane	ND	ug/L		1.0	0.19	SW846 8260B			8/7/09 09:21	MES	A
Chloroform	ND	ug/L		1.0	0.23	SW846 8260B			8/7/09 09:21	MES	A
Chloromethane	ND	ug/L		1.0	0.16	SW846 8260B			8/7/09 09:21	MES	A
Dibromo-3-ropropane	ND	ug/L		7.0	0.96	SW846 8260B			8/7/09 09:21	MES	A
1,2-Dibromoethane	ND	ug/L		1.0	0.30	SW846 8260B			8/7/09 09:21	MES	A
1,1-Dichloroethane	0.78J	ug/L		1.0	0.15	SW846 8260B			8/7/09 09:21	MES	A
1,2-Dichloroethane	ND	ug/L		1.0	0.33	SW846 8260B			8/7/09 09:21	MES	A
1,1-Dichloroethene	ND	ug/L		1.0	0.17	SW846 8260B			8/7/09 09:21	MES	A
cis-1,2-Dichloroethene	1.7	ug/L		1.0	0.17	SW846 8260B			8/7/09 09:21	MES	A
trans-1,2-Dichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			8/7/09 09:21	MES	A
1,2-Dichloropropane	ND	ug/L		1.0	0.23	SW846 8260B			8/7/09 09:21	MES	A
cis-1,3-Dichloropropene	ND	ug/L		1.0	0.18	SW846 8260B			8/7/09 09:21	MES	A
trans-1,3-Dichloropropene	ND	ug/L		1.0	0.14	SW846 8260B			8/7/09 09:21	MES	A
Ethylbenzene	ND	ug/L		1.0	0.23	SW846 8260B			8/7/09 09:21	MES	A
2-Hexanone	ND	ug/L		5.0	0.78	SW846 8260B			8/7/09 09:21	MES	A
4-Methyl-2-Pentanone(MIBK)	ND	ug/L		5.0	0.41	SW846 8260B			8/7/09 09:21	MES	A
Methylene Chloride	ND	ug/L		1.0	0.32	SW846 8260B			8/7/09 09:21	MES	A
Styrene	ND	ug/L		1.0	0.10	SW846 8260B			8/7/09 09:21	MES	A
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0	0.22	SW846 8260B			8/7/09 09:21	MES	A
Tetrachloroethene	ND	ug/L		1.0	0.28	SW846 8260B			8/7/09 09:21	MES	A
Toluene	ND	ug/L		1.0	0.19	SW846 8260B			8/7/09 09:21	MES	A
Total Xylenes	ND	ug/L		3.0	0.61	SW846 8260B			8/7/09 09:21	MES	A
1,1,1-Trichloroethane	ND	ug/L		1.0	0.29	SW846 8260B			8/7/09 09:21	MES	A
1,1,2-Trichloroethane	ND	ug/L		1.0	0.29	SW846 8260B			8/7/09 09:21	MES	A
Trichloroethene	3.1	ug/L		1.0	0.33	SW846 8260B			8/7/09 09:21	MES	A
Vinyl Chloride	ND	ug/L		1.0	0.16	SW846 8260B			8/7/09 09:21	MES	A
o-Xylene	ND	ug/L		1.0	0.24	SW846 8260B			8/7/09 09:21	MES	A
mp-Xylene	ND	ug/L		2.0	0.51	SW846 8260B			8/7/09 09:21	MES	A

Surrogate Recoveries	*Results*	*Units*	*Footnote*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
-Dichloroethane-d4 (S)	84.5	%		62-133	SW846 8260B			8/7/09 09:21	MES	A
ene-d8 (S)	98	%		76-127	SW846 8260B			8/7/09 09:21	MES	A
4-Bromofluorobenzene (S)	90.1	%		79-114	SW846 8260B			8/7/09 09:21	MES	A
Dibromofluoromethane (S)	84.4	%		78-116	SW846 8260B			8/7/09 09:21	MES	A

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ANALYTICAL RESULTS

Workorder 9801043 Groundwaters (07/27/09)

Lab ID: **9801043003** Date Collected: 7/27/2009 11:45 Matrix: Ground Water

Sample ID: **MW-4B** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES											
Acenaphthene	ND	ug/L		1.4	0.33	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Acenaphthylene	ND	ug/L		1.4	0.35	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Anthracene	ND	ug/L		1.4	0.27	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Benzo(a)anthracene	ND	ug/L		1.4	0.46	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Benzo(a)pyrene	ND	ug/L		1.4	0.34	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Benzo(b)fluoranthene	ND	ug/L		1.4	0.31	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Benzo(g,h,i)perylene	ND	ug/L		1.4	0.33	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Benzo(k)fluoranthene	ND	ug/L		1.4	0.42	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
4-Bromophenyl-phenylether	ND	ug/L		2.9	0.65	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Butylbenzylphthalate	ND	ug/L		2.9	0.35	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Carbazole	ND	ug/L		2.9	0.38	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
4-Chloro-3-methylphenol	ND	ug/L		7.7	0.37	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
4-Chloroaniline	ND	ug/L		2.9	0.52	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
2-Chloroethoxy)methane	ND	ug/L		2.9	0.39	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
2-Chloroethyl)ether	ND	ug/L		2.9	0.40	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
bis(2-Chloroisopropyl)ether	ND	ug/L		2.9	0.55	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
2-Chloronaphthalene	ND	ug/L		2.9	0.51	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
2-Chlorophenol	ND	ug/L		7.7	0.67	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
4-Chlorophenyl-phenylether	ND	ug/L		2.9	0.31	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Chrysene	ND	ug/L		1.4	0.34	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
mp-Cresol	ND	ug/L		7.7	0.46	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
o-Cresol	ND	ug/L		7.7	0.49	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Di-n-Butylphthalate	ND	ug/L		2.9	0.27	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Di-n-Octylphthalate	ND	ug/L		7.7	0.30	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Dibenzo(a,h)anthracene	ND	ug/L		1.4	0.33	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Dibenzofuran	ND	ug/L		2.9	1.2	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
1,2-Dichlorobenzene	ND	ug/L		2.9	0.25	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
1,3-Dichlorobenzene	ND	ug/L		2.9	0.29	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
1,4-Dichlorobenzene	ND	ug/L		2.9	0.27	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
3,3-Dichlorobenzidine	ND	ug/L		7.7	2.5	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
2,4-Dichlorophenol	ND	ug/L		7.7	0.40	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Diethylphthalate	ND	ug/L		7.7	0.37	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
2,4-Dimethylphenol	ND	ug/L		7.7	1.2	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Dimethylphthalate	2.2J	ug/L		7.7	0.30	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
2,4-Dinitrophenol	ND	ug/L		7.7	2.2	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
2,4-Dinitrotoluene	ND	ug/L		2.9	0.66	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
2,6-Dinitrotoluene	ND	ug/L		2.9	0.66	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
bis(2-Ethylhexyl)phthalate	0.88J	ug/L		2.9	0.39	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Fluoranthene	ND	ug/L		1.4	0.38	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Fluorene	ND	ug/L		1.4	0.38	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Hexachlorobenzene	ND	ug/L		2.9	0.42	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Hexachlorobutadiene	ND	ug/L		2.9	0.40	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
achlorocyclopentadiene	ND	ug/L		7.7	1.1	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Hexachloroethane	ND	ug/L		2.9	0.43	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Indeno(1,2,3-cd)pyrene	ND	ug/L		1.4	0.26	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1

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ANALYTICAL RESULTS

Workorder 9801043 Groundwaters (07/27/09)

Lab ID: **9801043003** Date Collected: 7/27/2009 11:45 Matrix: Ground Water

Sample ID: **MW-4B** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
Isophorone	ND	ug/L		2.9	0.42	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
2-Methyl-4,6-dinitrophenol	ND	ug/L		7.7	1.5	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
2-Methylnaphthalene	ND	ug/L		1.4	0.28	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Naphthalene	ND	ug/L		1.4	0.31	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
2-Nitroaniline	ND	ug/L		2.9	0.71	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
3-Nitroaniline	ND	ug/L		2.9	0.51	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
4-Nitroaniline	ND	ug/L		2.9	0.76	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Nitrobenzene	ND	ug/L		2.9	0.84	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
2-Nitrophenol	ND	ug/L		7.7	0.42	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
4-Nitrophenol	ND	ug/L		7.7	1.2	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
N-Nitroso-di-n-propylamine	ND	ug/L		2.9	0.45	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
N-Nitrosodiphenylamine	ND	ug/L		2.9	0.34	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Pentachlorophenol	ND	ug/L		15.5	1.5	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Phenanthrene	ND	ug/L		1.4	0.33	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Phenol	ND	ug/L		7.7	0.33	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
[illegible]ene	ND	ug/L		1.4	0.32	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
[illegible]-Trichlorobenzene	ND	ug/L		2.9	0.58	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
2,4,5-Trichlorophenol	ND	ug/L		7.7	1.7	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
2,4,6-Trichlorophenol	ND	ug/L		7.7	0.64	SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Surrogate Recoveries	*Results*	*Units*	*Footnote*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	84.8	%		40-125		SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Terphenyl-d14 (S)	86.4	%		50-122		SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
2-Fluorobiphenyl (S)	89.5	%		50-110		SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Nitrobenzene-d5 (S)	101	%		40-110		SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
Phenol-d5 (S)	40.8	%		13-49		SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
2-Fluorophenol (S)	61.3	%		20-75		SW846 8270D	7/29/09	CAC	8/5/09 04:14	CHS	C1
METALS											
Antimony, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 15:01	JWK	E2
Arsenic, Dissolved	0.0041J	mg/L		0.0080	0.0026	SW846 6010C	7/30/09	JWK	7/30/09 15:01	JWK	E2
Beryllium, Dissolved	ND	mg/L		0.0040	0.0013	SW846 6010C	7/30/09	JWK	7/30/09 15:01	JWK	E2
Cadmium, Dissolved	ND	mg/L		0.0020	0.00066	SW846 6010C	7/30/09	JWK	7/30/09 15:01	JWK	E2
Chromium, Dissolved	0.0019J	mg/L		0.0050	0.0016	SW846 6010C	7/30/09	JWK	7/30/09 15:01	JWK	E2
Copper, Dissolved	ND	mg/L		0.010	0.0033	SW846 6010C	7/30/09	JWK	7/30/09 15:01	JWK	E2
Lead, Dissolved	ND	mg/L		0.0020	0.00066	SW846 6020A	7/28/09	LAM	7/28/09 19:04	LAM	E1
Mercury, Dissolved	0.000038 J	mg/L		0.00050	0.000030	SW846 7470A	8/6/09	BLB	8/6/09 08:49	BLB	E3
Nickel, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 15:01	JWK	E2
Selenium, Dissolved	0.0089J	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 15:01	JWK	E2
Silver, Dissolved	ND	mg/L		0.0040	0.0013	SW846 6010C	7/30/09	JWK	7/30/09 15:01	JWK	E2
Thallium, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 15:01	JWK	E2
Zinc, Dissolved	0.0080J	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 15:01	JWK	E2

Sample Comments:

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ANALYTICAL RESULTS

Workorder 9801043 Groundwaters (07/27/09)

Lab ID:	**9801043003**	Date Collected:	7/27/2009 11:45	Matrix:	Ground Water
Sample ID:	**MW-4B**	Date Received:	7/27/2009 17:10		

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9801043 Groundwaters (07/27/09)

Lab ID: **9801043004** Date Collected: 7/27/2009 11:10 Matrix: Ground Water

Sample ID: **MW-4S** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS											
Acetone	ND	ug/L		10.0	3.1	SW846 8260B			8/7/09 09:56	MES	A
Benzene	ND	ug/L		1.0	0.16	SW846 8260B			8/7/09 09:56	MES	A
Bromochloromethane	ND	ug/L		1.0	0.33	SW846 8260B			8/7/09 09:56	MES	A
Bromodichloromethane	ND	ug/L		1.0	0.23	SW846 8260B			8/7/09 09:56	MES	A
Bromoform	ND	ug/L		1.0	0.28	SW846 8260B			8/7/09 09:56	MES	A
Bromomethane	ND	ug/L		1.0	0.24	SW846 8260B			8/7/09 09:56	MES	A
2-Butanone	ND	ug/L		10.0	2.1	SW846 8260B			8/7/09 09:56	MES	A
Carbon Disulfide	ND	ug/L		1.0	0.12	SW846 8260B			8/7/09 09:56	MES	A
Carbon Tetrachloride	ND	ug/L		1.0	0.25	SW846 8260B			8/7/09 09:56	MES	A
Chlorobenzene	ND	ug/L		1.0	0.16	SW846 8260B			8/7/09 09:56	MES	A
Chlorodibromomethane	ND	ug/L		1.0	0.26	SW846 8260B			8/7/09 09:56	MES	A
Chloroethane	ND	ug/L		1.0	0.19	SW846 8260B			8/7/09 09:56	MES	A
Chloroform	ND	ug/L		1.0	0.23	SW846 8260B			8/7/09 09:56	MES	A
Chloromethane	ND	ug/L		1.0	0.16	SW846 8260B			8/7/09 09:56	MES	A
Dibromo-3-ropropane	ND	ug/L		7.0	0.96	SW846 8260B			8/7/09 09:56	MES	A
1,2-Dibromoethane	ND	ug/L		1.0	0.30	SW846 8260B			8/7/09 09:56	MES	A
1,1-Dichloroethane	ND	ug/L		1.0	0.15	SW846 8260B			8/7/09 09:56	MES	A
1,2-Dichloroethane	ND	ug/L		1.0	0.33	SW846 8260B			8/7/09 09:56	MES	A
1,1-Dichloroethene	ND	ug/L		1.0	0.17	SW846 8260B			8/7/09 09:56	MES	A
cis-1,2-Dichloroethene	0.47J	ug/L		1.0	0.17	SW846 8260B			8/7/09 09:56	MES	A
trans-1,2-Dichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			8/7/09 09:56	MES	A
1,2-Dichloropropane	ND	ug/L		1.0	0.23	SW846 8260B			8/7/09 09:56	MES	A
cis-1,3-Dichloropropene	ND	ug/L		1.0	0.18	SW846 8260B			8/7/09 09:56	MES	A
trans-1,3-Dichloropropene	ND	ug/L		1.0	0.14	SW846 8260B			8/7/09 09:56	MES	A
Ethylbenzene	ND	ug/L		1.0	0.23	SW846 8260B			8/7/09 09:56	MES	A
2-Hexanone	ND	ug/L		5.0	0.78	SW846 8260B			8/7/09 09:56	MES	A
4-Methyl-2-Pentanone(MIBK)	ND	ug/L		5.0	0.41	SW846 8260B			8/7/09 09:56	MES	A
Methylene Chloride	ND	ug/L		1.0	0.32	SW846 8260B			8/7/09 09:56	MES	A
Styrene	ND	ug/L		1.0	0.10	SW846 8260B			8/7/09 09:56	MES	A
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0	0.22	SW846 8260B			8/7/09 09:56	MES	A
Tetrachloroethene	ND	ug/L		1.0	0.28	SW846 8260B			8/7/09 09:56	MES	A
Toluene	ND	ug/L		1.0	0.19	SW846 8260B			8/7/09 09:56	MES	A
Total Xylenes	ND	ug/L		3.0	0.61	SW846 8260B			8/7/09 09:56	MES	A
1,1,1-Trichloroethane	ND	ug/L		1.0	0.29	SW846 8260B			8/7/09 09:56	MES	A
1,1,2-Trichloroethane	ND	ug/L		1.0	0.29	SW846 8260B			8/7/09 09:56	MES	A
Trichloroethene	1.8	ug/L		1.0	0.33	SW846 8260B			8/7/09 09:56	MES	A
Vinyl Chloride	ND	ug/L		1.0	0.16	SW846 8260B			8/7/09 09:56	MES	A
o-Xylene	ND	ug/L		1.0	0.24	SW846 8260B			8/7/09 09:56	MES	A
mp-Xylene	ND	ug/L		2.0	0.51	SW846 8260B			8/7/09 09:56	MES	A

Surrogate Recoveries	*Results*	*Units*	*Footnote*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Dichloroethane-d4 (S)	84.2	%		62-133	SW846 8260B			8/7/09 09:56	MES	A
ene-d8 (S)	100	%		76-127	SW846 8260B			8/7/09 09:56	MES	A
4-Bromofluorobenzene (S)	90.4	%		79-114	SW846 8260B			8/7/09 09:56	MES	A
Dibromofluoromethane (S)	84.2	%		78-116	SW846 8260B			8/7/09 09:56	MES	A

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ANALYTICAL RESULTS

Workorder 9801043 Groundwaters (07/27/09)

Lab ID: **9801043004** Date Collected: 7/27/2009 11:10 Matrix: Ground Water

Sample ID: **MW-4S** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES											
Acenaphthene	ND	ug/L		1.4	0.33	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
Acenaphthylene	ND	ug/L		1.4	0.35	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
Anthracene	ND	ug/L		1.4	0.27	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
Benzo(a)anthracene	ND	ug/L		1.4	0.46	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
Benzo(a)pyrene	ND	ug/L		1.4	0.34	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
Benzo(b)fluoranthene	ND	ug/L		1.4	0.31	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
Benzo(g,h,i)perylene	ND	ug/L		1.4	0.33	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
Benzo(k)fluoranthene	ND	ug/L		1.4	0.42	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
4-Bromophenyl-phenylether	ND	ug/L		2.9	0.65	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
Butylbenzylphthalate	ND	ug/L		2.9	0.35	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
Carbazole	ND	ug/L		2.9	0.38	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
4-Chloro-3-methylphenol	ND	ug/L		7.7	0.37	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
4-Chloroaniline	ND	ug/L		2.9	0.52	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
?-Chloroethoxy)methane	ND	ug/L		2.9	0.39	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
,2-Chloroethyl)ether	ND	ug/L		2.9	0.40	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
bis(2-Chloroisopropyl)ether	ND	ug/L		2.9	0.55	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
2-Chloronaphthalene	ND	ug/L		2.9	0.51	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
2-Chlorophenol	ND	ug/L		7.7	0.67	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
4-Chlorophenyl-phenylether	ND	ug/L		2.9	0.31	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
Chrysene	ND	ug/L		1.4	0.34	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
mp-Cresol	ND	ug/L		7.7	0.46	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
o-Cresol	ND	ug/L		7.7	0.49	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
Di-n-Butylphthalate	ND	ug/L		2.9	0.27	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
Di-n-Octylphthalate	ND	ug/L		7.7	0.30	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
Dibenzo(a,h)anthracene	ND	ug/L		1.4	0.33	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
Dibenzofuran	ND	ug/L		2.9	1.2	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
1,2-Dichlorobenzene	ND	ug/L		2.9	0.25	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
1,3-Dichlorobenzene	ND	ug/L		2.9	0.29	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
1,4-Dichlorobenzene	ND	ug/L		2.9	0.27	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
3,3-Dichlorobenzidine	ND	ug/L		7.7	2.5	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
2,4-Dichlorophenol	ND	ug/L		7.7	0.40	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
Diethylphthalate	ND	ug/L		7.7	0.37	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
2,4-Dimethylphenol	ND	ug/L		7.7	1.2	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
Dimethylphthalate	ND	ug/L		7.7	0.30	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
2,4-Dinitrophenol	ND	ug/L		7.7	2.2	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
2,4-Dinitrotoluene	ND	ug/L		2.9	0.66	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
2,6-Dinitrotoluene	ND	ug/L		2.9	0.66	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
bis(2-Ethylhexyl)phthalate	ND	ug/L		2.9	0.39	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
Fluoranthene	ND	ug/L		1.4	0.38	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
Fluorene	ND	ug/L		1.4	0.38	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
Hexachlorobenzene	ND	ug/L		2.9	0.42	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
' ' ·achlorobutadiene	ND	ug/L		2.9	0.40	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
achlorocyclopentadiene	ND	ug/L		7.7	1.1	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
Hexachloroethane	ND	ug/L		2.9	0.43	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
Indeno(1,2,3-cd)pyrene	ND	ug/L		1.4	0.26	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1

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ANALYTICAL RESULTS

Workorder 9801043 Groundwaters (07/27/09)

Lab ID: **9801043004** Date Collected: 7/27/2009 11:10 Matrix: Ground Water

Sample ID: **MW-4S** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
Isophorone	ND	ug/L		2.9	0.42	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
2-Methyl-4,6-dinitrophenol	ND	ug/L		7.7	1.5	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
2-Methylnaphthalene	ND	ug/L		1.4	0.28	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
Naphthalene	ND	ug/L		1.4	0.31	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
2-Nitroaniline	ND	ug/L		2.9	0.71	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
3-Nitroaniline	ND	ug/L		2.9	0.51	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
4-Nitroaniline	ND	ug/L		2.9	0.76	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
Nitrobenzene	ND	ug/L		2.9	0.84	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
2-Nitrophenol	ND	ug/L		7.7	0.42	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
4-Nitrophenol	ND	ug/L		7.7	1.2	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
N-Nitroso-di-n-propylamine	ND	ug/L		2.9	0.45	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
N-Nitrosodiphenylamine	ND	ug/L		2.9	0.34	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
Pentachlorophenol	ND	ug/L		15.5	1.5	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
Phenanthrene	ND	ug/L		1.4	0.33	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
Phenol	ND	ug/L		7.7	0.33	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
[illegible]ene	ND	ug/L		1.4	0.32	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
[illegible]4-Trichlorobenzene	ND	ug/L		2.9	0.58	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
2,4,5-Trichlorophenol	ND	ug/L		7.7	1.7	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
2,4,6-Trichlorophenol	ND	ug/L		7.7	0.64	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1

Surrogate Recoveries	*Results*	*Units*	*Footnote*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	71.7	%		40-125	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
2-Fluorobiphenyl (S)	79.6	%		50-110	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
2-Fluorophenol (S)	46.6	%		20-75	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
Nitrobenzene-d5 (S)	85.8	%		40-110	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
Phenol-d5 (S)	32	%		13-49	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1
Terphenyl-d14 (S)	65.1	%		50-122	SW846 8270D	7/29/09	CAC	8/5/09 05:02	CHS	C1

METALS

Antimony, Dissolved	ND	mg/L	0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 15:05	JWK	E2
Arsenic, Dissolved	0.0066J	mg/L	0.0080	0.0026	SW846 6010C	7/30/09	JWK	7/30/09 15:05	JWK	E2
Beryllium, Dissolved	ND	mg/L	0.0040	0.0013	SW846 6010C	7/30/09	JWK	7/30/09 15:05	JWK	E2
Cadmium, Dissolved	0.0011J	mg/L	0.0020	0.00066	SW846 6010C	7/30/09	JWK	7/30/09 15:05	JWK	E2
Chromium, Dissolved	0.0045J	mg/L	0.0050	0.0016	SW846 6010C	7/30/09	JWK	7/30/09 15:05	JWK	E2
Copper, Dissolved	ND	mg/L	0.010	0.0033	SW846 6010C	7/30/09	JWK	7/30/09 15:05	JWK	E2
Lead, Dissolved	ND	mg/L	0.0020	0.00066	SW846 6020A	7/28/09	LAM	7/28/09 19:07	LAM	E1
Mercury, Dissolved	0.000044 J	mg/L	0.00050	0.000030	SW846 7470A	8/6/09	BLB	8/6/09 08:52	BLB	E3
Nickel, Dissolved	0.014J	mg/L	0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 15:05	JWK	E2
Selenium, Dissolved	0.0099J	mg/L	0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 15:05	JWK	E2
Silver, Dissolved	ND	mg/L	0.0040	0.0013	SW846 6010C	7/30/09	JWK	7/30/09 15:05	JWK	E2
Thallium, Dissolved	ND	mg/L	0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 15:05	JWK	E2
Zinc, Dissolved	0.044	mg/L	0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 15:05	JWK	E2

Sample Comments:

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ANALYTICAL RESULTS

Workorder 9801043 Groundwaters (07/27/09)

Lab ID:	**9801043004**	Date Collected:	7/27/2009 11:10	Matrix:	Ground Water
Sample ID:	**MW-4S**	Date Received:	7/27/2009 17:10		

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9801043 Groundwaters (07/27/09)

Lab ID: **9801043005** Date Collected: 7/27/2009 14:00 Matrix: Ground Water

Sample ID: **MW-3S** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS											
Acetone	ND	ug/L		10.0	3.1	SW846 8260B			8/7/09 10:31	MES	A
Benzene	ND	ug/L		1.0	0.16	SW846 8260B			8/7/09 10:31	MES	A
Bromochloromethane	ND	ug/L		1.0	0.33	SW846 8260B			8/7/09 10:31	MES	A
Bromodichloromethane	ND	ug/L		1.0	0.23	SW846 8260B			8/7/09 10:31	MES	A
Bromoform	ND	ug/L		1.0	0.28	SW846 8260B			8/7/09 10:31	MES	A
Bromomethane	ND	ug/L		1.0	0.24	SW846 8260B			8/7/09 10:31	MES	A
2-Butanone	ND	ug/L		10.0	2.1	SW846 8260B			8/7/09 10:31	MES	A
Carbon Disulfide	ND	ug/L		1.0	0.12	SW846 8260B			8/7/09 10:31	MES	A
Carbon Tetrachloride	ND	ug/L		1.0	0.25	SW846 8260B			8/7/09 10:31	MES	A
Chlorobenzene	ND	ug/L		1.0	0.16	SW846 8260B			8/7/09 10:31	MES	A
Chlorodibromomethane	ND	ug/L		1.0	0.26	SW846 8260B			8/7/09 10:31	MES	A
Chloroethane	ND	ug/L		1.0	0.19	SW846 8260B			8/7/09 10:31	MES	A
Chloroform	ND	ug/L		1.0	0.23	SW846 8260B			8/7/09 10:31	MES	A
Chloromethane	ND	ug/L		1.0	0.16	SW846 8260B			8/7/09 10:31	MES	A
Dibromo-3-ropropane	ND	ug/L		7.0	0.96	SW846 8260B			8/7/09 10:31	MES	A
1,2-Dibromoethane	ND	ug/L		1.0	0.30	SW846 8260B			8/7/09 10:31	MES	A
1,1-Dichloroethane	ND	ug/L		1.0	0.15	SW846 8260B			8/7/09 10:31	MES	A
1,2-Dichloroethane	ND	ug/L		1.0	0.33	SW846 8260B			8/7/09 10:31	MES	A
1,1-Dichloroethene	ND	ug/L		1.0	0.17	SW846 8260B			8/7/09 10:31	MES	A
cis-1,2-Dichloroethene	ND	ug/L		1.0	0.17	SW846 8260B			8/7/09 10:31	MES	A
trans-1,2-Dichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			8/7/09 10:31	MES	A
1,2-Dichloropropane	ND	ug/L		1.0	0.23	SW846 8260B			8/7/09 10:31	MES	A
cis-1,3-Dichloropropene	ND	ug/L		1.0	0.18	SW846 8260B			8/7/09 10:31	MES	A
trans-1,3-Dichloropropene	ND	ug/L		1.0	0.14	SW846 8260B			8/7/09 10:31	MES	A
Ethylbenzene	ND	ug/L		1.0	0.23	SW846 8260B			8/7/09 10:31	MES	A
2-Hexanone	ND	ug/L		5.0	0.78	SW846 8260B			8/7/09 10:31	MES	A
4-Methyl-2-Pentanone(MIBK)	ND	ug/L		5.0	0.41	SW846 8260B			8/7/09 10:31	MES	A
Methylene Chloride	ND	ug/L		1.0	0.32	SW846 8260B			8/7/09 10:31	MES	A
Styrene	ND	ug/L		1.0	0.10	SW846 8260B			8/7/09 10:31	MES	A
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0	0.22	SW846 8260B			8/7/09 10:31	MES	A
Tetrachloroethene	0.47J	ug/L		1.0	0.28	SW846 8260B			8/7/09 10:31	MES	A
Toluene	ND	ug/L		1.0	0.19	SW846 8260B			8/7/09 10:31	MES	A
Total Xylenes	ND	ug/L		3.0	0.61	SW846 8260B			8/7/09 10:31	MES	A
1,1,1-Trichloroethane	ND	ug/L		1.0	0.29	SW846 8260B			8/7/09 10:31	MES	A
1,1,2-Trichloroethane	ND	ug/L		1.0	0.29	SW846 8260B			8/7/09 10:31	MES	A
Trichloroethene	ND	ug/L		1.0	0.33	SW846 8260B			8/7/09 10:31	MES	A
Vinyl Chloride	ND	ug/L		1.0	0.16	SW846 8260B			8/7/09 10:31	MES	A
o-Xylene	ND	ug/L		1.0	0.24	SW846 8260B			8/7/09 10:31	MES	A
mp-Xylene	ND	ug/L		2.0	0.51	SW846 8260B			8/7/09 10:31	MES	A

Surrogate Recoveries	*Results*	*Units*	*Footnote*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
-Dichloroethane-d4 (S)	84.1	%		62-133	SW846 8260B			8/7/09 10:31	MES	A
ene-d8 (S)	97.9	%		76-127	SW846 8260B			8/7/09 10:31	MES	A
4-Bromofluorobenzene (S)	89.4	%		79-114	SW846 8260B			8/7/09 10:31	MES	A
Dibromofluoromethane (S)	83.9	%		78-116	SW846 8260B			8/7/09 10:31	MES	A

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ANALYTICAL RESULTS

Workorder 9801043 Groundwaters (07/27/09)

Lab ID: **9801043005** Date Collected: 7/27/2009 14:00 Matrix: Ground Water

Sample ID: **MW-3S** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES											
Acenaphthene	ND	ug/L		1.4	0.33	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Acenaphthylene	ND	ug/L		1.4	0.34	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Anthracene	ND	ug/L		1.4	0.27	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Benzo(a)anthracene	ND	ug/L		1.4	0.46	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Benzo(a)pyrene	ND	ug/L		1.4	0.33	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Benzo(b)fluoranthene	ND	ug/L		1.4	0.31	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Benzo(g,h,i)perylene	ND	ug/L		1.4	0.33	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Benzo(k)fluoranthene	ND	ug/L		1.4	0.41	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
4-Bromophenyl-phenylether	ND	ug/L		2.9	0.64	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Butylbenzylphthalate	ND	ug/L		2.9	0.34	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Carbazole	ND	ug/L		2.9	0.37	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
4-Chloro-3-methylphenol	ND	ug/L		7.7	0.36	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
4-Chloroaniline	ND	ug/L		2.9	0.52	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
?-Chloroethoxy)methane	ND	ug/L		2.9	0.38	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
,2-Chloroethyl)ether	ND	ug/L		2.9	0.39	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
bis(2-Chloroisopropyl)ether	ND	ug/L		2.9	0.55	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
2-Chloronaphthalene	ND	ug/L		2.9	0.51	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
2-Chlorophenol	ND	ug/L		7.7	0.66	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
4-Chlorophenyl-phenylether	ND	ug/L		2.9	0.31	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Chrysene	ND	ug/L		1.4	0.33	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
mp-Cresol	ND	ug/L		7.7	0.46	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
o-Cresol	ND	ug/L		7.7	0.49	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Di-n-Butylphthalate	ND	ug/L		2.9	0.27	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Di-n-Octylphthalate	ND	ug/L		7.7	0.30	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Dibenzo(a,h)anthracene	ND	ug/L		1.4	0.33	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Dibenzofuran	ND	ug/L		2.9	1.1	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
1,2-Dichlorobenzene	ND	ug/L		2.9	0.25	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
1,3-Dichlorobenzene	ND	ug/L		2.9	0.29	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
1,4-Dichlorobenzene	ND	ug/L		2.9	0.27	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
3,3-Dichlorobenzidine	ND	ug/L		7.7	2.5	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
2,4-Dichlorophenol	ND	ug/L		7.7	0.39	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Diethylphthalate	ND	ug/L		7.7	0.36	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
2,4-Dimethylphenol	ND	ug/L		7.7	1.1	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Dimethylphthalate	ND	ug/L		7.7	0.30	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
2,4-Dinitrophenol	ND	ug/L		7.7	2.2	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
2,4-Dinitrotoluene	ND	ug/L		2.9	0.65	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
2,6-Dinitrotoluene	ND	ug/L		2.9	0.65	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
bis(2-Ethylhexyl)phthalate	ND	ug/L		2.9	0.38	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Fluoranthene	ND	ug/L		1.4	0.37	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Fluorene	ND	ug/L		1.4	0.37	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Hexachlorobenzene	ND	ug/L		2.9	0.41	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
' ' xachlorobutadiene	ND	ug/L		2.9	0.39	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
achlorocyclopentadiene	ND	ug/L		7.7	1.1	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Hexachloroethane	ND	ug/L		2.9	0.42	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Indeno(1,2,3-cd)pyrene	ND	ug/L		1.4	0.26	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1

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ANALYTICAL RESULTS

Workorder 9801043 Groundwaters (07/27/09)

Lab ID: **9801043005** Date Collected: 7/27/2009 14:00 Matrix: Ground Water

Sample ID: **MW-3S** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
Isophorone	ND	ug/L		2.9	0.41	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
2-Methyl-4,6-dinitrophenol	ND	ug/L		7.7	1.5	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
2-Methylnaphthalene	ND	ug/L		1.4	0.28	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Naphthalene	ND	ug/L		1.4	0.31	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
2-Nitroaniline	ND	ug/L		2.9	0.70	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
3-Nitroaniline	ND	ug/L		2.9	0.51	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
4-Nitroaniline	ND	ug/L		2.9	0.76	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Nitrobenzene	ND	ug/L		2.9	0.83	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
2-Nitrophenol	ND	ug/L		7.7	0.41	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
4-Nitrophenol	ND	ug/L		7.7	1.1	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
N-Nitroso-di-n-propylamine	ND	ug/L		2.9	0.45	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
N-Nitrosodiphenylamine	ND	ug/L		2.9	0.33	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Pentachlorophenol	ND	ug/L		15.3	1.5	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Phenanthrene	ND	ug/L		1.4	0.33	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Phenol	ND	ug/L		7.7	0.33	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
[illegible]ene	ND	ug/L		1.4	0.32	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
[illegible]-Trichlorobenzene	ND	ug/L		2.9	0.57	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
2,4,5-Trichlorophenol	ND	ug/L		7.7	1.7	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
2,4,6-Trichlorophenol	ND	ug/L		7.7	0.63	SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Surrogate Recoveries	*Results*	*Units*	*Footnote*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	78.9	%		40-125		SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Terphenyl-d14 (S)	85.3	%		50-122		SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
2-Fluorobiphenyl (S)	88.4	%		50-110		SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Nitrobenzene-d5 (S)	97	%		40-110		SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
Phenol-d5 (S)	37	%		13-49		SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
2-Fluorophenol (S)	57.6	%		20-75		SW846 8270D	7/29/09	CAC	8/5/09 05:50	CHS	C1
METALS											
Antimony, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 15:09	JWK	E2
Arsenic, Dissolved	0.0037J	mg/L		0.0080	0.0026	SW846 6010C	7/30/09	JWK	7/30/09 15:09	JWK	E2
Beryllium, Dissolved	ND	mg/L		0.0040	0.0013	SW846 6010C	7/30/09	JWK	7/30/09 15:09	JWK	E2
Cadmium, Dissolved	ND	mg/L		0.0020	0.00066	SW846 6010C	7/30/09	JWK	7/30/09 15:09	JWK	E2
Chromium, Dissolved	0.0022J	mg/L		0.0050	0.0016	SW846 6010C	7/30/09	JWK	7/30/09 15:09	JWK	E2
Copper, Dissolved	ND	mg/L		0.010	0.0033	SW846 6010C	7/30/09	JWK	7/30/09 15:09	JWK	E2
Lead, Dissolved	ND	mg/L		0.0020	0.00066	SW846 6020A	7/28/09	LAM	7/28/09 19:13	LAM	E1
Mercury, Dissolved	0.000037 J	mg/L		0.00050	0.000030	SW846 7470A	8/6/09	BLB	8/6/09 09:03	BLB	E3
Nickel, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 15:09	JWK	E2
Selenium, Dissolved	0.011J	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 15:09	JWK	E2
Silver, Dissolved	ND	mg/L		0.0040	0.0013	SW846 6010C	7/30/09	JWK	7/30/09 15:09	JWK	E2
Thallium, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 15:09	JWK	E2
Zinc, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 15:09	JWK	E2

Sample Comments:

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ANALYTICAL RESULTS

Workorder 9801043 Groundwaters (07/27/09)

Lab ID:	**9801043005**	Date Collected:	7/27/2009 14:00	Matrix:	Ground Water
Sample ID:	**MW-3S**	Date Received:	7/27/2009 17:10		

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9801043 Groundwaters (07/27/09)

Lab ID: **9801043006** Date Collected: 7/27/2009 14:30 Matrix: Ground Water

Sample ID: **MW-3B** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS											
Acetone	ND	ug/L		10.0	3.1	SW846 8260B			8/7/09 11:06	MES	A
Benzene	ND	ug/L		1.0	0.16	SW846 8260B			8/7/09 11:06	MES	A
Bromochloromethane	ND	ug/L		1.0	0.33	SW846 8260B			8/7/09 11:06	MES	A
Bromodichloromethane	ND	ug/L		1.0	0.23	SW846 8260B			8/7/09 11:06	MES	A
Bromoform	ND	ug/L		1.0	0.28	SW846 8260B			8/7/09 11:06	MES	A
Bromomethane	ND	ug/L		1.0	0.24	SW846 8260B			8/7/09 11:06	MES	A
2-Butanone	ND	ug/L		10.0	2.1	SW846 8260B			8/7/09 11:06	MES	A
Carbon Disulfide	1.6	ug/L		1.0	0.12	SW846 8260B			8/7/09 11:06	MES	A
Carbon Tetrachloride	ND	ug/L		1.0	0.25	SW846 8260B			8/7/09 11:06	MES	A
Chlorobenzene	ND	ug/L		1.0	0.16	SW846 8260B			8/7/09 11:06	MES	A
Chlorodibromomethane	ND	ug/L		1.0	0.26	SW846 8260B			8/7/09 11:06	MES	A
Chloroethane	ND	ug/L		1.0	0.19	SW846 8260B			8/7/09 11:06	MES	A
Chloroform	ND	ug/L		1.0	0.23	SW846 8260B			8/7/09 11:06	MES	A
Chloromethane	ND	ug/L		1.0	0.16	SW846 8260B			8/7/09 11:06	MES	A
Dibromo-3-ropropane	ND	ug/L		7.0	0.96	SW846 8260B			8/7/09 11:06	MES	A
1,2-Dibromoethane	ND	ug/L		1.0	0.30	SW846 8260B			8/7/09 11:06	MES	A
1,1-Dichloroethane	ND	ug/L		1.0	0.15	SW846 8260B			8/7/09 11:06	MES	A
1,2-Dichloroethane	ND	ug/L		1.0	0.33	SW846 8260B			8/7/09 11:06	MES	A
1,1-Dichloroethene	ND	ug/L		1.0	0.17	SW846 8260B			8/7/09 11:06	MES	A
cis-1,2-Dichloroethene	ND	ug/L		1.0	0.17	SW846 8260B			8/7/09 11:06	MES	A
trans-1,2-Dichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			8/7/09 11:06	MES	A
1,2-Dichloropropane	ND	ug/L		1.0	0.23	SW846 8260B			8/7/09 11:06	MES	A
cis-1,3-Dichloropropene	ND	ug/L		1.0	0.18	SW846 8260B			8/7/09 11:06	MES	A
trans-1,3-Dichloropropene	ND	ug/L		1.0	0.14	SW846 8260B			8/7/09 11:06	MES	A
Ethylbenzene	ND	ug/L		1.0	0.23	SW846 8260B			8/7/09 11:06	MES	A
2-Hexanone	ND	ug/L		5.0	0.78	SW846 8260B			8/7/09 11:06	MES	A
4-Methyl-2-Pentanone(MIBK)	ND	ug/L		5.0	0.41	SW846 8260B			8/7/09 11:06	MES	A
Methylene Chloride	ND	ug/L		1.0	0.32	SW846 8260B			8/7/09 11:06	MES	A
Styrene	ND	ug/L		1.0	0.10	SW846 8260B			8/7/09 11:06	MES	A
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0	0.22	SW846 8260B			8/7/09 11:06	MES	A
Tetrachloroethene	ND	ug/L		1.0	0.28	SW846 8260B			8/7/09 11:06	MES	A
Toluene	ND	ug/L		1.0	0.19	SW846 8260B			8/7/09 11:06	MES	A
Total Xylenes	ND	ug/L		3.0	0.61	SW846 8260B			8/7/09 11:06	MES	A
1,1,1-Trichloroethane	ND	ug/L		1.0	0.29	SW846 8260B			8/7/09 11:06	MES	A
1,1,2-Trichloroethane	ND	ug/L		1.0	0.29	SW846 8260B			8/7/09 11:06	MES	A
Trichloroethene	ND	ug/L		1.0	0.33	SW846 8260B			8/7/09 11:06	MES	A
Vinyl Chloride	ND	ug/L		1.0	0.16	SW846 8260B			8/7/09 11:06	MES	A
o-Xylene	ND	ug/L		1.0	0.24	SW846 8260B			8/7/09 11:06	MES	A
mp-Xylene	ND	ug/L		2.0	0.51	SW846 8260B			8/7/09 11:06	MES	A

Surrogate Recoveries	*Results*	*Units*	*Footnote*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
-Dichloroethane-d4 (S)	84.9	%		62-133	SW846 8260B			8/7/09 11:06	MES	A
uene-d8 (S)	98.9	%		76-127	SW846 8260B			8/7/09 11:06	MES	A
4-Bromofluorobenzene (S)	87.9	%		79-114	SW846 8260B			8/7/09 11:06	MES	A
Dibromofluoromethane (S)	85.4	%		78-116	SW846 8260B			8/7/09 11:06	MES	A

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ANALYTICAL RESULTS

Workorder 9801043 Groundwaters (07/27/09)

Lab ID: **9801043006** Date Collected: 7/27/2009 14:30 Matrix: Ground Water

Sample ID: **MW-3B** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES											
Acenaphthene	ND	ug/L		1.4	0.32	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
Acenaphthylene	ND	ug/L		1.4	0.34	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
Anthracene	ND	ug/L		1.4	0.27	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
Benzo(a)anthracene	ND	ug/L		1.4	0.46	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
Benzo(a)pyrene	ND	ug/L		1.4	0.33	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
Benzo(b)fluoranthene	ND	ug/L		1.4	0.30	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
Benzo(g,h,i)perylene	ND	ug/L		1.4	0.32	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
Benzo(k)fluoranthene	ND	ug/L		1.4	0.41	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
4-Bromophenyl-phenylether	ND	ug/L		2.9	0.64	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
Butylbenzylphthalate	ND	ug/L		2.9	0.34	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
Carbazole	ND	ug/L		2.9	0.37	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
4-Chloro-3-methylphenol	ND	ug/L		7.6	0.36	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
4-Chloroaniline	ND	ug/L		2.9	0.51	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
[illegible]2-Chloroethoxy)methane	ND	ug/L		2.9	0.38	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
[illegible](2-Chloroethyl)ether	ND	ug/L		2.9	0.39	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
bis(2-Chloroisopropyl)ether	ND	ug/L		2.9	0.54	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
2-Chloronaphthalene	ND	ug/L		2.9	0.50	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
2-Chlorophenol	ND	ug/L		7.6	0.66	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
4-Chlorophenyl-phenylether	ND	ug/L		2.9	0.30	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
Chrysene	ND	ug/L		1.4	0.33	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
mp-Cresol	ND	ug/L		7.6	0.46	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
o-Cresol	ND	ug/L		7.6	0.49	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
Di-n-Butylphthalate	ND	ug/L		2.9	0.27	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
Di-n-Octylphthalate	ND	ug/L		7.6	0.30	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
Dibenzo(a,h)anthracene	ND	ug/L		1.4	0.32	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
Dibenzofuran	ND	ug/L		2.9	1.1	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
1,2-Dichlorobenzene	ND	ug/L		2.9	0.25	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
1,3-Dichlorobenzene	ND	ug/L		2.9	0.29	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
1,4-Dichlorobenzene	ND	ug/L		2.9	0.27	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
3,3-Dichlorobenzidine	ND	ug/L		7.6	2.5	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
2,4-Dichlorophenol	ND	ug/L		7.6	0.39	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
Diethylphthalate	ND	ug/L		7.6	0.36	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
2,4-Dimethylphenol	ND	ug/L		7.6	1.1	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
Dimethylphthalate	ND	ug/L		7.6	0.30	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
2,4-Dinitrophenol	ND	ug/L		7.6	2.2	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
2,4-Dinitrotoluene	ND	ug/L		2.9	0.65	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
2,6-Dinitrotoluene	ND	ug/L		2.9	0.65	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
bis(2-Ethylhexyl)phthalate	3.1	ug/L		2.9	0.38	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
Fluoranthene	ND	ug/L		1.4	0.37	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
Fluorene	ND	ug/L		1.4	0.37	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
Hexachlorobenzene	ND	ug/L		2.9	0.41	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
[illegible]xachlorobutadiene	ND	ug/L		2.9	0.39	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
[illegible]achlorocyclopentadiene	ND	ug/L		7.6	1.0	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
Hexachloroethane	ND	ug/L		2.9	0.42	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
Indeno(1,2,3-cd)pyrene	ND	ug/L		1.4	0.26	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1

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ANALYTICAL RESULTS

Workorder 9801043 Groundwaters (07/27/09)

Lab ID: **9801043006** Date Collected: 7/27/2009 14:30 Matrix: Ground Water
Sample ID: **MW-3B** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
Isophorone	ND	ug/L		2.9	0.41	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
2-Methyl-4,6-dinitrophenol	ND	ug/L		7.6	1.5	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
2-Methylnaphthalene	ND	ug/L		1.4	0.28	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
Naphthalene	ND	ug/L		1.4	0.30	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
2-Nitroaniline	ND	ug/L		2.9	0.70	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
3-Nitroaniline	ND	ug/L		2.9	0.50	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
4-Nitroaniline	ND	ug/L		2.9	0.75	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
Nitrobenzene	ND	ug/L		2.9	0.83	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
2-Nitrophenol	ND	ug/L		7.6	0.41	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
4-Nitrophenol	ND	ug/L		7.6	1.1	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
N-Nitroso-di-n-propylamine	ND	ug/L		2.9	0.45	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
N-Nitrosodiphenylamine	ND	ug/L		2.9	0.33	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
Pentachlorophenol	ND	ug/L		15.2	1.5	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
Phenanthrene	ND	ug/L		1.4	0.32	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
Phenol	ND	ug/L		7.6	0.32	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
[illegible]rene	ND	ug/L		1.4	0.31	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
[illegible]4-Trichlorobenzene	ND	ug/L		2.9	0.57	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
2,4,5-Trichlorophenol	ND	ug/L		7.6	1.7	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
2,4,6-Trichlorophenol	ND	ug/L		7.6	0.63	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1

Surrogate Recoveries	*Results*	*Units*	*Footnote*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	80	%		40-125	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
2-Fluorobiphenyl (S)	82.7	%		50-110	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
Nitrobenzene-d5 (S)	91.1	%		40-110	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
Terphenyl-d14 (S)	83.7	%		50-122	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
Phenol-d5 (S)	35.2	%		13-49	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1
2-Fluorophenol (S)	57.2	%		20-75	SW846 8270D	7/29/09	CAC	8/5/09 06:37	CHS	C1

METALS

Antimony, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 15:14	JWK	E2
Arsenic, Dissolved	0.0046J	mg/L		0.0080	0.0026	SW846 6010C	7/30/09	JWK	7/30/09 15:14	JWK	E2
Beryllium, Dissolved	ND	mg/L		0.0040	0.0013	SW846 6010C	7/30/09	JWK	7/30/09 15:14	JWK	E2
Cadmium, Dissolved	ND	mg/L		0.0020	0.00066	SW846 6010C	7/30/09	JWK	7/30/09 15:14	JWK	E2
Chromium, Dissolved	0.0032J	mg/L		0.0050	0.0016	SW846 6010C	7/30/09	JWK	7/30/09 15:14	JWK	E2
Copper, Dissolved	ND	mg/L		0.010	0.0033	SW846 6010C	7/30/09	JWK	7/30/09 15:14	JWK	E2
Lead, Dissolved	ND	mg/L		0.0020	0.00066	SW846 6020A	7/28/09	LAM	7/28/09 19:15	LAM	E1
Mercury, Dissolved	0.000043 J	mg/L		0.00050	0.000030	SW846 7470A	8/6/09	BLB	8/6/09 09:06	BLB	E3
Nickel, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 15:14	JWK	E2
Selenium, Dissolved	0.0071J	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 15:14	JWK	E2
Silver, Dissolved	ND	mg/L		0.0040	0.0013	SW846 6010C	7/30/09	JWK	7/30/09 15:14	JWK	E2
Thallium, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 15:14	JWK	E2
Zinc, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 15:14	JWK	E2

Sample Comments:

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ANALYTICAL RESULTS

Workorder 9801043 Groundwaters (07/27/09)

Lab ID:	**9801043006**	Date Collected:	7/27/2009 14:30	Matrix:	Ground Water
Sample ID:	**MW-3B**	Date Received:	7/27/2009 17:10		

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9801043 Groundwaters (07/27/09)

Lab ID: **9801043007** Date Collected: 7/27/2009 13:20 Matrix: Ground Water

Sample ID: **MW-2S** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
METALS											
Antimony, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 15:19	JWK	A2
Arsenic, Dissolved	0.0083	mg/L		0.0080	0.0026	SW846 6010C	7/30/09	JWK	7/30/09 15:19	JWK	A2
Beryllium, Dissolved	ND	mg/L		0.0040	0.0013	SW846 6010C	7/30/09	JWK	7/30/09 15:19	JWK	A2
Cadmium, Dissolved	ND	mg/L		0.0020	0.00066	SW846 6010C	7/30/09	JWK	7/30/09 15:19	JWK	A2
Chromium, Dissolved	0.0023J	mg/L		0.0050	0.0016	SW846 6010C	7/30/09	JWK	7/30/09 15:19	JWK	A2
Copper, Dissolved	ND	mg/L		0.010	0.0033	SW846 6010C	7/30/09	JWK	7/30/09 15:19	JWK	A2
Lead, Dissolved	ND	mg/L		0.0020	0.00066	SW846 6020A	7/28/09	LAM	7/28/09 19:18	LAM	A1
Mercury, Dissolved	0.000052 J	mg/L		0.00050	0.000030	SW846 7470A	8/6/09	BLB	8/6/09 09:09	BLB	A5
Nickel, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 15:19	JWK	A2
Selenium, Dissolved	0.0068J	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 15:19	JWK	A2
Silver, Dissolved	ND	mg/L		0.0040	0.0013	SW846 6010C	7/30/09	JWK	7/30/09 15:19	JWK	A2
Thallium, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 15:19	JWK	A2
Zinc, Dissolved	ND	mg/L		0.020	0.0066	SW846 6010C	7/30/09	JWK	7/30/09 15:19	JWK	A2

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder 9801043 Groundwaters (07/27/09)

Lab ID: **9801043008** Date Collected: 7/27/2009 17:10 Matrix: Ground Water

Sample ID: **Trip Blank** Date Received: 7/27/2009 17:10

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS											
Acetone	ND	ug/L		10.0	3.1	SW846 8260B			8/7/09 07:35	MES	A
Benzene	ND	ug/L		1.0	0.16	SW846 8260B			8/7/09 07:35	MES	A
Bromochloromethane	ND	ug/L		1.0	0.33	SW846 8260B			8/7/09 07:35	MES	A
Bromodichloromethane	ND	ug/L		1.0	0.23	SW846 8260B			8/7/09 07:35	MES	A
Bromoform	ND	ug/L		1.0	0.28	SW846 8260B			8/7/09 07:35	MES	A
Bromomethane	ND	ug/L		1.0	0.24	SW846 8260B			8/7/09 07:35	MES	A
2-Butanone	ND	ug/L		10.0	2.1	SW846 8260B			8/7/09 07:35	MES	A
Carbon Disulfide	ND	ug/L		1.0	0.12	SW846 8260B			8/7/09 07:35	MES	A
Carbon Tetrachloride	ND	ug/L		1.0	0.25	SW846 8260B			8/7/09 07:35	MES	A
Chlorobenzene	ND	ug/L		1.0	0.16	SW846 8260B			8/7/09 07:35	MES	A
Chlorodibromomethane	ND	ug/L		1.0	0.26	SW846 8260B			8/7/09 07:35	MES	A
Chloroethane	ND	ug/L		1.0	0.19	SW846 8260B			8/7/09 07:35	MES	A
Chloroform	ND	ug/L		1.0	0.23	SW846 8260B			8/7/09 07:35	MES	A
Chloromethane	ND	ug/L		1.0	0.16	SW846 8260B			8/7/09 07:35	MES	A
Dibromo-3-ropropane	ND	ug/L		7.0	0.96	SW846 8260B			8/7/09 07:35	MES	A
1,2-Dibromoethane	ND	ug/L		1.0	0.30	SW846 8260B			8/7/09 07:35	MES	A
1,1-Dichloroethane	ND	ug/L		1.0	0.15	SW846 8260B			8/7/09 07:35	MES	A
1,2-Dichloroethane	ND	ug/L		1.0	0.33	SW846 8260B			8/7/09 07:35	MES	A
1,1-Dichloroethene	ND	ug/L		1.0	0.17	SW846 8260B			8/7/09 07:35	MES	A
cis-1,2-Dichloroethene	ND	ug/L		1.0	0.17	SW846 8260B			8/7/09 07:35	MES	A
trans-1,2-Dichloroethene	ND	ug/L		1.0	0.20	SW846 8260B			8/7/09 07:35	MES	A
1,2-Dichloropropane	ND	ug/L		1.0	0.23	SW846 8260B			8/7/09 07:35	MES	A
cis-1,3-Dichloropropene	ND	ug/L		1.0	0.18	SW846 8260B			8/7/09 07:35	MES	A
trans-1,3-Dichloropropene	ND	ug/L		1.0	0.14	SW846 8260B			8/7/09 07:35	MES	A
Ethylbenzene	ND	ug/L		1.0	0.23	SW846 8260B			8/7/09 07:35	MES	A
2-Hexanone	ND	ug/L		5.0	0.78	SW846 8260B			8/7/09 07:35	MES	A
4-Methyl-2-Pentanone(MIBK)	ND	ug/L		5.0	0.41	SW846 8260B			8/7/09 07:35	MES	A
Methylene Chloride	ND	ug/L		1.0	0.32	SW846 8260B			8/7/09 07:35	MES	A
Styrene	ND	ug/L		1.0	0.10	SW846 8260B			8/7/09 07:35	MES	A
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0	0.22	SW846 8260B			8/7/09 07:35	MES	A
Tetrachloroethene	ND	ug/L		1.0	0.28	SW846 8260B			8/7/09 07:35	MES	A
Toluene	ND	ug/L		1.0	0.19	SW846 8260B			8/7/09 07:35	MES	A
Total Xylenes	ND	ug/L		3.0	0.61	SW846 8260B			8/7/09 07:35	MES	A
1,1,1-Trichloroethane	ND	ug/L		1.0	0.29	SW846 8260B			8/7/09 07:35	MES	A
1,1,2-Trichloroethane	ND	ug/L		1.0	0.29	SW846 8260B			8/7/09 07:35	MES	A
Trichloroethene	ND	ug/L		1.0	0.33	SW846 8260B			8/7/09 07:35	MES	A
Vinyl Chloride	ND	ug/L		1.0	0.16	SW846 8260B			8/7/09 07:35	MES	A
o-Xylene	ND	ug/L		1.0	0.24	SW846 8260B			8/7/09 07:35	MES	A
mp-Xylene	ND	ug/L		2.0	0.51	SW846 8260B			8/7/09 07:35	MES	A

Surrogate Recoveries	*Results*	*Units*	*Footnote*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	84.6	%		62-133	SW846 8260B			8/7/09 07:35	MES	A
Bromofluorobenzene (S)	90.2	%		79-114	SW846 8260B			8/7/09 07:35	MES	A
Dibromofluoromethane (S)	84.2	%		78-116	SW846 8260B			8/7/09 07:35	MES	A
Toluene-d8 (S)	101	%		76-127	SW846 8260B			8/7/09 07:35	MES	A

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ANALYTICAL RESULTS

Workorder 9801043 Groundwaters (07/27/09)

Lab ID:	**9801043008**	Date Collected:	7/27/2009 17:10	Matrix:	Ground Water
Sample ID:	**Trip Blank**	Date Received:	7/27/2009 17:10		

Parameters	Results	Units	Footnote	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS QUALIFIERS\FLAGS

Workorder 9801043 Groundwaters (07/27/09)

PARAMETER QUALIFIERS\FLAGS

[1] One of the two matrix spike analyses performed on this sample failed to meet acceptable recovery limits. The other matrix spike was within acceptable recovery limits. Matrix interferences are the possible cause for the failure.

Report ID: 9801043

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page ___ of ___
Courier:
Tracking #:

Co. Name: ARM Group
Contact (report to): Dan Buterbaugh
Phone: 717-508-0532
Address: 1129 W. Governor Rd. Hershey, PA 17033

Bill to (if different than Report to):
PO#:
Project Name/#: York NWT / 07214
ALSI Quote #:
TAT: Normal-Standard TAT is 10-12 business days. Rush-Subject to ALSI approval and surcharges.
Date Required:
Approved By:
Email? X Y dbuterbaugh@armgroup.net
Fax? Y No:

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	* Dissolved Metals (F)	VOC	SVOC									
	***Container Type						P	C	AN									
	***Container Size						500ml	40ml	1L									
	Preservative						HNO3	HCl	None									
1	MW-5S		7/27/09	0952	G	GW	1	2	2									
2	MW-5B		7/27/09	1015	G	GW	1	2	2									
3	MW-4B		7/27/09	1145	G	GW	1	2	2									
4	MW-4S		7/27/09	1110	G	GW	1	2	2									
5	MW-3S		7/27/09	1400	G	GW	1	2	2									
6	MW-3B		7/27/09	1430	G	GW	1	2	2									
7	MW-2S		7/27/09	1320	G	GW	1											
8	Trip Blank							2										

ANALYSES/METHOD REQUESTED

Per Jane mail * 07/28/09 @ 1130
Dan Buterbaugh - Lead
results need to be CS PPB - SW

Enter Number of Containers Per Analysis

Laboratory Information (completed by Alsi Personnel)
Performed by: SAL HERE
Cooler Temp: 4
Therm. ID: SLW359
No. of Coolers:
Notes:

	Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Circle appropriate Y or N.
	N	N	N	N	
	N	N	N	N	N
	Y	Y	Y	Y	Y

	Custody seals Present?	(If present) Seals intact?	Received on ice?	COC/Labels complete/accurate?	Container in good condition?
	N	N	N	Y	

SAMPLED BY (Please Print): Joe Janick
LOGGED BY (signature): DATE 7/27/09 TIME 1807
REVIEWED BY (signature): DATE 08/04/09 TIME 1052

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 Joe Janick / ARM	7/27/09	1700	2	7/27/09	1710
3			4		
5			6		
7			8		
9			10		

Data Deliverables: Standard; CLP-like; NJ-Reduced; NJ-Full; ___
EDDs Required? If yes, format type:
SDWA Forms ?→ yes
State Samples Collected in? MD; NJ; NY; PA
Other
Enter PWSID No.
DOD Criteria Required?

ALSI FIELD SERVICES: Pickup; Labor; Composite Sampling; Rental Equipment; Other:

* G=Grab; C=Composite **Matrix: Af=Air; DW=Drinking Water; GW=Groundwater; Ol=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY ***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc. Rev 6/07

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May 13, 2011

Mr. Steve Fulton
ARM Group
1129 W. Governor Road
PO Box 797
Hershey, PA 17033

Certificate of Analysis

Project Name:	**2011-NORTHWEST TRIANGLE**	Workorder:	**9902510**
Purchase Order:		Workorder ID:	**GW (04/26/11)**

Dear Mr. Fulton,

Enclosed are the analytical results for samples received by the laboratory on Wednesday, April 27, 2011.

The ALS Environmental laboratory in Middletown, Pennsylvania (formerly Analytical Laboratory Services, Inc.) is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Susan Scherer (Project Coordinator) or Anna G Milliken (Technical Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALS' NELAP accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

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This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Technical Manager

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SAMPLE SUMMARY

Workorder: 9902510 GW (04/26/11) Discard Date: 05/27/2011

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9902510001	MW-2S	Ground Water	4/26/11 13:25	4/27/11 17:13	Brad Sick
9902510002	MW-3S	Ground Water	4/26/11 14:40	4/27/11 17:13	Brad Sick
9902510003	MW-3B	Ground Water	4/26/11 20:30	4/27/11 17:13	Brad Sick
9902510004	MW-4B	Ground Water	4/26/11 17:55	4/27/11 17:13	Brad Sick
9902510005	MW-4S	Ground Water	4/26/11 17:45	4/27/11 17:13	Brad Sick
9902510006	MW-5B	Ground Water	4/26/11 19:40	4/27/11 17:13	Brad Sick
9902510007	MW-5S	Ground Water	4/26/11 19:15	4/27/11 17:13	Brad Sick

Workorder Comments:

Notes

-- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.
-- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9902510 GW (04/26/11)

Lab ID: **9902510001** Date Collected: 4/26/2011 13:25 Matrix: Ground Water

Sample ID: **MW-2S** Date Received: 4/27/2011 17:13

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Arsenic, Dissolved	ND		mg/L	0.0030	SW846 6020A	5/2/11	AJB	5/3/11 08:35	AJB	A1
Lead, Dissolved	ND		mg/L	0.0020	SW846 6020A	5/2/11	AJB	5/13/11 05:31	AJB	A1

Sample Comments:

Anna G Milliken
Technical Manager

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ANALYTICAL RESULTS

Workorder: 9902510 GW (04/26/11)

Lab ID: **9902510002** Date Collected: 4/26/2011 14:40 Matrix: Ground Water

Sample ID: **MW-3S** Date Received: 4/27/2011 17:13

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/L	10.0	SW846 8260B			5/5/11 00:02	DJB	B
Benzene	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
Bromochloromethane	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
Bromodichloromethane	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
Bromoform	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
Bromomethane	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
2-Butanone	ND		ug/L	10.0	SW846 8260B			5/5/11 00:02	DJB	B
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
Chlorobenzene	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
Chloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
Chloroform	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
Chloromethane	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B			5/5/11 00:02	DJB	B
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
2-Hexanone	ND		ug/L	5.0	SW846 8260B			5/5/11 00:02	DJB	B
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B			5/5/11 00:02	DJB	B
Methylene Chloride	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
Styrene	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
Toluene	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
Total Xylenes	ND		ug/L	3.0	SW846 8260B			5/5/11 00:02	DJB	B
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
Trichloroethene	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
o-Xylene	ND		ug/L	1.0	SW846 8260B			5/5/11 00:02	DJB	B
mp-Xylene	ND		ug/L	2.0	SW846 8260B			5/5/11 00:02	DJB	B

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ANALYTICAL RESULTS

Workorder: 9902510 GW (04/26/11)

Lab ID: **9902510002** Date Collected: 4/26/2011 14:40 Matrix: Ground Water

Sample ID: **MW-3S** Date Received: 4/27/2011 17:13

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	87.7		%	62-133	SW846 8260B			5/5/11 00:02	DJB	B
4-Bromofluorobenzene (S)	100		%	79-114	SW846 8260B			5/5/11 00:02	DJB	B
Dibromofluoromethane (S)	92.8		%	78-116	SW846 8260B			5/5/11 00:02	DJB	B
Toluene-d8 (S)	101		%	76-127	SW846 8260B			5/5/11 00:02	DJB	B
METALS										
Arsenic, Dissolved	ND		mg/L	0.0030	SW846 6020A	5/2/11	AJB	5/3/11 08:46	AJB	A1
Lead, Dissolved	ND		mg/L	0.0020	SW846 6020A	5/2/11	AJB	5/13/11 05:39	AJB	A1

Sample Comments:

Anna G Milliken
Technical Manager

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ANALYTICAL RESULTS

Workorder: 9902510 GW (04/26/11)

Lab ID: **9902510003** Date Collected: 4/26/2011 20:30 Matrix: Ground Water

Sample ID: **MW-3B** Date Received: 4/27/2011 17:13

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/L	10.0	SW846 8260B			5/5/11 00:32	DJB	D
Benzene	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
Bromochloromethane	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
Bromodichloromethane	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
Bromoform	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
Bromomethane	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
2-Butanone	ND		ug/L	10.0	SW846 8260B			5/5/11 00:32	DJB	D
Carbon Disulfide	1.1		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
Chlorobenzene	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
Chloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
Chloroform	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
Chloromethane	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B			5/5/11 00:32	DJB	D
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
2-Hexanone	ND		ug/L	5.0	SW846 8260B			5/5/11 00:32	DJB	D
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B			5/5/11 00:32	DJB	D
Methylene Chloride	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
Styrene	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
Toluene	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
Total Xylenes	ND		ug/L	3.0	SW846 8260B			5/5/11 00:32	DJB	D
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
Trichloroethene	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
o-Xylene	ND		ug/L	1.0	SW846 8260B			5/5/11 00:32	DJB	D
mp-Xylene	ND		ug/L	2.0	SW846 8260B			5/5/11 00:32	DJB	D

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ANALYTICAL RESULTS

Workorder: 9902510 GW (04/26/11)

Lab ID: **9902510003** Date Collected: 4/26/2011 20:30 Matrix: Ground Water

Sample ID: **MW-3B** Date Received: 4/27/2011 17:13

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	87.1		%	62-133	SW846 8260B			5/5/11 00:32	DJB	D
4-Bromofluorobenzene (S)	106		%	79-114	SW846 8260B			5/5/11 00:32	DJB	D
Dibromofluoromethane (S)	102		%	78-116	SW846 8260B			5/5/11 00:32	DJB	D
Toluene-d8 (S)	99.6		%	76-127	SW846 8260B			5/5/11 00:32	DJB	D
SEMIVOLATILES										
bis(2-Ethylhexyl)phthalate	ND		ug/L	2.8	SW846 8270D	5/2/11	GEC	5/4/11 02:51	CGS	B1
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	54.9		%	40-125	SW846 8270D	5/2/11	GEC	5/4/11 02:51	CGS	B1
2-Fluorobiphenyl (S)	49.8	1	%	50-110	SW846 8270D	5/2/11	GEC	5/4/11 02:51	CGS	B1
2-Fluorophenol (S)	33.1		%	20-75	SW846 8270D	5/2/11	GEC	5/4/11 02:51	CGS	B1
Nitrobenzene-d5 (S)	54.9		%	40-110	SW846 8270D	5/2/11	GEC	5/4/11 02:51	CGS	B1
Phenol-d5 (S)	21.5		%	13-49	SW846 8270D	5/2/11	GEC	5/4/11 02:51	CGS	B1
Terphenyl-d14 (S)	50.6		%	50-122	SW846 8270D	5/2/11	GEC	5/4/11 02:51	CGS	B1
METALS										
Arsenic, Dissolved	ND		mg/L	0.0030	SW846 6020A	5/2/11	AJB	5/3/11 08:52	AJB	A1
Lead, Dissolved	ND		mg/L	0.0020	SW846 6020A	5/2/11	AJB	5/13/11 05:46	AJB	A1

Sample Comments:

Methods for the analysis of volatile organics require that the sample be preserved to a pH less than 2 using HCl. This sample had a pH greater than 2 when received by the lab.

Anna G Milliken
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ANALYTICAL RESULTS

Workorder: 9902510 GW (04/26/11)

Lab ID: **9902510004** Date Collected: 4/26/2011 17:55 Matrix: Ground Water

Sample ID: **MW-4B** Date Received: 4/27/2011 17:13

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/L	10.0	SW846 8260B			5/5/11 01:01	DJB	B
Benzene	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
Bromochloromethane	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
Bromodichloromethane	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
Bromoform	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
Bromomethane	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
2-Butanone	ND		ug/L	10.0	SW846 8260B			5/5/11 01:01	DJB	B
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
Chlorobenzene	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
Chloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
Chloroform	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
Chloromethane	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B			5/5/11 01:01	DJB	B
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
cis-1,2-Dichloroethene	2.3		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
2-Hexanone	ND		ug/L	5.0	SW846 8260B			5/5/11 01:01	DJB	B
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B			5/5/11 01:01	DJB	B
Methylene Chloride	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
Styrene	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
Toluene	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
Total Xylenes	ND		ug/L	3.0	SW846 8260B			5/5/11 01:01	DJB	B
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
Trichloroethene	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
o-Xylene	ND		ug/L	1.0	SW846 8260B			5/5/11 01:01	DJB	B
mp-Xylene	ND		ug/L	2.0	SW846 8260B			5/5/11 01:01	DJB	B

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ANALYTICAL RESULTS

Workorder: 9902510 GW (04/26/11)

Lab ID: **9902510004** Date Collected: 4/26/2011 17:55 Matrix: Ground Water

Sample ID: **MW-4B** Date Received: 4/27/2011 17:13

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	98.5		%	62-133	SW846 8260B			5/5/11 01:01	DJB	B
4-Bromofluorobenzene (S)	98.5		%	79-114	SW846 8260B			5/5/11 01:01	DJB	B
Dibromofluoromethane (S)	92.4		%	78-116	SW846 8260B			5/5/11 01:01	DJB	B
Toluene-d8 (S)	103		%	76-127	SW846 8260B			5/5/11 01:01	DJB	B
METALS										
Arsenic, Dissolved	ND		mg/L	0.0030	SW846 6020A	5/2/11	AJB	5/3/11 08:57	AJB	A1
Lead, Dissolved	ND		mg/L	0.0020	SW846 6020A	5/2/11	AJB	5/13/11 06:15	AJB	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9902510 GW (04/26/11)

Lab ID: **9902510005** Date Collected: 4/26/2011 17:45 Matrix: Ground Water

Sample ID: **MW-4S** Date Received: 4/27/2011 17:13

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/L	10.0	SW846 8260B			5/5/11 01:31	DJB	B
Benzene	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
Bromochloromethane	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
Bromodichloromethane	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
Bromoform	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
Bromomethane	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
2-Butanone	ND		ug/L	10.0	SW846 8260B			5/5/11 01:31	DJB	B
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
Chlorobenzene	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
Chloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
Chloroform	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
Chloromethane	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B			5/5/11 01:31	DJB	B
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
2-Hexanone	ND		ug/L	5.0	SW846 8260B			5/5/11 01:31	DJB	B
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B			5/5/11 01:31	DJB	B
Methylene Chloride	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
Styrene	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
Toluene	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
Total Xylenes	ND		ug/L	3.0	SW846 8260B			5/5/11 01:31	DJB	B
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
Trichloroethene	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
o-Xylene	ND		ug/L	1.0	SW846 8260B			5/5/11 01:31	DJB	B
mp-Xylene	ND		ug/L	2.0	SW846 8260B			5/5/11 01:31	DJB	B

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ANALYTICAL RESULTS

Workorder: 9902510 GW (04/26/11)

Lab ID: **9902510005** Date Collected: 4/26/2011 17:45 Matrix: Ground Water

Sample ID: **MW-4S** Date Received: 4/27/2011 17:13

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	79.6		%	62-133	SW846 8260B			5/5/11 01:31	DJB	B
4-Bromofluorobenzene (S)	103		%	79-114	SW846 8260B			5/5/11 01:31	DJB	B
Dibromofluoromethane (S)	89.8		%	78-116	SW846 8260B			5/5/11 01:31	DJB	B
Toluene-d8 (S)	112		%	76-127	SW846 8260B			5/5/11 01:31	DJB	B
METALS										
Arsenic, Dissolved	ND		mg/L	0.0030	SW846 6020A	5/2/11	AJB	5/13/11 06:23	AJB	A1
Lead, Dissolved	ND		mg/L	0.0020	SW846 6020A	5/2/11	AJB	5/13/11 06:23	AJB	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9902510 GW (04/26/11)

Lab ID: **9902510006** Date Collected: 4/26/2011 19:40 Matrix: Ground Water

Sample ID: **MW-5B** Date Received: 4/27/2011 17:13

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/L	10.0	SW846 8260B			5/5/11 02:00	DJB	B
Benzene	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
Bromochloromethane	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
Bromodichloromethane	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
Bromoform	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
Bromomethane	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
2-Butanone	ND		ug/L	10.0	SW846 8260B			5/5/11 02:00	DJB	B
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
Chlorobenzene	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
Chloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
Chloroform	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
Chloromethane	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B			5/5/11 02:00	DJB	B
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
cis-1,2-Dichloroethene	1.8		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
2-Hexanone	ND		ug/L	5.0	SW846 8260B			5/5/11 02:00	DJB	B
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B			5/5/11 02:00	DJB	B
Methylene Chloride	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
Styrene	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
Toluene	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
Total Xylenes	ND		ug/L	3.0	SW846 8260B			5/5/11 02:00	DJB	B
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
Trichloroethene	1.7		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
o-Xylene	ND		ug/L	1.0	SW846 8260B			5/5/11 02:00	DJB	B
mp-Xylene	ND		ug/L	2.0	SW846 8260B			5/5/11 02:00	DJB	B

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ANALYTICAL RESULTS

Workorder: 9902510 GW (04/26/11)

Lab ID: **9902510006** Date Collected: 4/26/2011 19:40 Matrix: Ground Water

Sample ID: **MW-5B** Date Received: 4/27/2011 17:13

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	101		%	62-133	SW846 8260B			5/5/11 02:00	DJB	B
4-Bromofluorobenzene (S)	98.6		%	79-114	SW846 8260B			5/5/11 02:00	DJB	B
Dibromofluoromethane (S)	96.6		%	78-116	SW846 8260B			5/5/11 02:00	DJB	B
Toluene-d8 (S)	112		%	76-127	SW846 8260B			5/5/11 02:00	DJB	B
METALS										
Arsenic, Dissolved	ND		mg/L	0.0030	SW846 6020A	5/2/11	AJB	5/13/11 06:31	AJB	A1
Lead, Dissolved	ND		mg/L	0.0020	SW846 6020A	5/2/11	AJB	5/13/11 06:31	AJB	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9902510 GW (04/26/11)

Lab ID: **9902510007** Date Collected: 4/26/2011 19:15 Matrix: Ground Water

Sample ID: **MW-5S** Date Received: 4/27/2011 17:13

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/L	10.0	SW846 8260B			5/5/11 02:30	DJB	B
Benzene	ND		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
Bromochloromethane	ND		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
Bromodichloromethane	ND		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
Bromoform	ND		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
Bromomethane	ND		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
2-Butanone	ND		ug/L	10.0	SW846 8260B			5/5/11 02:30	DJB	B
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
Chlorobenzene	ND		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
Chloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
Chloroform	ND		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
Chloromethane	ND		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B			5/5/11 02:30	DJB	B
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
cis-1,2-Dichloroethene	2.1		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
2-Hexanone	ND		ug/L	5.0	SW846 8260B			5/5/11 02:30	DJB	B
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B			5/5/11 02:30	DJB	B
Methylene Chloride	ND		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
Styrene	ND		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
Tetrachloroethene	1.0		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
Toluene	ND		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
Total Xylenes	ND		ug/L	3.0	SW846 8260B			5/5/11 02:30	DJB	B
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
Trichloroethene	1.6		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
o-Xylene	ND		ug/L	1.0	SW846 8260B			5/5/11 02:30	DJB	B
mp-Xylene	ND		ug/L	2.0	SW846 8260B			5/5/11 02:30	DJB	B

ALS Environmental
Analytical Laboratory Services, Inc.
Now part of the ALS Group
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NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

ANALYTICAL RESULTS

Workorder: 9902510 GW (04/26/11)

Lab ID: **9902510007** Date Collected: 4/26/2011 19:15 Matrix: Ground Water

Sample ID: **MW-5S** Date Received: 4/27/2011 17:13

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	104		%	62-133	SW846 8260B			5/5/11 02:30	DJB	B
4-Bromofluorobenzene (S)	102		%	79-114	SW846 8260B			5/5/11 02:30	DJB	B
Dibromofluoromethane (S)	105		%	78-116	SW846 8260B			5/5/11 02:30	DJB	B
Toluene-d8 (S)	104		%	76-127	SW846 8260B			5/5/11 02:30	DJB	B
SEMIVOLATILES										
bis(2-Ethylhexyl)phthalate	ND		ug/L	2.8	SW846 8270D	5/2/11	GEC	5/4/11 03:42	CGS	D1
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	50.9		%	40-125	SW846 8270D	5/2/11	GEC	5/4/11 03:42	CGS	D1
2-Fluorobiphenyl (S)	51.1		%	50-110	SW846 8270D	5/2/11	GEC	5/4/11 03:42	CGS	D1
2-Fluorophenol (S)	33.5		%	20-75	SW846 8270D	5/2/11	GEC	5/4/11 03:42	CGS	D1
Nitrobenzene-d5 (S)	55.8		%	40-110	SW846 8270D	5/2/11	GEC	5/4/11 03:42	CGS	D1
Phenol-d5 (S)	22.1		%	13-49	SW846 8270D	5/2/11	GEC	5/4/11 03:42	CGS	D1
Terphenyl-d14 (S)	61.3		%	50-122	SW846 8270D	5/2/11	GEC	5/4/11 03:42	CGS	D1
METALS										
Arsenic, Dissolved	ND		mg/L	0.0030	SW846 6020A	5/2/11	AJB	5/13/11 06:38	AJB	A1
Lead, Dissolved	ND		mg/L	0.0020	SW846 6020A	5/2/11	AJB	5/13/11 06:38	AJB	A1

Sample Comments:

Anna G Milliken
Technical Manager

ANALYTICAL RESULTS QUALIFIERS\FLAGS

Workorder: 9902510 GW (04/26/11)

PARAMETER QUALIFIERS\FLAGS

[1] The surrogate 2-Fluorobiphenyl for method SW846 8270D was outside of control limits. The % Recovery was reported as 49.8 and the control limits were 50 to 110. This result was reported at a dilution of 1.

Analytical Laboratory Services, Inc.
Environmental • Industrial Hygiene • Field Services
34 Dogwood Lane • Middletown, PA 17057 • 717.944.5541 • Fax: 717.944.1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

S

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 1
Courier:
Tracking #:
9902510

Co. Name: ARM Group Inc
Contact (Report to): Brad Sick
Address: P.O. Box 797, Hershey, PA 17033
Phone: [redacted] 717-533-4600
Bill to (if different than Report to):
PO#:
Project Name/#: Northwest Triangle / 07214-GW
ALSI Quote #: 11041S030
TAT: [X] Normal-Standard TAT is 10-12 business days. [ ] Rush-Subject to ALSI approval and surcharges.
Date Required:
Approved By:
Email? [X] Y bsick@armgroup.net, sfulton@armgroup.net
Fax? [ ] Y No.

	***Container Type	PL	AG	CG
	***Container Size	500mL	1L	40mL
	**Preservative	None	None	HCl

ANALYSES/METHOD REQUESTED: Dissolved Lead & Arsenic (Lab Filtered); 8270 - bis(2-Ethylhexyl) phthalate only; Chlorinated VOC's

Enter Number of Containers Per Analysis

#	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Dissolved Lead & Arsenic	8270	Chlorinated VOC's
1	MW-2S (4-26-11)		4/26/11	13:25	G	GW	1		
2	MW-3S (4-26-11)			14:40			1	KAH 2 4/29/11	2
3	MW-3B (4-26-11)			20:30			1		2
4	MW4B (4-26-11)			17:55			1		2
5	MW-4S (4-26-11)			17:45			1		2
6	MW-5B (4-26-11)			19:40			1		2
7	MW-5S (4-26-11)			19:15			1	2	2
8									

Receipt Information (completed by Sample Receiving): Received by: [signature]
Cooler Temp: 1
Therm. ID: 10132724
No. of Coolers:
Notes:

Custody seals Present?	Y	N
(if present) Seals intact?	Y	N
Received on ice?	Y	N
COC/Labels complete/accurate?	Y	N
Container in good condition?	Y	N
Correct containers?	Y	N
Correct sample volume?	Y	N
Correct preservation?	Y	N
Headspace/Volatiles?	Y	N

Circle appropriate Y or N.

SAMPLED BY (Please Print): Brad Sick / ARM Group
[signature] 4/29/11 1251
LOGGED BY (signature): Bradley A. Sick Date: 4/27/11 Time: 14:15
REVIEWED BY (signature): S. Schaeffer Date: 05/07/11 Time: 11:53

#	Relinquished By / Company Name	Date	Time	#	Received By / Company Name	Date	Time
1	Bradley A. Sick / ARM Group	4/27/11	11:45	2	[signature]		
3	Bradley A. Sick / ARM	4/27/11	12:13	4	Kelli Shaw	4/27	1713
5				6			
7				8			
9				10			

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] If yes, format type:
EDDs Required?
SDWA Forms? yes [ ] yes [ ] yes [ ] yes [ ] Other
State Samples Collected In? MD [ ] NJ [ ] NY [ ] PA [ ]
Enter PWSID No.
DOD Criteria Required?

ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite
**Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass; PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.
Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY
Rev 6/07

For Immediate Release

Analytical Laboratory Services, Inc.
Announces Acquisition by ALS Laboratory Group

Middletown, Pennsylvania - Analytical Laboratory Services, Inc. (ALSI) of Middletown, Pennsylvania, announced that it has been acquired by ALS Laboratory Group, a unit of the publicly traded Australian corporation, Campbell Brothers Limited. ALSI is one of the twenty largest environmental testing laboratories in the United States, and is a full provider of superior lab services to municipal, industrial and engineering clients in the northeast region of the country.

ALSI President Michael Farlling commented on the acquisition. "We are very pleased to announce that we are joining ALS Laboratory Group, as a key component of their platform for expansion and growth in the northeastern United States, and we look forward to continuing to provide our customers with the same level of superior and dependable services that they have come to expect from ALSI."

"After consistently growing our business over the past twenty years, we are now excited to join the expanding ALS family," said Farlling. "ALS Laboratory Group's financial resources, operating systems, and strong reputation will help us continue to provide superior services, and to expand our services to a broader array of customers, and at a faster pace." All of the ALSI management team will remain in place under the new ownership, and Farlling commented that customers are not likely to see any changes in the day to day operations of the laboratory.

Raj Naran, ALS Environmental, Vice President - Europe and North America, states: "The expertise, reputation and service excellence that ALSI has developed compliments and broadens our existing USA based business. In the future, we plan to further expand our market reach in the USA by providing clients with access to the combined services of ALSI and ALS in a larger number of locations and a broader base of capabilities."

About ALS Laboratory Group

ALS Laboratory Group is the U.S. laboratory services group of Australian Laboratory Services, a unit of Campbell Brothers Limited, and by most measures, the largest environmental testing firm in the world. With extensive environmental, mineral and other analytical service businesses spanning the globe, the ALS Group overall has revenues approaching $750 million (U.S.) and is the most rapidly growing environmental testing firm in North America.

For more information please contact Mike Farlling, President of ALSI at 717-702-2240 or visit us at www.analyticallab.com.

ALS Environmental

34 Dogwood Lane ▪ Middletown, PA 17057 ▪ Phone: 717-944-5541 ▪ Fax: 717-944-1430 ▪ www.alsglobal.com

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September 1, 2011

Mr. Steve Fulton
ARM Group
1129 W. Governor Road
PO Box 797
Hershey, PA 17033

Certificate of Analysis

Project Name:	**2011-NORTHWEST TRIANGLE**	Workorder:	**9922563**
Purchase Order:		Workorder ID:	**2011-NORTHWEST TRIANGLE**

Dear Mr. Fulton,

Enclosed are the analytical results for samples received by the laboratory on Friday, August 19, 2011.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Susan Scherer (Project Coordinator) or Anna G Milliken (Technical Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALS' NELAP accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Technical Manager

ALS Environmental
34 Dogwood Lane ▪ Middletown, PA 17057 ▪ Phone: 717-944-5541 ▪ Fax: 717-944-1430 ▪ www.alsglobal.com

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SAMPLE SUMMARY

Workorder: 9922563 2011-NORTHWEST TRIANGLE Discard Date: 09/15/2011

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9922563001	MW-2S[8-19-11]	Ground Water	8/19/11 17:15	8/19/11 18:00	Brad Sick
9922563002	MW-3S[8-19-11]	Ground Water	8/19/11 16:12	8/19/11 18:00	Brad Sick
9922563003	MW-3B[8-19-11]	Ground Water	8/19/11 16:10	8/19/11 18:00	Brad Sick
9922563004	MW-4B[8-19-11]	Ground Water	8/19/11 14:30	8/19/11 18:00	Brad Sick
9922563005	MW-4S[8-19-11]	Ground Water	8/19/11 14:35	8/19/11 18:00	Brad Sick
9922563006	MW-5B[8-19-11]	Ground Water	8/19/11 13:02	8/19/11 18:00	Brad Sick
9922563007	MW-5S[8-19-11]	Ground Water	8/19/11 13:06	8/19/11 18:00	Brad Sick

Workorder Comments:

Notes

-- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.
-- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9922563 2011-NORTHWEST TRIANGLE

Lab ID: **9922563001** Date Collected: 8/19/2011 17:15 Matrix: Ground Water

Sample ID: **MW-2S[8-19-11]** Date Received: 8/19/2011 18:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Dissolved	ND		mg/L	0.0020	SW846 6020A	8/31/11	LAM	8/31/11 14:41	LAM	A1

Sample Comments:

Anna G Milliken
Technical Manager

ALS Environmental

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ANALYTICAL RESULTS

Workorder: 9922563 2011-NORTHWEST TRIANGLE

Lab ID: **9922563002** Date Collected: 8/19/2011 16:12 Matrix: Ground Water

Sample ID: **MW-3S[8-19-11]** Date Received: 8/19/2011 18:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Dissolved	ND		mg/L	0.0020	SW846 6020A	8/31/11	LAM	8/31/11 14:44	LAM	A1

Sample Comments:

Anna G Milliken
Technical Manager

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ANALYTICAL RESULTS

Workorder: 9922563 2011-NORTHWEST TRIANGLE

Lab ID: **9922563003** Date Collected: 8/19/2011 16:10 Matrix: Ground Water

Sample ID: **MW-3B[8-19-11]** Date Received: 8/19/2011 18:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES										
bis(2-Ethylhexyl)phthalate	8.5		ug/L	2.8	SW846 8270D	8/24/11	GEC	8/26/11 23:40	DHF	A1
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	40		%	40-125	SW846 8270D	8/24/11	GEC	8/26/11 23:40	DHF	A1
2-Fluorobiphenyl (S)	29.7	2	%	50-110	SW846 8270D	8/24/11	GEC	8/26/11 23:40	DHF	A1
2-Fluorophenol (S)	39.8		%	20-75	SW846 8270D	8/24/11	GEC	8/26/11 23:40	DHF	A1
Nitrobenzene-d5 (S)	37.1	1	%	40-110	SW846 8270D	8/24/11	GEC	8/26/11 23:40	DHF	A1
Phenol-d5 (S)	25.5		%	13-49	SW846 8270D	8/24/11	GEC	8/26/11 23:40	DHF	A1
Terphenyl-d14 (S)	25.8	3	%	50-122	SW846 8270D	8/24/11	GEC	8/26/11 23:40	DHF	A1

Sample Comments:

Anna G Milliken
Technical Manager

ALS Environmental

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ANALYTICAL RESULTS

Workorder: 9922563 2011-NORTHWEST TRIANGLE

Lab ID: **9922563004** Date Collected: 8/19/2011 14:30 Matrix: Ground Water

Sample ID: **MW-4B[8-19-11]** Date Received: 8/19/2011 18:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/L	10.0	SW846 8260B			8/23/11 13:23	MES	B
Benzene	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
Bromochloromethane	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
Bromodichloromethane	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
Bromoform	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
Bromomethane	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
2-Butanone	ND		ug/L	10.0	SW846 8260B			8/23/11 13:23	MES	B
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
Chlorobenzene	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
Chloroethane	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
Chloroform	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
Chloromethane	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B			8/23/11 13:23	MES	B
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
cis-1,2-Dichloroethene	1.7		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
2-Hexanone	ND		ug/L	5.0	SW846 8260B			8/23/11 13:23	MES	B
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B			8/23/11 13:23	MES	B
Methylene Chloride	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
Styrene	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
Toluene	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
Total Xylenes	ND		ug/L	3.0	SW846 8260B			8/23/11 13:23	MES	B
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
Trichloroethene	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
o-Xylene	ND		ug/L	1.0	SW846 8260B			8/23/11 13:23	MES	B
mp-Xylene	ND		ug/L	2.0	SW846 8260B			8/23/11 13:23	MES	B

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ANALYTICAL RESULTS

Workorder: 9922563 2011-NORTHWEST TRIANGLE

Lab ID: **9922563004** Date Collected: 8/19/2011 14:30 Matrix: Ground Water

Sample ID: **MW-4B[8-19-11]** Date Received: 8/19/2011 18:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	101		%	62-133	SW846 8260B			8/23/11 13:23	MES	B
4-Bromofluorobenzene (S)	86.6		%	79-114	SW846 8260B			8/23/11 13:23	MES	B
Dibromofluoromethane (S)	88.2		%	78-116	SW846 8260B			8/23/11 13:23	MES	B
Toluene-d8 (S)	97.8		%	76-127	SW846 8260B			8/23/11 13:23	MES	B
SEMIVOLATILES										
bis(2-Ethylhexyl)phthalate	ND		ug/L	2.8	SW846 8270D	8/24/11	GEC	8/27/11 00:12	DHF	D1
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	67		%	40-125	SW846 8270D	8/24/11	GEC	8/27/11 00:12	DHF	D1
2-Fluorobiphenyl (S)	66.5		%	50-110	SW846 8270D	8/24/11	GEC	8/27/11 00:12	DHF	D1
2-Fluorophenol (S)	47.2		%	20-75	SW846 8270D	8/24/11	GEC	8/27/11 00:12	DHF	D1
Nitrobenzene-d5 (S)	76.1		%	40-110	SW846 8270D	8/24/11	GEC	8/27/11 00:12	DHF	D1
Phenol-d5 (S)	30.5		%	13-49	SW846 8270D	8/24/11	GEC	8/27/11 00:12	DHF	D1
Terphenyl-d14 (S)	85.8		%	50-122	SW846 8270D	8/24/11	GEC	8/27/11 00:12	DHF	D1
METALS										
Lead, Dissolved	ND		mg/L	0.0020	SW846 6020A	8/31/11	LAM	8/31/11 14:47	LAM	A1

Sample Comments:

Anna G Milliken
Technical Manager

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ANALYTICAL RESULTS

Workorder: 9922563 2011-NORTHWEST TRIANGLE

Lab ID: **9922563005** Date Collected: 8/19/2011 14:35 Matrix: Ground Water

Sample ID: **MW-4S[8-19-11]** Date Received: 8/19/2011 18:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/L	10.0	SW846 8260B			8/23/11 13:57	MES	B
Benzene	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
Bromochloromethane	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
Bromodichloromethane	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
Bromoform	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
Bromomethane	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
2-Butanone	ND		ug/L	10.0	SW846 8260B			8/23/11 13:57	MES	B
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
Chlorobenzene	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
Chloroethane	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
Chloroform	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
Chloromethane	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B			8/23/11 13:57	MES	B
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
2-Hexanone	ND		ug/L	5.0	SW846 8260B			8/23/11 13:57	MES	B
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B			8/23/11 13:57	MES	B
Methylene Chloride	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
Styrene	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
Toluene	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
Total Xylenes	ND		ug/L	3.0	SW846 8260B			8/23/11 13:57	MES	B
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
Trichloroethene	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
o-Xylene	ND		ug/L	1.0	SW846 8260B			8/23/11 13:57	MES	B
mp-Xylene	ND		ug/L	2.0	SW846 8260B			8/23/11 13:57	MES	B

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ANALYTICAL RESULTS

Workorder: 9922563 2011-NORTHWEST TRIANGLE

Lab ID:	**9922563005**	Date Collected:	8/19/2011 14:35	Matrix:	Ground Water
Sample ID:	**MW-4S[8-19-11]**	Date Received:	8/19/2011 18:00		

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	104		%	62-133	SW846 8260B			8/23/11 13:57	MES	B
4-Bromofluorobenzene (S)	87.2		%	79-114	SW846 8260B			8/23/11 13:57	MES	B
Dibromofluoromethane (S)	89.8		%	78-116	SW846 8260B			8/23/11 13:57	MES	B
Toluene-d8 (S)	98.4		%	76-127	SW846 8260B			8/23/11 13:57	MES	B
METALS										
Lead, Dissolved	ND		mg/L	0.0020	SW846 6020A	8/31/11	LAM	8/31/11 14:56	LAM	A1

Sample Comments:

Anna G Milliken
Technical Manager

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ANALYTICAL RESULTS

Workorder: 9922563 2011-NORTHWEST TRIANGLE

Lab ID: **9922563006** Date Collected: 8/19/2011 13:02 Matrix: Ground Water

Sample ID: **MW-5B[8-19-11]** Date Received: 8/19/2011 18:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Dissolved	ND		mg/L	0.0020	SW846 6020A	8/31/11	LAM	8/31/11 15:08	LAM	A1

Sample Comments:

Anna G Milliken
Technical Manager

ALS Environmental

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ANALYTICAL RESULTS

Workorder: 9922563 2011-NORTHWEST TRIANGLE

Lab ID: **9922563007** Date Collected: 8/19/2011 13:06 Matrix: Ground Water

Sample ID: **MW-5S[8-19-11]** Date Received: 8/19/2011 18:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/L	10.0	SW846 8260B			8/23/11 14:32	MES	A
Benzene	ND		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
Bromochloromethane	ND		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
Bromodichloromethane	ND		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
Bromoform	ND		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
Bromomethane	ND		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
2-Butanone	ND		ug/L	10.0	SW846 8260B			8/23/11 14:32	MES	A
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
Chlorobenzene	ND		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
Chloroethane	ND		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
Chloroform	ND		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
Chloromethane	ND		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B			8/23/11 14:32	MES	A
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
cis-1,2-Dichloroethene	2.6		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
2-Hexanone	ND		ug/L	5.0	SW846 8260B			8/23/11 14:32	MES	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B			8/23/11 14:32	MES	A
Methylene Chloride	ND		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
Styrene	ND		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
Tetrachloroethene	1.0		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
Toluene	ND		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			8/23/11 14:32	MES	A
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
Trichloroethene	4.8		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
o-Xylene	ND		ug/L	1.0	SW846 8260B			8/23/11 14:32	MES	A
mp-Xylene	ND		ug/L	2.0	SW846 8260B			8/23/11 14:32	MES	A

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ANALYTICAL RESULTS

Workorder: 9922563 2011-NORTHWEST TRIANGLE

Lab ID:	**9922563007**	Date Collected:	8/19/2011 13:06	Matrix:	Ground Water
Sample ID:	**MW-5S[8-19-11]**	Date Received:	8/19/2011 18:00		

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	99.5		%	62-133	SW846 8260B			8/23/11 14:32	MES	A
4-Bromofluorobenzene (S)	87.5		%	79-114	SW846 8260B			8/23/11 14:32	MES	A
Dibromofluoromethane (S)	87.2		%	78-116	SW846 8260B			8/23/11 14:32	MES	A
Toluene-d8 (S)	99.9		%	76-127	SW846 8260B			8/23/11 14:32	MES	A

Sample Comments:

Anna G Milliken
Technical Manager

ANALYTICAL RESULTS QUALIFIERS\FLAGS

Workorder: 9922563 2011-NORTHWEST TRIANGLE

PARAMETER QUALIFIERS\FLAGS

[1] The surrogate Nitrobenzene-d5 for method SW846 8270D was outside of control limits. The % Recovery was reported as 37.1 and the control limits were 40 to 110. This result was reported at a dilution of 1.

[2] The surrogate 2-Fluorobiphenyl for method SW846 8270D was outside of control limits. The % Recovery was reported as 29.7 and the control limits were 50 to 110. This result was reported at a dilution of 1.

[3] The surrogate Terphenyl-d14 for method SW846 8270D was outside of control limits. The % Recovery was reported as 25.8 and the control limits were 50 to 122. This result was reported at a dilution of 1.

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER INSTRUCTIONS ON THE BACK

Page ___ of ___

Courier: ___

Tracking #: ___

Co. Name: ARM Group Inc.
Contact (Report to): Brad Sick
Address: P.O. Box 797 Hershey, PA 17033
Phone: 717-533-8600

Bill to (if different than Report to):
PO#:

Project Name#: Northeast Triple / 0714-GW ALS Quote #:
TAT: Normal-Standard TAT is 10 business days. Rush-Subject to ALS approval and surcharges.
Date Required:
Approved By:
Email? Fax? Y No:

Sample Description/Location (as it will appear on the lab report)	Sample Date	Military Time	G or C	Matrix	Container Type	Container Size	Preservative	COC Comments
1 MW-2S (8-19-11)	8/19/11	17:05	G	GW	PL	500mL	HNO3	Distilled Lead (field filtered)
2 MW-3S (8-19-11)		16:12			AG	1L	None	8270 - 8.5 (2-Ethylhexyl phthalate) only
3 MW-3B (8-19-11)		16:10			CG	40mL	HCl	Chlorinated VOCs 8260 (Report TCE)
4 MW-4B (8-19-11)		14:30						
5 MW-4S (8-19-11)		14:35						
6 MW-5B (8-19-11)		13:02						
7 MW-5S (8-19-11)		13:06						
8								

Enter Number of Containers Per Analysis

ANALYSES/METHOD REQUESTED

NO 8270D TCLP for MW-5S
We did receive two 8270 bottles labeled MW-4B with correct time on bottles - not on COC.

Cooler Temp: 6.7 Therm. ID: 10/23/24 No. of Cooler: Notes:

Circle appropriate Y or N.
Custody Seals Present? Y N
(If present) Seals Intact? Y N
Received on Ice? Y N
COC/Labels complete/accurate? Y N
Container in good condition? Y N
Correct container? Y N
Correct sample volume? Y N
Correct preservation? Y N
Headspace/Volatiles? Y N

ALS FIELD SERVICES: Pickup, Labor, Composite Sampling, Rental Equipment, Other:

Data Deliverables: Standard, CLP-like, NJ-Reduced, NJ-Full, If yes, format type: Other

SDWA Formats? yes yes yes yes yes

State Samples Collected In? MD NJ NY PA

EDDs Required? DoD Criteria Required?

SAMPLED BY (Please Print): Brad Sick / ARM Group

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 Brad Sick / ARM Group	8/19/11	18:00	2		
3			4		
5			6		
7			8		
9			10		

LOGGED BY (signature): DATE: TIME:
REVIEWED BY (signature): DATE: TIME:

* G=Grab; C=Composite
**Matrix: AIR=Air; DW=Drinking Water; GW=Groundwater; OW=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY

Rev 6/2011

APPENDIX F

Soil Boring and Well Logs

WEAVER'S AUTO BODY

NORTHWEST TRIANGLE INITIATIVE, CITY OF YORK, YORK COUNTY, PENNSYLVANIA

Project: Northwest Triangle
Location: City of York, York County, Pennsylvania
Date: July 19-20, 2007

ARM Project: 07214
ARM Rep.: D. Buterbaugh/J. Janeck
Excavation Contractor: ARM Group

BORING ID AND SUMMARY DESCRIPTION OF SUBSURFACE

Depth	D-SB1	PID	D-SB2	PID	D-SB3	PID	D-SB4	PID	D-SB5	PID	Depth
0	**0.0 - 7.0': Gravelly SAND (SW),** brown, pieces of brick, dry, loose.	0	**0.0 - 7.75': Silty GRAVEL with Sand (GW),** yellowish brown to orange, loose, dry, cinders, brick.	0	**0.0 - 7.5': Silty GRAVEL with Sand (GW)**, yellowish brown to orange, loose, dry, cinders, brick.	0	**0.0 - 5.5': Sandy SILT with Gravel (ML)**, yellowish brown to gray, soft, moist, non-plastic.	0	**0.0 - 2.5': Silty GRAVEL with Sand (GW)**, yellowish brown to gray, looe, cinders, brick.	0	0
1		0		0		0		0		0	1
2		0		0		0		0		0	2
3		0		0		0		0	**2.5' - 7.0': Sandy SILT with Gravel (ML), yellowish brown to gray, medium dense, moist, non-plastic, mottled from 2.5 to 4.0',**	0	3
4		0		0		0		0		77 100	4
5		0		0		0		0		125	5
6		0		0		0	**5.5 - 8.0': Silty CLAY (CL)**, light orangish brown with brown mottles, soft, low plasticity, few sand, trace gravel, wet at 7.75'.	0		150	6
7	**7.0 - 8.0': Sandy GRAVEL (GW)**, loose, moist, some silt.	0		0		0		0	**7.0 - 8.0': Sandy SILT with Gravel (SW)**, yellowish brown to black, medium dense, moist, some coal.	180	7
8	**8.0 - 11.0': Sandy SILT (ML)**, orangish-brown, medium stiff, moist, non-plastic, dark brown mottles.	0	**7.75 - 12.0': SILT(ML)**, yellowish brown with dark brown mottles to dark gray, soft, moist, non-plastic, lttle to trace sand.	0	**7.5 - 9.5': Sandy SILT with Gravel (ML)**, yellowish brown, soft, moist, non-plastic.	0					8
9		0		0		0					9
10		0		0	**9.5 - 12.0': SILT and Fine SAND (ML/SP)**, yellowish brown with dark brown mottles, medium stiff, moist, non-plastic, trace clay.	0					10
11				0		0					11
12					**12.0-12.5': SILTSTONE gravel**	0					12
Termination Depth (bgs)	11.0'		12.0'		12.5'		8.0'		8.0'		Termination Depth (bgs)
Notes	Not sampled		Sampled at 11.5' - 12.0'		Not sampled		Not sampled		Sampled at 7.5' - 8.0'		Notes
Depth to Groundwater	NE		NE		NE		NE		NE		Depth to Groundwater

Note: All depths referenced as approximate depth below the existing surface (bgs)
[ML] - USCS symbol
NE - not encountered
PID = Photo-ionization Detector
PID results in parts per million

WEAVER'S AUTO BODY

NORTHWEST TRIANGLE INITIATIVE, CITY OF YORK, YORK COUNTY, PENNSYLVANIA

Project: Northwest Triangle
Location: City of York, York County, Pennsylvania
Date: July 19-20, 2007

ARM Project: 07214
ARM Rep.: D. Buterbaugh/J. Janick
Excavation Contractor: ARM Group

BORING ID AND SUMMARY DESCRIPTION OF SUBSURFACE

Depth	D-SB6	PID	D-SB7	PID	D-SB8	PID	Depth
0	**0.0 - 4.0': Silty GRAVEL with Sand (GW)**, yellowish brown to black, dry to moist, loose, pieces of brick and coal fragments, petroleum odor.	0	**0.0 - 0.3': Concrete**	0	**0.0 - 0.3': Concrete**	0	0
1		0	**0.3' - 4.0': Silty GRAVEL with Sand (GW)**, dark yellowish brown to black, loose, moist, coal fragments, waste oil odor.		**0.3' - 4.0': SILT and GRAVEL with Sand (ML/GW)**, dark yellowish brown to black, loose, moist, pieces of coal, waste oil odor.	0	1
2		0				0	2
3		0		20		0	3
4	**4.0 - 5.5': Sandy SILT (ML)**, yellowish brown, medium stiff, moist, non-plastic, some gravel, black mottles throughout, petroleum odor.	0					4
5		0					5
6	**5.5 - 7.0': Clayey SILT (ML)**, yellowish brown with dark gray staining, soft to medium dense, moist, few gravel, petroleium odor.	0					6
7	**7.0 - 8.0': Sandy SILT (ML)**, yellowish brown, loose to medium dense, moist, non-plastic, few gravel, slight petroleum odor.	0					7
8							8
Termination Depth (bgs)	**8.0'**		**4.0'**		**4.0'**		**Termination Depth (bgs)**
Notes	**Sampled at 6.0' - 6.5'**		**Sampled at 4.0' - 4.5'**		**Sampled at 4.0' - 4.5'**		**Notes**
Depth to Groundwater	**NE**		**NE**		**NE**		**Depth to Groundwater**

Note: All depths referenced as approximate depth below the existing surface (bgs)
[ML] - USCS symbol
NE - not encountered
PID = Photo-ionization Detector
PID results in parts per million

WEAVER'S AUTO BODY

NORTHWEST TRIANGLE INITIATIVE, CITY OF YORK, YORK COUNTY, PENNSYLVANIA

Project: Northwest Triangle
Location: City of York, York County, Pennsylvania
Date:

ARM Project: 07214
ARM Rep.: S. Fulton/C. Iozza
Excavation Contractor: ARM Group

BORING ID AND SUMMARY DESCRIPTION OF SUBSURFACE

Depth	WADB-1	PID	WADB-2	PID	WADB-3	PID	WADB-4	PID	WADB-5	PID	WADB-6	PID	Depth
0	**GRAVEL and Stone**	0	**GRAVEL and Stone with silt**	0	**GRAVEL**	0	**GRAVEL**	0	**GRAVEL**	0	**GRAVEL,** fill, brick.	0	0
1	**Silty SAND**	0		0	**SILT,** fill, black ash, brown brick.	0	**SILT,** fill, black ash, brown brick.	0	**SILT**, fill, gasoline odor.	0		0	1
2	**Black sandy GRAVEL (coal fines)**	0	**Ash and Stone**	0		0		0		0		0	2
3		0	**SILT,** black, coal fines.	0		0		0		0		0	3
4		0	**Gravelly CLAY,** brown.	0		0		0		0	**CLAY**	0.7	4
5		0		0	**CLAY**, brown, soft, moist.	0	**CLAY**, brown, soft, moist.	0		0	**CINDERS,** black.	0	5
6	**CLAY,** brown, moist.	0		0		0		0		5	**CLAY**, brown.	0	6
7		0	**CLAY,** brown, moist with depth.	0		0		0				0	7
8		0		0		0		0	**CLAY,** Gravelly, gasoiline odor at 12'	7		0	8
9						0		0				0	9
10					**QUARTZITE**		**QUARTZITE**						10
11					**CLAY,** brown, soft, moist.	0	**CLAY,** brown, soft, moist.	0		50			11
12						0		0					12
Termination Depth (bgs)	**8.0'**		**8.0'**		**12.0'**		**12.0'**		**13.0'**		**10.0'**		**Termination Depth (bgs)**
Notes	**Sampled at 7.5' - 8.0'**		**Sampled at 7.5' - 8.0'**		**Not sampled**		**Not sampled**		**Refusal on Limestone at 13.0'. Sampled at 7.5'-8.0' and 11'-11.5'**		**Not sampled**		**Notes**
Depth to Groundwater	**NE**		**NE**		**Saturated soils at 10'**		**Saturated soils at 10'**		**Saturated soils at 10'**		**NE**		**Depth to Groundwater**

Note: All depths referenced as approximate depth below the existing surface (bgs)
NE - not encountered
PID = Photo-ionization Detector
PID results in parts per million

ARM Group Inc.

Earth Resource Engineers and Consultants
1129 West Governor Road • Hershey, PA 17033-0797
(717) 533-8600 fax: (717) 533-8605

Monitoring Well: MW-1S

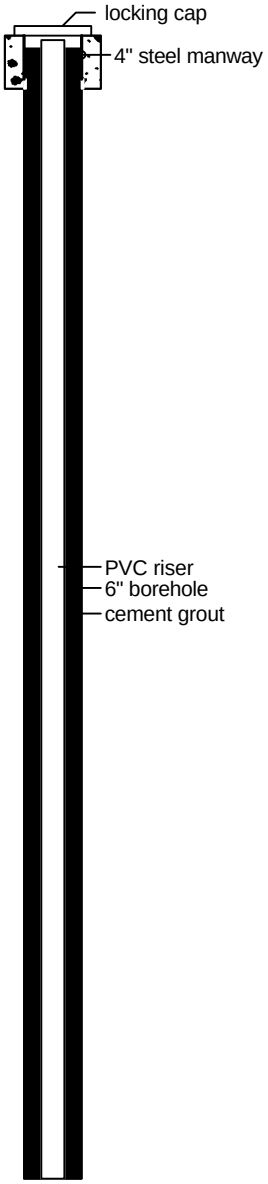
(1 of 2)

Client	: Northwest Triangle
ARM Project	: 07214
Township	: York City
County, State	: York, PA
ARM Representative	: DOB
Checked By	:
Drilling Company	: Eichelbergers
Driller	: Justin Trish

Drilling Equipment	: Schramm Air Rotary
Borehole Diameter	: 6"
Casing Diameter	: 2"
Date Started	: 1/3/08
Date Completed	: 1/4/08
Weather	: 20's, sunny
0 hr Depth to GW	: NA
24 hr Depth to GW	: 38'

Depth (ft.)	Surface Elev.(ft.)	Description	Graphic	Remarks
0		0.0 - 2.0': Fill, gravel, railroad ties.		
		2.0 - 12.5': Sandy CLAY, brown, moist.		PID reading = 0 ppm at 5' PID reading = 0.1 ppm at 7'
5				
10				
		12.5' - 48.0': Limestone, blue to gray.		TOR at 12.5'
15				
20				
25				

Well: MW-1S
TOC Elev.:



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Monitoring Well: MW-1S

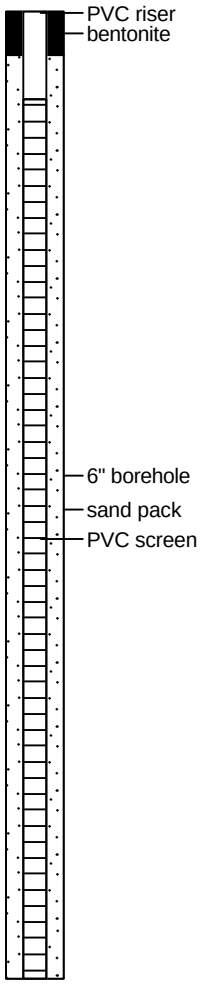
(2 of 2)

Client	: Northwest Triangle
ARM Project	: 07214
Township	: York City
County, State	: York, PA
ARM Representative	: DOB
Checked By	:
Drilling Company	: Eichelbergers
Driller	: Justin Trish

Drilling Equipment	: Schramm Air Rotary
Borehole Diameter	: 6"
Casing Diameter	: 2"
Date Started	: 1/3/08
Date Completed	: 1/4/08
Weather	: 20's, sunny
0 hr Depth to GW	: NA
24 hr Depth to GW	: 38'

Depth (ft.)	Surface Elev.(ft.)	Description	Graphic	Remarks
26				
31				
36				
41				
46				
51		End of Boring at 48.0'		

Well: MW-1S
TOC Elev.:



ARM Group Inc.

Earth Resource Engineers and Consultants
1129 West Governor Road • Hershey, PA 17033-0797
(717) 533-8600 fax: (717) 533-8605

Monitoring Well: MW-2S

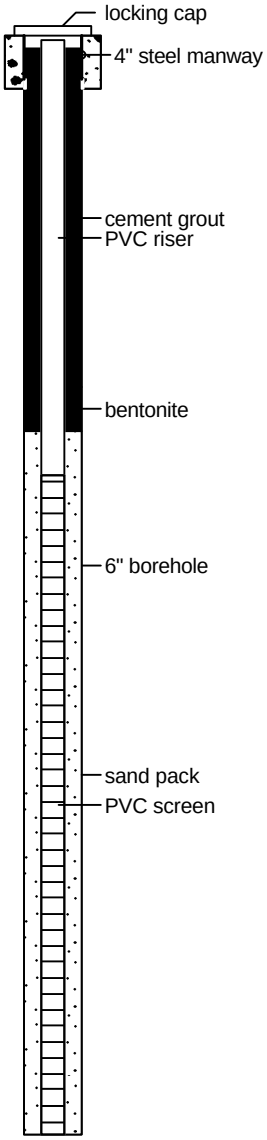
(1 of 1)

Client	: Northwest Triangle
ARM Project	: 07214
Township	: York City
County, State	: York, PA
ARM Representative	: DOB
Checked By	:
Drilling Company	: Eichelbergers
Driller	: Justin Trish

Drilling Equipment	: Schramm Air Rotary
Borehole Diameter	: 6"
Casing Diameter	: 2"
Date Started	: 1/3/08
Date Completed	: 1/3/08
Weather	: 20's, sunny
0 hr Depth to GW	: 13.5' TOG
24 hr Depth to GW	: 13.40' TOC

Depth (ft.)	Surface Elev.(ft.)	Description	Graphic	Remarks
0		0.0 - 9.0': Fill, brown to red to gray, sandy clay, moist, brick, gravel, railroad ties.		
5				PID reading = 0 ppm at 5'
		9.0 - 22.0': Sandy CLAY, brown, moist to wet.		PID reading = 0 ppm at 9'
10				
				Void from 14' to 17'
15				Wet at 17' Odor at 17'
20				
		22.0 - 25.0': Limestone, blue to gray.		TOR at 22'
25		End of Boring at 25.0'		

Well: MW-2S
TOC Elev.:



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ARM Group Inc.
Earth Resource Engineers and Consultants
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(717) 533-8600 fax: (717) 533-8605

Monitoring Well: MW-3S

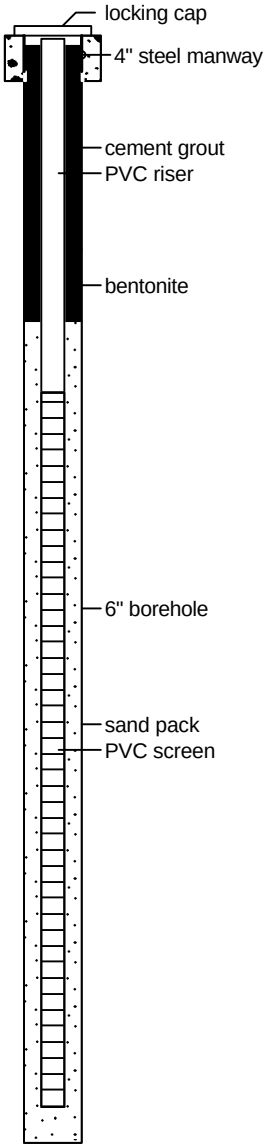
Client	: Northwest Triangle
ARM Project	: 07214
Township	: York City
County, State	: York, PA
ARM Representative	: DOB
Checked By	:
Drilling Company	: Eichelbergers
Driller	: Carey Knaub

Drilling Equipment	: IR Air Rotary
Borehole Diameter	: 6" - 8"
Casing Diameter	: 2"
Date Started	: 6/18/09
Date Completed	: 6/19/09
Weather	: 70's, sunny
0 hr Depth to GW	: 15'
24 hr Depth to GW	: NA

Depth (ft.)	Surface Elev.(ft.)	Description	Remarks
0		0.0 - 8.0': Fill, gravelly silt, brick, coal, ash, brown, red, white, moist to wet.	PID readings = 0 ppm to 7.5'
5			
		8.0' - 9.0': VOID	
10		9.0' - 23.0': FILL, gravelly silt, brick, coal, ash, brown, red, white, moist to wet.	
15			Water at 15'. Water has creosote odor.
20			
		23.0' - 24.0' LIMESTONE, blue, weathered.	Top of Rock at 23'
25		24.0' - 28.0': LIMESTONE, blue, competent.	
		28.0' - 30.5': CLAY, brown, wet.	Water-bearing zone at 28' (~2 gpm)
30		30.5' - 31.0': LIMESTONE, blue, competent.	
		End of boring at 31.0'	

Graphic

Well: MW-3S
TOC Elev.:



ARM Group Inc.

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(717) 533-8600 fax: (717) 533-8605

Monitoring Well: MW-3B

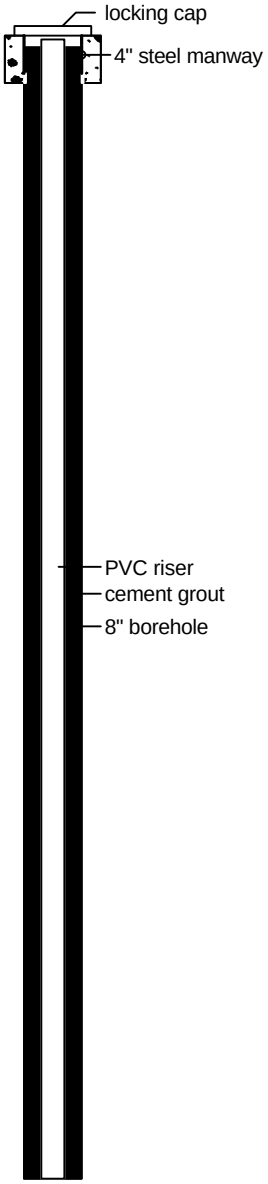
(1 of 5)

Client	: Northwest Triangle
ARM Project	: 07214
Township	: York City
County, State	: York, PA
ARM Representative	: DOB
Checked By	:
Drilling Company	: Eichelbergers
Driller	: Carey Knaub

Drilling Equipment	: IR Air Rotary
Borehole Diameter	: 6" - 8"
Casing Diameter	: 2"
Date Started	: 6/17/09
Date Completed	: 6/18/09
Weather	: 70's, cloudy to raining
0 hr Depth to GW	: 12'
24 hr Depth to GW	: NA

Depth (ft.)	Surface Elev.(ft.)	Description	Graphic	Remarks
0		0.0 - 20.0': Fill, gravelly silt, brick, coal, ash, brown, red, white, moist to wet.		PID readings = 0 ppm to 7.5' 6" steel casing installed to 50'. 8" boring to 50'. 6" boring below 50'.
5				
10				Water at 12'
15				
20		20.0' - 23.0' LIMESTONE, blue, competent.		Top of Rock at 20' Steel casing weld broke at 20'.
		23.0' - 26.0': CLAY, brown, wet.		WBZ at 23', <1 gpm
25		26.0' - 43.0': LIMESTONE, blue, competent.		
30				

Well: MW-3B
TOC Elev.:



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Monitoring Well: MW-3B

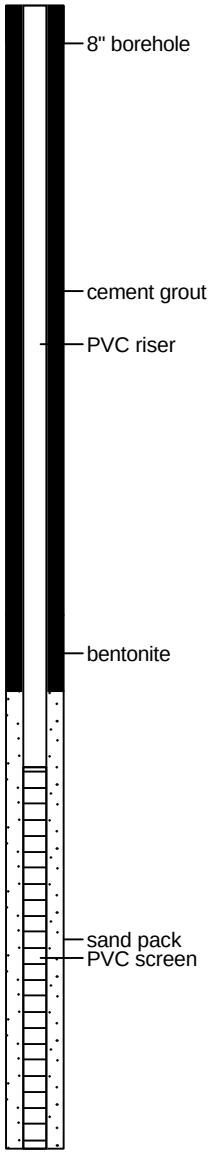
(2 of 5)

Client	: Northwest Triangle
ARM Project	: 07214
Township	: York City
County, State	: York, PA
ARM Representative	: DOB
Checked By	:
Drilling Company	: Eichelbergers
Driller	: Carey Knaub

Drilling Equipment	: IR Air Rotary
Borehole Diameter	: 6" - 8"
Casing Diameter	: 2"
Date Started	: 6/17/09
Date Completed	: 6/18/09
Weather	: 70's, cloudy to raining
0 hr Depth to GW	: 12'
24 hr Depth to GW	: NA

Depth (ft.)	Surface Elev.(ft.)	Description	Graphic	Remarks
30				
35				
40				
		43.0' - 44.0': LIMESTONE, fractured, clay.		WBZ at 43', >1 gpm. Approximately 4 gpm total flow.
		44.0' - 47.0': LIMESTONE, blue, competent.		
45				
		47.0' - 48.0': CLAY, brown, wet.		
		48.0' - 80.0': LIMESTONE, blue, competent.		
50				
55				
60				

Well: MW-3B
TOC Elev.:



Monitoring Well: MW-3B

(3 of 5)

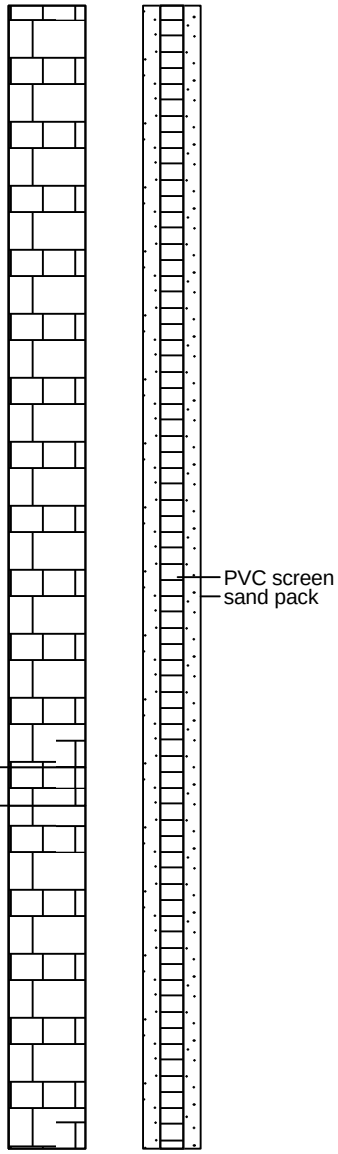
Client	: Northwest Triangle
ARM Project	: 07214
Township	: York City
County, State	: York, PA
ARM Representative	: DOB
Checked By	:
Drilling Company	: Eichelbergers
Driller	: Carey Knaub

Drilling Equipment	: IR Air Rotary
Borehole Diameter	: 6" - 8"
Casing Diameter	: 2"
Date Started	: 6/17/09
Date Completed	: 6/18/09
Weather	: 70's, cloudy to raining
0 hr Depth to GW	: 12'
24 hr Depth to GW	: NA

Depth (ft.)	Surface Elev.(ft.)	Description	Remarks
60			
65			
70			
75			
80		80.0' - 81.0': LIMESTONE, blue, weathered. 81.0' - 113': LIMESTONE, blue, competent.	80' Total flow is 1 gpm
85			
90			

Graphic

Well: MW-3B
TOC Elev.:



Monitoring Well: MW-3B

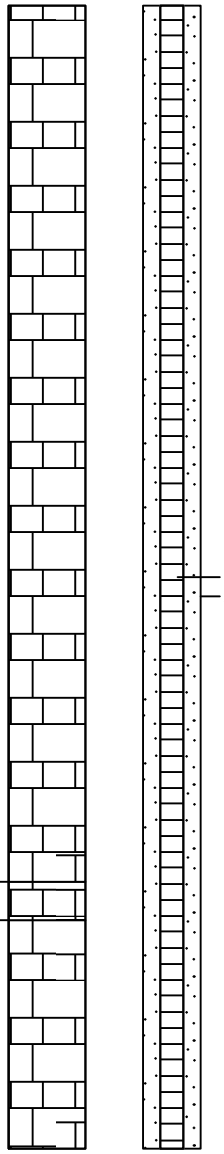
(4 of 5)

Client	: Northwest Triangle
ARM Project	: 07214
Township	: York City
County, State	: York, PA
ARM Representative	: DOB
Checked By	:
Drilling Company	: Eichelbergers
Driller	: Carey Knaub

Drilling Equipment	: IR Air Rotary
Borehole Diameter	: 6" - 8"
Casing Diameter	: 2"
Date Started	: 6/17/09
Date Completed	: 6/18/09
Weather	: 70's, cloudy to raining
0 hr Depth to GW	: 12'
24 hr Depth to GW	: NA

Depth (ft.)	Surface Elev.(ft.)	Description	Graphic	Remarks
90				
95				
100				
105				
110				
		113.0' - 114.0': LIMESTONE, blue, weathered.		
		114' - 130': LIMESTONE, blue, competent.		114' Total flow is 1-2 gpm
115				
120				

Well: MW-3B
TOC Elev.:



Monitoring Well: MW-3B

(5 of 5)

Client	: Northwest Triangle
ARM Project	: 07214
Township	: York City
County, State	: York, PA
ARM Representative	: DOB
Checked By	:
Drilling Company	: Eichelbergers
Driller	: Carey Knaub

Drilling Equipment	: IR Air Rotary
Borehole Diameter	: 6" - 8"
Casing Diameter	: 2"
Date Started	: 6/17/09
Date Completed	: 6/18/09
Weather	: 70's, cloudy to raining
0 hr Depth to GW	: 12'
24 hr Depth to GW	: NA

Depth (ft.)	Surface Elev.(ft.)	Description	Graphic	Well: MW-3B TOC Elev.:	Remarks
120					
125				PVC screen sand pack	
130		End of boring at 130.0'			
135					
140					
145					
150					

ARM Group Inc.
Earth Resource Engineers and Consultants
1129 West Governor Road • Hershey, PA 17033-0797
(717) 533-8600 fax: (717) 533-8605

Monitoring Well: MW-4S

(1 of 1)

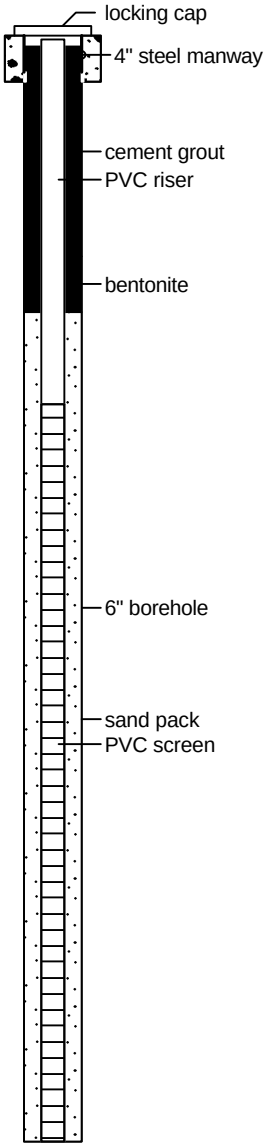
Client	: Northwest Triangle
ARM Project	: 07214
Township	: York City
County, State	: York, PA
ARM Representative	: DOB
Checked By	:
Drilling Company	: Eichelbergers
Driller	: Carey Knaub

Drilling Equipment	: IR Air Rotary
Borehole Diameter	: 8"
Casing Diameter	: 2"
Date Started	: 6/17/09
Date Completed	: 6/17/09
Weather	: 70's, cloudy to raining
0 hr Depth to GW	: 22'
24 hr Depth to GW	: NA

Depth (ft.)	Surface Elev.(ft.)	Description	Remarks
0		0.0 - 0.5': FILL, silt, dark brown to black, moist, organics.	
		0.5' - 1.5': FILL, silty clay with gravel, orange-brown, moist.	PID readings = 0 ppm to 16.0'
5		1.5' - 6.8': FILL, silty clay, orange-brown, moist to wet, little gravel, trace sand, few pieces of brick.	
		6.8' - 8.0': FILL, silty clay, orange-brown to gray-brown, moist, few weathered limestone gravel.	
10		8.0' - 11.5': FILL, gravelly silt, orange-brown to gray-brown, pieces of coal and ash throughout, moist to wet.	
		11.5' - 26.0': clayey silt with fine sand, yellow-brown to gray-brown, wet.	
15			
20			Water at 22'
25		26.0' - 30.0': LIMESTONE, tan, weathered.	Top of Rock at 26'
30		End of boring at 30.0'	

Graphic

Well: MW-4S
TOC Elev.:



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ARM Group Inc.
Earth Resource Engineers and Consultants
1129 West Governor Road • Hershey, PA 17033-0797
(717) 533-8600 fax: (717) 533-8605

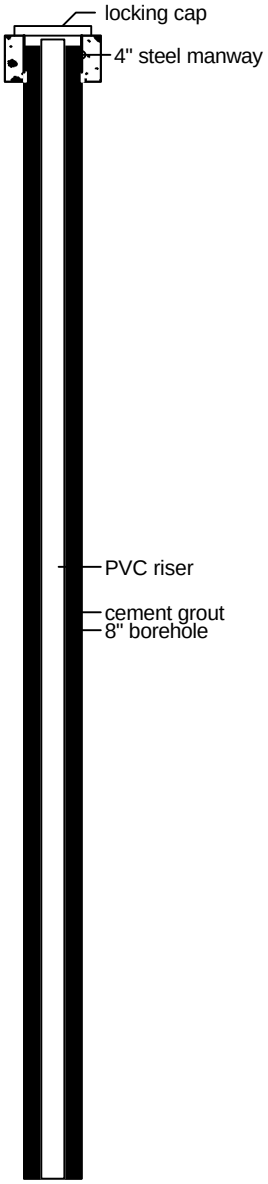
Monitoring Well: MW-4B

Client	: Northwest Triangle
ARM Project	: 07214
Township	: York City
County, State	: York, PA
ARM Representative	: DOB
Checked By	:
Drilling Company	: Eichelbergers
Driller	: Carey Knaub

Drilling Equipment	: IR Air Rotary
Borehole Diameter	: 8"
Casing Diameter	: 2"
Date Started	: 6/16/09
Date Completed	: 6/16/09
Weather	: 70's, cloudy
0 hr Depth to GW	: 25'
24 hr Depth to GW	: NA

Depth (ft.)	Surface Elev.(ft.)	Description	Graphic
0		0.0 - 0.5': FILL, silt, dark brown to black, moist, organics.	
		0.5' - 1.5': FILL, silty clay with gravel, orange-brown, moist.	
		1.5' - 6.8': FILL, silty clay, orange-brown, moist to wet, little gravel, trace sand, few pieces of brick.	
5			
		6.8' - 8.0': FILL, silty clay, orange-brown to gray-brown, moist, few weathered limestone gravel.	
		8.0' - 11.5': FILL, gravelly silt, orange-brown to gray-brown, pieces of coal and ash throughout, moist to wet.	
10			
		11.5' - 25.0': Clayey SILT with fine sand, yellow-brown to gray-brown, wet.	
15			
20			
25		25.0' - 27.0': LIMESTONE, gray, weathered.	
		27.0' - 28.0': LIMESTONE, gray, competent.	
		28.0' - 29.0': LIMESTONE, gray, blue, tan, weathered.	
30		29.0' - 40.0': LIMESTONE, tan, white, competent.	

Well: MW-4B
TOC Elev.:



Remarks

PID readings = 0 ppm to 16.0'
6" steel casing set to 30'.

Water at 25'
Top of Rock at 25'

Monitoring Well: MW-4B

Client	: Northwest Triangle
ARM Project	: 07214
Township	: York City
County, State	: York, PA
ARM Representative	: DOB
Checked By	:
Drilling Company	: Eichelbergers
Driller	: Carey Knaub

Drilling Equipment	: IR Air Rotary
Borehole Diameter	: 8"
Casing Diameter	: 2"
Date Started	: 6/16/09
Date Completed	: 6/16/09
Weather	: 70's, cloudy
0 hr Depth to GW	: 25'
24 hr Depth to GW	: NA

Depth (ft.)	Surface Elev.(ft.)	Description	Graphic	Well: MW-4B TOC Elev.:	Remarks
31					
36					
41		40.0' - 41.0': LIMESTONE, tan, gray, weathered. 41.0' - 54.0': LIMESTONE, tan, gray, competent.		PVC riser cement grout 8" borehole	
46					
51					Total flow approximately 2 gpm.
56		54.0' - 55.0': LIMESTONE, tan, weathered. 55.0' - 65.0': LIMESTONE, tan, blue, competent.			
61					

Monitoring Well: MW-4B

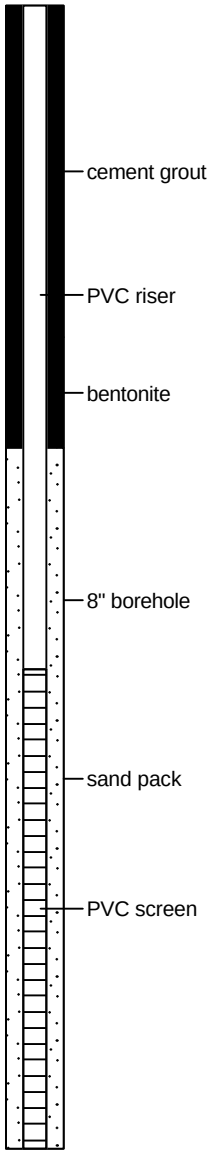
(3 of 5)

Client	: Northwest Triangle
ARM Project	: 07214
Township	: York City
County, State	: York, PA
ARM Representative	: DOB
Checked By	:
Drilling Company	: Eichelbergers
Driller	: Carey Knaub

Drilling Equipment	: IR Air Rotary
Borehole Diameter	: 8"
Casing Diameter	: 2"
Date Started	: 6/16/09
Date Completed	: 6/16/09
Weather	: 70's, cloudy
0 hr Depth to GW	: 25'
24 hr Depth to GW	: NA

Depth (ft.)	Surface Elev.(ft.)	Description	Graphic	Remarks
62				
		65.0' - 66.0': CLAY, brown, wet.		
		66.0' - 85.0': LIMESTONE, tan, blue, competent.		
67				
72				
77				
82				
		85.0' - 86.0': LIMESTONE, tan, blue, weathered.		WBZ at 85', approximately 1 gpm.
87		86.0' - 107.0': LIMESTONE, tan, blue, competent.		
92				

Well: MW-4B
TOC Elev.:



Monitoring Well: MW-4B

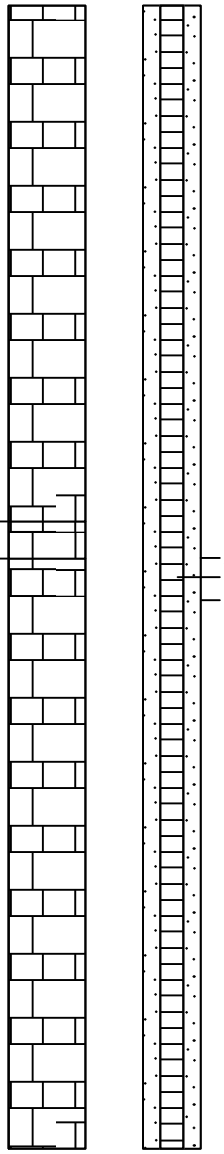
(4 of 5)

Client	: Northwest Triangle
ARM Project	: 07214
Township	: York City
County, State	: York, PA
ARM Representative	: DOB
Checked By	:
Drilling Company	: Eichelbergers
Driller	: Carey Knaub

Drilling Equipment	: IR Air Rotary
Borehole Diameter	: 8"
Casing Diameter	: 2"
Date Started	: 6/16/09
Date Completed	: 6/16/09
Weather	: 70's, cloudy
0 hr Depth to GW	: 25'
24 hr Depth to GW	: NA

Depth (ft.)	Surface Elev.(ft.)	Description	Graphic	Remarks
93				Total flow is approximately 3 gpm.
98				
103				
		107' - 108': LIMESTONE, blue, weathered.		
108		108' - 150': LIMESTONE, blue, competent.		
113				
118				
123				

Well: MW-4B
TOC Elev.:



Monitoring Well: MW-4B

(5 of 5)

Client	: Northwest Triangle
ARM Project	: 07214
Township	: York City
County, State	: York, PA
ARM Representative	: DOB
Checked By	:
Drilling Company	: Eichelbergers
Driller	: Carey Knaub

Drilling Equipment	: IR Air Rotary
Borehole Diameter	: 8"
Casing Diameter	: 2"
Date Started	: 6/16/09
Date Completed	: 6/16/09
Weather	: 70's, cloudy
0 hr Depth to GW	: 25'
24 hr Depth to GW	: NA

Depth (ft.)	Surface Elev.(ft.)	Description	Graphic	Well: MW-4B TOC Elev.:	Remarks
124					
129					
134				sand pack PVC screen 8" borehole	
139					
144					
149		End of Boring at 150'.			
154					

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ARM Group Inc.
Earth Resource Engineers and Consultants
1129 West Governor Road • Hershey, PA 17033-0797
(717) 533-8600 fax: (717) 533-8605

Monitoring Well: MW-5S

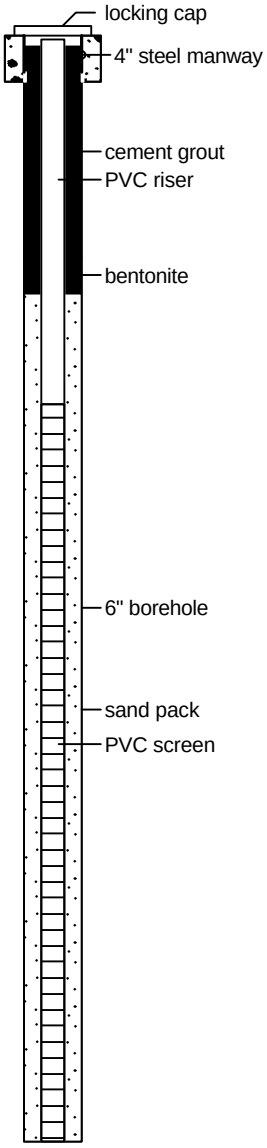
Client	: Northwest Triangle
ARM Project	: 07214
Township	: York City
County, State	: York, PA
ARM Representative	: DOB
Checked By	:
Drilling Company	: Eichelbergers
Driller	: Carey Knaub

Drilling Equipment	: IR Air Rotary
Borehole Diameter	: 8"
Casing Diameter	: 2"
Date Started	: 6/15/09
Date Completed	: 6/16/09
Weather	: 80, sunny
0 hr Depth to GW	: 25'
24 hr Depth to GW	: NA

Depth (ft.)	Surface Elev.(ft.)	Description	Remarks
0		0.0 - 0.6': FILL, silty gravel, dark brown to gray, moist.	
		0.6' - 5.0': FILL, silty clay, yellow-brown, moist, few pieces of brick, coal, and ash throughout.	PID readings = 0 ppm to 10.0'
5		5.0' - 8.5': FILL, gravelly silt, gray-brown, moist, pieces of coal, brick, and ash throughout.	
10		8.5' - 23': FILL, silty clay, orange-brown, moist to wet, little sand, few gravel, pieces of coal and ash.	
15			
20			
		23.0' - 29.0': LIMESTONE, tan, weathered.	Top of Rock at 23'
25			Water at 25'
		29.0' - 30.0': LIMESTONE, blue, competent.	
30		End of boring at 30.0'	

Graphic

Well: MW-5S
TOC Elev.:



ARM Group Inc.
Earth Resource Engineers and Consultants
1129 West Governor Road • Hershey, PA 17033-0797
(717) 533-8600 fax: (717) 533-8605

Monitoring Well: MW-5B

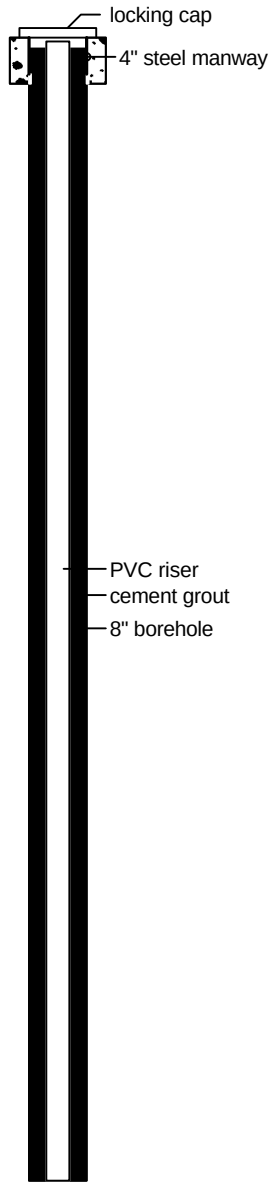
Client	: Northwest Triangle
ARM Project	: 07214
Township	: York City
County, State	: York, PA
ARM Representative	: DOB
Checked By	:
Drilling Company	: Eichelbergers
Driller	: Carey Knaub

Drilling Equipment	: IR Air Rotary
Borehole Diameter	: 8" to 33', 6" below 33'
Casing Diameter	: 2"
Date Started	: 6/15/09
Date Completed	: 6/16/09
Weather	: 80, sunny
0 hr Depth to GW	: 29'
24 hr Depth to GW	: NA

Depth (ft.)	Surface Elev.(ft.)	Description	Remarks
0		0.0 - 0.6': FILL, silty gravel, dark brown to gray, moist.	
		0.6' - 5.0': FILL, silty clay, yellow-brown, moist, few pieces of brick, coal, and ash throughout.	PID readings = 0 ppm to 10.0' 6" steel casing set to 33'
5		5.0' - 8.5': FILL, gravelly silt, gray-brown, moist, pieces of coal, brick, and ash throughout.	
10		8.5' - 23': FILL, silty clay, orange-brown, moist to wet, little sand, few gravel, pieces of coal and ash.	
15			
20			
		23.0' - 29.0': LIMESTONE, blue, tan, slightly weathered, some calcite.	Top of Rock at 23'
25			
		29.0' - 30.0': VOID.	Water at 29' (<1 gpm)
30		30.0' - 54.0': LIMESTONE, blue, competent.	

Graphic

Well: MW-5B
TOC Elev.:



Monitoring Well: MW-5B

(2 of 5)

Client	: Northwest Triangle
ARM Project	: 07214
Township	: York City
County, State	: York, PA
ARM Representative	: DOB
Checked By	:
Drilling Company	: Eichelbergers
Driller	: Carey Knaub

Drilling Equipment	: IR Air Rotary
Borehole Diameter	: 8" to 33', 6" below 33'
Casing Diameter	: 2"
Date Started	: 6/15/09
Date Completed	: 6/16/09
Weather	: 80, sunny
0 hr Depth to GW	: 29'
24 hr Depth to GW	: NA

Depth (ft.)	Surface Elev.(ft.)	Description	Graphic	Well: MW-5B TOC Elev.:	Remarks
31					
36				PVC riser	
41					
46				cement grout 8" borehole	
51					
		54.0' - 55.0': LIMESTONE, brown, blue, weathered.		PVC screen	WBZ at 54' (approximately 1 gpm)
56		55.0' - 64': LIMESTONE, blue, competent.			
61					

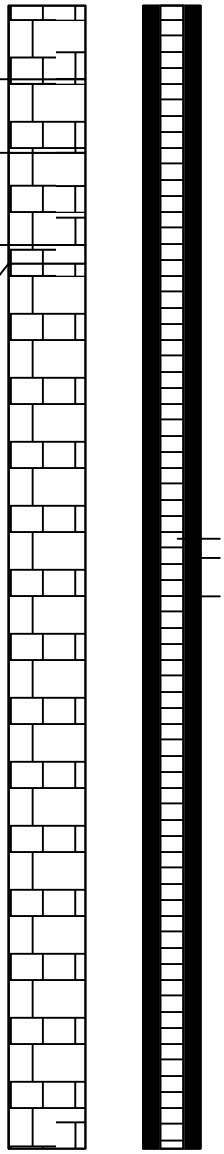
Monitoring Well: MW-5B

(3 of 5)

Client	: Northwest Triangle
ARM Project	: 07214
Township	: York City
County, State	: York, PA
ARM Representative	: DOB
Checked By	:
Drilling Company	: Eichelbergers
Driller	: Carey Knaub

Drilling Equipment	: IR Air Rotary
Borehole Diameter	: 8" to 33', 6" below 33'
Casing Diameter	: 2"
Date Started	: 6/15/09
Date Completed	: 6/16/09
Weather	: 80, sunny
0 hr Depth to GW	: 29'
24 hr Depth to GW	: NA

Depth (ft.)	Surface Elev.(ft.)	Description	Graphic	Well: MW-5B TOC Elev.:	Remarks
62					
		64.0' - 66.0': LIMESTONE, blue, weathered.			
		66.0' - 68.5': LIMESTONE, blue, competent.			
67					
		68.5' - 69.0': LIMESTONE, blue, weathered.			
		69.0' - 150.0': LIMESTONE, blue, competent.			Very little flow after 69'
72					
77				PVC screen cement grout 8" borehole	
82					
87					
92					



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Monitoring Well: MW-5B

(4 of 5)

Client	: Northwest Triangle
ARM Project	: 07214
Township	: York City
County, State	: York, PA
ARM Representative	: DOB
Checked By	:
Drilling Company	: Eichelbergers
Driller	: Carey Knaub

Drilling Equipment	: IR Air Rotary
Borehole Diameter	: 8" to 33', 6" below 33'
Casing Diameter	: 2"
Date Started	: 6/15/09
Date Completed	: 6/16/09
Weather	: 80, sunny
0 hr Depth to GW	: 29'
24 hr Depth to GW	: NA

Depth (ft.)	Surface Elev.(ft.)	Description	Graphic	Well: MW-5B TOC Elev.:	Remarks
93				cement grout	
				bentonite	
98					
103					
				PVC screen	
108				8" borehole	
				sand pack	
113					
118					
123					

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Monitoring Well: MW-5B

(5 of 5)

Client	: Northwest Triangle
ARM Project	: 07214
Township	: York City
County, State	: York, PA
ARM Representative	: DOB
Checked By	:
Drilling Company	: Eichelbergers
Driller	: Carey Knaub

Drilling Equipment	: IR Air Rotary
Borehole Diameter	: 8" to 33', 6" below 33'
Casing Diameter	: 2"
Date Started	: 6/15/09
Date Completed	: 6/16/09
Weather	: 80, sunny
0 hr Depth to GW	: 29'
24 hr Depth to GW	: NA

Depth (ft.)	Surface Elev.(ft.)	Description	Graphic	Well: MW-5B TOC Elev.:	Remarks
124					
129					
134				PVC screen sand pack 8" borehole	
139					
144					
149		End of Boring at 150'.			
154					

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APPENDIX G

Attainment Laboratory Analytical Results

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

Certificate of Analysis

Project Name:	NWT-YORK	Workorder:	9778210
Purchase Order:	07214	Workorder ID:	NWT-YORK (03/04/09)

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

March 6, 2009

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Wednesday, March 04, 2009

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAC accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALSI.

NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Steve Fulton

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Laboratory Manager

ANALYTICAL LABORATORY SERVICES, INC.
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34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

SAMPLE SUMMARY

Workorder: 9778210 NWT-YORK (03/04/09) Discard Date: 03/20/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9778210001	York Rail S-1	Solid	3/4/09 14:00	3/4/09 15:40	Joe Janick
9778210002	York Rail S-2	Solid	3/4/09 14:00	3/4/09 15:40	Joe Janick
9778210003	York Rail S-3	Solid	3/4/09 14:00	3/4/09 15:40	Joe Janick
9778210004	York Rail S-4	Solid	3/4/09 14:00	3/4/09 15:40	Joe Janick
9778210005	York Rail S-5	Solid	3/4/09 14:00	3/4/09 15:40	Joe Janick
9778210006	York Rail S-6	Solid	3/4/09 14:00	3/4/09 15:40	Joe Janick
9778210007	York Rail S-7	Solid	3/4/09 14:00	3/4/09 15:40	Joe Janick
9778210008	York Rail S-8	Solid	3/4/09 14:00	3/4/09 15:40	Joe Janick
9778210009	York Rail S-9	Solid	3/4/09 14:00	3/4/09 15:40	Joe Janick
9778210010	York Rail S-10	Solid	3/4/09 14:00	3/4/09 15:40	Joe Janick
9778210011	York Rail S-11	Solid	3/4/09 14:00	3/4/09 15:40	Joe Janick
9778210012	York Rail S-12	Solid	3/4/09 14:00	3/4/09 15:40	Joe Janick

Workorder Comments:

Notes

- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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PA 22-293 NJ PA010
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9778210 NWT-YORK (03/04/09)

Lab ID: **9778210001** Date Collected: 3/4/2009 14:00 Matrix: Solid
Sample ID: **York Rail S-1** Date Received: 3/4/2009 15:40

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	12.6		%	0.1	SM20-2540 G			3/4/09 00:37	JEP	A
Total Solids	87.4		%	0.1	SM20-2540 G			3/4/09 00:37	JEP	A
METALS										
Arsenic, Total	6.7		mg/kg	2.9	SW846 6010C	3/5/09	MNP	3/6/09 02:52	SRT	A
Lead, Total	22.7		mg/kg	1.9	SW846 6010C	3/5/09	MNP	3/6/09 02:52	SRT	A

Sample Comments:

Anna G Milliken
Laboratory Manager

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
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PA 22-293 NJ PA010
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9778210 NWT-YORK (03/04/09)

Lab ID: **9778210002** Date Collected: 3/4/2009 14:00 Matrix: Solid
Sample ID: **York Rail S-2** Date Received: 3/4/2009 15:40

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	13.9		%	0.1	SM20-2540 G			3/4/09 00:37	JEP	A
Total Solids	86.1		%	0.1	SM20-2540 G			3/4/09 00:37	JEP	A
METALS										
Arsenic, Total	11.6		mg/kg	3.5	SW846 6010C	3/5/09	MNP	3/6/09 02:56	SRT	A
Lead, Total	29.2		mg/kg	2.3	SW846 6010C	3/5/09	MNP	3/6/09 02:56	SRT	A

Sample Comments:

Anna G Milliken
Laboratory Manager

ANALYTICAL LABORATORY SERVICES, INC.
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34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9778210 NWT-YORK (03/04/09)

Lab ID: **9778210003** Date Collected: 3/4/2009 14:00 Matrix: Solid
Sample ID: **York Rail S-3** Date Received: 3/4/2009 15:40

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	22.3		%	0.1	SM20-2540 G			3/4/09 00:37	JEP	A
Total Solids	77.7		%	0.1	SM20-2540 G			3/4/09 00:37	JEP	A
METALS										
Arsenic, Total	9.6		mg/kg	3.6	SW846 6010C	3/5/09	MNP	3/6/09 03:00	SRT	A
Lead, Total	229		mg/kg	2.4	SW846 6010C	3/5/09	MNP	3/6/09 03:00	SRT	A

Sample Comments:

Anna G Milliken
Laboratory Manager

ANALYTICAL LABORATORY SERVICES, INC.

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NELAP Accredited
PA 22-293 NJ PA010

34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9778210 NWT-YORK (03/04/09)

Lab ID: **9778210004** Date Collected: 3/4/2009 14:00 Matrix: Solid

Sample ID: **York Rail S-4** Date Received: 3/4/2009 15:40

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	27.5		%	0.1	SM20-2540 G			3/4/09 00:37	JEP	A
Total Solids	72.5		%	0.1	SM20-2540 G			3/4/09 00:37	JEP	A
METALS										
Arsenic, Total	15.8		mg/kg	4.1	SW846 6010C	3/5/09	MNP	3/6/09 03:04	SRT	A
Lead, Total	269		mg/kg	2.7	SW846 6010C	3/5/09	MNP	3/6/09 03:04	SRT	A

Sample Comments:

Anna G Milliken
Laboratory Manager

ANALYTICAL LABORATORY SERVICES, INC.
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PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9778210 NWT-YORK (03/04/09)

Lab ID: **9778210005** Date Collected: 3/4/2009 14:00 Matrix: Solid
Sample ID: **York Rail S-5** Date Received: 3/4/2009 15:40

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	16.4		%	0.1	SM20-2540 G			3/4/09 00:37	JEP	A
Total Solids	83.6		%	0.1	SM20-2540 G			3/4/09 00:37	JEP	A
METALS										
Arsenic, Total	10.5		mg/kg	3.1	SW846 6010C	3/5/09	MNP	3/6/09 03:08	SRT	A
Lead, Total	305		mg/kg	2.1	SW846 6010C	3/5/09	MNP	3/6/09 03:08	SRT	A

Sample Comments:

Anna G Milliken
Laboratory Manager

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
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PA 22-293 NJ PA010
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34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9778210 NWT-YORK (03/04/09)

Lab ID: **9778210006** Date Collected: 3/4/2009 14:00 Matrix: Solid
Sample ID: **York Rail S-6** Date Received: 3/4/2009 15:40

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	17.6		%	0.1	SM20-2540 G			3/4/09 00:37	JEP	A
Total Solids	82.4		%	0.1	SM20-2540 G			3/4/09 00:37	JEP	A
METALS										
Arsenic, Total	8.4		mg/kg	3.4	SW846 6010C	3/5/09	MNP	3/6/09 03:19	SRT	A
Lead, Total	149		mg/kg	2.2	SW846 6010C	3/5/09	MNP	3/6/09 03:19	SRT	A

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9778210 NWT-YORK (03/04/09)

Lab ID: **9778210007** Date Collected: 3/4/2009 14:00 Matrix: Solid
Sample ID: **York Rail S-7** Date Received: 3/4/2009 15:40

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	13.4		%	0.1	SM20-2540 G			3/4/09 00:37	JEP	A
Total Solids	86.6		%	0.1	SM20-2540 G			3/4/09 00:37	JEP	A
METALS										
Arsenic, Total	9.7		mg/kg	3.1	SW846 6010C	3/5/09	MNP	3/6/09 03:23	SRT	A
Lead, Total	123		mg/kg	2.1	SW846 6010C	3/5/09	MNP	3/6/09 03:23	SRT	A

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9778210 NWT-YORK (03/04/09)

Lab ID: **9778210008** Date Collected: 3/4/2009 14:00 Matrix: Solid

Sample ID: **York Rail S-8** Date Received: 3/4/2009 15:40

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	22.9		%	0.1	SM20-2540 G			3/4/09 00:37	JEP	A
Total Solids	77.1		%	0.1	SM20-2540 G			3/4/09 00:37	JEP	A
METALS										
Arsenic, Total	10.9		mg/kg	3.5	SW846 6010C	3/5/09	MNP	3/6/09 03:27	SRT	A
Lead, Total	24.3		mg/kg	2.3	SW846 6010C	3/5/09	MNP	3/6/09 03:27	SRT	A

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9778210 NWT-YORK (03/04/09)

Lab ID: **9778210009** Date Collected: 3/4/2009 14:00 Matrix: Solid
Sample ID: **York Rail S-9** Date Received: 3/4/2009 15:40

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	21.7		%	0.1	SM20-2540 G			3/4/09 00:37	JEP	A
Total Solids	78.3		%	0.1	SM20-2540 G			3/4/09 00:37	JEP	A
METALS										
Arsenic, Total	8.6		mg/kg	3.4	SW846 6010C	3/5/09	MNP	3/6/09 03:31	SRT	A
Lead, Total	228		mg/kg	2.3	SW846 6010C	3/5/09	MNP	3/6/09 03:31	SRT	A

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9778210 NWT-YORK (03/04/09)

Lab ID: **9778210010** Date Collected: 3/4/2009 14:00 Matrix: Solid
Sample ID: **York Rail S-10** Date Received: 3/4/2009 15:40

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	14.9		%	0.1	SM20-2540 G			3/4/09 00:37	JEP	A
Total Solids	85.1		%	0.1	SM20-2540 G			3/4/09 00:37	JEP	A
METALS										
Arsenic, Total	6.4		mg/kg	2.9	SW846 6010C	3/5/09	MNP	3/6/09 03:35	SRT	A
Lead, Total	130		mg/kg	2.0	SW846 6010C	3/5/09	MNP	3/6/09 03:35	SRT	A

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9778210 NWT-YORK (03/04/09)

Lab ID: **9778210011** Date Collected: 3/4/2009 14:00 Matrix: Solid

Sample ID: **York Rail S-11** Date Received: 3/4/2009 15:40

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	13.7		%	0.1	SM20-2540 G			3/4/09 00:37	JEP	A
Total Solids	86.3		%	0.1	SM20-2540 G			3/4/09 00:37	JEP	A
METALS										
Arsenic, Total	8.8		mg/kg	3.0	SW846 6010C	3/5/09	MNP	3/6/09 03:38	SRT	A
Lead, Total	53.4		mg/kg	2.0	SW846 6010C	3/5/09	MNP	3/6/09 03:38	SRT	A

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9778210 NWT-YORK (03/04/09)

Lab ID: **9778210012** Date Collected: 3/4/2009 14:00 Matrix: Solid
Sample ID: **York Rail S-12** Date Received: 3/4/2009 15:40

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	14.9		%	0.1	SM20-2540 G			3/4/09 00:37	JEP	A
Total Solids	85.1		%	0.1	SM20-2540 G			3/4/09 00:37	JEP	A
METALS										
Arsenic, Total	10.6		mg/kg	3.3	SW846 6010C	3/5/09	MNP	3/6/09 03:42	SRT	A
Lead, Total	94.5		mg/kg	2.2	SW846 6010C	3/5/09	MNP	3/6/09 03:42	SRT	A

Sample Comments:

Anna G Milliken
Laboratory Manager

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 2
Courier:
Tracking #:

Co. Name: ARM Group
Contact (Report to): Steve Fulton
Phone: 717-533-8600
Address: 1129 W. Governor Rd, Hershey, PA 17033

Bill to (if different than Report to):
PO#:

Project Name/#: York NWT / 07214
ALSI Quote #:
TAT: [ ] Normal-Standard TAT is 10-12 business days. [X] Rush-Subject to ALSI approval and surcharges. 48 hr
Date Required: 03/06/09
Approved By:
Email? [X] Y sfulton@armgroupinc.net
Fax? [ ] Y No:

Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Pb, As, TS
1 York Rail S-1		3/4/09	1540	G	SO	1
2 York Rail S-2						1
3 York Rail S-3						1
4 York Rail S-4						1
5 York Rail S-5						1
6 York Rail S-6						1
7 York Rail S-7						1
8 York Rail S-8						1

***Container Type: AG
***Container Size: 8oz
***Preservative: None

ANALYSES/METHOD REQUESTED — Enter Number of Containers Per Analysis

Receipt Information (completed by lab/courier): Performed by: JS INITIAL HERE
Cooler Temp: 7
Therm. ID: 1(CC)
No. of Coolers:
Notes:

Circle appropriate Y or N.: Correct containers? Y N; Correct sample volumes? Y N; Correct preservation? Y N; Headspace/Volatiles? Y N; Custody seals Present? Y N; (If present) Seals intact? Y N; Received on ice? Y N; COC/Labels complete/accurate? Y N; Container in good condition? Y N

SAMPLED BY (Please Print): Joe Janicki
LOGGED BY (signature): DATE 3/4/09 TIME 2011
REVIEWED BY (signature): DATE 03/05/09 TIME 2144

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 Joe Janicki / ARM	3/4/09	1540	2	3/4/09	1540
3			4		
5			6		
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] other
EDDs Required? [ ] If yes, format type:
SDWA Forms? yes / yes / yes / yes
State Samples Collected In? MD / NJ / NY / PA / Other
DOD Criteria Required?

ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite
**Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.
Rev 6/07

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 2 of 2
Courier:
Tracking #:
COC#: 9778210

Co. Name: ARM Group
Contact (Report to): Steve Felton
Phone: 717-533-8600
Address: 1129 W. Governor Rd
Hershey, PA 17033

Bill to (if different than Report to):
PO#:

Project Name/#: York NWT/07214
ALSI Quote #:
TAT: [ ] Normal-Standard TAT is 10-12 business days. [X] Rush-Subject to ALSI approval and surcharges. 48-hr
Date Required:
Approved By:
Email? [X] Y sfelton@armgroup.net
Fax? [ ] Y No:

**Container Type: AG
**Container Size: 8oz
Preservative: None

ANALYSES/METHOD REQUESTED: Pb, As, Tl

Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Pb, As, Tl									
1 York Rail S-9		3/4/09	1400	G	SO	1									
2 York Rail S-10		3/4/09	1400	G	SO	1									
3 York Rail S-11		3/4/09	1400	G	SO	1									
4 York Rail S-12		3/4/09	1400	G	SO	1									
5															
6															
7															
8															

Enter Number of Containers Per Analysis

Receipt Information (completed by Sample Receiving)
Performed by: [signature]
Cooler Temp: 1
Therm. ID: 5/4/35
No. of Coolers:
Notes:

Circle appropriate Y or N.
Correct containers? Y N
Correct sample volume? Y N
Correct preservation? Y N
Headspace/Volatiles? Y N
Custody seals Present? Y N
(If present) Seals Intact? Y N
Received on Ice? Y N
COC/Labels complete/accurate? Y N
Container in good condition? Y N

SAMPLED BY (Please Print): Joe Janick
LOGGED BY (signature): [signature] DATE 3/11/09 TIME 911
REVIEWED BY (signature): [signature] DATE 03/05/09 TIME 2:44

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	[signature] / ARM	3/4/09	1540	2	[signature]	3/4/09	1540
3				4			
5				6			
7				8			
9				10			

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] other
EDDs Required? [ ] If yes, format type: Other
SDWA Forms? yes [ ] yes [ ] yes [ ] yes [ ]
State Samples Collected In? MD [ ] NJ [ ] NY [ ] PA [ ]
DOD Criteria Required?

ALSI FIELD SERVICES
[ ] Pickup
[ ] Labor
[ ] Composite Sampling
[ ] Rental Equipment
[ ] Other:

* G=Grab; C=Composite **Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.
Rev 8/07

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Certificate of Analysis

Project Name:	**NWT-YORK**	Workorder:	**9779133**
Purchase Order:	**07214**	Workorder ID:	**NWT-YORK (03/10/09)**

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

March 12, 2009

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Tuesday, March 10, 2009

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAC accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALSI.

NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Steve Fulton

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Laboratory Manager

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SAMPLE SUMMARY

Workorder: 9779133 NWT-YORK (03/10/09) Discard Date: 03/26/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9779133001	KCW2-S1[1']3-09	Solid	3/10/09 11:45	3/10/09 15:05	Dan Buterbaugh
9779133002	KCW2-S2[1']3-09	Solid	3/10/09 11:47	3/10/09 15:05	Dan Buterbaugh
9779133003	KCW2-S3[6"]3-09	Solid	3/10/09 11:49	3/10/09 15:05	Dan Buterbaugh
9779133004	KCW2-S4[6"]3-09	Solid	3/10/09 11:50	3/10/09 15:05	Dan Buterbaugh
9779133005	KCW2-S5[1']3-09	Solid	3/10/09 11:52	3/10/09 15:05	Dan Buterbaugh
9779133006	KCW2-S6[8"]3-09	Solid	3/10/09 11:54	3/10/09 15:05	Dan Buterbaugh
9779133007	KCW2-S7[1']3-09	Solid	3/10/09 11:57	3/10/09 15:05	Dan Buterbaugh
9779133008	KCW2-S8[1']3-09	Solid	3/10/09 11:59	3/10/09 15:05	Dan Buterbaugh

Workorder Comments:

Notes

- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9779133 NWT-YORK (03/10/09)

Lab ID: **9779133001** Date Collected: 3/10/2009 11:45 Matrix: Solid
Sample ID: **KCW2-S1[1']3-09** Date Received: 3/10/2009 15:05

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	14.8		%	0.1	SM20-2540 G			3/11/09 07:14	EL	A
Total Solids	85.2		%	0.1	SM20-2540 G			3/11/09 07:14	EL	A
METALS										
Lead, Total	74.3		mg/kg	2.2	SW846 6010C	3/11/09	MNP	3/11/09 10:53	TED	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9779133 NWT-YORK (03/10/09)

Lab ID: **9779133002** Date Collected: 3/10/2009 11:47 Matrix: Solid

Sample ID: **KCW2-S2[1']3-09** Date Received: 3/10/2009 15:05

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	12.1		%	0.1	SM20-2540 G			3/11/09 07:14	EL	A
Total Solids	87.9		%	0.1	SM20-2540 G			3/11/09 07:14	EL	A
METALS										
Lead, Total	32.1		mg/kg	2.3	SW846 6010C	3/11/09	MNP	3/11/09 10:58	TED	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9779133 NWT-YORK (03/10/09)

Lab ID: **9779133003** Date Collected: 3/10/2009 11:49 Matrix: Solid
Sample ID: **KCW2-S3[6"]3-09** Date Received: 3/10/2009 15:05

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	14.4		%	0.1	SM20-2540 G			3/11/09 07:14	EL	A
Total Solids	85.6		%	0.1	SM20-2540 G			3/11/09 07:14	EL	A
METALS										
Lead, Total	275		mg/kg	2.2	SW846 6010C	3/11/09	MNP	3/11/09 11:10	TED	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9779133 NWT-YORK (03/10/09)

Lab ID: **9779133004** Date Collected: 3/10/2009 11:50 Matrix: Solid
Sample ID: **KCW2-S4[6"]3-09** Date Received: 3/10/2009 15:05

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	21.0		%	0.1	SM20-2540 G			3/11/09 07:14	EL	A
Total Solids	79.0		%	0.1	SM20-2540 G			3/11/09 07:14	EL	A
METALS										
Lead, Total	144		mg/kg	2.4	SW846 6010C	3/11/09	MNP	3/11/09 11:14	TED	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9779133 NWT-YORK (03/10/09)

Lab ID: **9779133005** Date Collected: 3/10/2009 11:52 Matrix: Solid

Sample ID: **KCW2-S5[1']3-09** Date Received: 3/10/2009 15:05

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	19.8		%	0.1	SM20-2540 G			3/11/09 07:14	EL	A
Total Solids	80.2		%	0.1	SM20-2540 G			3/11/09 07:14	EL	A
METALS										
Lead, Total	75.2		mg/kg	2.3	SW846 6010C	3/11/09	MNP	3/11/09 11:18	TED	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9779133 NWT-YORK (03/10/09)

Lab ID: **9779133006** Date Collected: 3/10/2009 11:54 Matrix: Solid
Sample ID: **KCW2-S6[8"]3-09** Date Received: 3/10/2009 15:05

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	18.3		%	0.1	SM20-2540 G			3/11/09 07:14	EL	A
Total Solids	81.7		%	0.1	SM20-2540 G			3/11/09 07:14	EL	A
METALS										
Lead, Total	110		mg/kg	2.3	SW846 6010C	3/11/09	MNP	3/11/09 11:23	TED	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9779133 NWT-YORK (03/10/09)

Lab ID: **9779133007** Date Collected: 3/10/2009 11:57 Matrix: Solid
Sample ID: **KCW2-S7[1']3-09** Date Received: 3/10/2009 15:05

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	12.7		%	0.1	SM20-2540 G			3/11/09 07:14	EL	A
Total Solids	87.3		%	0.1	SM20-2540 G			3/11/09 07:14	EL	A
METALS										
Lead, Total	24.1		mg/kg	1.9	SW846 6010C	3/11/09	MNP	3/11/09 11:37	TED	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9779133 NWT-YORK (03/10/09)

Lab ID: **9779133008** Date Collected: 3/10/2009 11:59 Matrix: Solid
Sample ID: **KCW2-S8[1']3-09** Date Received: 3/10/2009 15:05

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	10.2		%	0.1	SM20-2540 G			3/11/09 07:14	EL	A
Total Solids	89.8		%	0.1	SM20-2540 G			3/11/09 07:14	EL	A
METALS										
Lead, Total	28.4		mg/kg	2.0	SW846 6010C	3/11/09	MNP	3/11/09 11:41	TED	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 1
Courier:
Tracking #:

Co. Name: ARM Group
Contact (Report to): D Butterbaugh / S Fulton
Phone:
Address: Hershey PA

Bill to (if different than Report to):
PO#:

Project Name/#: NWT York / 07214
ALSI Quote #:

TAT: [ ] Normal-Standard TAT is 10-12 business days. [X] Rush-Subject to ALSI approval and surcharges.
Date Required: 3/12/09
Approved By:

Email? [X] -Y dbutterbaugh@armgroup.net
Fax? [ ] -Y No.: Sfulton@armgroup.net

***Container Type: 4oz
***Container Size: G
***Preservative: —

ANALYSES/METHOD REQUESTED: Total Pb

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Total Pb
1	KCW2-S1(1')3-09	41	3/10/09	1145	G	S	1
2	KCW2-S2(1')3-09	22		1147			1
3	KCW2-S3(6")3-09	50		1149			1
4	KCW2-S4(6")3-09	30		1150			1
5	KCW2-S5(1')3-09	32		1152			1
6	KCW2-S6(8")3-09	10		1154			1
7	KCW2-S7(1')3-09	02		1157			1
8	KCW2-S8(1')3-09	12		1159			1

Enter Number of Containers Per Analysis

Receipt Information (completed by Sample Receiver)
Performed by: [signature]
Cooler Temp: 10
Therm. ID: S102355
No. of Coolers:
Notes:

Sample	Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Circle appropriate Y or N.
1	Y	Y	Y	Y	
2	Y	Y	Y	Y	
3	Y	Y	Y	Y	
4	Y	Y	Y	Y	
5	Y	Y	Y	Y	
6	Y	Y	Y	Y	
7	Y	Y	Y	Y	
8	Y	Y	Y	Y	

Custody seals Present? (if present) Seals intact? Received on ice? COC/Labels complete/accurate? Container in good condition?

SAMPLED BY (Please Print): D Butterbaugh
LOGGED BY (signature): [signature] DATE: 3/10 TIME: 1052
REVIEWED BY (signature): [signature] DATE: 03/11/09 TIME: 1128

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 [signature]	3/10/09	1505	2 [signature]	3/10	1505
3			4		
5			6		
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] [ ] If yes, format type:
EDDs Required?
SDWA Forms? yes / yes / yes / yes
State Samples Collected in? MD / NJ / NY / PA
Other
Enter PWSID No.
DOD Criteria Required?

ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

*G=Grab; C=Composite **Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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Certificate of Analysis

Project Name:	NWT-YORK	Workorder:	9779025
Purchase Order:	07214	Workorder ID:	NWT-YORK (03/09/09)

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

March 12, 2009

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Tuesday, March 10, 2009

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAC accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALSI.

NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Steve Fulton

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Laboratory Manager

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SAMPLE SUMMARY

Workorder: 9779025 NWT-YORK (03/09/09) Discard Date: 03/26/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9779025001	WAB-S1(7')3-09	Solid	3/9/09 10:28	3/10/09 06:25	Dan Buterbaugh
9779025002	WAB-S2(9')3-09	Solid	3/9/09 10:31	3/10/09 06:25	Dan Buterbaugh
9779025003	WAB-S3(7')3-09	Solid	3/9/09 10:35	3/10/09 06:25	Dan Buterbaugh
9779025004	WAB-S4(9')3-09	Solid	3/9/09 10:40	3/10/09 06:25	Dan Buterbaugh
9779025005	WAB-S5(7')3-09	Solid	3/9/09 10:42	3/10/09 06:25	Dan Buterbaugh
9779025006	WAB-S6(7')3-09	Solid	3/9/09 10:45	3/10/09 06:25	Dan Buterbaugh
9779025007	WAB-S7(9')3-09	Solid	3/9/09 10:48	3/10/09 06:25	Dan Buterbaugh
9779025008	WAB-S8(9')3-09	Solid	3/9/09 10:50	3/10/09 06:25	Dan Buterbaugh

Workorder Comments:

Notes

- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9779025 NWT-YORK (03/09/09)

Lab ID: **9779025001** Date Collected: 3/9/2009 10:28 Matrix: Solid
Sample ID: **WAB-S1(7')3-09** Date Received: 3/10/2009 06:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/kg	112	8260/5035	3/10/09	MES	3/11/09 06:29	MES	B
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	91.2		%	71-146	8260/5035	3/10/09	MES	3/11/09 06:29	MES	B
4-Bromofluorobenzene (S)	76.4		%	46-138	8260/5035	3/10/09	MES	3/11/09 06:29	MES	B
Dibromofluoromethane (S)	95		%	42-143	8260/5035	3/10/09	MES	3/11/09 06:29	MES	B
Toluene-d8 (S)	109		%	54-141	8260/5035	3/10/09	MES	3/11/09 06:29	MES	B
WET CHEMISTRY										
Moisture	19.5		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A
Total Solids	80.5		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9779025 NWT-YORK (03/09/09)

Lab ID: **9779025002** Date Collected: 3/9/2009 10:31 Matrix: Solid
Sample ID: **WAB-S2(9')3-09** Date Received: 3/10/2009 06:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/kg	52.0	8260/5035	3/10/09	MES	3/11/09 06:56	MES	B
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	84.7		%	71-146	8260/5035	3/10/09	MES	3/11/09 06:56	MES	B
4-Bromofluorobenzene (S)	73		%	46-138	8260/5035	3/10/09	MES	3/11/09 06:56	MES	B
Dibromofluoromethane (S)	88.1		%	42-143	8260/5035	3/10/09	MES	3/11/09 06:56	MES	B
Toluene-d8 (S)	105		%	54-141	8260/5035	3/10/09	MES	3/11/09 06:56	MES	B
WET CHEMISTRY										
Moisture	16.9		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A
Total Solids	83.1		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9779025 NWT-YORK (03/09/09)

Lab ID: **9779025003** Date Collected: 3/9/2009 10:35 Matrix: Solid

Sample ID: **WAB-S3(7')3-09** Date Received: 3/10/2009 06:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/kg	58.1	8260/5035	3/10/09	MES	3/11/09 07:23	MES	B
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	81.1		%	71-146	8260/5035	3/10/09	MES	3/11/09 07:23	MES	B
4-Bromofluorobenzene (S)	69		%	46-138	8260/5035	3/10/09	MES	3/11/09 07:23	MES	B
Dibromofluoromethane (S)	87.2		%	42-143	8260/5035	3/10/09	MES	3/11/09 07:23	MES	B
Toluene-d8 (S)	102		%	54-141	8260/5035	3/10/09	MES	3/11/09 07:23	MES	B
WET CHEMISTRY										
Moisture	27.1		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A
Total Solids	72.9		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9779025 NWT-YORK (03/09/09)

Lab ID: **9779025004** Date Collected: 3/9/2009 10:40 Matrix: Solid
Sample ID: **WAB-S4(9')3-09** Date Received: 3/10/2009 06:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/kg	57.9	8260/5035	3/10/09	MES	3/11/09 07:50	MES	B
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	85.7		%	71-146	8260/5035	3/10/09	MES	3/11/09 07:50	MES	B
4-Bromofluorobenzene (S)	75.6		%	46-138	8260/5035	3/10/09	MES	3/11/09 07:50	MES	B
Dibromofluoromethane (S)	90.3		%	42-143	8260/5035	3/10/09	MES	3/11/09 07:50	MES	B
Toluene-d8 (S)	106		%	54-141	8260/5035	3/10/09	MES	3/11/09 07:50	MES	B
WET CHEMISTRY										
Moisture	13.8		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A
Total Solids	86.2		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9779025 NWT-YORK (03/09/09)

Lab ID: **9779025005** Date Collected: 3/9/2009 10:42 Matrix: Solid
Sample ID: **WAB-S5(7')3-09** Date Received: 3/10/2009 06:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/kg	54.2	8260/5035	3/10/09	MES	3/11/09 08:17	MES	B
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	82.5		%	71-146	8260/5035	3/10/09	MES	3/11/09 08:17	MES	B
4-Bromofluorobenzene (S)	69.2		%	46-138	8260/5035	3/10/09	MES	3/11/09 08:17	MES	B
Dibromofluoromethane (S)	87.6		%	42-143	8260/5035	3/10/09	MES	3/11/09 08:17	MES	B
Toluene-d8 (S)	99.2		%	54-141	8260/5035	3/10/09	MES	3/11/09 08:17	MES	B
WET CHEMISTRY										
Moisture	20.9		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A
Total Solids	79.1		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9779025 NWT-YORK (03/09/09)

Lab ID: **9779025006** Date Collected: 3/9/2009 10:45 Matrix: Solid
Sample ID: **WAB-S6(7')3-09** Date Received: 3/10/2009 06:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/kg	54.1	8260/5035	3/10/09	MES	3/11/09 08:45	MES	B
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	87.9		%	71-146	8260/5035	3/10/09	MES	3/11/09 08:45	MES	B
4-Bromofluorobenzene (S)	74.2		%	46-138	8260/5035	3/10/09	MES	3/11/09 08:45	MES	B
Dibromofluoromethane (S)	93.8		%	42-143	8260/5035	3/10/09	MES	3/11/09 08:45	MES	B
Toluene-d8 (S)	104		%	54-141	8260/5035	3/10/09	MES	3/11/09 08:45	MES	B
WET CHEMISTRY										
Moisture	19.1		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A
Total Solids	80.9		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9779025 NWT-YORK (03/09/09)

Lab ID: **9779025007** Date Collected: 3/9/2009 10:48 Matrix: Solid
Sample ID: **WAB-S7(9')3-09** Date Received: 3/10/2009 06:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/kg	63.2	8260/5035	3/10/09	MES	3/11/09 09:12	MES	B
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	87.6		%	71-146	8260/5035	3/10/09	MES	3/11/09 09:12	MES	B
4-Bromofluorobenzene (S)	73.8		%	46-138	8260/5035	3/10/09	MES	3/11/09 09:12	MES	B
Dibromofluoromethane (S)	92.3		%	42-143	8260/5035	3/10/09	MES	3/11/09 09:12	MES	B
Toluene-d8 (S)	105		%	54-141	8260/5035	3/10/09	MES	3/11/09 09:12	MES	B
WET CHEMISTRY										
Moisture	17.1		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A
Total Solids	82.9		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9779025 NWT-YORK (03/09/09)

Lab ID: **9779025008** Date Collected: 3/9/2009 10:50 Matrix: Solid
Sample ID: **WAB-S8(9')3-09** Date Received: 3/10/2009 06:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/kg	73.8	8260/5035	3/10/09	MES	3/11/09 09:39	MES	B
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	88.5		%	71-146	8260/5035	3/10/09	MES	3/11/09 09:39	MES	B
4-Bromofluorobenzene (S)	72.1		%	46-138	8260/5035	3/10/09	MES	3/11/09 09:39	MES	B
Dibromofluoromethane (S)	93.1		%	42-143	8260/5035	3/10/09	MES	3/11/09 09:39	MES	B
Toluene-d8 (S)	106		%	54-141	8260/5035	3/10/09	MES	3/11/09 09:39	MES	B
WET CHEMISTRY										
Moisture	16.1		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A
Total Solids	83.9		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A

Sample Comments:

Anna G Milliken
Laboratory Manager

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34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

Certificate of Analysis

Project Name:	NWT-YORK	Workorder:	9779024
Purchase Order:	07214	Workorder ID:	NWT-YORK (03/09/09)

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

March 12, 2009

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Tuesday, March 10, 2009

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAC accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALSI.

NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Steve Fulton

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Laboratory Manager

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SAMPLE SUMMARY

Workorder: 9779024 NWT-YORK (03/09/09) Discard Date: 03/26/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9779024001	WAB-X1(7')3-09	Solid	3/9/09 14:55	3/10/09 06:25	Dan Buterbaugh
9779024002	WAB-X2(9')3-09	Solid	3/9/09 14:59	3/10/09 06:25	Dan Buterbaugh
9779024003	WAB-X3(7')3-09	Solid	3/9/09 15:01	3/10/09 06:25	Dan Buterbaugh
9779024004	WAB-X4(9')3-09	Solid	3/9/09 15:03	3/10/09 06:25	Dan Buterbaugh
9779024005	WAB-X5(9')3-09	Solid	3/9/09 15:05	3/10/09 06:25	Dan Buterbaugh
9779024006	WAB-X6(9')3-09	Solid	3/9/09 15:07	3/10/09 06:25	Dan Buterbaugh
9779024007	WAB-X7(7')3-09	Solid	3/9/09 15:09	3/10/09 06:25	Dan Buterbaugh
9779024008	WAB-X8(9')3-09	Solid	3/9/09 15:11	3/10/09 06:25	Dan Buterbaugh

Workorder Comments:

Notes

- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9779024 NWT-YORK (03/09/09)

Lab ID: **9779024001** Date Collected: 3/9/2009 14:55 Matrix: Solid
Sample ID: **WAB-X1(7')3-09** Date Received: 3/10/2009 06:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/kg	67.5	8260/5035	3/10/09	MES	3/11/09 02:53	MES	B
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	88.4		%	71-146	8260/5035	3/10/09	MES	3/11/09 02:53	MES	B
4-Bromofluorobenzene (S)	75.5		%	46-138	8260/5035	3/10/09	MES	3/11/09 02:53	MES	B
Dibromofluoromethane (S)	94		%	42-143	8260/5035	3/10/09	MES	3/11/09 02:53	MES	B
Toluene-d8 (S)	112		%	54-141	8260/5035	3/10/09	MES	3/11/09 02:53	MES	B
WET CHEMISTRY										
Moisture	22.1		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A
Total Solids	77.9		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9779024 NWT-YORK (03/09/09)

Lab ID: **9779024002** Date Collected: 3/9/2009 14:59 Matrix: Solid
Sample ID: **WAB-X2(9')3-09** Date Received: 3/10/2009 06:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/kg	80.7	8260/5035	3/10/09	MES	3/11/09 03:20	MES	B
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	86		%	71-146	8260/5035	3/10/09	MES	3/11/09 03:20	MES	B
4-Bromofluorobenzene (S)	72.2		%	46-138	8260/5035	3/10/09	MES	3/11/09 03:20	MES	B
Dibromofluoromethane (S)	91.5		%	42-143	8260/5035	3/10/09	MES	3/11/09 03:20	MES	B
Toluene-d8 (S)	104		%	54-141	8260/5035	3/10/09	MES	3/11/09 03:20	MES	B
WET CHEMISTRY										
Moisture	23.1		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A
Total Solids	76.9		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9779024 NWT-YORK (03/09/09)

Lab ID: **9779024003** Date Collected: 3/9/2009 15:01 Matrix: Solid

Sample ID: **WAB-X3(7')3-09** Date Received: 3/10/2009 06:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/kg	61.9	8260/5035	3/10/09	MES	3/11/09 03:47	MES	B
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	85.4		%	71-146	8260/5035	3/10/09	MES	3/11/09 03:47	MES	B
4-Bromofluorobenzene (S)	73.1		%	46-138	8260/5035	3/10/09	MES	3/11/09 03:47	MES	B
Dibromofluoromethane (S)	89.7		%	42-143	8260/5035	3/10/09	MES	3/11/09 03:47	MES	B
Toluene-d8 (S)	108		%	54-141	8260/5035	3/10/09	MES	3/11/09 03:47	MES	B
WET CHEMISTRY										
Moisture	18.1		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A
Total Solids	81.9		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9779024 NWT-YORK (03/09/09)

Lab ID: **9779024004** Date Collected: 3/9/2009 15:03 Matrix: Solid
Sample ID: **WAB-X4(9')3-09** Date Received: 3/10/2009 06:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/kg	67.8	8260/5035	3/10/09	MES	3/11/09 04:14	MES	B
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	85.8		%	71-146	8260/5035	3/10/09	MES	3/11/09 04:14	MES	B
4-Bromofluorobenzene (S)	73.1		%	46-138	8260/5035	3/10/09	MES	3/11/09 04:14	MES	B
Dibromofluoromethane (S)	92.7		%	42-143	8260/5035	3/10/09	MES	3/11/09 04:14	MES	B
Toluene-d8 (S)	105		%	54-141	8260/5035	3/10/09	MES	3/11/09 04:14	MES	B
WET CHEMISTRY										
Moisture	20.6		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A
Total Solids	79.4		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9779024 NWT-YORK (03/09/09)

Lab ID: **9779024005** Date Collected: 3/9/2009 15:05 Matrix: Solid
Sample ID: **WAB-X5(9')3-09** Date Received: 3/10/2009 06:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/kg	80.5	8260/5035	3/10/09	MES	3/11/09 04:41	MES	B
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	79.5		%	71-146	8260/5035	3/10/09	MES	3/11/09 04:41	MES	B
4-Bromofluorobenzene (S)	69.2		%	46-138	8260/5035	3/10/09	MES	3/11/09 04:41	MES	B
Dibromofluoromethane (S)	85.3		%	42-143	8260/5035	3/10/09	MES	3/11/09 04:41	MES	B
Toluene-d8 (S)	104		%	54-141	8260/5035	3/10/09	MES	3/11/09 04:41	MES	B
WET CHEMISTRY										
Moisture	26.8		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A
Total Solids	73.2		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9779024 NWT-YORK (03/09/09)

Lab ID: **9779024006** Date Collected: 3/9/2009 15:07 Matrix: Solid
Sample ID: **WAB-X6(9')3-09** Date Received: 3/10/2009 06:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/kg	69.0	8260/5035	3/10/09	MES	3/11/09 05:08	MES	B
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	80		%	71-146	8260/5035	3/10/09	MES	3/11/09 05:08	MES	B
4-Bromofluorobenzene (S)	70.6		%	46-138	8260/5035	3/10/09	MES	3/11/09 05:08	MES	B
Dibromofluoromethane (S)	84.6		%	42-143	8260/5035	3/10/09	MES	3/11/09 05:08	MES	B
Toluene-d8 (S)	101		%	54-141	8260/5035	3/10/09	MES	3/11/09 05:08	MES	B
WET CHEMISTRY										
Moisture	24.2		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A
Total Solids	75.8		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9779024 NWT-YORK (03/09/09)

Lab ID: **9779024007** Date Collected: 3/9/2009 15:09 Matrix: Solid
Sample ID: **WAB-X7(7')3-09** Date Received: 3/10/2009 06:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/kg	61.3	8260/5035	3/10/09	MES	3/11/09 05:35	MES	B
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	85		%	71-146	8260/5035	3/10/09	MES	3/11/09 05:35	MES	B
4-Bromofluorobenzene (S)	71.9		%	46-138	8260/5035	3/10/09	MES	3/11/09 05:35	MES	B
Dibromofluoromethane (S)	89.7		%	42-143	8260/5035	3/10/09	MES	3/11/09 05:35	MES	B
Toluene-d8 (S)	105		%	54-141	8260/5035	3/10/09	MES	3/11/09 05:35	MES	B
WET CHEMISTRY										
Moisture	19.3		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A
Total Solids	80.7		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9779024 NWT-YORK (03/09/09)

Lab ID: **9779024008** Date Collected: 3/9/2009 15:11 Matrix: Solid

Sample ID: **WAB-X8(9')3-09** Date Received: 3/10/2009 06:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/kg	61.9	8260/5035	3/10/09	MES	3/11/09 06:02	MES	B
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	86.5		%	71-146	8260/5035	3/10/09	MES	3/11/09 06:02	MES	B
4-Bromofluorobenzene (S)	72.1		%	46-138	8260/5035	3/10/09	MES	3/11/09 06:02	MES	B
Dibromofluoromethane (S)	93		%	42-143	8260/5035	3/10/09	MES	3/11/09 06:02	MES	B
Toluene-d8 (S)	107		%	54-141	8260/5035	3/10/09	MES	3/11/09 06:02	MES	B
WET CHEMISTRY										
Moisture	16.6		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A
Total Solids	83.4		%	0.1	SM20-2540 G			3/10/09 10:10	KMW	A

Sample Comments:

Anna G Milliken
Laboratory Manager

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 1
Courier:
Tracking #:

Co. Name: ARM Group
Contact (Report to): D Butterbaugh / S Fulton
Phone:
Address: Hershey PA

Bill to (if different than Report to):
PO#:

Project Name/#: NWT York / 07214
ALSI Quote #:

TAT: [ ] Normal-Standard TAT is 10-12 business days. [X] Rush-Subject to ALSI approval and surcharges.
Date Required: 3/11/09
Approved By:

Email? [X] -Y. dbutterbaugh@armgroup.net
Fax? [ ] -Y. No.: sfulton@armgroup.net

***Container Type: G
***Container Size: 8oz
*** Preservative: —

ANALYSES/METHOD REQUESTED: Benzene

Enter Number of Containers Per Analysis

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Benzene
1	WAB-X1 (7') 3-09	05	3/9/09	1455	G	S	1
2	WAB-X2 (9') 3-09	13		1459			1
3	WAB-X3 (7') 3-09	03		1501			1
4	WAB-X4 (9') 3-09	33		1503			1
5	WAB-X5 (9') 3-09	11		1505			1
6	WAB-X6 (9') 3-09	31		1507			1
7	WAB-X7 (7') 3-09	01		1509			1
8	WAB-X8 (9') 3-09	45		1511			1

Recalpt Information (completed by Sample Receiver)
Performed by: [illegible]
Cooler Temp: 6°C
Therm. ID: 5602355T
No. of Coolers:
Notes:

Sample	Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Circle appropriate Y or N.
1	Y	Y	Y	Y	
2	N	N	N	N	
3	Y	Y	Y	Y	
4	Y	Y	Y	Y	
5	Y	Y	Y	Y	
6	Y	Y	Y	Y	
7	Y	Y	Y	Y	
8	Y	Y	Y	Y	

Custody seals Present? (if present) Seals intact? Received on ice? COC/Labels complete/accurate? Container in good condition?

SAMPLED BY (Please Print): D Butterbaugh
LOGGED BY (signature): [signature] DATE: 3/10/09 TIME: 0115
REVIEWED BY (signature): [signature] DATE: 03/11/09 TIME: 0922

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 [signature]	3/10/09	6625	2 [signature]	03/10/09	06:25
3			4		
5			6		
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] If yes, format type: EDDs Required?
SDWA Forms? yes / yes / yes / yes
State Samples Collected In? MD / NJ / NY / PA
Other:
DOD Criteria Required?

ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite **Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass; PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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Rev 6/07

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Certificate of Analysis

Project Name:	NWT-YORK	Workorder:	9777732
Purchase Order:	07214	Workorder ID:	NWT NewYork(07214)

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

March 3, 2009

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Saturday, February 28, 2009

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

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Analytical Laboratory Services, Inc.

Anna G Milliken
Laboratory Manager

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

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SAMPLE SUMMARY

Workorder: 9777732 NWT NewYork(07214) Discard Date: 03/17/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9777732001	BC-S1(3')2-09	Solid	2/27/09 12:37	2/28/09 09:30	Dan Buterbaugh
9777732002	BC-S2(3')2-09	Solid	2/27/09 12:42	2/28/09 09:30	Dan Buterbaugh
9777732003	BC-S3(3')2-09	Solid	2/27/09 12:45	2/28/09 09:30	Dan Buterbaugh
9777732004	BC-S4(3')2-09	Solid	2/27/09 12:50	2/28/09 09:30	Dan Buterbaugh
9777732005	BC-S5(3')2-09	Solid	2/27/09 12:51	2/28/09 09:30	Dan Buterbaugh
9777732006	BC-S6(3')2-09	Solid	2/27/09 12:55	2/28/09 09:30	Dan Buterbaugh
9777732007	BC-S7(3')2-09	Solid	2/27/09 13:00	2/28/09 09:30	Dan Buterbaugh
9777732008	BC-S8(3')2-09	Solid	2/27/09 13:05	2/28/09 09:30	Dan Buterbaugh
9777732009	BC-S9(3')2-09	Solid	2/27/09 13:05	2/28/09 09:30	Dan Buterbaugh
9777732010	BC-S10(3')2-09	Solid	2/27/09 13:08	2/28/09 09:30	Dan Buterbaugh
9777732011	BC-S11(3')2-09	Solid	2/27/09 13:10	2/28/09 09:30	Dan Buterbaugh
9777732012	BC-S12(3')2-09	Solid	2/27/09 13:15	2/28/09 09:30	Dan Buterbaugh

Workorder Comments:

Notes

- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9777732 NWT NewYork(07214)

Lab ID: **9777732001** Date Collected: 2/27/2009 12:37 Matrix: Solid

Sample ID: **BC-S1(3')2-09** Date Received: 2/28/2009 09:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	21.9		%	0.1	SM20-2540 G			3/2/09 12:20	LAD	A
Total Solids	78.1		%	0.1	SM20-2540 G			3/2/09 12:20	LAD	A
METALS										
Arsenic, Total	9.4		mg/kg	3.6	SW846 6010C	3/2/09	MNP	3/2/09 12:00	TED	A1
Lead, Total	18.1		mg/kg	2.4	SW846 6010C	3/2/09	MNP	3/2/09 12:00	TED	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9777732 NWT NewYork(07214)

Lab ID: **9777732002** Date Collected: 2/27/2009 12:42 Matrix: Solid
Sample ID: **BC-S2(3')2-09** Date Received: 2/28/2009 09:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	20.6		%	0.1	SM20-2540 G			3/2/09 12:20	LAD	A
Total Solids	79.4		%	0.1	SM20-2540 G			3/2/09 12:20	LAD	A
METALS										
Arsenic, Total	ND		mg/kg	3.3	SW846 6010C	3/2/09	MNP	3/2/09 12:03	TED	A1
Lead, Total	5.2		mg/kg	2.2	SW846 6010C	3/2/09	MNP	3/2/09 12:03	TED	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9777732 NWT NewYork(07214)

Lab ID:	**9777732003**	Date Collected:	2/27/2009 12:45	Matrix:	Solid
Sample ID:	**BC-S3(3')2-09**	Date Received:	2/28/2009 09:30		

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	25.8		%	0.1	SM20-2540 G			3/2/09 12:20	LAD	A
Total Solids	74.2		%	0.1	SM20-2540 G			3/2/09 12:20	LAD	A
METALS										
Arsenic, Total	6.0		mg/kg	4.0	SW846 6010C	3/2/09	MNP	3/2/09 12:15	TED	A1
Lead, Total	13.9		mg/kg	2.7	SW846 6010C	3/2/09	MNP	3/2/09 12:15	TED	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9777732 NWT NewYork(07214)

Lab ID: **9777732004** Date Collected: 2/27/2009 12:50 Matrix: Solid

Sample ID: **BC-S4(3')2-09** Date Received: 2/28/2009 09:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	22.6		%	0.1	SM20-2540 G			3/2/09 12:20	LAD	A
Total Solids	77.4		%	0.1	SM20-2540 G			3/2/09 12:20	LAD	A
METALS										
Arsenic, Total	5.9		mg/kg	3.8	SW846 6010C	3/2/09	MNP	3/2/09 12:27	TED	A1
Lead, Total	14.1		mg/kg	2.5	SW846 6010C	3/2/09	MNP	3/2/09 12:27	TED	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9777732 NWT NewYork(07214)

Lab ID: **9777732005** Date Collected: 2/27/2009 12:51 Matrix: Solid
Sample ID: **BC-S5(3')2-09** Date Received: 2/28/2009 09:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	22.8		%	0.1	SM20-2540 G			3/2/09 12:20	LAD	A
Total Solids	77.2		%	0.1	SM20-2540 G			3/2/09 12:20	LAD	A
METALS										
Arsenic, Total	4.7		mg/kg	3.7	SW846 6010C	3/2/09	MNP	3/2/09 12:31	TED	A1
Lead, Total	20.1		mg/kg	2.4	SW846 6010C	3/2/09	MNP	3/2/09 12:31	TED	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9777732 NWT NewYork(07214)

Lab ID: **9777732006** Date Collected: 2/27/2009 12:55 Matrix: Solid

Sample ID: **BC-S6(3')2-09** Date Received: 2/28/2009 09:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	15.1		%	0.1	SM20-2540 G			3/2/09 12:20	LAD	A
Total Solids	84.9		%	0.1	SM20-2540 G			3/2/09 12:20	LAD	A
METALS										
Arsenic, Total	8.9		mg/kg	3.3	SW846 6010C	3/2/09	MNP	3/2/09 12:34	TED	A1
Lead, Total	9.7		mg/kg	2.2	SW846 6010C	3/2/09	MNP	3/2/09 12:34	TED	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9777732 NWT NewYork(07214)

Lab ID: **9777732007** Date Collected: 2/27/2009 13:00 Matrix: Solid
Sample ID: **BC-S7(3')2-09** Date Received: 2/28/2009 09:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	20.9		%	0.1	SM20-2540 G			3/2/09 12:20	LAD	A
Total Solids	79.1		%	0.1	SM20-2540 G			3/2/09 12:20	LAD	A
METALS										
Arsenic, Total	5.7		mg/kg	3.4	SW846 6010C	3/2/09	MNP	3/2/09 12:38	TED	A1
Lead, Total	15.2		mg/kg	2.3	SW846 6010C	3/2/09	MNP	3/2/09 12:38	TED	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9777732 NWT NewYork(07214)

Lab ID: **9777732008** Date Collected: 2/27/2009 13:05 Matrix: Solid
Sample ID: **BC-S8(3')2-09** Date Received: 2/28/2009 09:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	23.3		%	0.1	SM20-2540 G			3/2/09 12:20	LAD	A
Total Solids	76.7		%	0.1	SM20-2540 G			3/2/09 12:20	LAD	A
METALS										
Arsenic, Total	5.8		mg/kg	3.9	SW846 6010C	3/2/09	MNP	3/2/09 12:42	TED	A1
Lead, Total	19.5		mg/kg	2.6	SW846 6010C	3/2/09	MNP	3/2/09 12:42	TED	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9777732 NWT NewYork(07214)

Lab ID: **9777732009** Date Collected: 2/27/2009 13:05 Matrix: Solid
Sample ID: **BC-S9(3')2-09** Date Received: 2/28/2009 09:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	21.2		%	0.1	SM20-2540 G			3/2/09 12:20	LAD	A
Total Solids	78.8		%	0.1	SM20-2540 G			3/2/09 12:20	LAD	A
METALS										
Arsenic, Total	ND		mg/kg	3.7	SW846 6010C	3/2/09	MNP	3/2/09 12:46	TED	A1
Lead, Total	12.1		mg/kg	2.5	SW846 6010C	3/2/09	MNP	3/2/09 12:46	TED	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9777732 NWT NewYork(07214)

Lab ID: **9777732010** Date Collected: 2/27/2009 13:08 Matrix: Solid
Sample ID: **BC-S10(3')2-09** Date Received: 2/28/2009 09:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	24.1		%	0.1	SM20-2540 G			3/2/09 12:20	LAD	A
Total Solids	75.9		%	0.1	SM20-2540 G			3/2/09 12:20	LAD	A
METALS										
Arsenic, Total	4.2		mg/kg	3.3	SW846 6010C	3/2/09	MNP	3/2/09 12:50	TED	A1
Lead, Total	12.3		mg/kg	2.2	SW846 6010C	3/2/09	MNP	3/2/09 12:50	TED	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9777732 NWT NewYork(07214)

Lab ID: **9777732011** Date Collected: 2/27/2009 13:10 Matrix: Solid
Sample ID: **BC-S11(3')2-09** Date Received: 2/28/2009 09:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	22.2		%	0.1	SM20-2540 G			3/2/09 12:20	LAD	A
Total Solids	77.8		%	0.1	SM20-2540 G			3/2/09 12:20	LAD	A
METALS										
Arsenic, Total	10.6		mg/kg	3.7	SW846 6010C	3/2/09	MNP	3/2/09 13:01	TED	A1
Lead, Total	170		mg/kg	2.5	SW846 6010C	3/2/09	MNP	3/2/09 13:01	TED	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9777732 NWT NewYork(07214)

Lab ID: **9777732012** Date Collected: 2/27/2009 13:15 Matrix: Solid
Sample ID: **BC-S12(3')2-09** Date Received: 2/28/2009 09:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	12.9		%	0.1	SM20-2540 G			3/2/09 12:20	LAD	A
Total Solids	87.1		%	0.1	SM20-2540 G			3/2/09 12:20	LAD	A
METALS										
Arsenic, Total	17.9		mg/kg	3.1	SW846 6010C	3/2/09	MNP	3/2/09 13:05	TED	A1
Lead, Total	10.7		mg/kg	2.1	SW846 6010C	3/2/09	MNP	3/2/09 13:05	TED	A1

Sample Comments:

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Laboratory Manager

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Certificate of Analysis

Project Name:	NWT-YORK	Workorder:	9777956
Purchase Order:	07214	Workorder ID:	NWT-YORK (03/03/09)

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

March 6, 2009

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Tuesday, March 03, 2009

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAC accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALSI.

NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Steve Fulton

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Laboratory Manager

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SAMPLE SUMMARY

Workorder: 9777956 NWT-YORK (03/03/09) Discard Date: 03/20/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9777956001	BC2-S1 (6") 3-09	Solid	3/3/09 11:25	3/3/09 17:15	Dan Buterbaugh
9777956002	BC2-S2 (10") 3-09	Solid	3/3/09 11:27	3/3/09 17:15	Dan Buterbaugh
9777956003	BC2-S3 (6") 3-09	Solid	3/3/09 11:29	3/3/09 17:15	Dan Buterbaugh
9777956004	BC2-S4 (10") 3-09	Solid	3/3/09 11:31	3/3/09 17:15	Dan Buterbaugh
9777956005	BC2-S5 (10") 3-09	Solid	3/3/09 11:32	3/3/09 17:15	Dan Buterbaugh
9777956006	BC2-S6 (6") 3-09	Solid	3/3/09 11:33	3/3/09 17:15	Dan Buterbaugh
9777956007	BC2-S7 (6") 3-09	Solid	3/3/09 11:35	3/3/09 17:15	Dan Buterbaugh
9777956008	BC2-S8 (10") 3-09	Solid	3/3/09 11:37	3/3/09 17:15	Dan Buterbaugh

Workorder Comments:

Notes

- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
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U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9777956 NWT-YORK (03/03/09)

Lab ID: **9777956001** Date Collected: 3/3/2009 11:25 Matrix: Solid
Sample ID: **BC2-S1 (6") 3-09** Date Received: 3/3/2009 17:15

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	18.3		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
Total Solids	81.7		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
METALS										
Arsenic, Total	45.6		mg/kg	3.3	SW846 6010C	3/4/09	MNP	3/5/09 02:26	SRT	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9777956 NWT-YORK (03/03/09)

Lab ID: **9777956002** Date Collected: 3/3/2009 11:27 Matrix: Solid

Sample ID: **BC2-S2 (10") 3-09** Date Received: 3/3/2009 17:15

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	19.7		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
Total Solids	80.3		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
METALS										
Arsenic, Total	6.0		mg/kg	3.2	SW846 6010C	3/4/09	MNP	3/5/09 02:30	SRT	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9777956 NWT-YORK (03/03/09)

Lab ID: **9777956003** Date Collected: 3/3/2009 11:29 Matrix: Solid
Sample ID: **BC2-S3 (6") 3-09** Date Received: 3/3/2009 17:15

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	18.7		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
Total Solids	81.3		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
METALS										
Arsenic, Total	6.6		mg/kg	3.4	SW846 6010C	3/4/09	MNP	3/5/09 02:34	SRT	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9777956 NWT-YORK (03/03/09)

Lab ID: **9777956004** Date Collected: 3/3/2009 11:31 Matrix: Solid
Sample ID: **BC2-S4 (10") 3-09** Date Received: 3/3/2009 17:15

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	18.3		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
Total Solids	81.7		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
METALS										
Arsenic, Total	5.5		mg/kg	3.3	SW846 6010C	3/4/09	MNP	3/5/09 02:38	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

ANALYTICAL LABORATORY SERVICES, INC.
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PA 22-293 NJ PA010
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34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9777956 NWT-YORK (03/03/09)

Lab ID: **9777956005** Date Collected: 3/3/2009 11:32 Matrix: Solid
Sample ID: **BC2-S5 (10") 3-09** Date Received: 3/3/2009 17:15

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	23.1		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
Total Solids	76.9		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
METALS										
Arsenic, Total	7.7		mg/kg	3.3	SW846 6010C	3/4/09	MNP	3/5/09 02:58	SRT	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9777956 NWT-YORK (03/03/09)

Lab ID: **9777956006** Date Collected: 3/3/2009 11:33 Matrix: Solid

Sample ID: **BC2-S6 (6") 3-09** Date Received: 3/3/2009 17:15

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	21.0		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
Total Solids	79.0		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
METALS										
Arsenic, Total	7.1		mg/kg	3.6	SW846 6010C	3/4/09	MNP	3/5/09 03:02	SRT	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9777956 NWT-YORK (03/03/09)

Lab ID: **9777956007** Date Collected: 3/3/2009 11:35 Matrix: Solid

Sample ID: **BC2-S7 (6") 3-09** Date Received: 3/3/2009 17:15

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	18.3		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
Total Solids	81.7		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
METALS										
Arsenic, Total	10.8		mg/kg	3.5	SW846 6010C	3/4/09	MNP	3/5/09 03:05	SRT	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9777956 NWT-YORK (03/03/09)

Lab ID: **9777956008** Date Collected: 3/3/2009 11:37 Matrix: Solid
Sample ID: **BC2-S8 (10") 3-09** Date Received: 3/3/2009 17:15

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	18.3		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
Total Solids	81.7		%	0.1	SM20-2540 G			3/4/09 18:40	LAD	A
METALS										
Arsenic, Total	18.6		mg/kg	3.5	SW846 6010C	3/5/09	MNP	3/6/09 02:48	SRT	A1

Sample Comments:

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 1
Courier:
Tracking #:

Co. Name: ARM Group
Contact (Report to): DButerbaugh / SFulton
Phone:
Address: Hershey PA

Bill to (if different than Report to):
PO#:

Project Name/#: NWT York / 07214
ALSI Quote #:

TAT: ☐ Normal-Standard TAT is 10-12 business days. ☒ Rush-Subject to ALSI approval and surcharges.
Date Required: 3/5/09
Approved By:

Email? X -Y sfulton@armgroup.net
Fax? -Y No. dbuterbaugh@armgroup.net

ANALYSES/METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Arsenic										Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Custody seals Present?	(If present) Seals intact?	Received on ice?	COC/Labels complete/accurate?	Container in good condition?
1	BC2-S1 (6") 3-09	25	3/3/09	1125	G	S	1										N	N	N	N	Y	Y	Y	Y	Y
2	BC2-S2 (10") 3-09	24		1127			1										N	N	N	N	Y	Y	Y	Y	Y
3	BC2-S3 (6") 3-09	51		1129			1										N	N	N	N	Y	Y	Y	Y	Y
4	BC2-S4 (10") 3-09	21		1131			1										N	N	N	N	Y	Y	Y	Y	Y
5	BC2-S5 (10") 3-09	45		1132			1										N	N	N	N	Y	Y	Y	Y	Y
6	BC2-S6 (6") 3-09	14		1133			1										N	N	N	N	Y	Y	Y	Y	Y
7	BC2-S7 (6") 3-09	41		1135			1										N	N	N	N	Y	Y	Y	Y	Y
8	BC2-S8 (10") 3-09	43		1137			1										N	N	N	N	Y	Y	Y	Y	Y

Enter Number of Containers Per Analysis

***Container Type	G		
***Container Size	8 oz		
***Preservative	–		

Receipt Information (completed by Sample Receipt)
Performed by: [signature]
Cooler Temp: 6°
Therm. ID: 51023557
No. of Coolers:
Notes:

SAMPLED BY (Please Print): Dan Buterbaugh
LOGGED BY (signature): [signature] DATE 3/3 TIME 1126
REVIEWED BY (signature): [signature] DATE 03/05/09 TIME 0825

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 [signature]	3/3/09	1715	2 [signature] ALSI	3/3/09	1715
3			4		
5			6		
7			8		
9			10		

Data Deliverables: ☐ Standard ☐ CLP-like ☐ NJ-Reduced ☐ NJ-Full ☐ Other
Bills Required? ☐ If yes, format type:
DOD Criteria Required?
SDWA Forms? yes / yes / yes / yes
State Samples Collected in? NO / NJ / NY / PA
Enter PVSID #:

ALSI FIELD SERVICES: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other:

* G=Grab; C=Composite **Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY ***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc. Rev 6/07

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Certificate of Analysis

Project Name:	NWT-YORK	Workorder:	9778733
Purchase Order:	07214	Workorder ID:	NWT-YORK 03/06/09 07214

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

July 10, 2009

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Friday, March 06, 2009

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAC accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALSI.

NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Steve Fulton

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Laboratory Manager

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SAMPLE SUMMARY

Workorder: 9778733 NWT-YORK 03/06/09 07214 Discard Date: 07/24/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9778733001	BC3-S1 (4') 3-09	Solid	3/6/09 08:53	3/6/09 14:55	Dan Buterbaugh
9778733002	BC3-S2 (3') 3-09	Solid	3/6/09 08:54	3/6/09 14:55	Dan Buterbaugh
9778733003	BC3-S3 (4') 3-09	Solid	3/6/09 08:56	3/6/09 14:55	Dan Buterbaugh
9778733004	BC3-S4 (2') 3-09	Solid	3/6/09 08:58	3/6/09 14:55	Dan Buterbaugh
9778733005	BC3-S5 (2') 3-09	Solid	3/6/09 09:00	3/6/09 14:55	Dan Buterbaugh
9778733006	BC3-S6 (2') 3-09	Solid	3/6/09 09:01	3/6/09 14:55	Dan Buterbaugh
9778733007	BC3-S7 (3') 3-09	Solid	3/6/09 09:02	3/6/09 14:55	Dan Buterbaugh
9778733008	BC3-S8 (3') 3-09	Solid	3/6/09 09:04	3/6/09 14:55	Dan Buterbaugh

Workorder Comments:

Notes

- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9778733 NWT-YORK 03/06/09 07214

Lab ID: **9778733001** Date Collected: 3/6/2009 08:53 Matrix: Solid

Sample ID: **BC3-S1 (4') 3-09** Date Received: 3/6/2009 14:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	16.0		%	0.1	SM20-2540 G			3/7/09 02:20	MBR	A
Total Solids	84.0		%	0.1	SM20-2540 G			3/7/09 02:20	MBR	A
METALS										
Arsenic, Total	9.3		mg/kg	3.4	SW846 6010C	3/9/09	MNP	3/10/09 02:53	SRT	A1

Sample Comments:

This laboratory report was reprinted due to a modification to one or more sample reports in this workorder. The necessity for this is due to the consecutive numbering of samples in a given workorder.

This report was modified to correct the sample ID as per the chain of custody. SJB 07/10/09

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9778733 NWT-YORK 03/06/09 07214

Lab ID: **9778733002** Date Collected: 3/6/2009 08:54 Matrix: Solid

Sample ID: **BC3-S2 (3') 3-09** Date Received: 3/6/2009 14:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	14.2		%	0.1	SM20-2540 G			3/7/09 02:20	MBR	A
Total Solids	85.8		%	0.1	SM20-2540 G			3/7/09 02:20	MBR	A
METALS										
Arsenic, Total	8.5		mg/kg	3.2	SW846 6010C	3/9/09	MNP	3/10/09 03:05	SRT	A1

Sample Comments:

This laboratory report was reprinted due to a modification to one or more sample reports in this workorder. The necessity for this is due to the consecutive numbering of samples in a given workorder.

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ANALYTICAL RESULTS

Workorder: 9778733 NWT-YORK 03/06/09 07214

Lab ID: **9778733003** Date Collected: 3/6/2009 08:56 Matrix: Solid

Sample ID: **BC3-S3 (4') 3-09** Date Received: 3/6/2009 14:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	14.2		%	0.1	SM20-2540 G			3/7/09 02:20	MBR	A
Total Solids	85.8		%	0.1	SM20-2540 G			3/7/09 02:20	MBR	A
METALS										
Arsenic, Total	5.9		mg/kg	3.2	SW846 6010C	3/9/09	MNP	3/10/09 03:09	SRT	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9778733 NWT-YORK 03/06/09 07214

Lab ID: **9778733004** Date Collected: 3/6/2009 08:58 Matrix: Solid

Sample ID: **BC3-S4 (2') 3-09** Date Received: 3/6/2009 14:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	12.2		%	0.1	SM20-2540 G			3/7/09 02:20	MBR	A
Total Solids	87.8		%	0.1	SM20-2540 G			3/7/09 02:20	MBR	A
METALS										
Arsenic, Total	5.6		mg/kg	2.9	SW846 6010C	3/9/09	MNP	3/10/09 03:14	SRT	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9778733 NWT-YORK 03/06/09 07214

Lab ID: **9778733005** Date Collected: 3/6/2009 09:00 Matrix: Solid

Sample ID: **BC3-S5 (2') 3-09** Date Received: 3/6/2009 14:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	12.5		%	0.1	SM20-2540 G			3/7/09 02:20	MBR	A
Total Solids	87.5		%	0.1	SM20-2540 G			3/7/09 02:20	MBR	A
METALS										
Arsenic, Total	7.9		mg/kg	3.3	SW846 6010C	3/9/09	MNP	3/10/09 03:18	SRT	A1

Sample Comments:

This report was modified to include the arsenic result in the total metals 6010 analysis. SJB 03/12/09

This report was modified to correct the sample ID as per the chain of custody. SJB 07/10/09

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ANALYTICAL RESULTS

Workorder: 9778733 NWT-YORK 03/06/09 07214

Lab ID: **9778733006** Date Collected: 3/6/2009 09:01 Matrix: Solid

Sample ID: **BC3-S6 (2') 3-09** Date Received: 3/6/2009 14:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	18.4		%	0.1	SM20-2540 G			3/7/09 02:20	MBR	A
Total Solids	81.6		%	0.1	SM20-2540 G			3/7/09 02:20	MBR	A
METALS										
Arsenic, Total	11.2		mg/kg	3.5	SW846 6010C	3/9/09	MNP	3/10/09 03:29	SRT	A1

Sample Comments:

This laboratory report was reprinted due to a modification to one or more sample reports in this workorder. The necessity for this is due to the consecutive numbering of samples in a given workorder.

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ANALYTICAL RESULTS

Workorder: 9778733 NWT-YORK 03/06/09 07214

Lab ID: **9778733007** Date Collected: 3/6/2009 09:02 Matrix: Solid

Sample ID: **BC3-S7 (3') 3-09** Date Received: 3/6/2009 14:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	17.9		%	0.1	SM20-2540 G			3/7/09 02:20	MBR	A
Total Solids	82.1		%	0.1	SM20-2540 G			3/7/09 02:20	MBR	A
METALS										
Arsenic, Total	5.4		mg/kg	2.8	SW846 6010C	3/9/09	MNP	3/10/09 03:33	SRT	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9778733 NWT-YORK 03/06/09 07214

Lab ID: **9778733008** Date Collected: 3/6/2009 09:04 Matrix: Solid
Sample ID: **BC3-S8 (3') 3-09** Date Received: 3/6/2009 14:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	12.6		%	0.1	SM20-2540 G			3/7/09 02:20	MBR	A
Total Solids	87.4		%	0.1	SM20-2540 G			3/7/09 02:20	MBR	A
METALS										
Arsenic, Total	5.2		mg/kg	3.3	SW846 6010C	3/9/09	MNP	3/10/09 03:37	SRT	A1

Sample Comments:

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 1
Courier:
Tracking #:

Co. Name: ARM Group
Contact (Report to): D Buttebaugh
Address: Hershey PA
Phone:

Bill to (if different than Report to):
PO#:

Project Name/#: NWT York / 07214
ALSI Quote #:

TAT: [ ] Normal-Standard TAT is 10-12 business days. [X] Rush-Subject to ALSI approval and surcharges.
Date Required: 3/10/09
Approved By:

Email? [X] -Y dbutebaugh@armgroup.net
Fax? [ ] -Y No.: shultm@armgroup.net

***Container Type: G
***Container Size: 8oz
***Preservative: —

ANALYSES/METHOD REQUESTED: Arsenic

Enter Number of Containers Per Analysis

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Arsenic
1	BC3-S1(4')3-09	72	3/6/09	0853	G	S	1
2	BC3-S2(3')3-09	37		0854			1
3	BC3-S3(4')3-09	52		0856			1
4	BC3-S4(2')3-09	04		0858			1
5	BC3-S5(2')3-09	00		0900			1
6	BC3-S6(2')3-09	96		0901			1
7	BC3-S7(3')3-09	27		0902			1
8	BC3-S8(3')3-09	13		0904			1

Receipt Information (completed by Sample Receiving)
Performed by: [illegible]
Cooler Temp: 4°C
Therm. ID: 51023855
No. of Coolers:
Notes:

Sample	Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Circle appropriate Y or N.
1	N	N	N	Y	N
2	N	N	N	N	N
3	Y	Y	Y	Y	Y
4	Y	Y	Y	Y	Y
5	Y	Y	Y	Y	Y
6	Y	Y	Y	Y	Y
7	Y	Y	Y	Y	Y
8	Y	Y	Y	Y	Y

Custody seals Present? (if present) Seals intact? Received on ice? COC/Labels complete/accurate? Container in good condition?

SAMPLED BY (Please Print): D Butebaugh
LOGGED BY (signature): [signature] DATE 3/6/09 TIME 1745
REVIEWED BY (signature): DATE TIME

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 [signature]	3/6/09	0255	2 [signature]	3/6/09	0255
3			4		
5			6		
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] other
EDDs Required? [ ] If yes, format type:
SDWA Forms? yes yes yes yes
State Samples Collected In? MD NJ NY PA
Other
Enter PWS ID No.
DOD Criteria Required?

ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite **Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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Certificate of Analysis

Project Name:	NWT-YORK	Workorder:	9777415
Purchase Order:	07214	Workorder ID:	NWT-YORK (02/26/09)

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

March 5, 2009

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Thursday, February 26, 2009

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAC accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALSI.

NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

Anna G Milliken
Laboratory Manager

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

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SAMPLE SUMMARY

Workorder: 9777415 NWT-YORK (02/26/09) Discard Date: 03/18/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9777415001	Trestle-S1[8]2-09	Solid	2/26/09 11:17	2/26/09 17:20	Dan Buterbaugh
9777415002	Trestle-S2[6]2-09	Solid	2/26/09 11:22	2/26/09 17:20	Dan Buterbaugh
9777415003	Trestle-S3[8]2-09	Solid	2/26/09 11:25	2/26/09 17:20	Dan Buterbaugh
9777415004	Trestle-S4[8]2-09	Solid	2/26/09 11:28	2/26/09 17:20	Dan Buterbaugh
9777415005	Trestle-S5[9]2-09	Solid	2/26/09 11:30	2/26/09 17:20	Dan Buterbaugh
9777415006	Trestle-S6[9]2-09	Solid	2/26/09 11:32	2/26/09 17:20	Dan Buterbaugh
9777415007	Trestle-S7[9]2-09	Solid	2/26/09 11:35	2/26/09 17:20	Dan Buterbaugh
9777415008	Trestle-S8[9]2-09	Solid	2/26/09 11:37	2/26/09 17:20	Dan Buterbaugh
9777415009	Trestle-S9[4]2-09	Solid	2/26/09 11:41	2/26/09 17:20	Dan Buterbaugh
9777415010	Trestle-S10[9]2-09	Solid	2/26/09 11:44	2/26/09 17:20	Dan Buterbaugh
9777415011	Trestle-S11[9]2-09	Solid	2/26/09 11:46	2/26/09 17:20	Dan Buterbaugh
9777415012	Trestle-S12[9]2-09	Solid	2/26/09 11:50	2/26/09 17:20	Dan Buterbaugh

Workorder Comments:

Notes

- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9777415 NWT-YORK (02/26/09)

Lab ID: **9777415001** Date Collected: 2/26/2009 11:17 Matrix: Solid
Sample ID: **Trestle-S1[8]2-09** Date Received: 2/26/2009 17:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES										
Benzo(a)pyrene	181		ug/kg	113	SW846 8270D	2/27/09	CMG	3/2/09 14:23	DHF	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorobiphenyl (S)	73.1		%	40-107	SW846 8270D	2/27/09	CMG	3/2/09 14:23	DHF	A2
Nitrobenzene-d5 (S)	73.4		%	35-112	SW846 8270D	2/27/09	CMG	3/2/09 14:23	DHF	A2
Terphenyl-d14 (S)	65.8		%	45-90	SW846 8270D	2/27/09	CMG	3/2/09 14:23	DHF	A2
WET CHEMISTRY										
Moisture	12.2		%	0.1	SM20-2540 G			2/27/09 04:43	MBW	A
Total Solids	87.8		%	0.1	SM20-2540 G			2/27/09 04:43	MBW	A
METALS										
Arsenic, Total	10.2		mg/kg	2.9	SW846 6010C	2/27/09	MNP	3/2/09 03:21	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9777415 NWT-YORK (02/26/09)

Lab ID: **9777415002** Date Collected: 2/26/2009 11:22 Matrix: Solid
Sample ID: **Trestle-S2[6]2-09** Date Received: 2/26/2009 17:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES										
Benzo(a)pyrene	ND		ug/kg	121	SW846 8270D	2/27/09	CMG	3/2/09 15:12	DHF	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorobiphenyl (S)	71.7		%	40-107	SW846 8270D	2/27/09	CMG	3/2/09 15:12	DHF	A2
Nitrobenzene-d5 (S)	71		%	35-112	SW846 8270D	2/27/09	CMG	3/2/09 15:12	DHF	A2
Terphenyl-d14 (S)	63		%	45-90	SW846 8270D	2/27/09	CMG	3/2/09 15:12	DHF	A2
WET CHEMISTRY										
Moisture	17.6		%	0.1	SM20-2540 G			2/27/09 04:43	MBW	A
Total Solids	82.4		%	0.1	SM20-2540 G			2/27/09 04:43	MBW	A
METALS										
Arsenic, Total	11.1		mg/kg	3.0	SW846 6010C	2/27/09	MNP	3/2/09 03:25	SRT	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9777415 NWT-YORK (02/26/09)

Lab ID: **9777415003** Date Collected: 2/26/2009 11:25 Matrix: Solid
Sample ID: **Trestle-S3[8]2-09** Date Received: 2/26/2009 17:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES										
Benzo(a)pyrene	1080		ug/kg	120	SW846 8270D	2/27/09	CMG	3/2/09 16:01	DHF	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorobiphenyl (S)	78.7		%	40-107	SW846 8270D	2/27/09	CMG	3/2/09 16:01	DHF	A2
Nitrobenzene-d5 (S)	73.5		%	35-112	SW846 8270D	2/27/09	CMG	3/2/09 16:01	DHF	A2
Terphenyl-d14 (S)	66.7		%	45-90	SW846 8270D	2/27/09	CMG	3/2/09 16:01	DHF	A2
WET CHEMISTRY										
Moisture	17.6		%	0.1	SM20-2540 G			2/27/09 04:43	MBW	A
Total Solids	82.4		%	0.1	SM20-2540 G			2/27/09 04:43	MBW	A
METALS										
Arsenic, Total	46.1		mg/kg	3.4	SW846 6010C	2/27/09	MNP	3/2/09 03:37	SRT	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9777415 NWT-YORK (02/26/09)

Lab ID: **9777415004** Date Collected: 2/26/2009 11:28 Matrix: Solid
Sample ID: **Trestle-S4[8]2-09** Date Received: 2/26/2009 17:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES										
Benzo(a)pyrene	178		ug/kg	122	SW846 8270D	2/27/09	CMG	3/2/09 16:50	DHF	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorobiphenyl (S)	72.6		%	40-107	SW846 8270D	2/27/09	CMG	3/2/09 16:50	DHF	A2
Nitrobenzene-d5 (S)	73.9		%	35-112	SW846 8270D	2/27/09	CMG	3/2/09 16:50	DHF	A2
Terphenyl-d14 (S)	62.4		%	45-90	SW846 8270D	2/27/09	CMG	3/2/09 16:50	DHF	A2
WET CHEMISTRY										
Moisture	18.1		%	0.1	SM20-2540 G			2/27/09 04:43	MBW	A
Total Solids	81.9		%	0.1	SM20-2540 G			2/27/09 04:43	MBW	A
METALS										
Arsenic, Total	6.4		mg/kg	3.3	SW846 6010C	2/27/09	MNP	3/2/09 03:41	SRT	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9777415 NWT-YORK (02/26/09)

Lab ID: **9777415005** Date Collected: 2/26/2009 11:30 Matrix: Solid
Sample ID: **Trestle-S5[9]2-09** Date Received: 2/26/2009 17:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES										
Benzo(a)pyrene	1960		ug/kg	119	SW846 8270D	2/27/09	CMG	3/2/09 17:39	DHF	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorobiphenyl (S)	70.5		%	40-107	SW846 8270D	2/27/09	CMG	3/2/09 17:39	DHF	A2
Nitrobenzene-d5 (S)	70.9		%	35-112	SW846 8270D	2/27/09	CMG	3/2/09 17:39	DHF	A2
Terphenyl-d14 (S)	58.9		%	45-90	SW846 8270D	2/27/09	CMG	3/2/09 17:39	DHF	A2
WET CHEMISTRY										
Moisture	16.3		%	0.1	SM20-2540 G			2/27/09 04:43	MBW	A
Total Solids	83.7		%	0.1	SM20-2540 G			2/27/09 04:43	MBW	A
METALS										
Arsenic, Total	17.3		mg/kg	3.3	SW846 6010C	2/27/09	MNP	3/2/09 03:45	SRT	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9777415 NWT-YORK (02/26/09)

Lab ID: **9777415006** Date Collected: 2/26/2009 11:32 Matrix: Solid
Sample ID: **Trestle-S6[9]2-09** Date Received: 2/26/2009 17:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES										
Benzo(a)pyrene	403		ug/kg	116	SW846 8270D	2/27/09	CMG	3/2/09 18:28	DHF	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorobiphenyl (S)	75.1		%	40-107	SW846 8270D	2/27/09	CMG	3/2/09 18:28	DHF	A2
Nitrobenzene-d5 (S)	74.8		%	35-112	SW846 8270D	2/27/09	CMG	3/2/09 18:28	DHF	A2
Terphenyl-d14 (S)	65.8		%	45-90	SW846 8270D	2/27/09	CMG	3/2/09 18:28	DHF	A2
WET CHEMISTRY										
Moisture	15.1		%	0.1	SM20-2540 G			2/27/09 04:43	MBW	A
Total Solids	84.9		%	0.1	SM20-2540 G			2/27/09 04:43	MBW	A
METALS										
Arsenic, Total	16.5		mg/kg	3.2	SW846 6010C	2/27/09	MNP	3/2/09 03:49	SRT	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9777415 NWT-YORK (02/26/09)

Lab ID: **9777415007** Date Collected: 2/26/2009 11:35 Matrix: Solid

Sample ID: **Trestle-S7[9]2-09** Date Received: 2/26/2009 17:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES										
Benzo(a)pyrene	522		ug/kg	116	SW846 8270D	2/27/09	CMG	3/2/09 19:17	DHF	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorobiphenyl (S)	68.5		%	40-107	SW846 8270D	2/27/09	CMG	3/2/09 19:17	DHF	A2
Nitrobenzene-d5 (S)	71		%	35-112	SW846 8270D	2/27/09	CMG	3/2/09 19:17	DHF	A2
Terphenyl-d14 (S)	58.4		%	45-90	SW846 8270D	2/27/09	CMG	3/2/09 19:17	DHF	A2
WET CHEMISTRY										
Moisture	14.0		%	0.1	SM20-2540 G			2/27/09 04:43	MBW	A
Total Solids	86.0		%	0.1	SM20-2540 G			2/27/09 04:43	MBW	A
METALS										
Arsenic, Total	13.0		mg/kg	3.2	SW846 6010C	2/27/09	MNP	3/2/09 04:01	SRT	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9777415 NWT-YORK (02/26/09)

Lab ID: **9777415008** Date Collected: 2/26/2009 11:37 Matrix: Solid
Sample ID: **Trestle-S8[9]2-09** Date Received: 2/26/2009 17:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES										
Benzo(a)pyrene	320		ug/kg	119	SW846 8270D	2/27/09	CMG	3/2/09 20:06	DHF	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorobiphenyl (S)	67.5		%	40-107	SW846 8270D	2/27/09	CMG	3/2/09 20:06	DHF	A2
Nitrobenzene-d5 (S)	69.5		%	35-112	SW846 8270D	2/27/09	CMG	3/2/09 20:06	DHF	A2
Terphenyl-d14 (S)	57.4		%	45-90	SW846 8270D	2/27/09	CMG	3/2/09 20:06	DHF	A2
WET CHEMISTRY										
Moisture	15.9		%	0.1	SM20-2540 G			2/27/09 04:43	MBW	A
Total Solids	84.1		%	0.1	SM20-2540 G			2/27/09 04:43	MBW	A
METALS										
Arsenic, Total	11.3		mg/kg	3.3	SW846 6010C	2/27/09	MNP	3/2/09 04:05	SRT	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9777415 NWT-YORK (02/26/09)

Lab ID: **9777415009** Date Collected: 2/26/2009 11:41 Matrix: Solid
Sample ID: **Trestle-S9[4]2-09** Date Received: 2/26/2009 17:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES										
Benzo(a)pyrene	ND		ug/kg	55.4	SW846 8270D	3/3/09	RSS	3/3/09 23:22	DRS	A3
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorobiphenyl (S)	68.6		%	45-105	SW846 8270D	3/3/09	RSS	3/3/09 23:22	DRS	A3
Nitrobenzene-d5 (S)	73.8		%	41-110	SW846 8270D	3/3/09	RSS	3/3/09 23:22	DRS	A3
Terphenyl-d14 (S)	64.3		%	38-113	SW846 8270D	3/3/09	RSS	3/3/09 23:22	DRS	A3
WET CHEMISTRY										
Moisture	10		%	0.1	SM20-2540 G			2/27/09 04:43	MBW	A
Total Solids	90.0		%	0.1	SM20-2540 G			2/27/09 04:43	MBW	A
METALS										
Arsenic, Total	15.8		mg/kg	2.8	SW846 6010C	2/27/09	MNP	3/2/09 04:08	SRT	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9777415 NWT-YORK (02/26/09)

Lab ID: **9777415010** Date Collected: 2/26/2009 11:44 Matrix: Solid
Sample ID: **Trestle-S10[9]2-09** Date Received: 2/26/2009 17:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES										
Benzo(a)pyrene	404		ug/kg	117	SW846 8270D	2/27/09	CMG	3/2/09 21:45	DHF	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorobiphenyl (S)	69.7		%	40-107	SW846 8270D	2/27/09	CMG	3/2/09 21:45	DHF	A2
Nitrobenzene-d5 (S)	67.4		%	35-112	SW846 8270D	2/27/09	CMG	3/2/09 21:45	DHF	A2
Terphenyl-d14 (S)	59.5		%	45-90	SW846 8270D	2/27/09	CMG	3/2/09 21:45	DHF	A2
WET CHEMISTRY										
Moisture	14.6		%	0.1	SM20-2540 G			2/27/09 04:43	MBW	A
Total Solids	85.4		%	0.1	SM20-2540 G			2/27/09 04:43	MBW	A
METALS										
Arsenic, Total	5.4		mg/kg	3.4	SW846 6010C	2/27/09	MNP	3/2/09 04:12	SRT	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9777415 NWT-YORK (02/26/09)

Lab ID: **9777415011** Date Collected: 2/26/2009 11:46 Matrix: Solid
Sample ID: **Trestle-S11[9]2-09** Date Received: 2/26/2009 17:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES										
Benzo(a)pyrene	ND		ug/kg	60.8	SW846 8270D	3/3/09	RSS	3/4/09 00:11	DRS	A3
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorobiphenyl (S)	69.8		%	45-105	SW846 8270D	3/3/09	RSS	3/4/09 00:11	DRS	A3
Nitrobenzene-d5 (S)	76.7		%	41-110	SW846 8270D	3/3/09	RSS	3/4/09 00:11	DRS	A3
Terphenyl-d14 (S)	64.8		%	38-113	SW846 8270D	3/3/09	RSS	3/4/09 00:11	DRS	A3
WET CHEMISTRY										
Moisture	18.1		%	0.1	SM20-2540 G			2/27/09 04:43	MBW	A
Total Solids	81.9		%	0.1	SM20-2540 G			2/27/09 04:43	MBW	A
METALS										
Arsenic, Total	8.7		mg/kg	3.3	SW846 6010C	2/27/09	MNP	3/2/09 04:16	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9777415 NWT-YORK (02/26/09)

Lab ID: **9777415012** Date Collected: 2/26/2009 11:50 Matrix: Solid
Sample ID: **Trestle-S12[9]2-09** Date Received: 2/26/2009 17:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES										
Benzo(a)pyrene	113		ug/kg	111	SW846 8270D	2/27/09	CMG	3/2/09 23:24	DHF	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorobiphenyl (S)	70.3		%	40-107	SW846 8270D	2/27/09	CMG	3/2/09 23:24	DHF	A2
Nitrobenzene-d5 (S)	69.9		%	35-112	SW846 8270D	2/27/09	CMG	3/2/09 23:24	DHF	A2
Terphenyl-d14 (S)	61.7		%	45-90	SW846 8270D	2/27/09	CMG	3/2/09 23:24	DHF	A2
WET CHEMISTRY										
Moisture	10.4		%	0.1	SM20-2540 G			2/27/09 04:43	MBW	A
Total Solids	89.6		%	0.1	SM20-2540 G			2/27/09 04:43	MBW	A
METALS										
Arsenic, Total	7.6		mg/kg	3.2	SW846 6010C	2/27/09	MNP	3/2/09 04:20	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 2

Courier:

Tracking #:

Co. Name: ARM Group

Contact (Report to): Dan Butterbaugh/Steve Fulton Phone: 717-533-

Address: Hershey PA

Bill to (if different than Report to): PO#:

Project Name/#: NWT York / 07214 ALSI Quote #:

TAT: ☐ Normal-Standard TAT is 10-12 business days. ☒ Rush-Subject to ALSI approval and surcharges. Date Required: 3/3/09 Tues. Approved By:

Email? ☒ -Y sfulton@armgroup.net

Fax? -Y No.:

Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Arsenic	Benzo(a) pyrene
1 Trestle-S1(8')2-09	52	2/26/09	1117	G	S	1	1
2 Trestle-S2(6')2-09	25		1122			1	1
3 Trestle-S3(8')2-09	61		1123			1	1
4 Trestle-S4(8')2-09	43		1128			1	1
5 Trestle-S5(9')2-09	63		1130			1	1
6 Trestle-S6(9')2-09	75		1132			1	1
7 Trestle-S7(9')2-09	32		1135			1	1
8 Trestle-S8(9')2-09	42		1137			1	1

***Container Type	G						
***Container Size	8oz						
Preservative	—						

ANALYSES/METHOD REQUESTED

Enter Number of Containers Per Analysis

Receipt Information (completed by Sample Receiver)

Performed by: Initial NOE

Cooler Temp: 5

Therm. ID: 21143

No. of Coolers:

Notes:

Circle appropriate Y or N.									
Correct containers?	N	N	N	N					
Correct sample volume?	✓	✓	✓	Y					
Correct preservation?									
Headspace/Volatiles?									
Custody seals Present?	Y	Y	Y	Y					
(if present) Seals intact?	Y	Y	Y	Y					
Received on ice?	✓	N	N	N					
COC/Labels complete/accurate?	✓	N	N	N					
Container in good condition?	N	N	N	N					

SAMPLED BY (Please Print): Dan Butterbaugh

LOGGED BY (signature): DATE 2/26/09 TIME 2013

REVIEWED BY (signature): DATE 03/9/09 TIME 2009

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	2/26/09	1720	2	2/26/09	1720
3			4		
5			6		
7			8		
9			10		

Data Deliverables: ☐ Standard ☐ CLP-Like ☐ NJ-Reduced ☐ NJ-Full ☐

EDDs Required? ☐ If yes, format type:

DOD Criteria Required?

SDWA Forms? yes ☐ yes ☐ yes ☐ yes ☐

State Samples Collected in? MD ☐ NJ ☐ NY ☐ PA ☐ Other

ALSI FIELD SERVICES: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other:

* G=Grab; C=Composite **Matrix: Al=Air; DW=Drinking Water; GW=Groundwater; Ol=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY ***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc. Rev 6/07

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER. INSTRUCTIONS ON THE BACK.

Page 2 of 2
Courier:
Tracking #:
COC# 9777415

Co. Name: ARM Group
Contact (Report to): Dan Butebaugh/Steve Fulton Phone:
Address: Hershey PA

Bill to (if different than Report to): PO#:

Project Name/#: NWT York / 07214 ALSI Quote #:

TAT: [ ] Normal-Standard TAT is 10-12 business days. [X] Rush-Subject to ALSI approval and surcharges.
Data Required: 3/3/09
Approved By:

Email? [X] -Y stulton@armgroup.net
Fax? [ ] -Y No.:

***Container Type	G														
***Container Size	8oz														
***Preservative	—														

ANALYSES/METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Arsenic	Benzo(a)pyrene								
1	Trestle-S9(4')2-09	81	2/26/09	1141	G	S	1	1								
2	Trestle-S10(9')2-09	44	↓	1144	↓	↓	1	1								
3	Trestle-S11(9')2-09	92	↓	1146	↓	↓	1	1								
4	Trestle-S12(9')2-09	24	↓	1150	↓	↓	1	1								
5																
6																
7																
8																

Enter Number of Containers Per Analysis

Receipt Information (completed by Sample Receiver)
Performed by: [signature] INITIAL HERE
Cooler Temp: 5
Therm. ID: 5102387
No. of Coolers:
Notes:

Sample Description/Location	Custody seals Present?	(If present) Seals intact?	Received on ice?	COC/Labels complete/accurate?	Container in good condition?
1 Trestle-S9(4')2-09	Y	Y	N	N	N
2 Trestle-S10(9')2-09	N	N	N	N	N
3 Trestle-S11(9')2-09	Y	Y	N	N	N
4 Trestle-S12(9')2-09	Y	Y	N	N	N

Correct containers? N
Correct sample volume? N
Correct preservation? N
Headspace/Volatiles? Y N
Circle appropriate Y or N.

SAMPLED BY (Please Print): Dan Butebaugh
LOGGED BY (signature): [signature] DATE 2/26/09 TIME 2013
REVIEWED BY (signature): [signature] DATE 03/01/09 TIME 2209

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	[signature]	2/26/09	1720	2	[signature]	2/26/09	1720
3				4			
5				6			
7				8			
9				10			

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] other
EDDs Required? [ ] If yes, format type:
SDWA Forms? yes [ ] yes [ ] yes [ ] yes [ ] Other
State Samples Collected In? MD [ ] NJ [ ] NY [ ] PA [ ]
Edit CPWSID No.
DOD Criteria Required?

ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite **Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY Rev 6/07

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Certificate of Analysis

Project Name:	**NWT-YORK**	Workorder:	**9780275**
Purchase Order:	**07214**	Workorder ID:	**NWT-YORK (03/17/09)**

Mr. Dan Buterbaugh
ARM Group Inc.
1129 W. Governor Road
Hershey, PA 17033

March 18, 2009

Dear Mr. Buterbaugh,

Enclosed are the analytical results for samples received by the laboratory on Tuesday, March 17, 2009

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAC accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALSI.

NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Mr. Steve Fulton

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Laboratory Manager

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SAMPLE SUMMARY

Workorder: 9780275 NWT-YORK (03/17/09) Discard Date: 04/01/2009

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9780275001	Trestle S-1	Solid	3/17/09 10:30	3/17/09 17:56	Joe Janick
9780275002	Trestle S-2	Solid	3/17/09 10:30	3/17/09 17:56	Joe Janick
9780275003	Trestle S-3	Solid	3/17/09 10:30	3/17/09 17:56	Joe Janick
9780275004	Trestle S-4	Solid	3/17/09 10:30	3/17/09 17:56	Joe Janick
9780275005	Trestle S-5	Solid	3/17/09 10:30	3/17/09 17:56	Joe Janick
9780275006	Trestle S-6	Solid	3/17/09 10:30	3/17/09 17:56	Joe Janick
9780275007	Trestle S-7	Solid	3/17/09 10:30	3/17/09 17:56	Joe Janick
9780275008	Trestle S-8	Solid	3/17/09 10:30	3/17/09 17:56	Joe Janick
9780275009	Trestle S-9	Solid	3/17/09 10:30	3/17/09 17:56	Joe Janick
9780275010	Trestle S-10	Solid	3/17/09 10:30	3/17/09 17:56	Joe Janick
9780275011	Trestle S-11	Solid	3/17/09 10:30	3/17/09 17:56	Joe Janick
9780275012	Trestle S-12	Solid	3/17/09 10:30	3/17/09 17:56	Joe Janick

Workorder Comments:

Notes

- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9780275 NWT-YORK (03/17/09)

Lab ID: **9780275001** Date Collected: 3/17/2009 10:30 Matrix: Solid

Sample ID: **Trestle S-1** Date Received: 3/17/2009 17:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	18.0		%	0.1	SM20-2540 G			3/17/09 23:00	MBR	A
Total Solids	82.0		%	0.1	SM20-2540 G			3/17/09 23:00	MBR	A
METALS										
Arsenic, Total	5.6		mg/kg	3.2	SW846 6010C	3/18/09	SRT	3/18/09 03:50	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9780275 NWT-YORK (03/17/09)

Lab ID: **9780275002** Date Collected: 3/17/2009 10:30 Matrix: Solid

Sample ID: **Trestle S-2** Date Received: 3/17/2009 17:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	18.6		%	0.1	SM20-2540 G			3/17/09 23:00	MBR	A
Total Solids	81.4		%	0.1	SM20-2540 G			3/17/09 23:00	MBR	A
METALS										
Arsenic, Total	6.0		mg/kg	3.2	SW846 6010C	3/18/09	SRT	3/18/09 04:02	SRT	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9780275 NWT-YORK (03/17/09)

Lab ID: **9780275003** Date Collected: 3/17/2009 10:30 Matrix: Solid
Sample ID: **Trestle S-3** Date Received: 3/17/2009 17:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	17.7		%	0.1	SM20-2540 G			3/17/09 23:00	MBR	A
Total Solids	82.3		%	0.1	SM20-2540 G			3/17/09 23:00	MBR	A
METALS										
Arsenic, Total	7.2		mg/kg	3.5	SW846 6010C	3/18/09	SRT	3/18/09 04:06	SRT	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9780275 NWT-YORK (03/17/09)

Lab ID: **9780275004** Date Collected: 3/17/2009 10:30 Matrix: Solid
Sample ID: **Trestle S-4** Date Received: 3/17/2009 17:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	17.4		%	0.1	SM20-2540 G			3/17/09 23:00	MBR	A
Total Solids	82.6		%	0.1	SM20-2540 G			3/17/09 23:00	MBR	A
METALS										
Arsenic, Total	4.6		mg/kg	3.4	SW846 6010C	3/18/09	SRT	3/18/09 04:10	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9780275 NWT-YORK (03/17/09)

Lab ID: **9780275005** Date Collected: 3/17/2009 10:30 Matrix: Solid

Sample ID: **Trestle S-5** Date Received: 3/17/2009 17:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	18.4		%	0.1	SM20-2540 G			3/17/09 23:00	MBR	A
Total Solids	81.6		%	0.1	SM20-2540 G			3/17/09 23:00	MBR	A
METALS										
Arsenic, Total	5.7		mg/kg	3.5	SW846 6010C	3/18/09	SRT	3/18/09 04:14	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9780275 NWT-YORK (03/17/09)

Lab ID: **9780275006** Date Collected: 3/17/2009 10:30 Matrix: Solid
Sample ID: **Trestle S-6** Date Received: 3/17/2009 17:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	18.1		%	0.1	SM20-2540 G			3/17/09 23:00	MBR	A
Total Solids	81.9		%	0.1	SM20-2540 G			3/17/09 23:00	MBR	A
METALS										
Arsenic, Total	4.8		mg/kg	3.7	SW846 6010C	3/18/09	SRT	3/18/09 04:17	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9780275 NWT-YORK (03/17/09)

Lab ID: **9780275007** Date Collected: 3/17/2009 10:30 Matrix: Solid

Sample ID: **Trestle S-7** Date Received: 3/17/2009 17:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	18.0		%	0.1	SM20-2540 G			3/17/09 23:00	MBR	A
Total Solids	82.0		%	0.1	SM20-2540 G			3/17/09 23:00	MBR	A
METALS										
Arsenic, Total	4.5		mg/kg	3.5	SW846 6010C	3/18/09	SRT	3/18/09 04:29	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9780275 NWT-YORK (03/17/09)

Lab ID: **9780275008** Date Collected: 3/17/2009 10:30 Matrix: Solid
Sample ID: **Trestle S-8** Date Received: 3/17/2009 17:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	14.3		%	0.1	SM20-2540 G			3/17/09 23:00	MBR	A
Total Solids	85.7		%	0.1	SM20-2540 G			3/17/09 23:00	MBR	A
METALS										
Arsenic, Total	12.6		mg/kg	3.2	SW846 6010C	3/18/09	SRT	3/18/09 04:33	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9780275 NWT-YORK (03/17/09)

Lab ID: **9780275009** Date Collected: 3/17/2009 10:30 Matrix: Solid

Sample ID: **Trestle S-9** Date Received: 3/17/2009 17:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	20.3		%	0.1	SM20-2540 G			3/17/09 23:00	MBR	A
Total Solids	79.7		%	0.1	SM20-2540 G			3/17/09 23:00	MBR	A
METALS										
Arsenic, Total	5.2		mg/kg	3.2	SW846 6010C	3/18/09	SRT	3/18/09 04:37	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

ANALYTICAL LABORATORY SERVICES, INC.
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NELAP Accredited
PA 22-293 NJ PA010
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9780275 NWT-YORK (03/17/09)

Lab ID: **9780275010** Date Collected: 3/17/2009 10:30 Matrix: Solid
Sample ID: **Trestle S-10** Date Received: 3/17/2009 17:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	19.2		%	0.1	SM20-2540 G			3/17/09 23:00	MBR	A
Total Solids	80.8		%	0.1	SM20-2540 G			3/17/09 23:00	MBR	A
METALS										
Arsenic, Total	4.7		mg/kg	3.4	SW846 6010C	3/18/09	SRT	3/18/09 04:41	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9780275 NWT-YORK (03/17/09)

Lab ID: **9780275011** Date Collected: 3/17/2009 10:30 Matrix: Solid
Sample ID: **Trestle S-11** Date Received: 3/17/2009 17:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	18.7		%	0.1	SM20-2540 G			3/17/09 23:00	MBR	A
Total Solids	81.3		%	0.1	SM20-2540 G			3/17/09 23:00	MBR	A
METALS										
Arsenic, Total	5.4		mg/kg	3.3	SW846 6010C	3/18/09	SRT	3/18/09 04:44	SRT	A1

Sample Comments:

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Laboratory Manager

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ANALYTICAL RESULTS

Workorder: 9780275 NWT-YORK (03/17/09)

Lab ID: **9780275012** Date Collected: 3/17/2009 10:30 Matrix: Solid
Sample ID: **Trestle S-12** Date Received: 3/17/2009 17:56

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Moisture	22.8		%	0.1	SM20-2540 G			3/17/09 23:00	MBR	A
Total Solids	77.2		%	0.1	SM20-2540 G			3/17/09 23:00	MBR	A
METALS										
Arsenic, Total	7.4		mg/kg	3.7	SW846 6010C	3/18/09	SRT	3/18/09 04:48	SRT	A1

Sample Comments:

Anna G Milliken
Laboratory Manager

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Environmental • Industrial Hygiene • Field Services
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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 2
Courier:
Tracking #:

Co. Name: ARM Group, Inc.
Contact (Report to): Steve Fulton
Phone: 717-533-8600
Address: 1129 W. Governor Rd.
Hershey, PA 17033

Bill to (if different than Report to):
PO#:

Project Name/#: York NWT / 07214
ALSI Quote #:

TAT: [ ] Normal-Standard TAT is 10-12 business days.
[X] Rush-Subject to ALSI approval and surcharges. 24 hr
Date Required: 3/18/09
Approved By:

Email? [X] -Y sfulton@armgroup.net
Fax? [ ] -Y No.:

***Container Type	CG
***Container Size	4oz
Preservative	None

ANALYSES/METHOD REQUESTED: Arsenic

Enter Number of Containers Per Analysis

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Arsenic
1	Trestle S-1		3/17/09	1030	G	SO	1
2	Trestle S-2						1
3	Trestle S-3						1
4	Trestle S-4						1
5	Trestle S-5						1
6	Trestle S-6						1
7	Trestle S-7						1
8	Trestle S-8						1

Receipt Information (completed by Sample Receiving)
Performed by: [signature]
Cooler Temp: 10
Therm. ID: 9785559
No. of Coolers:
Notes:

	Sample Description/Location	Custody seals Present?	(if present) Seals intact?	Received on ice?	COC/Labels complete/accurate?	Container in good condition?
1	Trestle S-1	Y N	Y N	Y N	Y N	Y N
2	Trestle S-2	Y N	Y N	Y N	Y N	Y N
3	Trestle S-3	Y N	Y N	Y N	Y N	Y N
4	Trestle S-4	Y N	Y N	Y N	Y N	Y N
5	Trestle S-5	Y N	Y N	Y N	Y N	Y N
6	Trestle S-6	Y N	Y N	Y N	Y N	Y N
7	Trestle S-7	Y N	Y N	Y N	Y N	Y N
8	Trestle S-8	Y N	Y N	Y N	Y N	Y N

SAMPLED BY (Please Print): Joe Janick
LOGGED BY (signature): [signature] DATE: 3/17 1180
REVIEWED BY (signature): [signature] DATE: 03/18/09 1090

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 [signature] / ARM	3/17/09	1756	2 [signature]	3/17	1786
3			4		
5			6		
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] ___
EDDs Required? [ ] If yes, format type:
SDWA Forms? yes [ ] yes [ ] yes [ ] yes [ ]
State Samples Collected In? MD [ ] NJ [ ] NY [ ] PA [ ]
Other
Enter PWSID No.
DOD Criteria Required?

ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite **Matrix: Al=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY
Rev 6/07

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK

Page 2 of 2
Courier:
Tracking #:
COC# 9780275

Co. Name: ARM Group, Inc.
Contact (Report to): Steve Fulton
Phone: 717-533-8600
Address: 1129 W. Governor Rd, Hershey, PA 17033

Bill to (if different than Report to):
PO#:
Project Name/#: York NWT /07214
ALSI Quote #:
TAT: [ ] Normal-Standard TAT is 10-12 business days. [X] Rush-Subject to ALSI approval and surcharges. 24 hr.
Date Required: 3/18/09
Approved By:
Email? [X] -Y sfulton@armgroup.net
Fax? [ ] -Y No.:

***Container Type	CG
***Container Size	4oz
*** Preservative	None

ANALYSES/METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Arsenic
1	Trestle S-9		3/17/09	1030	G	SO	1
2	Trestle S-10		↓	↓	↓	↓	1
3	Trestle S-11		↓	↓	↓	↓	1
4	Trestle S-12		↓	↓	↓	↓	1
5							
6							
7							
8							

Enter Number of Containers Per Analysis

Receipt Information (completed by Sample Receiving)
Performed by: [signature]
Cooler Temp: 6
Therm. ID: 5025559
No. of Coolers:
Notes:

Sample	Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Circle appropriate Y or N.
1	Y	Y	Y	Y	
2	Y	Y	Y	Y	
3	Y	Y	Y	Y	
4	Y	Y	Y	Y	

Sample	Custody seals Present?	(if present) Seals intact?	Received on ice?	COC/Labels complete/accurate?	Container in good condition?
1	Y	Y	Y	Y	Y
2	Y	Y	Y	Y	Y
3	Y	Y	Y	Y	Y
4	Y	Y	Y	Y	Y

SAMPLED BY (Please Print): Joe Janick
LOGGED BY (signature): [signature] DATE 3/17 TIME 1182
REVIEWED BY (signature): [signature] DATE 03/18/09 TIME 0901

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	[signature] / ARM	3/17/09	1756	2	[signature]	3/17	1756
3				4			
5				6			
7				8			
9				10			

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] [ ] If yes, format type: Other
SDWA Forms? yes [ ] yes [ ] yes [ ] yes [ ]
State Samples Collected in? MD [ ] NJ [ ] NY [ ] PA [ ]
EDDs Required?
Enter PWSID No.
DOD Criteria Required?

ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite **Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic, Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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Certificate of Analysis

ARM Group Inc.
9175 Guilford Road, Suite 310
Columbia, MD 21046

Date Received: 05/03/11 15:55
Date Issued: 05/04/11 15:34

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11050305

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: SR-W-25	**Matrix: Soil**		**Date Sampled: 05/03/11 12:10**			**Lab ID: 11050305-01**	
Percent Solids							
Percent Solids	83	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	7.4	mg/kg	0.58	EPA 6020A	05/03/11	05/04/11 12:04	MEL
Field Sample ID: SR-W-26	**Matrix: Soil**		**Date Sampled: 05/03/11 12:15**			**Lab ID: 11050305-02**	
Percent Solids							
Percent Solids	92	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	6.5	mg/kg	0.42	EPA 6020A	05/03/11	05/04/11 12:26	MEL
Field Sample ID: SR-W-27	**Matrix: Soil**		**Date Sampled: 05/03/11 12:20**			**Lab ID: 11050305-03**	
Percent Solids							
Percent Solids	95	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	18	mg/kg	0.48	EPA 6020A	05/03/11	05/04/11 12:31	MEL
Field Sample ID: SR-W-28	**Matrix: Soil**		**Date Sampled: 05/03/11 12:25**			**Lab ID: 11050305-04**	
Percent Solids							
Percent Solids	85	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	5.2	mg/kg	0.59	EPA 6020A	05/03/11	05/04/11 12:35	MEL
Field Sample ID: SR-W-29	**Matrix: Soil**		**Date Sampled: 05/03/11 12:30**			**Lab ID: 11050305-05**	
Percent Solids							
Percent Solids	88	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	4.4	mg/kg	0.37	EPA 6020A	05/03/11	05/04/11 12:49	MEL
Field Sample ID: SR-W-30	**Matrix: Soil**		**Date Sampled: 05/03/11 12:35**			**Lab ID: 11050305-06**	
Percent Solids							
Percent Solids	82	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	6.7	mg/kg	0.53	EPA 6020A	05/03/11	05/04/11 12:53	MEL

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Columbia, MD 21046

Date Received: 05/03/11 15:55
Date Issued: 05/04/11 15:34

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11050305

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: SR-W-31	**Matrix: Soil**		**Date Sampled: 05/03/11 12:40**			**Lab ID: 11050305-07**	
Percent Solids							
Percent Solids	88	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	12	mg/kg	0.43	EPA 6020A	05/03/11	05/04/11 12:58	MEL
Field Sample ID: SR-W-32	**Matrix: Soil**		**Date Sampled: 05/03/11 12:45**			**Lab ID: 11050305-08**	
Percent Solids							
Percent Solids	93	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	14	mg/kg	0.37	EPA 6020A	05/03/11	05/04/11 13:02	MEL
Field Sample ID: SR-W-33	**Matrix: Soil**		**Date Sampled: 05/03/11 12:50**			**Lab ID: 11050305-09**	
Percent Solids							
Percent Solids	94	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	8.0	mg/kg	0.39	EPA 6020A	05/03/11	05/04/11 13:07	MEL
Field Sample ID: SR-W-34	**Matrix: Soil**		**Date Sampled: 05/03/11 12:55**			**Lab ID: 11050305-10**	
Percent Solids							
Percent Solids	84	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	7.7	mg/kg	0.48	EPA 6020A	05/03/11	05/04/11 13:11	MEL
Field Sample ID: SR-W-35	**Matrix: Soil**		**Date Sampled: 05/03/11 13:00**			**Lab ID: 11050305-11**	
Percent Solids							
Percent Solids	88	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	6.2	mg/kg	0.43	EPA 6020A	05/03/11	05/04/11 13:16	MEL
Field Sample ID: SR-W-36	**Matrix: Soil**		**Date Sampled: 05/03/11 13:05**			**Lab ID: 11050305-12**	
Percent Solids							
Percent Solids	91	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	8.0	mg/kg	0.5	EPA 6020A	05/03/11	05/04/11 13:20	MEL

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Columbia, MD 21046

Date Received: 05/03/11 15:55
Date Issued: 05/04/11 15:34

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11050305

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: SR-W-37	**Matrix: Soil**		**Date Sampled: 05/03/11 13:10**			**Lab ID: 11050305-13**	
Percent Solids							
Percent Solids	94	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	9.2	mg/kg	0.45	EPA 6020A	05/03/11	05/04/11 13:25	MEL
Field Sample ID: SR-W-38	**Matrix: Soil**		**Date Sampled: 05/03/11 13:15**			**Lab ID: 11050305-14**	
Percent Solids							
Percent Solids	91	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	7.4	mg/kg	0.49	EPA 6020A	05/03/11	05/04/11 13:29	MEL
Field Sample ID: SR-W-39	**Matrix: Soil**		**Date Sampled: 05/03/11 13:20**			**Lab ID: 11050305-15**	
Percent Solids							
Percent Solids	77	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	41	mg/kg	0.61	EPA 6020A	05/03/11	05/04/11 13:42	MEL
Field Sample ID: SR-W-40	**Matrix: Soil**		**Date Sampled: 05/03/11 13:25**			**Lab ID: 11050305-16**	
Percent Solids							
Percent Solids	82	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	6.2	mg/kg	0.47	EPA 6020A	05/03/11	05/04/11 13:47	MEL
Field Sample ID: SR-W-41	**Matrix: Soil**		**Date Sampled: 05/03/11 13:30**			**Lab ID: 11050305-17**	
Percent Solids							
Percent Solids	76	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	21	mg/kg	0.62	EPA 6020A	05/03/11	05/04/11 13:51	MEL
Field Sample ID: SR-W-42	**Matrix: Soil**		**Date Sampled: 05/03/11 13:35**			**Lab ID: 11050305-18**	
Percent Solids							
Percent Solids	92	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	46	mg/kg	0.47	EPA 6020A	05/03/11	05/04/11 13:56	MEL

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Columbia, MD 21046

Date Received: 05/03/11 15:55
Date Issued: 05/04/11 15:34

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11050305

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: SR-W-43	**Matrix: Soil**		**Date Sampled: 05/03/11 13:40**			**Lab ID: 11050305-19**	
Percent Solids							
Percent Solids	69	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	100	mg/kg	0.37	EPA 6020A	05/03/11	05/04/11 14:00	MEL
Field Sample ID: SR-W-44	**Matrix: Soil**		**Date Sampled: 05/03/11 13:45**			**Lab ID: 11050305-20**	
Percent Solids							
Percent Solids	84	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	6.3	mg/kg	0.4	EPA 6020A	05/03/11	05/04/11 14:05	MEL
Field Sample ID: SR-W-45	**Matrix: Soil**		**Date Sampled: 05/03/11 13:50**			**Lab ID: 11050305-21**	
Percent Solids							
Percent Solids	86	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	5.7	mg/kg	0.53	EPA 6020A	05/03/11	05/04/11 14:09	MEL
Field Sample ID: SR-W-46	**Matrix: Soil**		**Date Sampled: 05/03/11 13:55**			**Lab ID: 11050305-22**	
Percent Solids							
Percent Solids	96	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	22	mg/kg	0.44	EPA 6020A	05/03/11	05/04/11 14:14	MEL
Field Sample ID: SR-W-47	**Matrix: Soil**		**Date Sampled: 05/03/11 14:00**			**Lab ID: 11050305-23**	
Percent Solids							
Percent Solids	95	%		SM2540G	05/04/11	05/04/11 10:07	LMJ
Total Metals							
Arsenic	9.4	mg/kg	0.33	EPA 6020A	05/03/11	05/04/11 14:18	MEL
Field Sample ID: SR-W-48	**Matrix: Soil**		**Date Sampled: 05/03/11 14:05**			**Lab ID: 11050305-24**	
Percent Solids							
Percent Solids	82	%		SM2540G	05/04/11	05/04/11 10:08	LMJ
Total Metals							
Arsenic	9.6	mg/kg	0.39	EPA 6020A	05/03/11	05/04/11 14:23	MEL

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Date Received: 05/03/11 15:55
Date Issued: 05/04/11 15:34

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11050305

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.

Approved by:

QC Chemist

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.
Results reported on a dry weight basis.

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CALIBER ANALYTICAL SERVICES

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Chain of Custody Record

Customer:	ARM Group Inc
Contact/Report to:	Steve Fulton
Phone:	717-533-8600
Fax:	717-533-8605

E-mail address:	sfulton@armgroup.net
Project Name:	Northwest Triangle
Project Number:	07214
Location:	York, PA

SDG Number:	11050305
PO Number:	

Analysis Requested

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Matrix	Preservative	—										Sampling Remarks/ Comments
							Arsenic										
	SR-W-25	5-3-11	12:10	1	SO		1										
	SR-W-26		12:15	1			1										
	SR-W-27		12:20	1			1										
	SR-W-28		12:25	1			1										
	SR-W-29		12:30	1			1										
	SR-W-30		12:35	1			1										
	SR-W-31		12:40	1			1										
	SR-W-32		12:45	1			1										
	SR-W-33		12:50	1			1										
	SR-W-34		12:55	1			1										

Relinquished by:	ARM Group	Date/Time:	5-3-11 15:55
Received by:	M. Coller	Date/Time:	5/3/11 1555
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

Deliverables: I II III CLP EDD

Receipt Temperature: Temp:_____ On Ice

Turnaround Time: STD Next Day 2-Day Other_____

Custody Seals: Sample Cooler Delivered by client

Comments/Special Instructions:

CALIBER ANALYTICAL SERVICES

8851 Orchard Tree Lane Towson, MD 21286
Phone: 410.825.1151
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Chain of Custody Record

Customer:	ARM Group
Contact/Report to:	Steve Fulton
Phone:	717-533-8600
Fax:	717-533-8605

E-mail address:	sfulton@armgroup.net
Project Name:	Northwest Triangle
Project Number:	07214
Location:	York, PA

SDG Number:	11050305
PO Number:	

Analysis Requested

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Matrix	Preservative	Arsenic									Sampling Remarks/ Comments
	SR-W-35	5/3/11	13:00	1	SO		1									
	SR-W-36	↓	13:05	1	↓		1									
	SR-W-37		13:10	1			1									
	SR-W-38		13:15	1			1									
	SR-W-39		13:20	1			1									
	SR-W-40		13:25	1			1									
	SR-W-41		13:30	1			1									
	SR-W-42		13:35	1			1									
	SR-W-43		13:40	1			1									
	SR-W-44	↓	13:45	1	↓		1									

Relinquished by:	ARM Group	Date/Time:	5-3-11 15:55
Received by:		Date/Time:	5/3/11 1555
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

Deliverables: I II III CLP EDD

Receipt Temperature: Temp:_____ On Ice

Turnaround Time: STD Next Day 2-Day Other_____

Custody Seals: Sample Cooler Delivered by client

Comments/Special Instructions:

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Chain of Custody Record

Customer:	ARM Group
Contact/Report to:	Steve Fulton
Phone:	717-533-8600
Fax:	717-533-8605

E-mail address:	sfulton@armgroup.net
Project Name:	Northwest Triangle
Project Number:	07214
Location:	York, PA

SDG Number:	11050305
PO Number:	

Analysis Requested

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Matrix	Preservative	Arsenic									Sampling Remarks/ Comments
	SR-W-45	5/3/11	13:50	1	SO		1									
	SR-W-46	↓	13:55	1	↓		1									
	SR-W-47		14:00	1			1									
	SR-W-48		14:05	1			1									

Relinquished by:	ARM Group	Date/Time:	5-3-11 15:55	Deliverables:	Receipt Temperature:	Turnaround Time:
Received by:		Date/Time:	5/3/11 1555	I II III CLP EDD	Temp:_____ On Ice	STD Next Day 2-Day Other_____
Relinquished by:		Date/Time:		Custody Seals:	Comments/Special Instructions:	
Received by:		Date/Time:		Sample Cooler		
Relinquished by:		Date/Time:		Delivered by client		
Received by:		Date/Time:				

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Certificate of Analysis

ARM Group Inc.
9175 Guilford Road, Suite 310
Columbia, MD 21046

Date Received: 05/04/11 16:33
Date Issued: 05/05/11 16:29

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11050411

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: SR-E-1	**Matrix: Soil**		**Date Sampled: 05/04/11 13:00**			**Lab ID: 11050411-01**	
Percent Solids							
Percent Solids	84	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	13	mg/kg	0.58	EPA 6020A	05/04/11	05/05/11 12:27	MEL
Field Sample ID: SR-E-2	**Matrix: Soil**		**Date Sampled: 05/04/11 13:05**			**Lab ID: 11050411-02**	
Percent Solids							
Percent Solids	88	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	4.0	mg/kg	0.46	EPA 6020A	05/04/11	05/05/11 12:52	MEL
Field Sample ID: SR-E-3	**Matrix: Soil**		**Date Sampled: 05/04/11 13:10**			**Lab ID: 11050411-03**	
Percent Solids							
Percent Solids	82	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	4.8	mg/kg	0.44	EPA 6020A	05/04/11	05/05/11 12:57	MEL
Field Sample ID: SR-E-4	**Matrix: Soil**		**Date Sampled: 05/04/11 13:15**			**Lab ID: 11050411-04**	
Percent Solids							
Percent Solids	83	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	6.5	mg/kg	0.47	EPA 6020A	05/04/11	05/05/11 13:02	MEL
Field Sample ID: SR-E-5	**Matrix: Soil**		**Date Sampled: 05/04/11 13:20**			**Lab ID: 11050411-05**	
Percent Solids							
Percent Solids	83	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	8.0	mg/kg	0.44	EPA 6020A	05/04/11	05/05/11 13:17	MEL
Field Sample ID: SR-E-6	**Matrix: Soil**		**Date Sampled: 05/04/11 13:25**			**Lab ID: 11050411-06**	
Percent Solids							
Percent Solids	81	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	5.3	mg/kg	0.51	EPA 6020A	05/04/11	05/05/11 13:23	MEL

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Certificate of Analysis

ARM Group Inc.
9175 Guilford Road, Suite 310
Columbia, MD 21046

Date Received: 05/04/11 16:33
Date Issued: 05/05/11 16:29

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11050411

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: SR-E-7	**Matrix: Soil**		**Date Sampled: 05/04/11 13:30**			**Lab ID: 11050411-07**	
Percent Solids							
Percent Solids	85	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	4.2	mg/kg	0.54	EPA 6020A	05/04/11	05/05/11 13:28	MEL
Field Sample ID: SR-E-8	**Matrix: Soil**		**Date Sampled: 05/04/11 13:35**			**Lab ID: 11050411-08**	
Percent Solids							
Percent Solids	77	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	8.0	mg/kg	0.48	EPA 6020A	05/04/11	05/05/11 13:33	MEL
Field Sample ID: SR-E-9	**Matrix: Soil**		**Date Sampled: 05/04/11 13:40**			**Lab ID: 11050411-09**	
Percent Solids							
Percent Solids	78	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	7.8	mg/kg	0.6	EPA 6020A	05/04/11	05/05/11 13:38	MEL
Field Sample ID: SR-E-10	**Matrix: Soil**		**Date Sampled: 05/04/11 13:45**			**Lab ID: 11050411-10**	
Percent Solids							
Percent Solids	85	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	19	mg/kg	0.38	EPA 6020A	05/04/11	05/05/11 13:43	MEL
Field Sample ID: SR-E-11	**Matrix: Soil**		**Date Sampled: 05/04/11 13:50**			**Lab ID: 11050411-11**	
Percent Solids							
Percent Solids	81	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	10	mg/kg	0.55	EPA 6020A	05/04/11	05/05/11 13:48	MEL
Field Sample ID: SR-E-12	**Matrix: Soil**		**Date Sampled: 05/04/11 13:55**			**Lab ID: 11050411-12**	
Percent Solids							
Percent Solids	73	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	7.1	mg/kg	0.57	EPA 6020A	05/04/11	05/05/11 13:53	MEL

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Certificate of Analysis

ARM Group Inc.
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Columbia, MD 21046

Date Received: 05/04/11 16:33
Date Issued: 05/05/11 16:29

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11050411

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: OB-EX-22 (54")	**Matrix: Soil**		**Date Sampled: 05/04/11 15:05**			**Lab ID: 11050411-13**	
Percent Solids							
Percent Solids	82	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	5.7	mg/kg	0.48	EPA 6020A	05/04/11	05/05/11 13:58	MEL
Lead	37	mg/kg	2.4	EPA 6020A	05/04/11	05/05/11 13:58	MEL
Field Sample ID: OB-EX-30 (16")	**Matrix: Soil**		**Date Sampled: 05/04/11 15:10**			**Lab ID: 11050411-14**	
Percent Solids							
Percent Solids	87	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	4.4	mg/kg	0.57	EPA 6020A	05/04/11	05/05/11 14:03	MEL
Lead	19	mg/kg	2.8	EPA 6020A	05/04/11	05/05/11 14:03	MEL
Field Sample ID: OB-EX-31 (54")	**Matrix: Soil**		**Date Sampled: 05/04/11 15:15**			**Lab ID: 11050411-15**	
Percent Solids							
Percent Solids	83	%		SM2540G	05/05/11	05/05/11 9:49	LMJ
Total Metals							
Arsenic	10	mg/kg	0.34	EPA 6020A	05/04/11	05/05/11 14:08	MEL
Lead	570	mg/kg	1.7	EPA 6020A	05/04/11	05/05/11 14:08	MEL

Approved by: Matt Cohen

QC Chemist

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.
Results reported on a dry weight basis.

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CALIBER ANALYTICAL SERVICES

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Chain of Custody Record

Customer:	ARM Group
Contact/Report to:	Steve Fulton
Phone:	717-533-8600
Fax:	717-533-8605

E-mail address:	sfulton@armgroup.net
Project Name:	Northwest Triangle
Project Number:	07214
Location:	York, PA

SDG Number:	11050411
Sampled by:	K. Schiefer
PO Number:	

Analysis Requested

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Matrix	Preservative	—									Sampling Remarks/ Comments
						Arsenic										
	SR-E-1	5/4/11	13:00	1	SO	1										
	SR-E-2	↓	13:05	1	↓	1										
	SR-E-3		13:10	1		1										
	SR-E-4		13:15	1		1										
	SR-E-5		13:20	1		1										
	SR-E-6		13:25	1		1										
	SR-E-7		13:30	1		1										
	SR-E-8		13:35	1		1										
	SR-E-9		13:40	1		1										
	SR-E-10	↓	13:45	1	↓	1										

Relinquished by:	ARM Group	Date/Time:	5/4/11 16:30
Received by:		Date/Time:	5/4/11 1630
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

Deliverables: I II III CLP EDD

Receipt Temperature: Temp: NA On Ice

Turnaround Time: STD Next Day 2-Day Other____

Custody Seals: Sample Cooler Delivered by client

Comments/Special Instructions:

CALIBER ANALYTICAL SERVICES

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Chain of Custody Record

Customer:	ARM Group
Contact/Report to:	Steve Fulton
Phone:	717-533-8600
Fax:	717-533-8605

E-mail address:	sfulton@armgroup.net
Project Name:	Northwest Triangle
Project Number:	07214
Location:	York, PA

SDG Number:	11050411
Sampled by:	K. Schiefer
PO Number:	

Analysis Requested

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Matrix	Preservative	Arsenic	Lead									Sampling Remarks/ Comments
							–	–									
	SR-E-11	5/4/11	13:50	1	SO		1										
	SR-E-12	5/4/11	13:55	1	SO		1										
	OB-EX-22 [54"]	5/4/11	15:05	1	SO		1	1									
	OB-EX-30 [16"]	5/4/11	15:10	1	SO		1	1									
	OB-EX-31 [54"]	5/4/11	15:15	1	SO		1	1									

Relinquished by:	ARM Group	Date/Time:	5/4/11 16:30	Deliverables:	Receipt Temperature:	Turnaround Time:
Received by:		Date/Time:	5/4/11 16:30	I II III CLP EDD	Temp: NA On Ice	STD Next Day 2-Day Other____
Relinquished by:		Date/Time:		Custody Seals:	Comments/Special Instructions:	
Received by:		Date/Time:		Sample Cooler		
Relinquished by:		Date/Time:		Delivered by client		
Received by:		Date/Time:				

CALIBER ANALYTICAL SERVICES

Certificate of Analysis

ARM Group Inc.
9175 Guilford Road, Suite 310
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Date Received: 05/13/11 13:19
Date Issued: 05/16/11 17:07

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11051303

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: SR-W-61	**Matrix: Soil**		**Date Sampled: 05/13/11 9:45**			**Lab ID: 11051303-01**	
Percent Solids							
Percent Solids	81	%		SM2540G	05/16/11	05/16/11 15:18	LMJ
Total Metals							
Arsenic	8.2	mg/kg	0.61	EPA 6020A	05/13/11	05/16/11 10:07	MEL
Field Sample ID: SR-W-62	**Matrix: Soil**		**Date Sampled: 05/13/11 9:50**			**Lab ID: 11051303-02**	
Percent Solids							
Percent Solids	77	%		SM2540G	05/16/11	05/16/11 15:18	LMJ
Total Metals							
Arsenic	14	mg/kg	0.4	EPA 6020A	05/13/11	05/16/11 10:32	MEL
Field Sample ID: SR-W-63	**Matrix: Soil**		**Date Sampled: 05/13/11 9:55**			**Lab ID: 11051303-03**	
Percent Solids							
Percent Solids	78	%		SM2540G	05/16/11	05/16/11 15:18	LMJ
Total Metals							
Arsenic	11	mg/kg	0.54	EPA 6020A	05/13/11	05/16/11 10:37	MEL
Field Sample ID: SR-W-64	**Matrix: Soil**		**Date Sampled: 05/13/11 10:00**			**Lab ID: 11051303-04**	
Percent Solids							
Percent Solids	88	%		SM2540G	05/16/11	05/16/11 15:18	LMJ
Total Metals							
Arsenic	5.5	mg/kg	0.47	EPA 6020A	05/13/11	05/16/11 10:52	MEL
Field Sample ID: SR-W-65	**Matrix: Soil**		**Date Sampled: 05/13/11 10:05**			**Lab ID: 11051303-05**	
Percent Solids							
Percent Solids	82	%		SM2540G	05/16/11	05/16/11 15:18	LMJ
Total Metals							
Arsenic	9.6	mg/kg	0.45	EPA 6020A	05/13/11	05/16/11 10:57	MEL
Field Sample ID: SR-W-66	**Matrix: Soil**		**Date Sampled: 05/13/11 10:10**			**Lab ID: 11051303-06**	
Percent Solids							
Percent Solids	97	%		SM2540G	05/16/11	05/16/11 15:18	LMJ
Total Metals							
Arsenic	4.7	mg/kg	0.28	EPA 6020A	05/13/11	05/16/11 11:02	MEL

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Date Received: 05/13/11 13:19
Date Issued: 05/16/11 17:07

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11051303

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Field Sample ID: SR-W-67	**Matrix: Soil**		**Date Sampled: 05/13/11 10:15**			**Lab ID: 11051303-07**	
Percent Solids							
Percent Solids	80	%		SM2540G	05/16/11	05/16/11 15:18	LMJ
Total Metals							
Arsenic	16	mg/kg	0.47	EPA 6020A	05/13/11	05/16/11 11:07	MEL
Field Sample ID: SR-W-68	**Matrix: Soil**		**Date Sampled: 05/13/11 10:20**			**Lab ID: 11051303-08**	
Percent Solids							
Percent Solids	79	%		SM2540G	05/16/11	05/16/11 15:18	LMJ
Total Metals							
Arsenic	5.9	mg/kg	0.34	EPA 6020A	05/13/11	05/16/11 11:13	MEL
Field Sample ID: SR-W-69	**Matrix: Soil**		**Date Sampled: 05/13/11 10:25**			**Lab ID: 11051303-09**	
Percent Solids							
Percent Solids	94	%		SM2540G	05/16/11	05/16/11 15:18	LMJ
Total Metals							
Arsenic	7.7	mg/kg	0.44	EPA 6020A	05/13/11	05/16/11 11:18	MEL
Field Sample ID: SR-W-70	**Matrix: Soil**		**Date Sampled: 05/13/11 10:30**			**Lab ID: 11051303-10**	
Percent Solids							
Percent Solids	87	%		SM2540G	05/16/11	05/16/11 15:18	LMJ
Total Metals							
Arsenic	4.6	mg/kg	0.5	EPA 6020A	05/13/11	05/16/11 11:23	MEL
Field Sample ID: SR-W-71	**Matrix: Soil**		**Date Sampled: 05/13/11 10:35**			**Lab ID: 11051303-11**	
Percent Solids							
Percent Solids	88	%		SM2540G	05/16/11	05/16/11 15:18	LMJ
Total Metals							
Arsenic	5.4	mg/kg	0.42	EPA 6020A	05/13/11	05/16/11 11:28	MEL
Field Sample ID: SR-W-72	**Matrix: Soil**		**Date Sampled: 05/13/11 10:40**			**Lab ID: 11051303-12**	
Percent Solids							
Percent Solids	84	%		SM2540G	05/16/11	05/16/11 15:18	LMJ
Total Metals							
Arsenic	3.8	mg/kg	0.34	EPA 6020A	05/13/11	05/16/11 11:33	MEL

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CALIBER ANALYTICAL SERVICES

Certificate of Analysis

ARM Group Inc.
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Columbia, MD 21046

Date Received: 05/13/11 13:19
Date Issued: 05/16/11 17:07

Project: Northwest Triangle
Site Location: York, PA
Project Number: 07214

SDG Number: 11051303

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.

Approved by: Matt Cohen

QC Chemist

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.
Results reported on a dry weight basis.

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Chain of Custody Record

Customer:	ARM Group
Contact/Report to:	Steve Fulton
Phone:	717-533-8600
Fax:	717-533-8605

E-mail address:	sfulton@armgroup.net
Project Name:	Northwest Triangle
Project Number:	67214
Location:	York, PA

SDG Number:	11051303
Sampled by:	K. Schiefer
PO Number:	

Analysis Requested

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Matrix	Preservative	–										Sampling Remarks/ Comments
							Arsenic										
	SR-W-61	5/13/11	9:45	1	SO		1										
	SR-W-62	↓	9:50	1	↓		1										
	SR-W-63		9:55	1			1										
	SR-W-64		10:00	1			1										
	SR-W-65		10:05	1			1										
	SR-W-66		10:10	1			1										
	SR-W-67		10:15	1			1										
	SR-W-68		10:20	1			1										
	SR-W-69		10:25	1			1										
	SR-W-70		10:30	1			1										

Relinquished by:	ARM Group	Date/Time:	5/13/11 12:55	Deliverables:	Receipt Temperature:	Turnaround Time:
Received by:	M. Colee CAS	Date/Time:	5/13/11 1255	I II III CLP EDD	Temp:_____ On Ice	STD Next Day 2-Day Other_____
Relinquished by:		Date/Time:		Custody Seals:	Comments/Special Instructions:	
Received by:		Date/Time:		Sample Cooler		
Relinquished by:		Date/Time:		Delivered by client		
Received by:		Date/Time:				

CALIBER ANALYTICAL SERVICES

8851 Orchard Tree Lane Towson, MD 21286
Phone: 410.825.1151
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Chain of Custody Record

Customer:	ARM Group
Contact/Report to:	Steve Fulton
Phone:	717-533-8600
Fax:	717-533-8605

E-mail address:	sfulton@armgroup.net
Project Name:	Northwest Triangle
Project Number:	07214
Location:	York, PA

SDG Number:	1105303

Sampled by:	K. Schiefer
PO Number:	

Analysis Requested

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Matrix	Preservative	—										Sampling Remarks/ Comments
							Arsenic										
	SR-W-71	5/13/11	10:35	1	SO		1										
	SR-W-72	5/13/11	10:40	1	SO		1										

Relinquished by:	ARM Group	Date/Time:	5/13/11 12:55	Deliverables:	Receipt Temperature:	Turnaround Time:
Received by:	M. Cohen CAS	Date/Time:	5/13/11 1255	I II III CLP EDD	Temp:_____ On Ice	STD Next Day 3-Day Other_____
Relinquished by:		Date/Time:		Custody Seals:	Comments/Special Instructions:	
Received by:		Date/Time:		Sample Cooler		
Relinquished by:		Date/Time:		Delivered by client		
Received by:		Date/Time:				

APPENDIX H

Attainment Demonstration Information for Soils

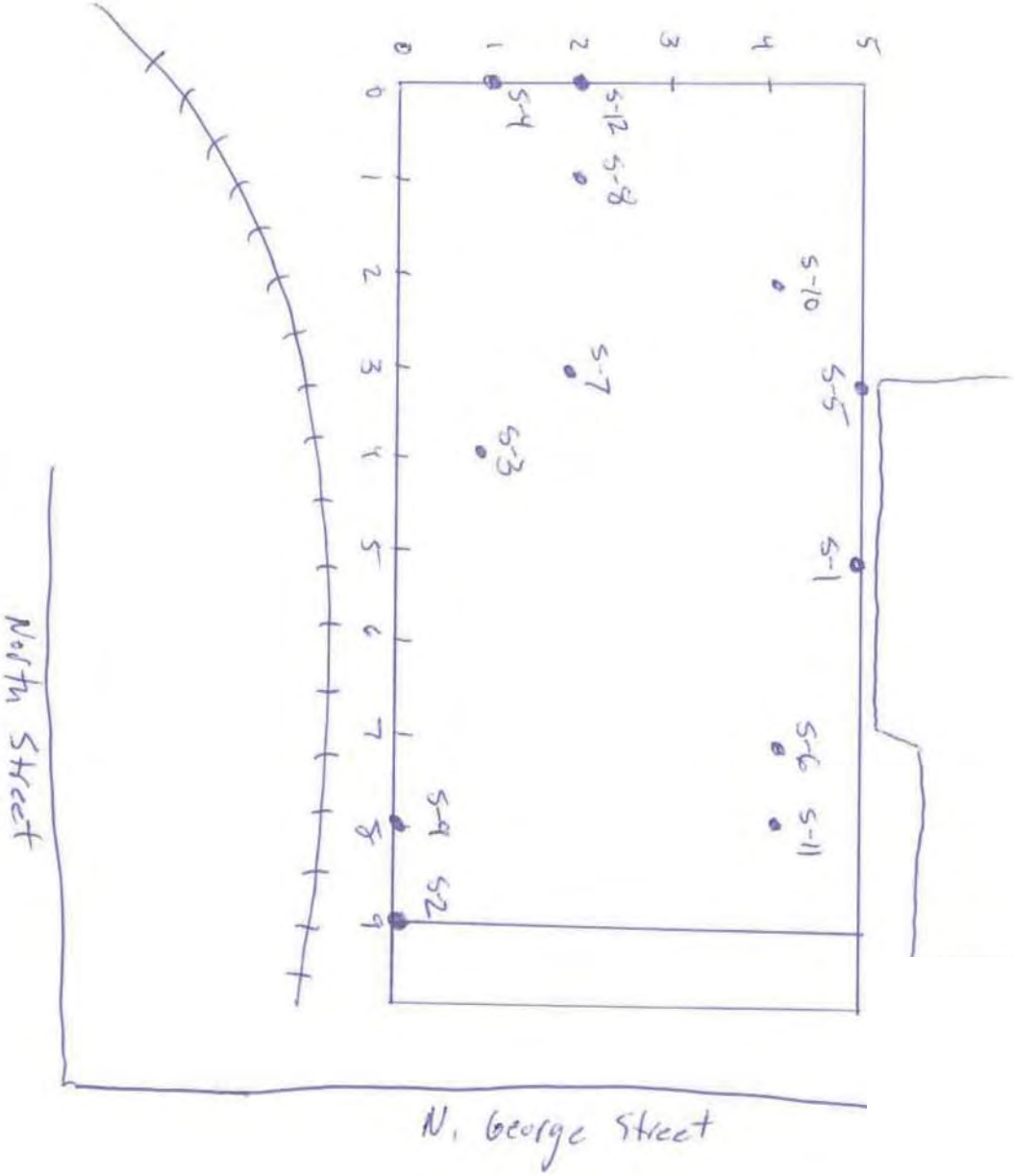

Figure 1

Random Sample Location Map

York Northwest Triangle
York Rail Excavation (3/4/09)

May 2009

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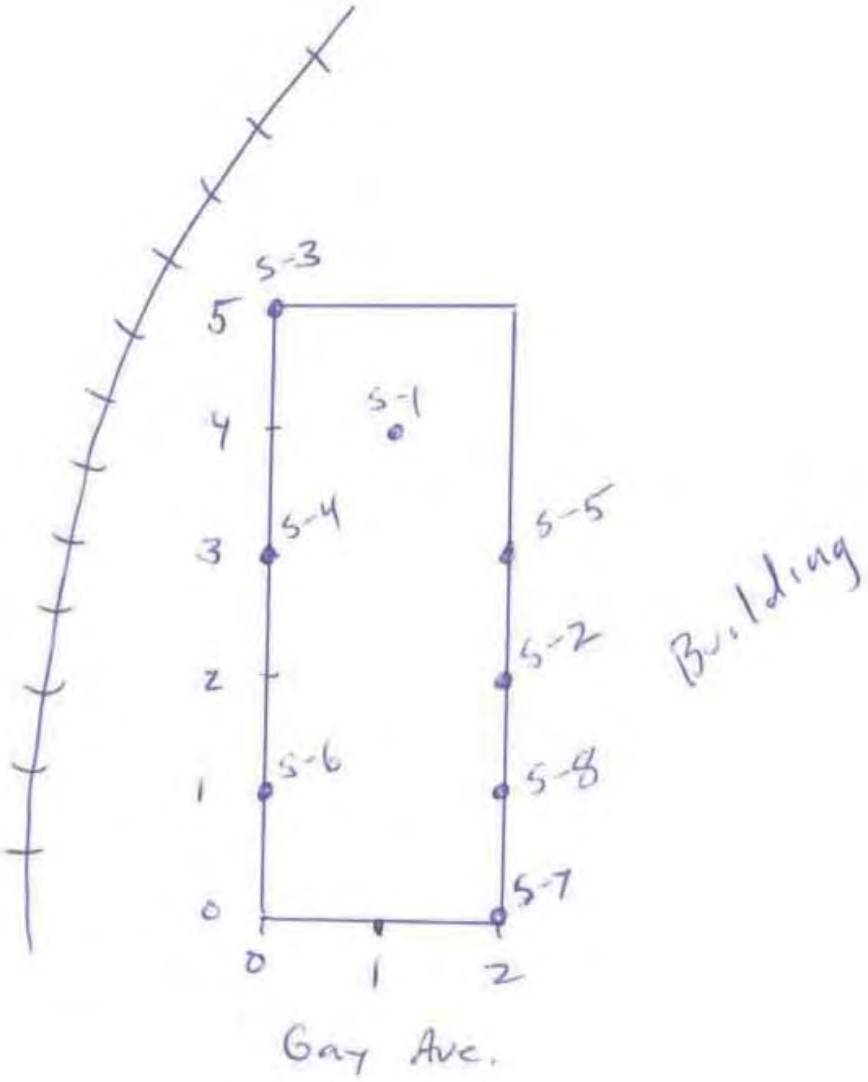

Figure 2

Random Sample Location Map

York Northwest Triangle
Keystone Color Works Excavation
(3/10/09)

May 2009

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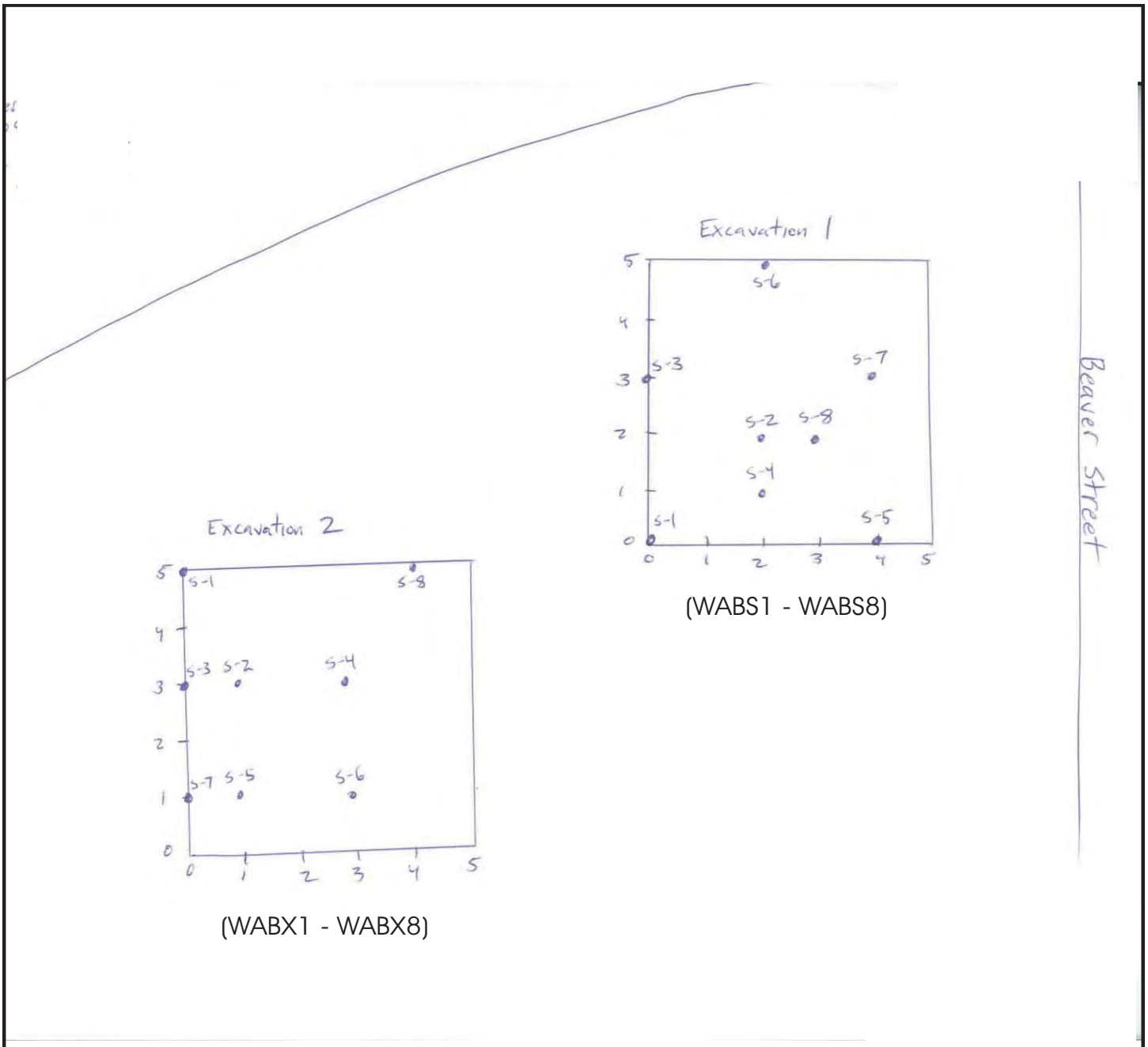
ARM Group Inc.
Earth Resource Engineers and Consultants
1129 West Governor Road • Hershey, PA 17033-0797



N

Figure 3

Random Sample Location Map

York Northwest Triangle
Weaver's Auto Excavation (3/9/09)

May 2009

07214

ARM Group Inc.
Earth Resource Engineers and Consultants
1129 West Governor Road • Hershey, PA 17033-0797

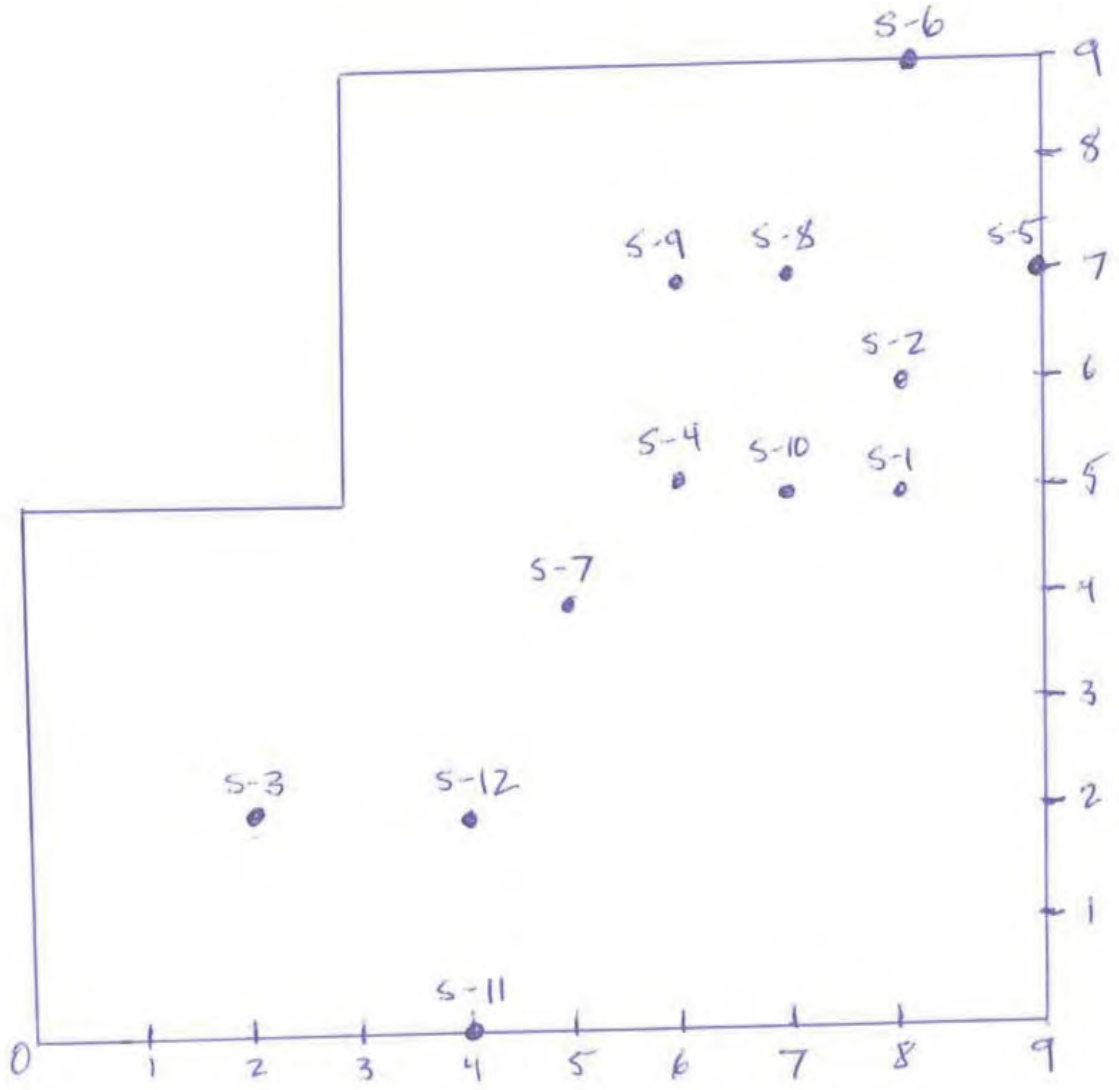


Figure 4

N

Random Sample Location Map
York Northwest Triangle B & C Fasteners Western Excavation (2/27/09)
May 2009
07214

ARM Group Inc.
Earth Resource Engineers and Consultants
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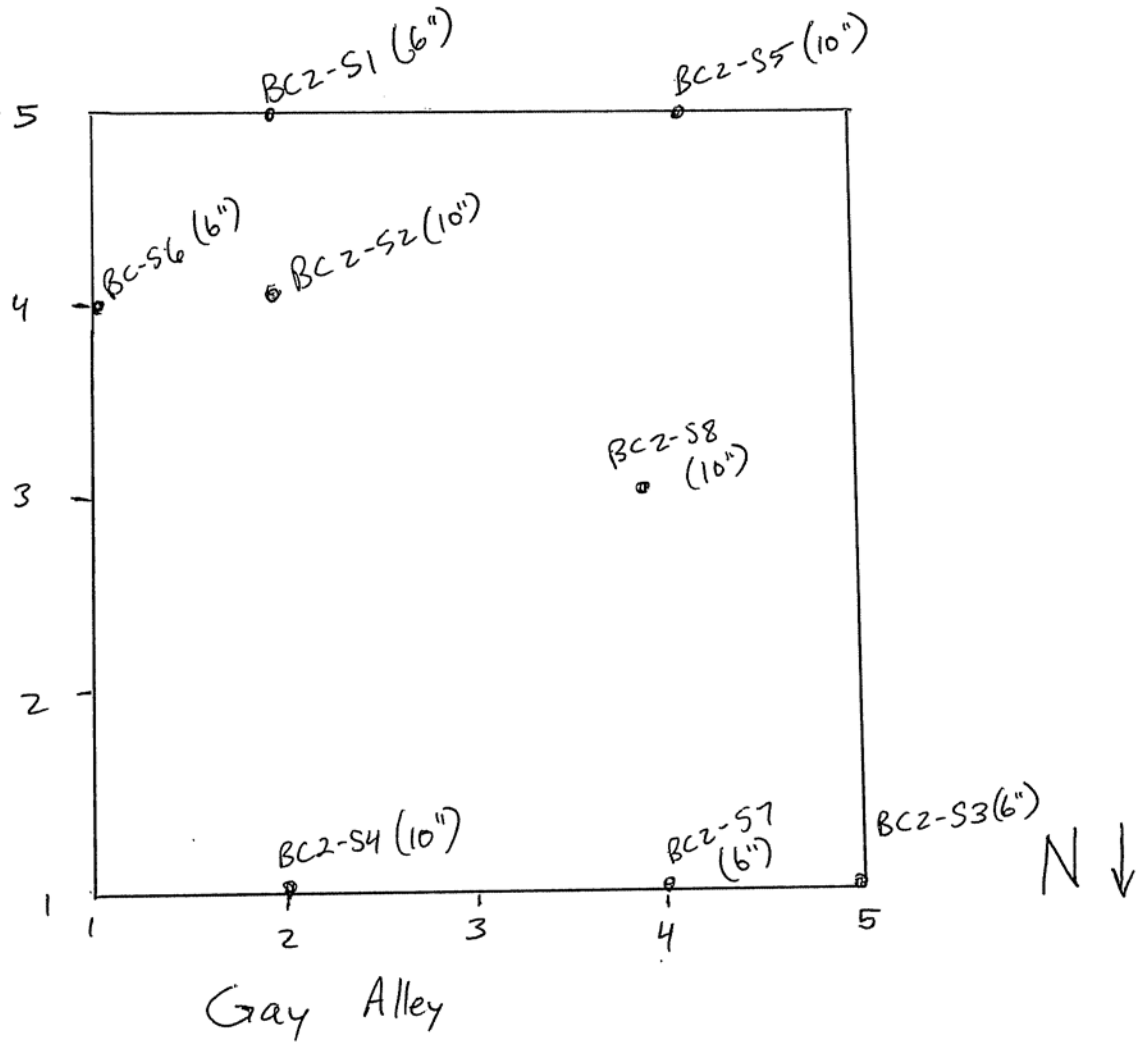

N

Figure 5

Random Sample Location Map

York Northwest Triangle
B & C Fasteners North Excavation (3/3/09)

November 2009

07214

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Earth Resource Engineers and Consultants
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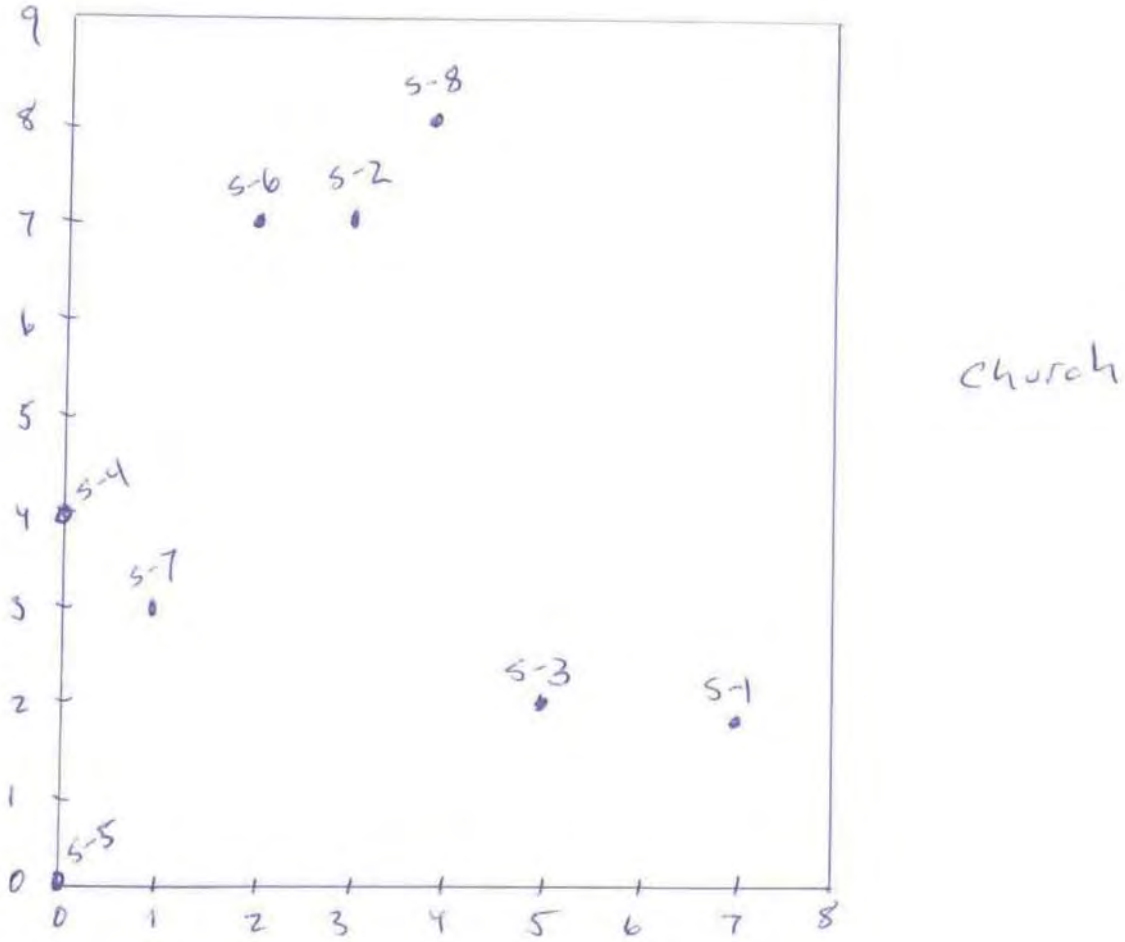

Figure 6

Random Sample Location Map

York Northwest Triangle
B & C Fasteners East
Excavation - Beside UST (3/6/09)

May 2009

07214

ARM Group Inc.
Earth Resource Engineers and Consultants
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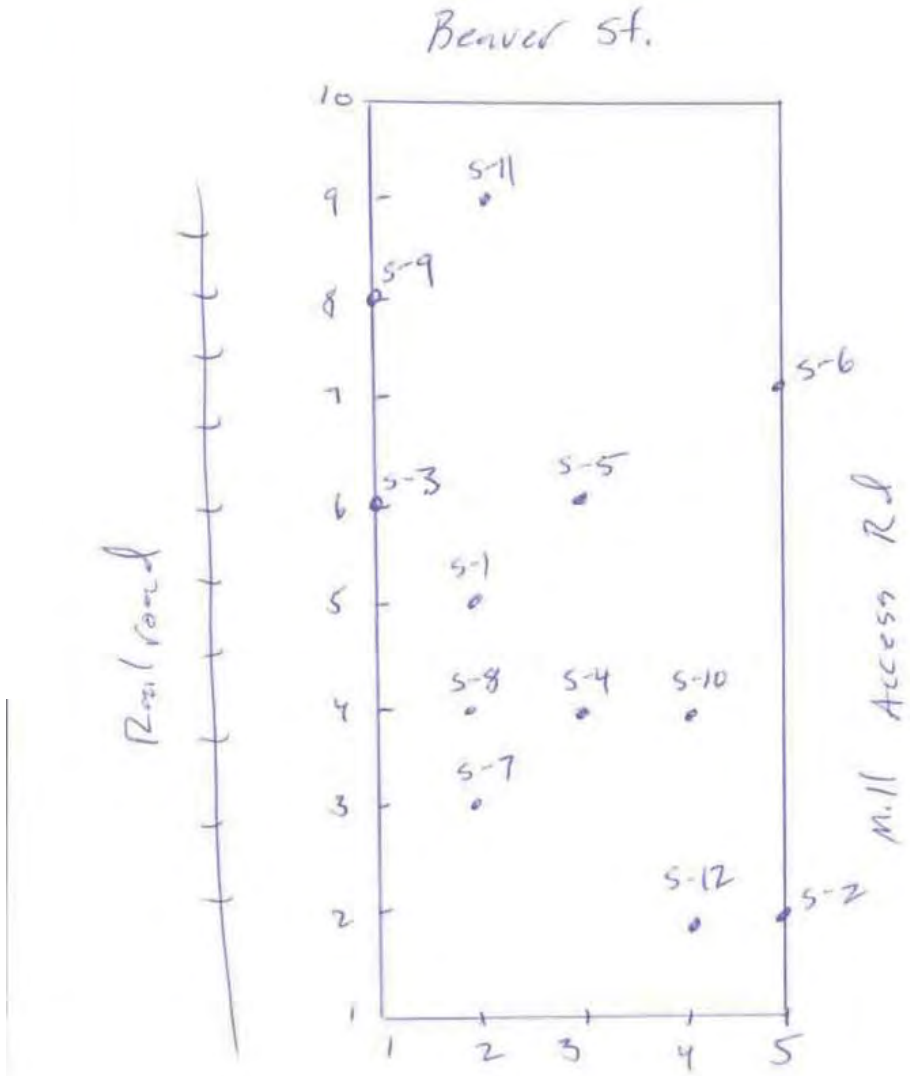

Figure 7

Random Sample Location Map

York Northwest Triangle
Trestle Area Excavation (2/26/09)

May 2009

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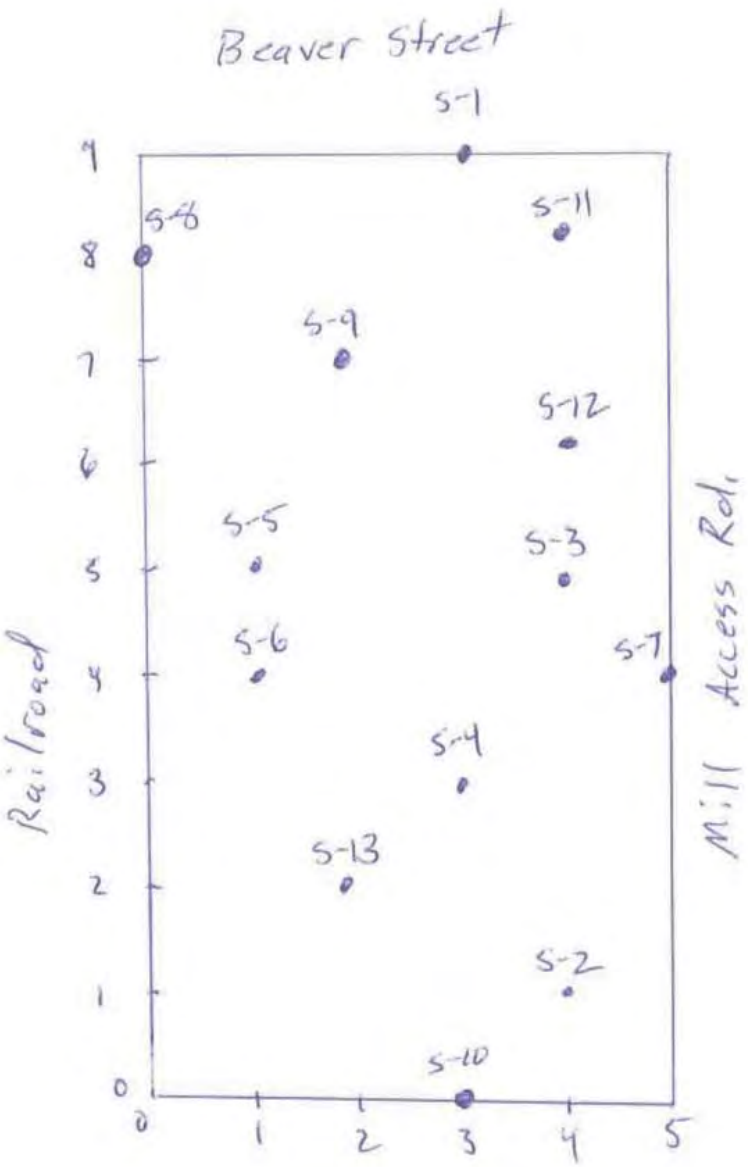

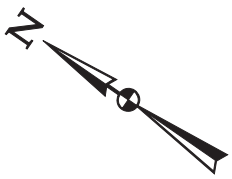

Figure 8

Random Sample Location Map

York Northwest Triangle
Trestle Area Excavation (3/17/09)

May 2009

07214

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Earth Resource Engineers and Consultants
1129 West Governor Road • Hershey, PA 17033-0797

Table IV-1. Random Number Table

67	35	39	82	14	21	81	21	96	81	65	41	49	04	80	38	34	13	03	15	96	42	55	62	54
43	25	59	81	92	29	54	98	87	58	77	38	02	09	27	06	83	23	00	90	63	39	04	52	72
93	16	47	22	58	33	01	43	61	70	10	55	75	64	68	40	17	24	98	10	53	93	00	31	43
76	77	01	14	64	62	38	18	48	04	77	42	32	38	34	34	34	91	42	14	98	51	98	29	05
69	46	32	94	85	32	27	87	78	37	73	39	25	48	92	91	57	68	52	55	11	08	99	13	55
79	92	47	00	30	13	95	52	30	16	41	45	60	80	42	90	05	38	89	84	04	33	13	21	72
84	35	41	19	11	63	65	09	06	44	43	71	87	58	78	95	27	91	41	54	10	42	38	55	83
18	57	74	64	75	42	79	88	46	32	90	31	29	09	90	07	59	89	22	74	50	05	90	43	37
14	18	29	77	76	54	35	67	41	92	09	28	91	97	68	05	60	09	22	47	04	96	99	06	24
49	02	18	20	81	94	15	81	23	52	28	84	83	75	19	13	55	96	13	70	49	79	66	85	27
49	44	95	16	39	39	13	83	99	97	38	48	63	01	40	03	95	68	71	39	36	99	24	29	55
62	07	74	32	26	41	64	83	37	57	55	37	51	98	24	99	16	02	88	85	13	65	61	81	59
75	35	06	72	07	45	22	98	59	25	90	22	41	03	96	33	89	33	58	78	01	32	36	92	82
12	50	08	09	64	33	54	62	98	24	41	72	97	33	34	11	73	67	33	79	95	62	31	23	87
16	95	18	38	50	33	78	48	00	83	01	43	77	97	26	74	84	53	05	49	29	75	77	02	32
76	23	56	61	20	15	68	82	18	28	35	82	40	18	40	31	78	53	98	45	21	87	21	31	95
74	26	53	14	97	14	09	11	22	65	74	81	52	44	80	03	86	84	78	02	55	45	90	71	49
93	69	54	96	15	66	92	23	22	51	38	42	26	71	37	01	70	87	82	47	97	83	49	24	10
85	99	75	39	81	83	56	56	87	09	32	47	40	14	72	95	74	21	08	69	47	94	65	84	88
86	43	28	23	92	54	05	55	03	89	12	57	75	16	83	36	93	99	23	59	67	24	69	74	30
22	91	19	64	96	84	66	44	09	48	80	12	65	25	43	76	36	68	27	47	52	35	61	03	33
65	82	01	56	34	08	22	38	56	21	68	55	13	18	97	45	90	91	27	25	92	06	69	84	31
51	41	63	38	07	27	96	11	21	06	24	45	33	45	37	44	40	67	80	81	39	80	77	98	43
97	80	96	04	25	30	36	44	40	25	84	23	42	79	14	41	11	64	23	14	38	29	48	18	65
89	63	32	14	59	33	78	24	52	88	02	79	97	35	74	67	96	31	61	18	00	44	59	88	88
54	14	28	53	79	48	05	74	00	98	15	74	72	91	47	45	90	66	55	38	99	60	85	09	01
77	14	06	84	47	46	88	91	03	36	75	64	77	72	11	96	46	87	33	07	29	48	37	86	66
67	33	09	75	00	76	85	28	80	71	36	29	40	32	52	52	72	89	43	05	89	50	25	84	26
75	48	93	50	88	27	76	21	90	66	48	55	88	37	76	57	00	14	83	60	67	20	35	37	18
75	86	22	20	23	27	17	67	16	38	16	33	28	72	13	47	84	57	36	12	75	86	75	23	51
40	41	19	44	32	22	13	31	25	77	28	93	89	37	04	52	71	49	87	72	32	30	69	94	36
70	94	88	25	57	99	94	82	56	91	38	22	09	52	01	84	00	60	04	91	53	10	10	51	94
42	06	41	49	47	44	71	23	61	25	64	16	16	04	48	20	65	84	89	71	43	89	73	79	80
90	55	23	36	61	93	34	69	43	83	38	03	93	00	03	13	04	77	54	90	61	26	88	01	26
22	71	21	14	59	41	29	51	06	96	62	92	63	96	16	62	48	56	86	21	16	58	33	07	41
65	63	59	60	55	36	77	10	63	48	11	60	55	27	52	73	11	95	03	79	46	12	07	26	52
74	20	65	77	78	83	37	34	09	07	47	57	86	13	47	91	17	32	50	29	72	25	87	96	71
12	16	90	59	89	14	66	72	99	45	88	86	45	48	35	26	30	34	73	46	78	29	91	46	44
52	14	41	65	84	73	55	53	00	76	43	83	09	28	13	82	07	62	72	74	60	34	43	69	26
19	87	80	56	89	83	28	45	99	87	37	02	53	39	74	08	91	23	30	13	59	59	10	57	10
29	13	62	89	16	81	78	54	60	92	31	01	04	83	60	16	42	66	81	37	42	39	74	64	40
37	30	72	00	39	53	83	30	75	48	44	30	38	98	76	94	55	60	35	12	22	82	36	18	48
66	17	13	28	82	64	10	76	67	69	53	39	05	71	22	35	13	39	97	27	48	26	94	74	53
86	41	73	49	70	03	41	05	77	28	37	71	01	30	86	36	42	65	97	78	09	34	36	56	01
56	52	43	82	45	20	20	45	49	83	52	73	63	70	47	89	93	77	32	26	73	70	50	75	10
17	89	69	72	84	80	48	78	32	51	66	12	29	79	90	25	11	33	37	44	25	47	18	40	74
11	29	91	99	26	43	90	15	09	64	20	54	89	91	59	01	93	40	33	04	46	91	86	33	90
96	68	63	61	19	29	71	05	42	14	05	84	10	36	27	60	49	40	84	92	29	23	10	45	05
29	12	44	07	75	41	74	25	36	05	49	36	50	27	64	37	51	92	47	32	05	02	21	20	71
79	00	54	24	24	32	03	96	86	98	90	65	41	87	39	29	39	75	07	20	14	94	28	87	23

Random Sampling Method:

An X-Y grid was set up across each excavation area with a 300' tape measure. The random number table above (Table IV-1: Random Number Table, PA Act 2 Land Recycling Technical Guidance Manual, Sect. IV, Page IV-48) was used to acquire two-digit numbers that corresponded to grid points within each excavation area. Starting points on the random number table were selected by blindly pointing a finger to a number on the table. The selection of numbers proceeded from this number, down the column, then to the top of the next column if necessary, until the required number of sampling points (as defined by the two-digit coordinates that fell within the excavation footprint) was acquired for a given excavation.

- Trestle Area (2/26/09)
- B & C Fasteners Western (2/27/09)
- Trestle Area (3/17/09)
- York Rail (3/2/09)
- B & C Fasteners East (3/6/09)
- Weaver's Auto (Excavation 1) (3/9/09)
- Weaver's Auto (Excavation 2) (3/9/09)
- Keystone Color Works (3/10/09)
- B&C Fasteners North (3/3/09)

Figure 9

Random Number Table Starting Points

York Northwest Triangle
Stage 1 Properties

May 2009

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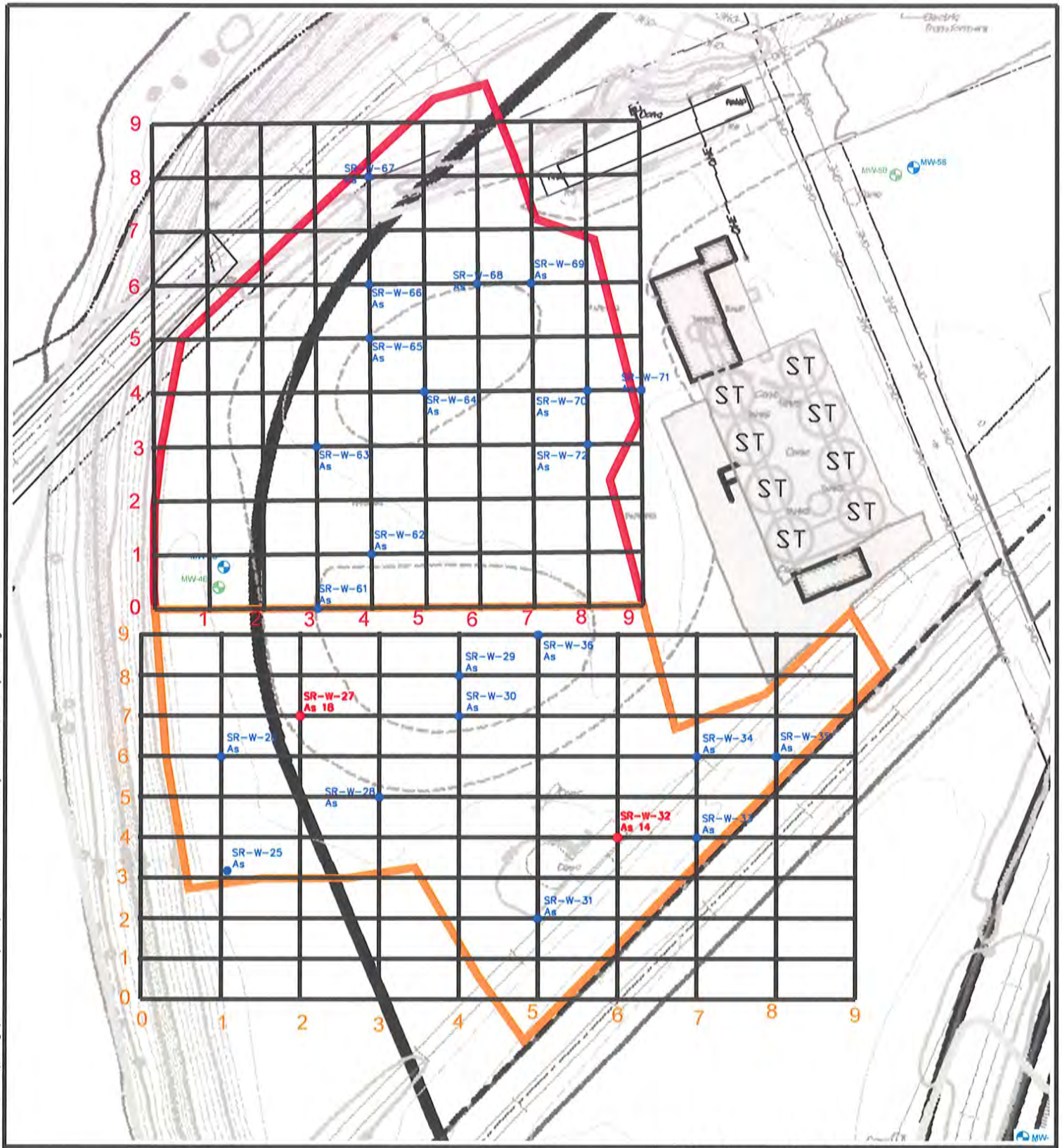

Base map from C.S. DAVIDSON, INC.

LEGEND

- MW-3S — Shallow Monitoring Well
- MW-3B — Bedrock Monitoring Well
- SR-W-31 As — Systematic Random Sample Location Below Residential MSC
- SR-W-3 (20")As 93 — Systematic Random Sample Location Exceeding Residential MSC
- Systematic Random Sampling Excavation Area Boundary
- Systematic Random Sampling Grid

0 50 100 150

SCALE IN FEET

N

Systematic Random Sampling Northwest Corner of Site

Ohio Blenders
Northwest Triangle Initiative
City of York, PA

05/13/2011	Scale: 1" = 50'	07214

ARM Group Inc.
Earth Resource Engineers and Consultants
1129 West Governor Road • Hershey, PA 17033-0797

Figure 10

T:\07214 NWT Act 2 Project\STAGE2_OHIO_BLENDERS_Dwg\Phase II Report\5-11 Delineation Samples & SR Samples.dwg

Base map from C.S. DAVIDSON, INC.

LEGEND

- MW-3S — Shallow Monitoring Well
- MW-3B — Bedrock Monitoring Well
- SR-W-31 As — Systematic Random Sample Location Below Residential MSC
- SR-W-3 (20")As 93 — Systematic Random Sample Location Exceeding Residential MSC
- Systematic Random Sampling Excavation Area Boundary
- Systematic Random Sampling Grid

0 50 100 150

SCALE IN FEET

N

Systematic Random Sampling Northeast Corner of Site

Ohio Blenders
Northwest Triangle Initiative
City of York, PA

05/07/2011	Scale: 1" = 50'	07214

ARM Group Inc.

Earth Resource Engineers and Consultants
1129 West Governor Road • Hershey, PA 17033-0797

Figure 11

T:\07214 NWT Act 2 Project\STAGE2_OHIO_BLENDERS_Dwg\Phase II Report\5-11 Delineation Samples & SR Samples.dwg

Table IV-1. Random Number Table

67	35	39	82	14	21	81	21	96	81	65	41	49	04	80	38	34	13	03	15	96	42	55	62	54
43	25	59	81	92	29	54	98	87	58	77	38	02	09	27	06	83	23	00	90	63	39	04	52	72
93	16	47	22	58	33	01	43	61	70	10	55	75	64	68	40	17	24	98	10	53	93	00	31	43
76	77	01	14	64	62	38	18	48	04	77	42	32	38	34	34	34	91	42	14	98	51	98	29	05
69	46	32	94	85	32	27	87	78	37	73	39	25	48	92	91	57	68	52	55	11	08	99	13	55
79	92	47	00	30	13	95	52	30	16	41	45	60	80	42	90	05	38	89	84	04	33	13	21	72
84	35	41	19	11	63	65	09	06	44	43	71	87	58	78	95	27	91	41	54	10	42	38	55	83
18	57	74	64	75	42	79	88	46	32	90	31	29	09	90	07	59	89	22	74	50	05	90	43	37
14	18	29	77	76	54	35	67	41	92	09	28	91	97	68	05	60	09	22	47	04	96	99	06	24
49	02	18	20	81	94	15	81	23	52	28	84	83	75	19	13	55	96	13	70	49	79	66	85	27
49	44	95	16	39	39	13	83	99	97	38	48	63	01	40	03	95	68	71	39	36	99	24	29	55
62	07	74	32	26	41	64	83	37	57	55	37	51	98	24	99	16	02	88	85	13	65	61	81	59
75	35	06	72	07	45	22	98	59	25	90	22	41	03	96	33	89	33	58	78	01	32	36	92	82
12	50	08	09	64	33	54	62	98	24	41	72	97	33	34	11	73	67	33	79	95	62	31	23	87
16	95	18	38	50	33	78	48	00	83	01	43	77	97	26	74	84	53	05	49	29	75	77	02	32
76	23	56	61	20	15	68	82	18	28	35	82	40	18	40	31	78	53	98	45	21	87	21	31	95
74	26	53	14	97	14	09	11	22	65	74	81	52	44	80	03	86	84	78	02	55	45	90	71	49
93	69	54	96	15	66	92	23	22	51	38	42	26	71	37	01	70	87	82	47	97	83	49	24	10
85	99	75	39	81	83	56	56	87	09	32	47	40	14	72	95	74	21	08	69	47	94	65	84	88
86	43	28	23	92	54	05	55	03	89	12	57	75	16	83	36	93	99	23	59	67	24	69	74	30
22	91	19	64	96	84	66	44	09	48	80	12	65	25	43	76	36	68	27	47	52	35	61	03	33
65	82	01	56	34	08	22	38	56	21	68	55	13	18	97	45	90	91	27	25	92	06	69	84	31
51	41	63	38	07	27	96	11	21	06	24	45	33	45	37	44	40	67	80	81	39	80	77	98	43
97	80	96	04	25	30	36	44	40	25	84	23	42	79	14	41	11	64	23	14	38	29	48	18	65
89	63	32	14	59	33	78	24	52	88	02	79	97	35	74	67	96	31	61	18	00	44	59	88	88
54	14	28	53	79	48	05	74	00	98	15	74	72	91	47	45	90	66	55	38	99	60	85	09	01
77	14	06	84	47	46	88	91	03	36	75	64	77	72	11	96	46	87	33	07	29	48	37	86	66
67	33	09	75	00	76	85	28	80	71	36	29	40	32	52	52	72	89	43	05	89	50	25	84	26
75	48	93	50	88	27	76	21	90	66	48	55	88	37	76	57	00	14	83	60	67	20	35	37	18
75	86	22	20	23	27	17	67	16	38	16	33	28	72	13	47	84	57	36	12	75	86	75	23	51
40	41	19	44	32	22	13	31	25	77	28	93	89	37	04	52	71	49	87	72	32	30	69	94	36
70	94	88	25	57	99	94	82	56	91	38	22	09	52	01	84	00	60	04	91	53	10	10	51	94
42	06	41	49	47	44	71	23	61	25	64	16	16	04	48	20	65	84	89	71	43	89	73	79	80
90	55	23	36	61	93	34	69	43	83	38	03	93	00	03	13	04	77	54	90	61	26	88	01	26
22	71	21	14	59	41	29	51	06	96	62	92	63	96	16	62	48	56	86	21	16	58	33	07	41
65	63	59	60	55	36	77	10	63	48	11	60	55	27	52	73	11	95	03	79	46	12	07	26	52
74	20	65	77	78	83	37	34	09	07	47	57	86	13	47	91	17	32	50	29	72	25	87	96	71
12	16	90	59	89	14	66	72	99	45	88	86	45	48	35	26	30	34	73	46	78	29	91	46	44
52	14	41	65	84	73	55	53	00	76	43	83	09	28	13	82	07	62	72	74	60	34	43	69	26
19	87	80	56	89	83	28	45	99	87	37	02	53	39	74	08	91	23	30	13	59	59	10	57	10
29	13	62	89	16	81	78	54	60	92	31	01	04	83	60	16	42	66	81	37	42	39	74	64	40
37	30	72	00	39	53	83	30	75	48	44	30	38	98	76	94	55	60	35	12	22	82	36	18	48
66	17	13	28	82	64	10	76	67	69	53	39	05	71	22	35	13	39	97	27	48	26	94	74	53
86	41	73	49	70	03	41	05	77	28	37	71	01	30	86	36	42	65	97	78	09	34	36	56	01
56	52	43	82	45	20	20	45	49	83	52	73	63	70	47	89	93	77	32	26	73	70	50	75	10
17	89	69	72	84	80	48	78	32	51	66	12	29	79	90	25	11	33	37	44	25	47	18	40	74
11	29	91	99	26	43	90	15	09	64	20	54	89	91	59	01	93	40	33	04	46	91	86	33	90
96	68	63	61	19	29	71	05	42	14	05	84	10	36	27	60	49	40	84	92	29	23	10	45	05
29	12	44	07	75	41	74	25	36	05	49	36	50	27	64	37	51	92	47	32	05	02	21	20	71
79	00	54	24	24	32	03	96	86	98	90	65	41	87	39	29	39	75	07	20	14	94	28	87	23

Random Sampling Method:

An X-Y grid was set up across each excavation area with a 300' tape measure. The random number table above (Table IV-1: Random Number Table, PA Act 2 Land Recycling Technical Guidance Manual, Sect. IV, Page IV-48) was used to acquire two-digit numbers that corresponded to grid points within each excavation area. Starting points on the random number table were selected by blindly pointing a finger to a number on the table. The selection of numbers proceeded from this number, down the column, then to the top of the next column if necessary, until the required number of sampling points (as defined by the two-digit coordinates that fell within the excavation footprint) was acquired for a given excavation.

Figure 12

- Ohio Blenders NW Grid (5/13/11)
- Ohio Blenders SW Grid (5/3/11)
- Ohio Blenders NE Grid (5/4/11)

Random Number Table Starting Points

York Northwest Triangle
Ohio Blenders Property

May 2011

07214

ARM Group Inc.
Earth Resource Engineers and Consultants
1129 West Governor Road • Hershey, PA 17033-0797

APPENDIX I

Site Photographs

York Rail Property

1. Before Excavation.

2. Collecting Soil Delineation Samples.

3. Excavating Soils.

4. Backfilling Excavation.

5. Backfilling Excavation.

6. Excavation Backfilled.

Keystone Color Works

1. Area of Concern.

2. Installing MW-1S.

3. MW-1S Complete.

4. Excavated Area.

5. Excavated Area.

6. Excavation Backfilled.

Weaver’s Auto Body

1. Front of Garage.

2. Rear of Garage.

3. Installing MW-2S.

4. MW-2S completed.

Weaver’s Auto Body UST Removal

1. Uncovering UST.

2. Sand in UST.

3. Removing Sand from UST.

4. Loading Sand For Landfill.

Weaver’s Auto Body UST Removal

5. Removing UST.

6. Removing UST.

7. Backfilling Excavation.

8. Excavation Backfilled.

B&C Fasteners UST Removal

1. Before UST Removal

2. Removal of Sidewalk

3. Removal of UST 1

4. Removal of UST 2

5. Backfilled Excavation

6. Restored Sidewalk

B&C Fasteners Soils Excavation

1. Before Building Demolition

2. Prior to Excavating Soils

3. Excavating Soils

4. Site Backfilled

B&C Fasteners Additional UST Removal

1. Removing First UST.

2. First UST Removed.

3. Removing Second UST.

4. UST Excavation Backfilled.

York Rail – Trestle Area

1. Site Before Demolition.

2. Site Following Demolition.

3. Soil Delineation Sampling.

4. Excavating North Side of Trestle Area.

York Rail – Trestle Area

5. Excavating South Side of Trestle Area.

6. Backfilling Trestle Area.

7. Backfilling Trestle Area.

8. Trestle Area Backfilled.

Ohio Blenders

1. Site Before Silo Demolition.

2. Soil Sampling with Geoprobe.

3. Demolition of Silos.

4. Backfilling Silo Area.

5. Installing Nested Monitoring Wells.

6. Excavating and Removing Site Soils.

7. Excavated Areas.

8. Backfilling Excavated Areas.

APPENDIX J

Summary of Soil Export/Import

Horizon Environmental Services, Inc.

York Northwest Triangle Remediation Project Soils to Clean Earth facility in Hagerstown, MD for Recycling

Manifest Sequence Number	Manifest Number	Date of Delivery to Clean Earth	Truck Number	Property	Weight in Tons
1	228224	03/16/09	CGH-762A	TS	25.60
2	228225	03/16/09	CGH-726	TS	23.13
3	228226	03/16/09	RAH1414	TS	26.22
4	228227	03/16/09	RAH1616	TS	24.04
5	228228	03/17/09	CGH-762A	TS	24.02
6	228229	03/17/09	CGH-726	TS	22.97
7	228230	03/17/09	RAH1414	TS	26.93
8	228231	03/17/09	RAH1616	TS	26.78
9	228232	03/17/09	RAH1414	TS	29.24
10	228233	03/17/09	RAH-1616	TS	28.21
11	228234	03/18/09	RAH1616	TS	26.88
12	228236	03/18/09	RAH1414	TS	30.49
13	231132	02/24/09	KROFT-720	TN	17.50
14	231133	02/24/09	CGH-762A	TN	19.24
15	231134	02/24/09	CGH-726	TN	20.60
16	231135	02/24/09	JUSTICETA5	TN	19.69
17	231136	02/24/09	JUSTICETA6	TN	18.06
18	231137	02/24/09	JUSTICETA4	TN	16.91
19	231138	02/24/09	RAH1414	TN	26.11
20	231139	02/24/09	RAH1616	TN	26.08
21	231140	02/24/09	KROFT-720	TN	25.85
22	231141	02/24/09	CGH-762A	TN	22.18
23	231142	02/24/09	CGH-726	TN	22.89
24	231145	02/24/09	JUSTICETA7	TN	19.73
25	231146	02/24/09	JUSTICETA9	TN	22.07
26	231147	02/24/09	WISHBONE2	TN	23.66
27	231148	02/24/09	HARTLB-117	TN	20.89
28	231149	02/24/09	WISHBONE-1	TN	22.23
29	231150	02/24/09	JUST-TA10	TN	18.37
30	231151	02/24/09	JUSTICETA8	TN	21.39
31	231152	02/25/09	HARTLB-117	TN	24.98
32	231153	02/24/09	JUSTICETA9	TN	24.73
33	231154	02/24/09	JUSTICETA4	TN	19.05
34	231155	02/25/09	WISHBONE-1	TN	21.30
35	231156	02/25/09	JUST-TA10	TN	23.21
36	231157	02/25/09	JUSTICETA7	TN	23.84
37	231158	02/25/09	JUSTICETA6	TN	23.34
38	231159	02/25/09	JUSTICETA8	TN	27.03
39	231160	02/25/09	JUSTICETA5	TN	21.83
40	231161	02/25/09	RAH1414	TN	32.07
41	231162	02/25/09	WISHBONE2	TN	28.79
42	231163	02/25/09	KROFT-720	TN	22.91
43	231164	02/25/09	RAH1616	TN	31.81
44	231165	02/25/09	CGH-762A	TN	24.67
45	231166	02/25/09	CGH-726	TN	21.28
46	231167	02/25/09	RAH1616	TN	27.97
47	231168	02/25/09	RAH1414	TN	28.04
48	231169	02/25/09	HARTLB-117	TN	24.73

* TN = Trestle Area North
BC = B&C Fasteners
YR = York Rail Property
KC = Keystone Color Works
WA = Weavers Auto Body
TS = Trestle Area South

Horizon Environmental Services, Inc.

York Northwest Triangle Remediation Project Soils to Clean Earth facility in Hagerstown, MD for Recycling

Manifest Sequence Number	Manifest Number	Date of Delivery to Clean Earth	Truck Number	Property	Weight in Tons
49	231170	02/25/09	WISHBONE-2	TN	25.86
50	231171	02/25/09	WISHBONE-1	TN	28.00
51	231172	02/25/09	CGH-726	TN	22.84
52	231173	02/25/09	CGH-762A	TN	24.80
53	231174	02/25/09	KROFT-720	TN	22.38
54	231175	02/25/09	RAH1616	TN	20.27
55	231176	02/25/09	RAH1414	TN	28.89
56	231177	02/26/09	WISHBONE-2	TN	28.49
57	231178	02/26/09	HARTLB-117	TN	26.72
58	231179	02/26/09	WISHBONE-1	TN	29.70
59	231180	02/26/09	JUSTICETA9	TN	21.37
60	231181	02/26/09	JUSTICETA8	TN	26.85
61	231182	02/26/09	JUSTICETA7	TN	18.76
62	231183	02/26/09	JUST-TA10	TN	21.99
63	231184	02/26/09	CGH-762A	TN	31.00
64	231185	02/26/09	CGH-726	TN	26.47
65	231186	02/26/09	KROFT-720	TN	29.26
66	231187	02/26/09	RAH1414	TN	29.90
67	231188	02/26/09	RAH1616	TN	26.24
68	231189	02/26/09	CGH-762A	TN	27.82
69	231190	02/26/09	CGH-726	TN	23.80
70	231191	02/26/09	JUSTICETA9	TN	26.26
71	231192	02/26/09	JUSTICETA8	TN	28.87
72	231193	02/26/09	JUST-TA10	BC	25.61
73	231194	02/26/09	JUSTICETA7	BC	21.55
74	231195	02/26/09	HARTLB-117	BC	25.06
75	231196	02/26/09	WISHBONE-1	BC	25.83
76	231197	02/26/09	KROFT-720	BC	23.09
77	231198	02/26/09	WISHBONE-2	BC	24.26
78	231199	02/26/09	RAH1414	BC	29.80
79	231200	02/26/09	RAH1616	BC	27.53
80	231201	02/26/09	CGH-726	BC	24.45
81	231202	02/26/09	CGH-762A	BC	25.62
82	231203	02/26/09	JUSTICETA9	BC	22.04
83	231204	02/26/09	JUSTICETA8	BC	23.95
84	231205	02/27/09	JUST-TA10	BC	25.67
85	231206	02/27/09	JUSTICETA7	BC	18.26
86	231207	02/27/09	HARTLB-117	BC	27.31
87	231208	02/27/09	WISHBONE-1	BC	27.69
88	231209	02/27/09	KROFT-720	BC	23.53
89	231210	02/27/09	RAH1616	BC	28.37
90	231211	02/27/09	RAH1414	BC	29.19
91	231212	02/27/09	WISHBONE-2	BC	28.07
92	231213	02/27/09	CGH-762A	BC	27.43
93	231214	02/27/09	JUSTICETA9	BC	25.98
94	231215	02/27/09	JUSTICETA8	BC	26.05
95	231216	02/27/09	RAH1414	BC	31.28
96	231217	02/27/09	RAH1616	BC	25.81

* TN = Trestle Area North
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KC = Keystone Color Works
WA = Weavers Auto Body
TS = Trestle Area South

Horizon Environmental Services, Inc.

York Northwest Triangle Remediation Project Soils to Clean Earth facility in Hagerstown, MD for Recycling

Manifest Sequence Number	Manifest Number	Date of Delivery to Clean Earth	Truck Number	Property	Weight in Tons
97	231218	02/27/09	HARTLB-117	BC	25.79
98	231219	02/27/09	KROFT-720	BC	23.95
99	231220	02/27/09	JUSTICETA7	BC	21.05
100	231221	02/27/09	JUST-TA10	BC	25.95
101	231222	03/02/09	WISHBONE-2	YR	28.31
102	231223	02/27/09	WISHBONE-1	BC	27.22
103	231224	02/27/09	JUSTICETA9	BC	25.17
104	231225	02/27/09	CGH-762A	BC	26.87
105	231226	02/27/09	JUSTICETA8	BC	27.11
106	231227	03/02/09	JUSTICETA8	YR	29.35
107	231228	03/02/09	JUSTICETA9	YR	26.20
108	231229	03/02/09	JUST-TA10	YR	28.32
109	231230	03/02/09	JUSTICETA4	YR	24.94
110	231231	03/02/09	WISHBONE-1	YR	24.57
111	231232	03/03/09	HARTLB-117	YR	22.45
112	231233	03/03/09	CGH-726	YR	22.36
113	231234	03/03/09	CGH-762A	YR	25.31
114	231235	03/03/09	RAH1414	YR	28.01
115	231236	03/02/09	CGH-762A	YR	25.63
116	231237	03/03/09	WISHBONE-2	YR	24.30
117	231238	03/03/09	WISHBONE-1	YR	25.17
118	231239	03/03/09	KROFT-720	YR	25.85
119	231240	03/03/09	RUDISILL15	YR	24.86
120	231241	03/03/09	RAH1616	YR	25.90
121	231242	03/05/09	CGH-762A	BC	28.42
122	231243	03/05/09	WISHBONE-1	BC	25.85
123	231244	03/05/09	KROFT-720	BC	26.80
124	231245	03/05/09	HARTLB-117	BC	22.77
125	231246	03/05/09	CGH-762A	BC	27.17
126	231247	03/02/09	HARTLB-117	YR	21.35
127	231248	03/02/09	KROFT-720	YR	24.99
128	231249	03/02/09	CGH-726	YR	24.65
129	231250	03/05/09	RAH1414	BC	29.50
130	231251	03/05/09	KROFT-720	BC	24.07
131	231252	03/05/09	RUDIS-134	KC	22.96
132	231254	03/05/09	RUDIS-152	KC	23.62
133	231255	03/05/09	RAH1616	KC	25.99
134	231256	03/04/09	RAH1414	YR	33.11
135	231257	03/04/09	WISHBONE-2	YR	23.04
136	231258	03/04/09	WISHBONE-1	YR	24.54
137	231259	03/04/09	RUDIS-1	YR	23.00
138	231260	03/05/09	HARTLB-117	KC	26.24
139	231261	03/04/09	RAH1616	YR	25.97
140	231342	03/04/09	RUDIS-161	YR	35.65
141	231343	03/04/09	RUDIS-134	YR	22.38
142	231344	03/04/09	CGH-762A	YR	27.72
143	231345	03/04/09	CGH-726	YR	23.49
144	231346	03/04/09	KROFT-720	YR	23.83

* TN = Trestle Area North
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Horizon Environmental Services, Inc.

York Northwest Triangle Remediation Project Soils to Clean Earth facility in Hagerstown, MD for Recycling

Manifest Sequence Number	Manifest Number	Date of Delivery to Clean Earth	Truck Number	Property	Weight in Tons
145	231347	03/04/09	RUDIS-152	YR	21.76
146	231348	03/04/09	HARTLB-117	YR	24.62
147	231349	03/03/09	CGH-762A	YR	28.35
148	231350	03/03/09	HARTLB-117	YR	26.62
149	231351	03/03/09	CGH-726	YR	26.70
150	231352	03/03/09	KROFT-720	YR	24.82
151	231353	03/03/09	RAH1414	YR	29.81
152	231354	03/03/09	WISHBONE-1	YR	26.14
153	231355	03/04/09	RUDIS-152	YR	23.91
154	231356	03/04/09	RUDIS-134	YR	26.25
155	231357	03/03/09	WISHBONE-2	YR	23.25
156	231358	03/04/09	CGH-726	YR	22.43
157	231359	03/04/09	CGH-762A	YR	28.19
158	231360	03/04/09	HARTLB-117	YR	26.24
159	231361	03/04/09	WISHBONE-2	YR	24.96
160	231362	03/04/09	WISHBONE-1	YR	24.69
161	231363	03/04/09	RAH1414	BC	28.57
162	231364	03/04/09	KROFT-720	BC	26.08
163	231365	03/04/09	RAH1616	BC	25.53
164	231371	03/05/09	WISHBONE-1	WA	30.98
165	231372	03/06/09	KROFT-720	WA	27.22
166	231373	03/06/09	KROFT-720	WA	29.38
167	231374	03/06/09	HARTLB-117	WA	28.47
168	231375	03/09/09	HARTLB-117	BC	24.48
169	231376	03/09/09	HARTLB-117	BC	30.90
170	231377	03/10/09	CGH-726	KC	23.00
171	231378	03/10/09	CGH-762A	KC	28.31
172	231379	03/16/09	CGH-762A	TS	20.30
173	231380	03/16/09	CGH-726	TS	21.94
174	231381	03/16/09	RAH1616	TS	25.64
175	231382	03/16/09	RAH1414	TS	25.81
Total Tons					4,426.61

* TN = Trestle Area North
BC = B&C Fasteners
YR = York Rail Property
KC = Keystone Color Works
WA = Weavers Auto Body
TS = Trestle Area South

3

Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: (301) 791-6220 Fax: (301) 791-6044

Ticket: 312000018404

	Date	Time	Scale
In:	3/16/2009	14:54:40	Scale 1
Out:	3/16/2009	14:55:08	P.T.

	Lbs	Tns
Gross:	75660	37.83
Tare:	23220	11.61
Net:	52440	26.22

Manifest: 228226
Vehicle ID: RAH1414
Vehicle Permit:
Customer: HORIZON ENV SERVICES
Generator EPA#:
Generator: York Redevelopment Author
Gen Address: 49 East Market St.
York, PA 17401

Facility Approval#: 093120065
Job Name: NW Triangle
Job Address: 151 W. Gay Ave.
York, PA 17401

Origin	Materials & Services	Quantity	Unit
York	Soil Treatment Type III	26.22	Tns

Contaminate Type: Not Applicable
Treatment Type: Not Applicable
Fac Waste Code: Not Applicable

Storage Area: Staging 8
Sample ID: 77855
Comment:

Driver: DANA HUFF

Facility: Thomas, Donna

CLEANEARTH
treating the planet right

Manifest # 228226
163

AL JOB NUMBER: 108630 FACILITY APPROVAL NUMBER: 093120065

e Check One:

ean Earth of Carteret
4 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☒ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Other

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of West Virginia
3815 South State Route 2
Friendly, WV 26146
Ph: 304-652-8580

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: YORK REDEVELOPMENT AUTHORITY 49 EAST MARKET STREET YORK, PA 17401 STEVE FULTON	GROSS WEIGHT: ☐Tons ☐Yards	
	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 717-849-2290	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

NW TRIANGLE
151 W. GAY AVENUE
YORK, PA 17401 BRIAN SPANGLER 724-538-8522

NON-HAZ
CONTAMINATED
SOIL

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Dan Butebaugh Title: Project Geologist
Signature: [signature] for RDA Date and Time: 3/16/09 1249

TRANSPORTER

Company: RAH Trucking LLC Phone Number: 717 465-1734 #1414
Address: 1661 Boggs Town Rd Truck # and License Plate: 173/ED 50
Driver: Dana Hyde SW Haulers Permit #:
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 3-16-09

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 3-16-09

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 3-16-09

TRANSPORTER

Product	BOL #	Tons per load	Number of Loads on ticket	Total Tons on Ticket
General Fill Dirt	55097	22.90	3	68.69
General Fill Dirt	55105	22.90	34	778.43
General Fill Dirt	55109	22.90	10	228.95
General Fill Dirt	55119	22.90	51	1167.65
General Fill Dirt	55132	22.90	61	1396.60
General Fill Dirt	55134	22.90	22	503.69
General Fill Dirt	55138	22.90	10	228.95
General Fill Dirt	774351	22.43	39	874.66
General Fill Dirt	774352	22.43	81	1816.60
General Fill Dirt	774353	22.43	33	740.10
General Fill Dirt	774354	22.90	3	68.69
Total Tons General Fill				7872.98

Weight Ticket	Tons
80806	19.37
80818	23.63
80830	17.55
80696	28.36
80711	24.89
80847	19.84
80868	23.35

Blue Hill Average Weight
22.43 Tons

2A Stone	538392	23.63	1	23.63
2A Stone	538502	23.69	1	23.69
2A Stone	538587	24.09	1	24.09
2A Stone	538607	23.54	1	23.54
2A Stone	538622	23.03	1	23.03
2A Stone	538637	23.67	1	23.67
2A Stone	538649	23.36	1	23.36
2A Stone	538665	24.09	1	24.09
2A Stone	538684	24.2	1	24.2
2A Stone	538693	23.5	1	23.5
2A Stone	538706	23.9	1	23.9
2A Stone	538716	23.74	1	23.74
2A Stone	538724	23.31	1	23.31
2A Stone	538731	23.79	1	23.79
2A Stone	538604	23.74	1	23.74
2A Stone	538588	23.48	1	23.48
2A Stone	538619	23.01	1	23.01
2A Stone	538631	22.94	1	22.94
2A Stone	538646	24.03	1	24.03
2A Stone	538657	23.91	1	23.91
2A Stone	538669	23.59	1	23.59
2A Stone	538685	23.71	1	23.71
2A Stone	538699	23.75	1	23.75
2A Stone	538707	24.24	1	24.24
2A Stone	538718	23.86	1	23.86
2A Stone	538725	23.67	1	23.67
2A Stone	538732	23.56	1	23.56
2A Stone	538739	24.13	1	24.13
2A Stone	538744	24.3	1	24.3
2A Stone	538748	23.57	1	23.57
2A Stone	538752	24.03	1	24.03
2A Stone	538720	24.58	1	24.58
2A Stone	538750	24.36	1	24.36
2A Stone	538753	23.96	1	23.96

From Dan

41960	20.98
45840	22.92
50840	25.42
44520	22.26
45790	22.90

KBS Average Weight
22.90 Tons

Backfill Credit Trestle Area
1100 Yards owed
733.33 Tons owed
$ 5,646.67 Total Credit

x 1.6

Product	BOL #	Tons per load	Number of Loads on ticket	Total Tons on Ticket
2A Stone	538740	23.88	1	23.88
2A Stone	538735	24.11	1	24.11
2A Stone	538726	23.72	1	23.72
2A Stone	538746	24.23	1	24.23
2A Stone	538998	24.34	1	24.34
2A Stone	538988	23.39	1	23.39
2A Stone	538982	24	1	24
2A Stone	538975	23.75	1	23.75
2A Stone	538964	24.34	1	24.34
2A Stone	538790	23.8	1	23.8
2A Stone	538796	23.69	1	23.69
2A Stone	538802	23.53	1	23.53
2A Stone	538813	23.85	1	23.85
2A Stone	538820	23.49	1	23.49
2A Stone	538849	23.93	1	23.93
2A Stone	538856	24.23	1	24.23
2A Stone	538866	24.23	1	24.23
2A Stone	538893	23.86	1	23.86
2A Stone	538886	24.47	1	24.47
2A Stone	538876	24.56	1	24.56
2A Stone	538822	23.03	1	23.03
2A Stone	538828	23.47	1	23.47
2A Stone	538835	24.15	1	24.15
2A Stone	538816	23.02	1	23.02
2A Stone	538832	23.65	1	23.65
2A Stone	539048	24.54	1	24.54
2A Stone	539045	24.09	1	24.09
2A Stone	539038	24.51	1	24.51
2A Stone	539032	24.58	1	24.58
2A Stone	539022	24.18	1	24.18
2A Stone	539016	24.25	1	24.25
2A Stone	539005	24.83	1	24.83
2A Stone	538946	22.09	1	22.09
2A Stone	538932	21.42	1	21.42
2A Stone	538921	21.97	1	21.97
2A Stone	538951	21.74	1	21.74
2A Stone	538957	21.56	1	21.56
2A Stone	538966	21.35	1	21.35
2A Stone	538972	21.09	1	21.09
2A Stone	538979	22.60	1	22.6
2A Stone	538987	21.85	1	21.85
2A Stone	538993	21.72	1	21.72
2A Stone	539003	21.84	1	21.84
2A Stone	539011	22.51	1	22.51
2A Stone	539020	22.64	1	22.64
2A Stone	539027	22.67	1	22.67
2A Stone	539036	22.14	1	22.14
2A Stone	539042	22.33	1	22.33
2A Stone	539046	22.08	1	22.08

Product	BOL #	Tons per load	Number of Loads on ticket	Total Tons on Ticket
2A Stone	539040	23.66	1	23.66
2A Stone	539034	24.37	1	24.37
2A Stone	539026	24.17	1	24.17
2A Stone	539018	24.21	1	24.21
2A Stone	539009	24.16	1	24.16
2A Stone	538999	24.64	1	24.64
2A Stone	538989	23.92	1	23.92
2A Stone	538983	23.70	1	23.7
2A Stone	538977	24.07	1	24.07
2A Stone	538970	23.34	1	23.34
2A Stone	538962	23.88	1	23.88
2A Stone	538954	23.91	1	23.91
2A Stone	538949	24.31	1	24.31
2A Stone	538943	24.44	1	24.44
2A Stone	538930	22.83	1	22.83
2A Stone	538920	24.22	1	24.22
2A Stone	538922	21.72	1	21.72
2A Stone	538935	21.63	1	21.63
2A Stone	538945	21.40	1	21.4
2A Stone	538950	21.64	1	21.64
2A Stone	538955	21.15	1	21.15
2A Stone	538963	21.05	1	21.05
2A Stone	538971	22.42	1	22.42
2A Stone	538978	21.93	1	21.93
2A Stone	538984	22.15	1	22.15
2A Stone	538990	21.67	1	21.67
2A Stone	539000	22.31	1	22.31
2A Stone	539010	21.84	1	21.84
2A Stone	539019	21.77	1	21.77
2A Stone	539029	22.55	1	22.55
2A Stone	539037	21.81	1	21.81
2A Stone	539044	22.32	1	22.32
2A Stone	538791	22.02	1	22.02
2A Stone	538799	21.89	1	21.89
2A Stone	538808	21.63	1	21.63
2A Stone	538819	21.25	1	21.25
2A Stone	538825	22.42	1	22.42
2A Stone	538831	22.45	1	22.45
2A Stone	538838	21.64	1	21.64
2A Stone	538848	20.88	1	20.88
2A Stone	538855	21.47	1	21.47
2A Stone	538864	21.69	1	21.69
2A Stone	538875	22.11	1	22.11
2A Stone	538885	22.50	1	22.5
2A Stone	538895	22.01	1	22.01
2A Stone	538892	23.62	1	23.62
2A Stone	538883	23.55	1	23.55
2A Stone	538874	23.89	1	23.89
2A Stone	538863	23.48	1	23.48

Product	BOL #	Tons per load	Number of Loads on ticket	Total Tons on Ticket
2A Stone	538854	24.17	1	24.17
2A Stone	538846	24.04	1	24.04
2A Stone	538836	21.81	1	21.81
2A Stone	538829	23.39	1	23.39
2A Stone	538824	23.92	1	23.92
2A Stone	538818	23.63	1	23.63
2A Stone	538805	24.14	1	24.14
2A Stone	538798	24.47	1	24.47
2A Stone	538792	23.85	1	23.85
2A Stone	538894	24.66	1	24.66
2A Stone	538880	24.25	1	24.25
2A Stone	538871	23.59	1	23.59
2A Stone	538857	23.97	1	23.97
2A Stone	537199	23.87	1	23.87
Total Tons Stone				3394.71

Lewis Environmental Group
P.O. Box 639
Royersford, PA 19468

Invoice

DATE	Job No.
10/1/2010	10018

REMIT TO
Lewis Environmental Group Accounts Payable P.O. Box 639 Royersford, PA 19468

CLIENT
City of York Redevelopment Authority Attn: Shilvosky Buffaloe 49 East Market Street York, PA 17401

SITE/	WORK PERFORMED	TERMS
NORTHWEST TRIANGLE OHIO BLENDERS SITE	9/15/10 thru 9/27/10	NTE 45 days

QUANTITY	UNIT	DESCRIPTION	RATE	TOTAL
		CONDUCT DEMOLITION OF OHIO BLENDERS SITE **Base Contract**		
1	TASK	**1. Mobilization/Demobilization**	$ 1,800.00	$ 1,800.00
1	TASK	**2. Erosion and Sediment Controls**	$ 2,300.00	$ 2,300.00
2014.19	TONS	**3.Transportation and Disposal of Non-Hazardous Soil** **(see attached table of weights)**	$ 47.15	$ 94,969.06
1258.87 ~~2014.19~~	CY ~~TONS~~	**4.Soil Excavation Stockpiling Loading**	$ 7.35	# 9,252.69 $ ~~14,804.30~~ SBK
1	TASK	**5. Additional Fence and Post to Secure Excavations** *(Cost $ 1,270.72 plus 10%)* (See attached receipts)	$ 1,397.79	$ 1,397.79
		Progress Invoice 1 Project Not Complete		
Please remit to the above address.			SUBTOTAL	~~$ 115,271.15~~ SBK # 109,719.54

SAJO SOIL JOB FROM YORK

DATE	TICKET#	MANIFEST#	TRUCK#	TONNAGE
09/17/10	90089639	1160	GLEIMTRD23	24.83
09/17/10	90089640	1161	GLEIMTRD20	23.58
09/17/10	90089641	1162	GLEIMTRD19	26.55
09/17/10	90089642	1163	GLEIMTRD21	24.45
09/17/10	90089644	1164	GLEIMTRD22	22.82
09/17/10	90089649	1166	GLEIMTRD15	23.77
09/17/10	90089652	1165	GLEIMTRD18	24.01
09/17/10	90089655	1167	GLEIMTRD24	24.61
09/17/10	90089661	1168	GLEIMTRD14	26.43
09/17/10	90089704	1169	GLEIMTRD23	21.62
09/17/10	90089705	1170	GLEIMTRD20	22.39
09/17/10	90089706	1171	GLEIMTRD19	21.96
09/17/10	90089708	1172	GLEIMTRD21	21.11
09/17/10	90089709	1173	GLEIMTRD22	17.20
09/17/10	90089719	1174	GLEIMTRD14	18.64
09/17/10	90089720	1175	GLEIMTRD15	19.98
09/17/10	90089722	1176	GLEIMTRD18	18.89
09/17/10	90089724	1177	GLEIMTRD24	16.99
09/21/10	90089977	1178	GLEIMTRD20	21.04
09/21/10	90089978	1179	GLEIMTRD19	22.70
09/21/10	90089980	1180	GLEIMTRD21	21.16
09/21/10	90089984	1181	GLEIMTRD23	18.48
09/21/10	90089985	1182	GLEIMTRD18	19.91
09/21/10	90089990	1183	GLEIMTRD22	19.78
09/21/10	90089991	1184	GLEIMTRD15	21.89
09/21/10	90089993	1186	GLEIMTRD17	20.49
09/21/10	90089995	1185	GLEIMTRD24	22.30
09/21/10	90090027	1187	GLEIMTRD20	21.83
09/21/10	90090030	1188	GLEIMTRD19	23.51
09/21/10	90090032	1189	GLEIMTRD21	24.11
09/21/10	90090038	1190	GLEIMTRD23	20.77
09/21/10	90090039	1191	GLEIMTRD18	21.93
09/21/10	90090043	1193	GLEIMTRD15	22.18
09/21/10	90090048	1195	GLEIMTRD17	19.58
09/21/10	90090053	1194	GLEIMTRD24	22.02
09/21/10	90090069	1192	GLEIMTRD22	20.70
09/21/10	90090085	1196	GLEIMTRD20	21.37
09/21/10	90090087	1197	GLEIMTRD19	24.35
09/21/10	90090091	1198	GLEIMTRD21	23.17
9/22/2010	90090137	1199	GLEIMTRD20	23.51
9/22/2010	90090140	1200	GLEIMTRD19	25.75
9/22/2010	90090142	1201	GLEIMTRD21	24.47
9/22/2010	90090145	1202	GLEIMTRD23	21.13
9/22/2010	90090149	1203	GLEIMTRD18	22.25
9/22/2010	90090148	1204	GLEIMTRD14	20.96
9/22/2010	90090146	1205	GLEIMTRD22	22.20
9/22/2010	90090153	1206	GLEIMTRD17	18.42
9/22/2010	90090151	1207	GLEIMTRD15	22.24
9/22/2010	90090154	1208	GLEIMTRD24	20.74
9/22/2010	90090183	1209	GLEIMTRD20	22.55
9/22/2010	90090184	1210	GLEIMTRD19	21.11
9/22/2010	90090186	1211	GLEIMTRD21	22.75
9/22/2010	90090190	1212	GLEIMTRD23	17.51
9/22/2010	90090191	1213	GLEIMTRD22	17.74
9/22/2010	90090197	1214	GLEIMTRD18	16.92
9/22/2010	90090203	1215	GLEIMTRD14	19.87
9/22/2010	90090204	1216	GLEIMTRD15	20.80
9/22/2010	90090212	1217	GLEIMTRD24	21.27
9/22/2010	90090202	1218	GLEIMTRD17	19.91
9/23/2010	90090281	1219	GLEIMTRD19	20.44
9/23/2010	90090283	1229	GLEIMTRD20	21.80
9/23/2010	90090289	1230	GLEIMTRD21	21.94
9/23/2010	90090290	1231	GLEIMTRD14	19.92
9/23/2010	90090292	1232	GLEIMTRD15	22.57
9/23/2010	90090319	1233	GLEIMTRD19	23.12
9/23/2010	90090321	1234	GLEIMTRD20	23.35

9/23/2010	90090327	1235	GLEIMTRD21	22.73
9/23/2010	90090336	1236	GLEIMTRD14	21.57
9/23/2010	90080338	1237	GLEIMTRD15	22.18
9/23/2010	90090382	1239	GLEIMTRD19	23.83
9/23/2010	90090381	1238	GLEIMTRD20	24.21
9/23/2010	90090386	1240	GLEIMTRD21	22.06
9/24/2010	90090430	1241	GLEIMTRD20	22.36
9/24/2010	90090435	1242	GLEIMTRD19	23.73
9/24/2010	90090438	1243	GLEIMTRD21	23.74
9/24/2010	90090440	1245	GLEIMTRD24	19.23
9/24/2010	90090445	1244	GLEIMTRD23	20.91
9/24/2010	90090448	1246	GLEIMTRD17	18.89
9/24/2010	90090450	1248	GLEIMTRD22	21.67
9/24/2010	90090488	1247	GLEIMTRD18	18.21
9/24/2010	90090505	1250	GLEIMTRD19	24.85
9/24/2010	90090504	1249	GLEIMTRD20	23.74
9/24/2010	90090507	1252	GLEIMTRD24	18.67
9/24/2010	90090510	1251	GLEIMTRD21	22.87
9/24/2010	90090514	1253	GLEIMTRD23	16.49
9/24/2010	90090527	1254	GLEIMTRD17	17.89
9/24/2010	90090528	1255	GLEIMTRD22	18.35
9/24/2010	90090553	1256	GLEIMTRD18	18.37
9/27/2010	90090676	1257	DT-11	19.95
9/27/2010	90090677	1259	DT-8	19.85
9/27/2010	90090679	1258	DT-5	18.5
9/27/2010	90090729	1262	DT-11	21.31
9/27/2010	90090730	1261	DT-5	19.39
9/27/2010	90090731	1260	DT-8	20.3
TOTAL				2014.19

Lewis Environmental Group
P.O. Box 639
Royersford, PA 19468

Invoice

DATE	Job No.
5/16/2011	10018

REMIT TO
Lewis Environmental Group Accounts Payable P.O. Box 639 Royersford, PA 19468

CLIENT
City of York Redevelopment Authority Attn: Shilvosky Buffaloe 49 East Market Street York, PA 17401

SITE/	WORK PERFORMED	TERMS
NORTHWEST TRIANGLE OHIO BLENDERS SITE	4/11/11 thru 4/29/11	NET 45 days

QUANTITY	UNIT	DESCRIPTION	RATE	TOTAL
		CONDUCT SOIL REMEDIATION OF OHIO BLENDERS SITE		
		Base Contract		
72.37	TONS	**3.Transportation and Disposal of Non-Hazardous Soil (see attached table of weights)**	$ 47.15	$ 3,412.25
45.23	CUBIC YARDS	**4.Soil Excavation Stockpiling Loading**	$ 7.35	$ 332.44
		LOW CONCENTRATION SOILS REMEDIATION		
0.5	TASK	**MOBILIZATION/DEMOB**	$ 1,850.00	$ 925.00
326	LOADS	**SOIL EXCAVATION/STOCKPILING LOADING**	$ 74.00	$ 24,124.00
326	LOADS	**SOIL TRANPORTATION TO MODERN LANDFILL**	$ 142.00	$ 46,292.00
		IMPORT AND INSTALL CRUSHED STONE		
188.39	TONS	**4/26/2011**	$ 14.25	$ 2,684.56
187.90	TONS	**4/27/2011**	$ 14.25	$ 2,677.58
93.83	TONS	**4/29/2011**	$ 14.25	$ 1,337.08
	DAYS	**SITE WORK TO GRADE EXCAVATIONS**		
1	DAYS	**4/12/2011**	$ 2,300.00	$ 2,300.00
0.5	DAYS	**4/26/2011**	$ 2,300.00	$ 1,150.00
		April 11 thru April 29 activity Project Not Complete		
Please remit to the above address.			SUBTOTAL	$ **85,234.90**

SOIL REMEDIATION 10018 INVOICE - APRIL 2011

CURRENT CUSTOMER ACTIVITY REPORT
From: Apr 11, 2011 To: Apr 11, 2011
CUSTOMER RANGE: 000151 TO 000151

Facility: All Facilities | DETAILED REPORT | Ticket Type: All Ticket Ty

Ticket Date		Ticket Number	Contract	Truck ID	Material	Material Rate	Billing Quantity	Material Total	Tax Total	T
000151-0000 - CITY OF YORK (CONTRACT)										
04-11-11	I	140314-00	Haul Fee	15118	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140316-00	Haul Fee	15115	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140318-00	Haul Fee	15114	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140320-00	Haul Fee	15121	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140351-00	Haul Fee	151874	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140357-00	Haul Fee	151876	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140358-00	Haul Fee	151876	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140363-00	Haul Fee	151881	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140364-00	Haul Fee	151881	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140368-00	Haul Fee	151877	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140369-00	Haul Fee	151877	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140371-00	Haul Fee	151899	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140372-00	Haul Fee	151899	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140377-00	Haul Fee	151DT4	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140378-00	Haul Fee	151DT4	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140392-00	Haul Fee	151DT14	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140393-00	Haul Fee	15118	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140394-00	Haul Fee	15115	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140400-00	Haul Fee	15121	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140415-00	Haul Fee	151874	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140417-00	Haul Fee	151874	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140425-00	Haul Fee	151876	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140430-00	Haul Fee	151881	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140438-00	Haul Fee	151877	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140439-00	Haul Fee	151899	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140454-00	Haul Fee	15114	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140455-00	Haul Fee	15118	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140456-00	Haul Fee	151DT4	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140457-00	Haul Fee	15115	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140458-00	Haul Fee	15121	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140463-00	Haul Fee	151876	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140464-00	Haul Fee	151874	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140470-00	Haul Fee	151881	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140475-00	Haul Fee	151899	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-11-11	I	140476-00	Haul Fee	151877	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50

Tickets Reported: 35 CUSTOMER TOTALS: $1,750.00 $0.00 $1,750

Material Summary	Inbound Weight	Inbound Volume	Outbound Weight	Outbound Volume	Disposal Quantity	Total
ES - FEE-HAUL/TRANS/TRUCK	0.00 TN	700.00 YD	0.00 TN	0.00 YD	35.00 LD	$1,750.00

Cash Total:	$0.00	$0.00	$0.00
Invoice Total:	$1,750.00	$0.00	$1,750.00
Total Tickets: 35 Report Total:	$1,750.00	$0.00	$1,750.00

CURRENT CUSTOMER ACTIVITY REPORT
From: Apr 13, 2011 To: Apr 13, 2011
CUSTOMER RANGE: 000151 TO 000151

Facility: All Facilities — DETAILED REPORT — Ticket Type: All Ticket Ty

Ticket Date		Ticket Number	Contract	Truck ID	Material	Material Rate	Billing Quantity	Material Total	Tax Total	T
000151-0000 - CITY OF YORK (CONTRACT)										
04-13-11	I	140824-00	Haul Fee	151877	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-13-11	I	140825-00	Haul Fee	151881	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-13-11	I	140826-00	Haul Fee	151873	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
Tickets Reported:			3				CUSTOMER TOTALS:	$150.00	$0.00	$150

Material Summary	Inbound Weight	Inbound Volume	Outbound Weight	Outbound Volume	Disposal Quantity	Total
ES - FEE-HAUL/TRANS/TRUCK	0.00 TN	60.00 YD	0.00 TN	0.00 YD	3.00 LD	$150.00

Cash Total:	$0.00	$0.00	$0.00
Invoice Total:	$150.00	$0.00	$150.00
Report Total:	$150.00	$0.00	$150.00

Total Tickets: 3

CURRENT CUSTOMER ACTIVITY REPORT
From: Apr 01, 2011 To: Apr 14, 2011
CUSTOMER RANGE: 000151 TO 000151

Facility: All Facilities | DETAILED REPORT | Ticket Type: All Ticket Ty

Ticket Date		Ticket Number	Contract	Truck ID	Material	Material Rate	Billing Quantity	Material Total	Tax Total	T
000151-0000 - CITY OF YORK (CONTRACT)										
04-14-11	I	141052-00	Haul Fee	151881	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141053-00	Haul Fee	151875	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141055-00	Haul Fee	151877	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141060-00	Haul Fee	151873	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141075-00	Haul Fee	15118	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141078-00	Haul Fee	15120	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141083-00	Haul Fee	15121	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141085-00	Haul Fee	15119	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141095-00	Haul Fee	151877	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141098-00	Haul Fee	151881	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141101-00	Haul Fee	151875	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141106-00	Haul Fee	151873	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141115-00	Haul Fee	15120	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141117-00	Haul Fee	15118	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141120-00	Haul Fee	15121	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141124-00	Haul Fee	15119	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141137-00	Haul Fee	151877	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141140-00	Haul Fee	151881	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141153-00	Haul Fee	151875	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141164-00	Haul Fee	151873	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141167-00	Haul Fee	15120	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141168-00	Haul Fee	15118	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141173-00	Haul Fee	15121	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141176-00	Haul Fee	15119	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141193-00	Haul Fee	151877	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141194-00	Haul Fee	151881	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141212-00	Haul Fee	151875	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141226-00	Haul Fee	15120	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141227-00	Haul Fee	15118	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141228-00	Haul Fee	151873	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141230-00	Haul Fee	15121	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141231-00	Haul Fee	15119	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141238-00	Haul Fee	151877	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141244-00	Haul Fee	151881	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141257-00	Haul Fee	151875	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141261-00	Haul Fee	15120	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141266-00	Haul Fee	151873	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141271-00	Haul Fee	15121	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141276-00	Haul Fee	15119	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141278-00	Haul Fee	151877	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50
04-14-11	I	141289-00	Haul Fee	151881	FEE-HAUL/TRANS/	$50.00	1.00 LD	$50.00	$0.00	$50

Tickets Reported: 41 CUSTOMER TOTALS: $2,050.00 $0.00 $2,050

Material Summary	Inbound Weight	Inbound Volume	Outbound Weight	Outbound Volume	Disposal Quantity	Total
ES - FEE-HAUL/TRANS/TRUCK	0.00 TN	820.00 YD	0.00 TN	0.00 YD	41.00 LD	$2,050.00

Cash Total:	$0.00	$0.00	$0.00
Invoice Total:	$2,050.00	$0.00	$2,050.00
Total Tickets: 41 Report Total:	$2,050.00	$0.00	$2,050.00

OHIO BLENDERS SITE EC#293530

DATE	TICKET#	TRUCK#	MANIFEST#	TONNAGE
4/27/2011	90112966	GLEIMTRD19	001	22.27
4/27/2011	90113011	GLEIMTRD19	002	24.26
4/27/2011	90113067	GLEIMTRD19	003	25.84
TOTAL				72.37

TO: CUMBERLAND CO. LANDFILL

APPENDIX K

Public Notices

ARM Group Inc.

Earth Resource Engineers and Consultants

September 22, 2008

Kathleen Horvath, P.G.
Pennsylvania Dept. of Environmental Protection
909 Elmerton Avenue
Harrisburg, PA 17110-8200

Re: Notice of Intent to Remediate
Northwest Triangle Initiative
City of York, PA

Dear Ms. Horvath:

Please see the attached Notice of Intent to Remediate (NIR) for the Northwest Triangle property located in the City of York, York County, Pennsylvania. In addition to the NIR, copies of the municipal notification letter, site figure, newspaper submission, proof of publication, and certified mail receipt are also provided. This information is being submitted by ARM Group, Inc. (ARM) on behalf of the Redevelopment Authority of the City of York. The site figure was previously submitted electronically per the NIR instructions.

If you have any questions, please contact the undersigned at 717-508-0521. Thanks!

Sincerely,

Stephen B. Fulton, P.E., P.G.
Vice President, Environmental Services

Attachments:
1 – Notice of Intent to Remediate (including Site Map)
2 – Newspaper Notice and Proof of Publication
3 – Municipal Notification Letter and Certified Mail Receipt

Cc: City of York Redevelopment Authority

1129 West Governor Road • P.O. Box 797 • Hershey, PA 17033-0797
voice: (717) 533-8600 • fax: (717) 533-8605 • e-mail: info@armgroup.net

2530-FM-BWM0019 Rev. 10/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

NOTICE OF INTENT TO REMEDIATE

Act 1995-2 requires 4 general informational items to be included in the NIR: the general location, listing of contaminants, intended use of the property, and proposed remediation measures. In addition attach a site map if available.

Property Name City of York Northwest Triangle Initiative

Address/Location Multiple Properties and Pacrels in the northwest corner of the City of York (see below)

City York **Zip Code** 17401

Municipality (if more than one, list all) City of York

County York

Latitude 39 °(deg.) 57 '(min) 54 "(sec) **Longitude** 76 °(deg.) 43 '(min) 53 "(sec)

Horizontal Collection Method: Terrain Navigator Mapping Program

Horizontal Reference Datum: NAD83 **Reference Point:** 216 N. Beaver St.

Wish to participate in the DEP/EPA MOA: ☐

Contact Dave Hess at dahess@state.pa.us for details.

EPA ID Number, if known: _____

Provide a general description of the site contamination in plain language (e.g. fuel oil spill, historical chemical industrial area contamination), the names of any known primary contaminants to be addressed, and the intended future use of the property:

The Site is bounded to the west by Philadelphia Street and the Codorus Creek, north and east along the Codorus Creek to North George Street, south to approximately 75 feet north of North Street, east 300 feet, south to North Street, west to North George Street, and to the south and east to Philadelphia Street. The area is bisected by North Beaver Street. The area is more thoroughly described as follows:

BEGINNING at a point on the west bank of the Codorus Creek extending east along the south side of West Philadelphia Street approximately 1,290 feet; extending north approximately 310 feet along the east side of Cherry Lane to the north side of West Gas Avenue; extending west along the north side of West Gas Avenue approximately 128 feet to the east side of Cherry Lane; extending north along the east side of Cherry Lane approximately 713 feet to the south side of West North Street; extending east along the south side of West North Street to the east side of North George Street; extending north along the east side of North George Street to the north side of Hamilton Avenue; extending west along the north side of Hamilton Avenue to the east side of Snyder Place; extending north along the east side of Snyder Place approximately 107 feet to the north side of Lowell Place; extending west along the north side of Lowell Place approximately 204 feet; extending south approximately 75 feet; extending west approximately 67 feet to the west side of Cherry Lane; extending south along the west side of Cherry Lane approximately 160 feet to the north side of Hamilton Avenue; extending southwest along the north side of Hamilton Avenue approximately 258 feet to the west side of North Beaver Street; extending south along the west side of North Beaver Street approximately 253 feet to the north side of the Army Corp of Engineers' easement along the north bank of the Codorus Creek; extending south along the north side of the Army Corp of Engineers' easement along the north bank of the Codorus Creek approximately 1,800 feet to the north side of West Philadelphia Street. A separated lot includes the parcel extending approximately 75 feet to the north of East North Street and approximately 300 feet west of George Street. (Approximately 22 acres).

The various properties that comprise the project site have had a variety of previous uses. In general, the area is a comprised of mixed commercial, industrial and residential properties that include: a former auto body, a rail yard, a storage yard and materials blending facility, a dye and pigments manufacturing facility, some townhomes, and some other light industrial and warehousing activities.

Contaminants are present in the soils and potentially groundwater at the site as a result of past industrial and commercial activities, including coal storage, railroad operations, releases from previous fuel storage areas and underground tanks, and related conditions. Identified contaminants of concern at the site include petroleum constituents (e.g., benzene) in shallow and deeper soils, and heavy metals (most notably arsenic, chromium, and lead) in shallow soils.

The proposed future use of the area is mixed residential, commercial and light industrial uses. The Northwest Triangle is part of a larger redevelopment project (apprpximately 45 acres) that is being completed by the City of York.

Provide a general description of proposed remediation measures: The proposed remedial measures are expected to include the removal of underground storage tanks, the excavation and off-site recycling or disposal of shallow contaminated soils, and engineering and institutional controls (capping and deed restrictions) where required to accommodate the proposed future use and to meet the selected cleanup standard.

It is expected that soil and groundwater will be remediated to a combination of Statewide Health and Site-Specific standards. A Non-Use Aquifer determination may also be completed for the area if warranted by groundwater monitoring results.

Will remediation be to a site-specific standard ☒ or as a special industrial area ☐? If so, the municipality or municipalities must be provided 30-day comment period.
Remediator/Property Owner/Consultant. For each of these recipients of the approval of the final report, complete form below.

Remediator
Contact Person: Steve Fulton
Relationship to site (e.g. owner, remediator, participating in cleanup, consultant): Consultant
Phone Number: 717-508-0521
Company Name: ARM Group, Inc.
Address (street, city, state, zip): 1129 W. Governor Rd, PO Box 797, Hershey, PA 17033
Email Address: sfulton@armgroup.net
Property Owner
Contact Person: Matthew Jackson, Esq.
Relationship to site (e.g. owner, remediator, participating in cleanup, consultant): Redevelopment Director
Phone Number: 717-849-2223
Company Name: City of York Redevelopment Authority
Address (street, city, state, zip): 49 East Market Street, York, Pennsylvania, 17401

Email Address: mjackson@yorkcity.org
Consultant
Contact Person: Steve Fulton
Relationship to site (e.g. owner, remediator, participating in cleanup, consultant): Consultant
Phone Number: 717-508-0521
Company Name: ARM Group, Inc.
Address (street, city, state, zip): 1129 W. Governor Rd, PO Box 797, Hershey, PA 17033
Email Address: sfulton@armgroup.net

Preparer of Notice of Intent to Remediate:

Name: Dan Buterbaugh

Title: Project Geologist

Address: 1129 W. Governor Road, PO Box 797
Hershey, PA 17033

Telephone: 717-508-0532

Email Address: dbuterbaugh@armgroup.net

Email Image File of Site Map showing property lines and general area of site(s) to be remediated to: (landrecycling@state.pa.us)

Proof of Publication
State of Pennsylvania
County of York

AD # 1990857

Copy of Advertisement Attached Here

Public Notice of Intent to Remediate to an Environmental Standard

Pursuant to the Land Recycling and Environmental Remediation Standards Act, the act of May 19, 1995, P.L. 4, No. 1995-2. , notice is hereby given that ARM Group Inc. (ARM), on behalf of the City of York Redevelopment Authority (RDA), has submitted to the Pennsylvania Department of Environmental Protection (PADEP) a Notice of Intent to Remediate (NIR) a section of the City of York referred to as the Northwest Triangle, which is bounded to the west by Philadelphia Street and the Codorus Creek, north and east along the Codorus Creek to North George Street, south to approximately 75 feet north of North Street, east approximately 300 feet, south to North Street, west to North George Street, and to the south and east to Philadelphia Street. The area is bisected by North Beaver Street in the City of York, York County. The NIR states that the site was formerly a mix of industrial and commercial properties, including a rail yard, auto body shop, storage yard, materials blending facility, dye and pigments manufacturing facility, some townhomes, and some other light industrial and warehousing activities. Historical activities have resulted in the release of regulated substances, including petroleum hydrocarbons and some metals, to soils and groundwater at the site. The City of York RDA is proposing to remediate the affected soil and groundwater through a combination of removal, natural attenuation, and pathway elimination methods. The proposed future use of the area will include mixed residential, commercial, and light industrial uses.

The City of York RDA proposed to use a combination of cleanup standards at the site, including the Statewide Health and Site-Specific standards. The Act provides for a 30-day public comment period for site-specific standard remediations. The 30-day comment period is initiated with the publication of this notice. Until October 5, 2008, the City of York may submit a request to the RDA to be involved in the development of the remediation and reuse plans for the site. The City of York may also submit a request to the RDA during this 30-day comment period to develop and implement a public involvement plan. The RDA can be contacted through ARM Group Inc. at P.O. Box 797, Hershey, PA 17033-0797, attn: Steve Fulton. Copies of these requests and of any comments should also be submitted to the Pennsylvania Department of Environmental Protection, Southcentral Regional Office, 909 Elmerton Avenue, Harrisburg, PA, 17110-8200, attn: Ms. Kathleen Horvath.

THE YORK DISPATCH / YORK SUNDAY NEWS and YORK DAILY RECORD are the names of the daily newspapers of general circulation published continuously for more than the last six months by York Newspaper Company, at its principal place of business, which is 1891 Loucks Road, York, PA 17404.

The printed copy of the advertisement hereto attached is a true copy, exactly as printed and published, of an advertisement printed in the regular issues of the said **The York Dispatch/York Sunday News and York Daily Record** published on the following dates, viz:

09/05/2008

COMMONWEALTH OF PENNSYLVANIA
COUNTY OF YORK **SS**

Before me, a Notary Public, personally came Tamara J. Krebs who being duly sworn deposes and says that she is the Classified Advertising Director of York Newspaper Co., and has personal knowledge of the publication of the advertisement mentioned in the foregoing statement as to the time, place and character of publications are true, and that the affiant is not interested in the subject matter of the above mentioned advertisement.

Sworn and subscribed to before me this

05 day of September 2008

Sharon K. Wentz
Notary Public

Tamara J. Krebs

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Sharon K. Wentz, Notary Public
West Manchester Twp., York County
My Commission Expires Mar. 1, 2009
Member, Pennsylvania Association of Notaries

Estate of _____

_____ Dollars
100

The charge for the publication of above mentioned advertisement and the expense of above affidavit.

Advertisement Cost	$	358.40
Affidavit Fee	$	5.00
Total Cost	$	363.40

Public Notice of Intent to Remediate to an Environmental Standard

Pursuant to the Land Recycling and Environmental Remediation Standards Act, the act of May 19, 1995, P.L. 4, No. 1995-2. , notice is hereby given that ARM Group Inc. (ARM), on behalf of the City of York Redevelopment Authority (RDA), has submitted to the Pennsylvania Department of Environmental Protection (PADEP) a Notice of Intent to Remediate (NIR) a section of the City of York referred to as the Northwest Triangle, which is bounded to the west by Philadelphia Street and the Codorus Creek, north and east along the Codorus Creek to North George Street, south to approximately 75 feet north of North Street, east approximately 300 feet, south to North Street, west to North George Street, and to the south and east to Philadelphia Street. The area is bisected by North Beaver Street in the City of York, York County. The NIR states that the site was formerly a mix of industrial and commercial properties, including a rail yard, auto body shop, storage yard, materials blending facility, dye and pigments manufacturing facility, some townhomes, and some other light industrial and warehousing activities. Historical activities have resulted in the release of regulated substances, including petroleum hydrocarbons and some metals, to soils and groundwater at the site. The City of York RDA is proposing to remediate the affected soil and groundwater through a combination of removal, natural attenuation, and pathway elimination methods. The proposed future use of the area will include mixed residential, commercial, and light industrial uses.

The City of York RDA proposed to use a combination of cleanup standards at the site, including the Statewide Health and Site-Specific standards. The Act provides for a 30-day public comment period for site-specific standard remediations. The 30-day comment period is initiated with the publication of this notice. Until October 5, 2008, the City of York may submit a request to the RDA to be involved in the development of the remediation and reuse plans for the site. The City of York may also submit a request to the RDA during this 30-day comment period to develop and implement a public involvement plan. The RDA can be contacted through ARM Group Inc. at P.O. Box 797, Hershey, PA 17033-0797, attn: Steve Fulton. Copies of these requests and of any comments should also be submitted to the Pennsylvania Department of Environmental Protection, Southcentral Regional Office, 909 Elmerton Avenue, Harrisburg, PA, 17110-8200, attn: Ms. Kathleen Horvath.

ARM Group Inc.

Earth Resource Engineers and Consultants

September 3, 2008

CERTIFIED MAIL NO.: 7007 3020 0002 4873 3361

City of York
City Hall
50 W. King St.
York, PA 17401

Re: Notice of Intent to Remediate
Northwest Triangle Initiative Project
City of York
York County, Pennsylvania
ARM Project 07214

Dear Municipal Official:

The Land Recycling and Environmental Remediation Standards Act (Act 2) requires that a Notice of Intent to Remediate (NIR) be provided to the municipality in which the site is located. Act 2 also provides that when a site is being remediated to a Site-Specific Standard, the municipality is afforded a 30-day comment period. In accordance with the provisions of the Act, and on behalf of the City of York Redevelopment Authority, we are formally notifying you of our intent to remediate the subject site. A copy of the NIR, which will be sent to the Pennsylvania Department of Environmental Protection (PADEP), is enclosed. This notice will be published in the Pennsylvania Bulletin, and a summary of the notice will appear in a local newspaper (the York Daily Record).

Publication in a local newspaper initiates the 30-day public and municipal comment period. During this time, your municipality may request to become involved in the development of the remediation and reuse plans for the site. In the event your municipality desires to become further involved in this project, please forward your request and comments to the undersigned.

Sincerely,
ARM Group Inc.

Stephen B. Fulton, P.E., P.G.
Vice President, Environmental Services

Enclosure – Notice of Intent to Remediate
cc: Matthew Jackson, Esq., City of York Redevelopment Authority

1129 West Governor Road • P.O. Box 797 • Hershey, PA 17033-0797
voice: (717) 533-8600 • fax: (717) 533-8605 • e-mail: info@armgroup.net

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

City of York
City Hall
50 W. King St.
York, PA 17401-1420

COMPLETE THIS SECTION ON DELIVERY

A. Signature
Raymond Kwaub
☐ Agent
☐ Addressee

B. Received by *(Printed Name)*
Raymond Kwaub

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

YORK PA 17401
SEP 5 2008
USPS

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number
(Transfer from service label)
7007 3020 0002 4873 3361

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

Pennsylvania Department of Environmental Protection

909 Elmerton Avenue
Harrisburg, PA 17110-8200
September 19, 2008

717-705-4705
FAX 717-705-4830

Southcentral Regional Office

Matthew Jackson, Esquire
City of York Redevelopment Authority
49 East Market Street
York, PA 17401

Re: Notice of Intent to Remediate
Site-Specific and Statewide Health Standards
Northwest Triangle – City of York
eFACTS PF # 711356
Properties and Parcels bounded by
Philadelphia Street, Codorus Creek,
North George Street and North Street
City of York, York County

Dear Mr. Jackson:

This letter acknowledges receipt of your Notice of Intent to Remediate (NIR) on September 3, 2008, pertaining to the subject site and submitted in accordance with the Land Recycling and Environmental Remediation Standards Act (Act 2). The procedures set forth in Act 2 must be followed in order for this site to qualify for the liability protection provided by the Act. Please note that proper municipal and public notifications of this NIR, which include a 30-day comment period, are required. The Department of Environmental Protection (Department) will not accept plans and reports until after the 30-day comment period.

Sites remediated to a site-specific standard shall provide for a 30-day comment period following submission of the NIR, during which time the municipality may request to be involved in development of remediation and reuse plans for the site. If the municipality requests a public involvement plan, any comments and responses must be included in any subsequent reports.

Technical and program information can be found at: www.dep.state.pa.us (DEP Keyword: Land Recycling). Please note some of the information that is available from this web page:

- Statutes and Regulations.
- Guidance and Technical Tools. Includes a link to the Technical Guidance Manual.
- Forms and Lists.
    - A copy of the "Transmittal Sheet for Plan/Report Submission" should be included with any plans or reports that you submit.

  - Includes optional checklists helpful in assuring reports are complete before submittal. DEP uses the checklists to perform technical completeness reviews when plans and/or reports are submitted.
  - Includes Deed Notice and Environmental Covenant language.
- Conferences and Act 2 Training opportunities.

Remedial investigation reports, risk assessment reports, cleanup plans, and final reports submitted to the Department under the site specific standard need to be accompanied by the required fees. Include documentation verifying compliance with the public notification requirements. The Forms and Lists web page includes an online final report summary form. This form should be completed and submitted upon final report approval.

Please note the recently enacted Uniform Environmental Covenants Act (Act 68 of 2007), Title 27, Pa.C.S. Chapter 65 (UECA), became effective on February 19, 2008. This law provides a standardized process for creating, documenting and assuring the enforceability of activity and use limitations on contaminated sites involving engineering and institutional controls used to achieve Act 2 standards. The Department's approval of a Final Report may need to be supported by an environmental covenant. The Department will need to approve such covenants before submittal of any Final Report. Two signed copies of the environmental covenant will need to be submitted with the Final Report, and then recorded on deeds of affected properties. Further information about UECA may be found on the Department's web site at http://www.depweb.state.pa.us, under the key word Land Recycling.

The Department and the County Conservation Districts (CCD) are coordinating their respective reviews of Act 2 Remediation and Erosion & Sedimentation (E&S) Plans to ensure compliance with Chapter 102 and the National Pollutant Discharge Elimination System (NPDES) permitting requirements. Certain earthmoving activities associated with Act 2 remediation, demolition, and site redevelopment are regulated to prevent sediment pollution and release of contaminants to area waterways. These activities include:

- Where earthmoving activities are less than 5,000 square feet, E&S Best Management Practices will be followed.
- Earthmoving impacting 5,000 square feet to one acre must prepare an E&S Plan meeting the requirements of Chapter 102 and the E&S Manual. The plan must be available onsite for inspection and may need approval.
- Earthmoving impacting or disturbing more than one acre requires an NPDES Stormwater Permit and/or E&S Plan approvals. Do not initiate any earth disturbance activities until a NPDES permit is issued.

NPDES Permit applications for site remediation/redevelopment conducted under Act 2 are to be submitted to the respective CCD in which the site is located. Attach a copy of this letter to Plans/Permit

applications being submitted to the Watershed Management Program or the CCD. Further guidance can be located on the program's website.

As a reminder, any project requiring a Department permit will need to go through a Pennsylvania Natural Diversity Index (PNDI) screening and have any potential conflicts with threatened and endangered species resolved prior to submitting an application.

Mr. F. William, Noll is the project officer assigned to your project and will be working with you towards the remediation of this site. Frequent contact is encouraged between your representatives and our staff. If you have any questions or need further clarifications of our procedures, please call Mr. Noll at 717-705-4851.

Sincerely,

Kathleen G. Horvath

Kathleen G. Horvath, P.G.
Chief, Special Projects Section
Environmental Cleanup Program

cc: Denise Brinley, DEP
Tracey Vernon, DEP
Steve Fulton, ARM Group, Inc.
York County Conservation District
City of York

email: Nick Molina, DEP

baf

ARM Group Inc.
Earth Resource Engineers and Consultants

January 8, 2010

Certified Mail Tracking Number: 7008 1140 0004 8931 4730

City of York
City Hall
50 W. King St.
York, PA 17401

Re: Northwest Triangle Initiative Project
City of York
York County, PA
Municipal Notification

Dear Municipal Official,

Notice is hereby given that ARM Group, Inc. (ARM), on behalf of the City of York Redevelopment Authority (RDA), has submitted an Act 2 Final Report to the Pennsylvania Department of Environmental Protection, to demonstrate attainment of the statewide health cleanup standard for the Stage One Properties at the Northwest Triangle site, which is bounded by Philadelphia Street, Codorus Creek, North George Street, and North Street in the City of York, York County, Pennsylvania. ARM has indicated that soil at the facilities has attained compliance with the statewide health cleanup standard under the Land Recycling and Environmental Remediation Standards Act.

This notice is made under the provision of the Land Recycling and Environmental Remediation Standards Act, the Act of May 19, 1995, P.L. #4, No. 2.

Sincerely,

Stephen B. Fulton. P.E., P.G.
Project Manager

cc: Kevin Shreiber – RDA

1129 West Governor Road • P.O. Box 797 • Hershey, PA 17033-0797
voice: (717) 533-8600 • fax: (717) 533-8605 • e-mail: info@armgroup.net

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

CITY OF YORK
CITY HALL
50 W. KING ST.
YORK, PA 17401

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X
☐ Agent
☐ Addressee

B. Received by (*Printed Name*)

C. Date of Delivery
1-19-10

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

JAN 19 2010

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (*Extra Fee*) ☐ Yes

2. Article Number
(*Transfer from service label*) 7008 1140 0004 8931 4730

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

Proof of Publication
State of Pennsylvania
County of York

AD # 2081172

Copy of Advertisement Attached Here

NOTIFICATION OF RECEIPT OF FINAL REPORT

Notice is hereby given that ARM Group, Inc. (ARM), on behalf of the City of York Redevelopment Authority, has submitted an Act 2 Final Report to the Pennsylvania Department of Environmental Protection, to demonstrate attainment of the statewide health cleanup standard for the section of the City of York referred to as the Stage One Properties at the Northwest Triangle, bounded by Philadelphia Street, Codorus Creek, North George Street, and North Street in the City of York, York County, Pennsylvania. ARM has indicated that soil at the facilities has attained compliance with the statewide health cleanup standard under the Land Recycling and Environmental Remediation Standards Act.

This notice is made under the provision of the Land Recycling and Environmental Remediation Standards Act, the Act of May 19, 1995, P.L. #4, No. 2.

THE YORK DISPATCH / YORK SUNDAY NEWS and YORK DAILY RECORD are the names of the daily newspapers of general circulation published continuously for more than the last six months by York Newspaper Company, at its principal place of business, which is 1891 Loucks Road, York, PA 17408.

The printed copy of the advertisement hereto attached is a true copy, exactly as printed and published, of an advertisement printed in the regular issues of the said **The York Dispatch/York Sunday News and York Daily Record** published on the following dates, viz:

01/14/2010

COMMONWEALTH OF PENNSYLVANIA
COUNTY OF YORK **SS**

Before me, a Notary Public, personally came Linda Smith who being duly sworn deposes and says that she is the Layout Supervisor of York Newspaper Co., and has personal knowledge of the publication of the advertisement mentioned in the foregoing statement as to the time, place and character of publications are true, and that the affiant is not interested in the subject matter of the above mentioned advertisement.

Sworn and subscribed to before me this

14 day of January 2010

Sharon K. Wentz } Linda Smith

Notary Public

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Sharon K. Wentz, Notary Public
West Manchester Twp., York County
My Commission Expires March 1, 2013
Member, Pennsylvania Association of Notaries

Estate of _____

_____ Dollars
100

The charge for the publication of above mentioned advertisement and the expense of above affidavit.

Advertisement Cost	$	142.40
Affidavit Fee	$	5.00
Total Cost	$	147.40