PRELIMINARY SITE ASSESSMENT
MERYL B. MABE PROPERTY
3810 LEO STREET
WINSTON-SALEM, NORTH CAROLINA
STATE PROJECT: U-2826B
WBS ELEMENT: 34871.2.1

Prepared for:

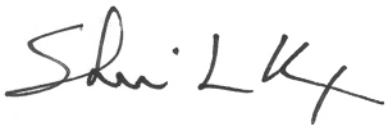
NC Department of Transportation
Geotechnical Engineering Unit
GeoEnvironmental Section
1589 Mail Service Center
Raleigh, North Carolina 27699-1589

Prepared by:

Solutions-IES
1101 Nowell Road
Raleigh, North Carolina 27607

Solutions-IES Project No. 3944.10A3.NDOT

April 28 2010



Jody Overmyer, P.E.
Project Engineer

Sheri L. Knox
Senior Engineer

TABLE OF CONTENTS

TABLES

FIGURES

APPENDICES

1.0 INTRODUCTION

The Meryl B. Mabe (Mabe) Property in Forsyth County is currently in use as Randy Moore's Auto Repair & Towing facility located at 3810 Leo Street, Winston-Salem, North Carolina. The location of the property is shown on **Figures 1** and **2**. The NCDOT plans to acquire this property due to the planned realignment of entrance and exit ramps to US-52. This report summarizes the results of field and laboratory activities conducted during the Preliminary Site Assessment (PSA) of the subject property. The scope of work executed at the site was performed in general accordance with Solutions-IES proposal NC101062 revised March 1, 2010, and was initiated based on a Notice to Proceed issued by the NCDOT Geotechnical Engineering Unit on March 3, 2010 under contract 7000010453, dated June 25, 2009.

2.0 BACKGROUND AND SITE DESCRIPTION

An auto repair, tow and recovery business currently operates on the Mabe property. It is located approximately 300 feet north of the Akron Drive and Leo Street intersection. This property has no assigned parcel number. The PSA was performed along the proposed right-of-way (ROW) stretching north to south inside a fenced parking lot located on the east face of the storefront. Work was not performed in areas of the properties outside of the proposed ROW. Photographs of the site are included in **Appendix A.**

3.0 FIELD ACTIVITIES

Prior to mobilizing to the site to conduct work, Solutions-IES contacted North Carolina One Call to locate underground utilities at the site. Pyramid Environmental & Engineering, P.C. (Pyramid) was contracted to perform a geophysical survey, and mobilized to the study area March 10 and March 15, 2010. The geophysical investigation consisted of electromagnetic (EM) induction-metal detection surveys using a Geonics EM61-MK1 metal detection instrument and ground penetrating radar (GPR) surveys using a GSSI SIR-2000 unit equipped with a 400 MHz antenna. Results of the survey suggested that the proposed ROW at the Meryl B. Mabe property does not contain metallic underground storage tanks (UST). Images of the EM and GPR findings are included in the geophysical report included as **Appendix B**. After a review of the geophysical report, Solutions-IES mobilized to the site on March 30, 2010, to collect soil samples. Five soil borings were advanced to a depth of 8 feet below ground surface (ft bgs). All soil borings were advanced using a Geoprobe®. The approximate location of the soil borings are displayed in **Figure 3.** The GPS coordinates of the boring locations are included in **Appendix C**.

A Macro-Core® sampler fitted with a dedicated polyvinyl chloride (PVC) liner was used to collect samples at 2-foot intervals. Each soil sample was split into two aliquots. Each aliquot was placed in a separate resealable plastic bag. One bag was placed on ice for possible laboratory analysis, while the other bag was sealed and placed at ambient temperature for field screening with a flame ionization detector (FID). After approximately 20 minutes to allow accumulation of volatile organic compounds (VOCs) in the headspace of the bag, each sealed bag was scanned with the FID. The FID measurements were entered into the field logbook along with the soil description and any indications of petroleum staining or odor. That information was subsequently transferred onto boring logs. The boring logs are provided in **Appendix D** and the field screening results are summarized in **Table 1**. The field screening results are also summarized on the boring logs.

The subsurface at the site generally consisted of red-brown clays overlying white-pink silty to clayey sands (Unified Soil Classification CL to SM-SC). Soils were dry to moist and groundwater was not encountered in the borings to a depth of 8 ft bgs.

Table 1 shows the FID field screening results of the soils ranged from not detected to 0.9 parts per million (ppm). A soil sample was collected from each boring at the interval identified in **Table 1** and was placed in laboratory-supplied jars and stored on ice pending courier service to Prism Laboratories in Charlotte, NC. Sample information was recorded on the chain-of-custody form, and the samples were submitted for analysis of gasoline range organics (GRO) and diesel range organics (DRO) total petroleum hydrocarbons (TPH) by EPA Modified Method 8015 with preparation methods 5030 and 3545, respectively. GRO and DRO TPH analysis can be used to screen soil which may be impacted by fuel constituents.

4.0 LABORATORY RESULTS

The laboratory analytical results do not indicate the presence of TPH in soil samples collected from borings M-1 through M-5. Concentrations do not exceed the laboratory reporting limit. The analytical results are summarized in **Table 2**, and the laboratory report is included in **Appendix E**.

5.0 DISCUSSION

The geophysical survey conducted at the site suggested that no buried metallic objects such as a UST are present within the proposed ROW. Solutions-IES advanced five soil borings to a depth of 8 ft bgs. The highest FID reading measured 0.9 ppm in boring M-4 at depths of 2 to 4 ft and 4 to 6 ft bgs.

TPH (GRO or DRO) was not detected above the laboratory reporting limits in soil samples collected from the site. Therefore, the concentrations do not exceed the tank closure screening level of 10 mg/kg in *Guidelines for Site Checks, Tank Closure, and Initial Response and Abatement,* (*State of North Carolina Department of Environment and Natural Resources [NCDENR], Division of Waste Management [DWM], Underground Storage Tank [UST] Division, March 1, 2007; Version; Change 3, Effective December 1, 2008) (Site Check Guidelines).* Further assessment at this site is not necessary at this time.

TABLES

TABLE 1
Summary of Field Screening Results for Soil
Meryl B. Mabe Property
3810 Leo Street
Winston-Salem, North Carolina
WBS Element: 34871.2.1; State Project:U-2826B
Sample Collection Date: March 30, 2010

Sample Depth Below Ground Surface	Soil Boring				
	M-1	M-2	M-3	M-4	M-5
	FID Reading (ppm)				
0 - 2 feet	0.0	0.0	0.7	0.5	0.0
2 - 4 feet	0.0	0.3	0.0	0.9	0.0
4 - 6 feet	0.0	0.0	0.3	0.9	0.0
6 - 8 feet	0.0	0.2	0.1	0.0	0.0

Notes:

Samples denoted by shaded cells were submitted for laboratory analysis.
FID readings were obtained with a Photovac MicroFID Flame Ionization Detector.
ppm = parts per million

TABLE 2
Summary of Soil Analytical Results
Meryl B. Mabe Property,
3810 Leo Street
Winston-Salem, North Carolina
WBS Element: 34871.2.1; State Project:U-2826B
Sample Collection Date: March 30, 2010

Sample Information		Total Petroleum Hydrocarbons	
Boring Number	**Depth (ft bgs)**	**Gasoline Range[1] (mg/kg)**	**Diesel Range[2] (mg/kg)**
M-1	6-8	< 7.2	< 10
M-2	6-8	< 6.9	< 9.6
M-3	6-8	< 6.7	< 9.3
M-4	6-8	< 6.1	< 8.5
M-5	6-8	< 5.8	< 8.1

Notes:

1. Total Petroleum Hydrocarbons (TPH) Method 5030/8015MOD - Gasoline Range Hydrocarbons
2. Total Petroleum Hydrocarbons (TPH) Method 3545/8015MOD - Diesel Range Hydrocarbons

ft bgs = feet below ground surface

mg/kg = milligram per kilogram

FIGURES

PROJECT NUMBER 3944.10A3.NCDOT

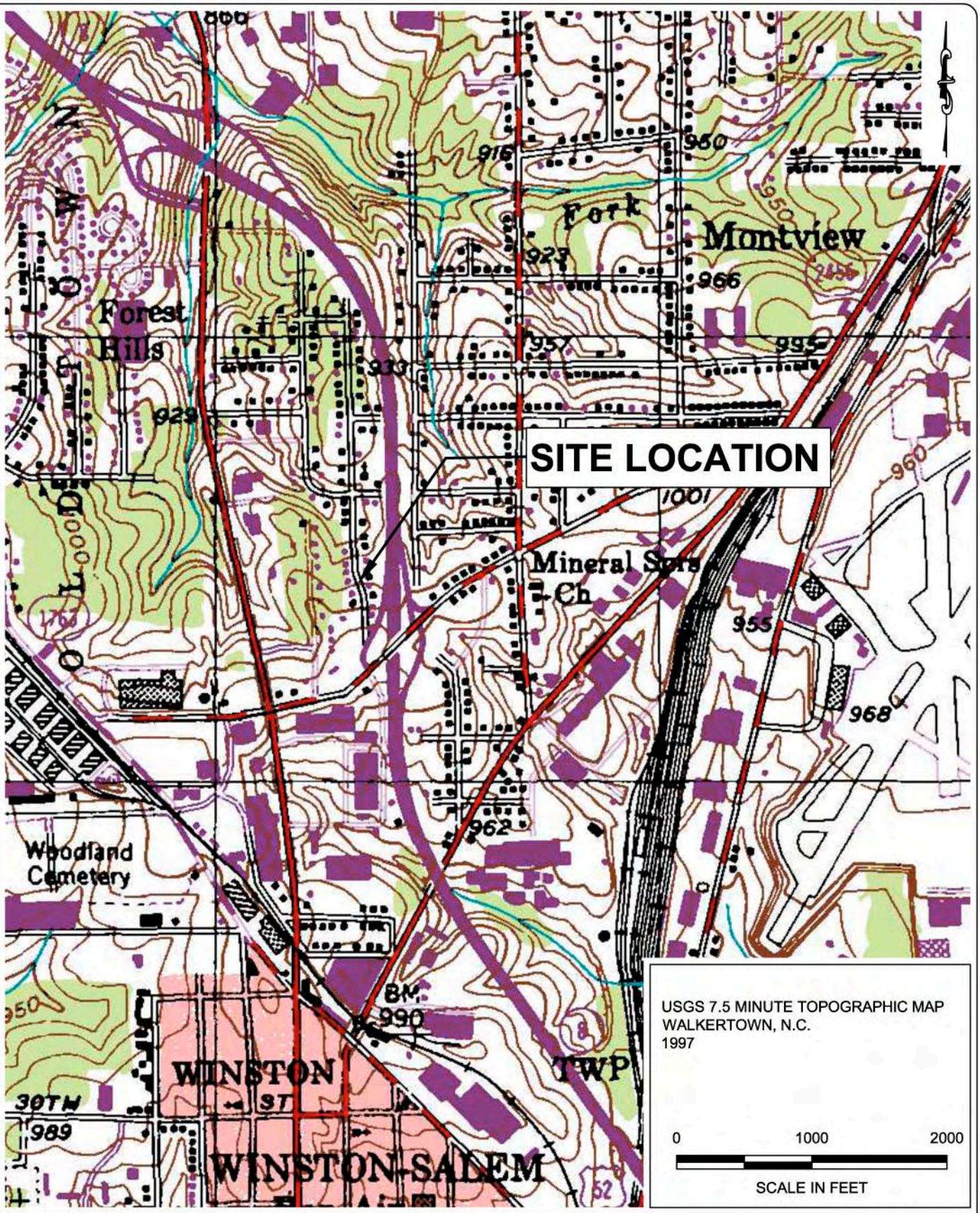
DRAFTER HRG

CHECKED BY BE

PROJECT MANAGER JO

DATE 04/13/2010

FILE Figure 1.pdf



Solutions-IES
Industrial & Environmental Services
1101 NOWELL ROAD
RALEIGH, NORTH CAROLINA 27607
TEL.: (919) 873-1060 FAX.: (919) 873-1074

SITE LOCATION MAP
3810 LEO STREET
WINSTON-SALEM, NORTH CAROLINA
STATE PROJECT: U-2826B
WBS ELEMENT: 34871.2.1

FIGURE:
1

T:\Project Files\NCDOT\GeoEnvironmental\3944.10A3.NDOT - Forsyth County PSAs (Six Parcels)\3 - CAD\Forsyth County Base.dwg, 1-Mabe, 1:1

PROJECT NUMBER 3944.10A3.NCDOT
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PROJECT MANAGER JO
DATE 03/02/2010
FILE Figure 2.pdf

CHARLES H. CARTER
AND WIFE
ELIZABETH M. CARTER

SHERATON STREET

EIP

CHARLES H. CARTER AND WIFE
ELIZABETH M. CARTER

AMERICAN PAWN &
JEWELRY INC.

GARRY STEVEN
WHITEHEART

PROPOSED EASEMENT

LEO STREET

AKRON DRIVE

90.23'
19.40'

LEGEND

PROPOSED ROW LOCATION

PROPERTY BOUNDARY

0 40 80

SCALE IN FEET

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MERYL B. MABE PROPERTY
3810 LEO STREET
WINSTON-SALEM, NORTH CAROLINA
STATE PROJECT: U-2826B
WBS ELEMENT: 34871.2.1

SITE MAP

FIGURE: 2

FILE: Figure 3.pdf
DATE: 03/02/2010
PROJECT MANAGER: JO
CHECKED BY: BE
DRAFTER: HRG
PROJECT NUMBER: 3944.10A3.NCDOT

CHARLES H. CARTER AND WIFE ELIZABETH M. CARTER

SHERATON STREET

EIP

CHARLES H. CARTER AND WIFE ELIZABETH M. CARTER

AMERICAN PAWN & JEWELRY INC.

GARRY STEVEN WHITEHEART

M-5

M-4

M-3

M-2

M-1

PROPOSED EASEMENT

LEO STREET

AKRON DRIVE

90.23
19.40

EIP

LEGEND

PROPOSED ROW LOCATION

PROPERTY BOUNDARY

0 40 80

SCALE IN FEET

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WBS ELEMENT: 34871.2.1

SOIL BORING LOCATIONS

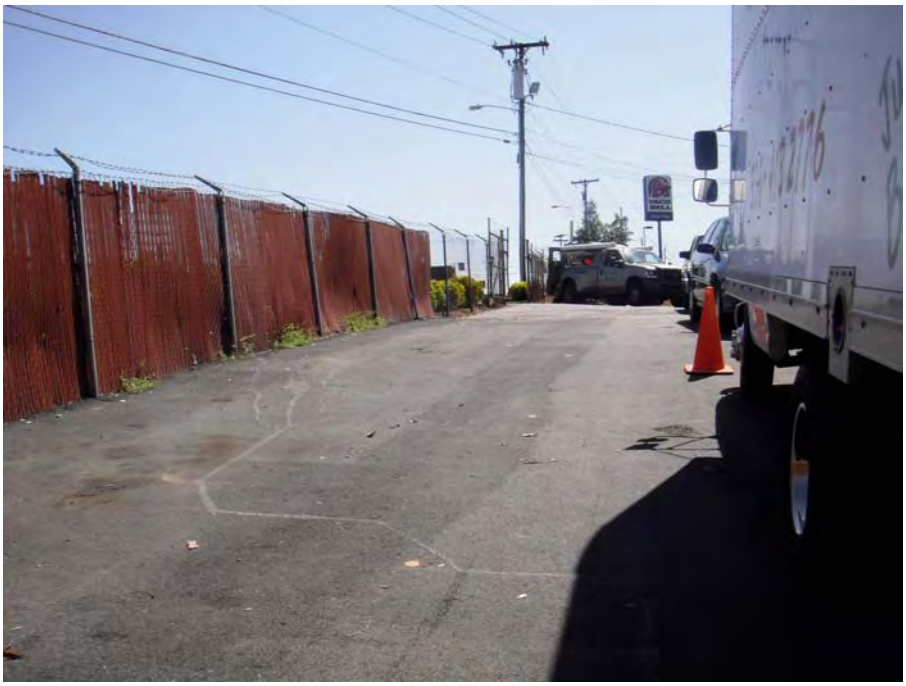
FIGURE: 3

APPENDIX A

PHOTOGRAPHS

Photograph 1 – View of the Meryl B. Mabe Property looking southwest along Leo Street.

Photograph 2 – View of the fenced lot looking north.



Photograph 3 – View of the fenced lot looking south.

APPENDIX B

GEOPHYSICAL REPORT

Pyramid Project # 2010044

GEOPHYSICAL INVESTIGATION REPORT

GEOPHYSICAL SURVEYS FOR THE
DETECTION OF METALLIC USTS
Akron Drive & Martin Luther King Jr. Drive Sites
Winston-Salem, North Carolina
Preliminary Site Assessments State Project #U2826B

March 26, 2010

Report prepared for: **Jody Overmyer**
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Prepared by: _____
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Solutions-IES
GEOPHYSICAL INVESTIGATION REPORT
Akron Drive & Martin Luther King, Jr. Drive Sites
Winston-Salem, North Carolina
Preliminary Site Assessments State Project #U2826B

TABLE OF CONTENTS PAGE

FIGURES

1.0 INTRODUCTION

Pyramid Environmental & Engineering, PC conducted geophysical investigations for Solutions - IES during the period of March 8-16, 2010, within the proposed Right-of-Way (ROW) areas at five sites located along Akron Drive and Martin Luther King, Jr. Drive in Winston-Salem, North Carolina. The work was done as part of the North Carolina Department of Transportation (NCDOT) Preliminary Site Assessments State Project #U2826B. The geophysical surveys were conducted to determine if unknown metallic underground storage tanks (UST's) were present beneath the proposed ROW area of each site.

Solutions - IES representative Ms. Jessica Keener, PE provided maps and site photographs during the week of February 15, 2010 that outlined the geophysical survey area of each site. Ms. Keener also provided project management during the geophysical investigation of the sites. The following, listed in geographical order from northern-most to southern-most locations, are the five sites in which geophysical investigations were conducted within the proposed ROW areas.

Property Owner	Parcel	Present Use of Property
Meryl B. Mabe Property	none	Randy Moore's Auto Repair
American Pawn & Jewelry Property	7	Cash America Pawn Shop
Burgerbusters Iii, LLC Property	6	Taco Bell Restaurant
A & M Realty Property	2	Piedmont Garage Doors
M. & M. Fowler Property	29	BP Gas Station/Store

Photographs of the geophysical equipment used in this investigation and the geophysical survey areas of the five sites are shown in **Figure 1**.

2.0 FIELD METHODOLOGY

Prior to conducting the geophysical investigations at the five Winston-Salem sites, a 10-foot by 10-foot survey grid was established across each of the geophysical survey areas using measuring tapes,

pin flags and water-based marking paint. These grid marks were used as X-Y coordinates for location control when collecting the geophysical data and establishing base maps for the geophysical results.

The geophysical investigation consisted of electromagnetic (EM) induction-metal detection surveys using a Geonics EM61-MK1 metal detection instrument. According to the instrument specifications, the EM61 can detect a metal drum down to a maximum depth of approximately 8 feet. All of the EM61 data were digitally collected at 0.8 foot intervals along northerly-southerly (X-axis) or easterly-westerly (Y-axis), parallel survey lines spaced five feet apart. All of the data were downloaded to a computer and reviewed in the office using the Geonics DAT61W and Surfer for Windows Version 7.0 software programs.

Upon processing and review of the EM61 metal detection data, ground penetrating radar (GPR) surveys were conducted across selected EM61 differential anomalies, areas containing steel reinforced concrete and around areas that contained parked vehicles when the metal detection surveys were conducted. GPR data were collected using a Geophysical Survey Systems SIR-2000 unit equipped with a 400 MHz antenna. Data were digitally collected in a continuous mode along X-axis and/or Y-axis survey lines, spaced 2.5 to 5.0 feet apart using a vertical scan of 512 samples, at a rate of 48 scans per second. A 70 MHz high pass filter and an 800 MHz low pass filter were used during data acquisition with the 400 MHz antenna. GPR data were collected down to a maximum depth of approximately 5.0 feet, based on an estimated two-way travel time of 8 nanoseconds per foot. All of the GPR data were downloaded to a field computer and reviewed in the field and office using Radprint software.

Contour plots of the EM61 bottom coil and differential results are presented in this report for each of the five sites. The bottom coil results represent the most sensitive component of the EM61 instrument and detect metal objects regardless of size. The bottom coil response can be used to delineate metal conduits or utility lines, small, isolated metal objects, and areas containing insignificant metal debris. The differential results are obtained from the difference between the top

and bottom coils of the EM61 instrument. The differential results focus on the larger metal objects such as drums and USTs and ignore the smaller insignificant metal objects.

Preliminary geophysical results obtained from the five Winston-Salem sites were reported to Ms. Keener during the weeks of March 15 and March 22, 2010.

3.0 DISCUSSION OF RESULTS

3.1 Meryl B. Mabe Property

The Meryl B. Mabe property is located at 3810 Leo Street and contains the Randy Moore's Auto Repair & Towing facility. The ROW area consists primarily of flat-lying asphalt pavement with non-operating, parked vehicles. The EM61 bottom coil and differential metal detection results are presented in **Figures 2**. GPR surveys were conducted across several of the differential anomalies and a GPR reconnaissance was conducted around the parked, non-operating vehicles.

The linear EM61 metal detection anomalies intersecting grid coordinates X=340 Y=360 and X=340 Y=405 are probably in response to the metallic fence that runs along the edge of the property. GPR data suggest that the negative EM61 differential anomalies (contours shaded in green) centered near grid coordinates X=316 Y=360, X=330 Y=440 and X=330 Y=470 are probably in response to the parked vehicles. The negative differential anomalies centered near grid coordinates X=345 Y=432 and X=345 Y=447 are probably in response to a water meter and a storm sewer drain, respectively.

The geophysical results suggest that the proposed ROW area at the Meryl B. Mabe property does not contain metallic USTs.

3.2 American Pawn & Jewelry – Burgerbusters, Iii, LLC Properties (Parcels 7 & 6)

The American Pawn & Jewelry property (Parcel 7) is located at 3800 Leo Street and contains the Cash America Pawn Shop. The proposed ROW area consists primarily of flat-lying asphalt or grass

surfaces and includes the east-west trending asphalt access road that runs from the pawn shop parking area to Sheridan Street. The Burgerbusters, Iii, LLC property is located immediately south of Parcel 7 at 349 Akron Drive. The property consists of a Taco Bell Restaurant and lies along the intersection of Akron Drive and Leo Street. The proposed ROW area at Parcel 6 consists of the asphalt access road that runs parallel to Leo Street and terminates in the Taco Bell parking lot and the grass island between the access road and Leo Street. The EM61 bottom coil and differential metal detection results obtained across the proposed ROW areas for the American Pawn and Burgerbusters properties are presented in **Figures 3 and 4**, respectively.

The linear, EM61 bottom coil anomalies intersecting grid coordinates X=15 Y=190, X=280 Y=154 and X=300 Y=324 are probably in response to buried utility lines or conduits. Similarly, the series of linear northeast-southwest trending bottom coil anomalies intersecting grid coordinates X=265 Y=170 may be in response to a buried line or conduit. The numerous bottom coil anomalies located along the grass island immediately west of Leo Street are probably in response to known surface objects or utility-related equipment or lines. GPR data suggest the high amplitude bottom coil anomalies (contours shaded in red) centered near grid coordinates X=237 Y=135 and X=280 Y=130 are in response to the Taco Bell drive thru-related equipment and the large sign poles, respectively.

GPR data suggest the higher amplitude EM61 differential anomaly centered near grid coordinates X=293 Y=300 is in response to utility-related equipment and/or lines. GPR data collected across the negative differential anomalies centered near grid coordinates X=210 Y=203 and X=227 Y=220 are in response to the steel reinforced concrete sidewalk, the pawn shop building and metallic bollards. The negative linear anomaly intersecting grid coordinates X=300 Y=350 is probably in response to the metallic fence. The geophysical investigation suggests that the surveyed portions of Parcels 7 & 6 (proposed ROW areas) do not contain unknown, metallic USTs.

3.3 A & M Realty Company Property (Parcel 2)

The A & M Realty Company property (Parcel 2) is located at 1151 North Martin Luther King, Jr. Drive and contains the Piedmont Garage Doors facility. The proposed ROW area consists of asphalt,

concrete and grass surfaces and includes the eastern and southern portions of the property. The EM61 bottom coil and differential metal detection results obtained across the proposed ROW area at the A & M Realty property are presented in **Figures 5 and 6**, respectively.

The linear, EM61 bottom coil anomalies intersecting grid coordinates X=230 Y=120 and X=249 Y=150 are probably in response to the metallic fence line. The linear bottom coil anomalies intersecting grid coordinates X=60 Y=52, X=75 Y=60, X=220 Y=74, and X=240 Y=53 are probably in response to buried utility lines or conduits. GPR data suggest that the bottom coil anomalies centered near grid coordinates X=120 Y=57 and X=170 Y=55 are in response to the building.

GPR data suggest the EM61 differential anomalies centered near grid coordinates X=225 Y=176 are in response to the dumpsters and metal fence line. Similarly, GPR data suggest the negative differential anomaly centered near grid coordinates X=195 Y=65 is in response to the parked vehicle that was present during the EM61 survey. The remaining negative differential anomalies are probably in response to known surface objects or utility-related equipment. The geophysical investigation suggests that the surveyed portions of Parcel 2 (proposed ROW area) do not contain unknown, metallic USTs.

3.4 M. M. Fowler Property (Parcel 29)

The M. M. Fowler property (Parcel 29) is located at 105 North Martin Luther King, Jr. Drive and contains a BP gas station/store facility. The proposed ROW area consists of asphalt, concrete and grass surfaces and includes the western and southern portions of the property. The EM61 bottom coil and differential metal detection results obtained across the proposed ROW area at the Fowler property are presented in **Figures 7 and 8**, respectively

The linear, EM61 bottom coil anomalies recorded along the edge of Martin Luther King, Jr. Drive and adjacent to East 1st Street (which intersect grid coordinates X=14 Y=140 and X=35 Y=36) are probably in response to buried utility lines. Similarly, the linear bottom coil anomalies intersecting grid coordinates X=27 Y=174 and X=84 Y=26 are probably in response to buried utility lines or

conduits. GPR data suggest that the high amplitude bottom coil anomalies or series of differential anomalies centered near grid coordinates X=30 Y=140 and X=90 Y=70 are in response to steel reinforced concrete.

GPR data suggest the negative EM61 differential anomalies centered near grid coordinates X=28 Y=60 and X=48 Y=76 are in response to the sign poles, telephones and bollards. The remaining differential anomalies are probably in response to known surface objects or utility line-related equipment. The geophysical investigation suggests that the surveyed portions of Parcel 29 (proposed ROW area) do not contain unknown, metallic USTs.

4.0 SUMMARY & CONCLUSIONS

Our evaluation of the EM61 & GPR data acquired across the proposed ROW areas at the five sites located along Akron Drive and Martin Luther King Jr. Drive in Winston-Salem, North Carolina, provides the following summary and conclusions:

- The EM61 and GPR surveys provided reliable results for the detection of metallic USTs within the surveyed portions of the sites.

- GPR data suggest that the EM61 differential anomalies recorded at the Meryl B. Mabe property (Tommy Moore's Auto Repair) are in response to the metal fence line, parked, non-operating vehicles or utility-related equipment.

- The geophysical results suggest that the proposed ROW area at the Meryl B. Mabe property does not contain metallic USTs.

- At the American Pawn and Burgerbusters properties (Parcels 7 & 6), GPR data suggest the higher amplitude EM61 differential anomaly centered near grid X=293 Y=300 is in response to utility-related equipment and/or lines. GPR data collected across the remaining negative

differential anomalies are in response to the steel reinforced concrete sidewalk, building, metallic bollards or metallic fence.

- The geophysical investigation suggests that the surveyed portions of Parcels 7 & 6 (proposed ROW areas) do not contain unknown, metallic USTs.

- GPR data acquired at the A & M Realty Company property (Parcel 2) suggest the negative EM61 differential anomalies are in response to dumpsters, a park vehicle, metal fence, known surface objects, or utility-line related equipment.

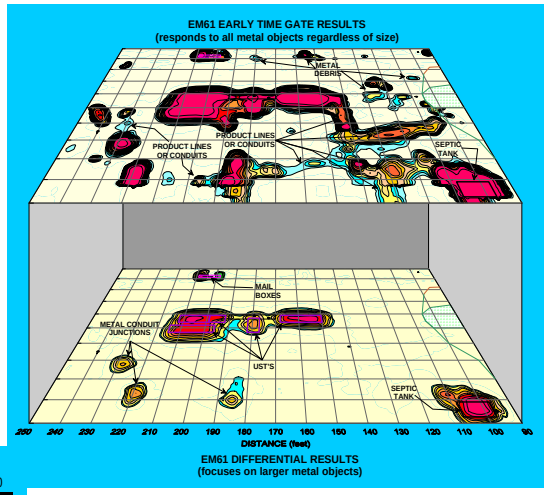
- The geophysical investigation suggests that the surveyed portions of Parcel 2 (proposed ROW area) do not contain unknown, metallic USTs.

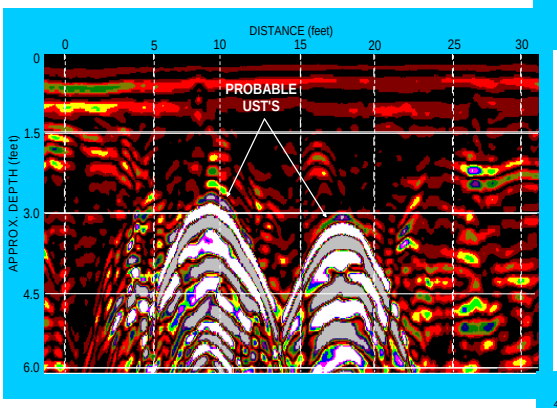
- GPR data acquired at the M. M. Fowler property (Parcel 29) suggest the negative EM61 differential anomalies are in response to steel reinforced concrete, sign poles, possible abandoned wells, known surface objects, or utility-line related objects.

- The geophysical investigation suggests that the surveyed portions of Parcel 29 (proposed ROW area) do not contain unknown, metallic USTs.

5.0 LIMITATIONS

EM61 and GPR surveys have been performed and this report prepared for Solutions-IES in accordance with generally accepted guidelines for EM61 and GPR surveys. It is generally recognized that the results of the EM61 and GPR surveys are non-unique and may not represent actual subsurface conditions. The EM61 and GPR results obtained across the proposed ROW areas at the five sites located in Winston-Salem have not conclusively determine that the surveyed portions of the sites do not contain buried, unknown, metallic USTs, but that none were detected.





FIGURES

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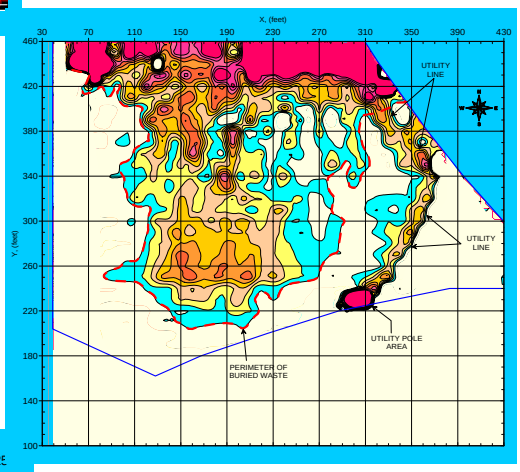
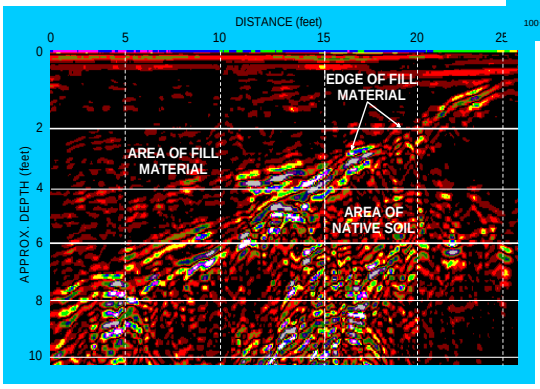




MERYL B. MABE PROPERTY
RANDY MOORE'S AUTO REPAIR & TOWING
3810 LEO STREET

BURGERBUSTERS Iii, LLC PROPERTY (PARCEL 6)
TACO BELL RESTAURANT
349 AKRON DRIVE

AMERICAN PAWN & JEWELRY PROPERTY (PARCEL 7)
CASH AMERICA PAWN SHOP
3800 LEO STREET

A & M REALTY COMPANY PROPERTY (PARCEL 2)
PIEDMONT GARAGE DOORS FACILITY
1151 N. MARTIN LUTHER KING, JR. DRIVE

ACCESS ROAD LOCATED BETWEEN AMERICAN
PAWN & BURGERBUSTERS PROPERTIES
3800 LEO STREET

M. M. FOWLER PROPERTY - (PARCEL 29)
BP GAS STATION/STORE
105 N. MARTIN LUTHER KING, JR. DRIVE

GEOPHYSICAL EQUIPMENT

The photograph shows the Geonics EM61 metal detector that was used to conduct the metal detection survey at the sites in Winston-Salem, North Carolina. The EM61 surveys were conducted during the week of March 8, 2010

The photographs show the SIR-2000 GPR system equipped with a 400 MHz antenna that were used to conduct the ground penetrating radar investigation at the sites in Winston-Salem, North Carolina. The GPR surveys were conducted during the week of March 15, 2010.

SITE PHOTOGRAPHS

This figure shows the photographs of the five sites located along Akron Drive or Martin Luther King, Jr. Drive in Winston-Salem, North Carolina where geophysical investigations were conducted within the ROW areas for the detection of unknown, metallic USTs.

PHOTOGRAPHS OF SITES & GEOPHYSICAL EQUIPMENT

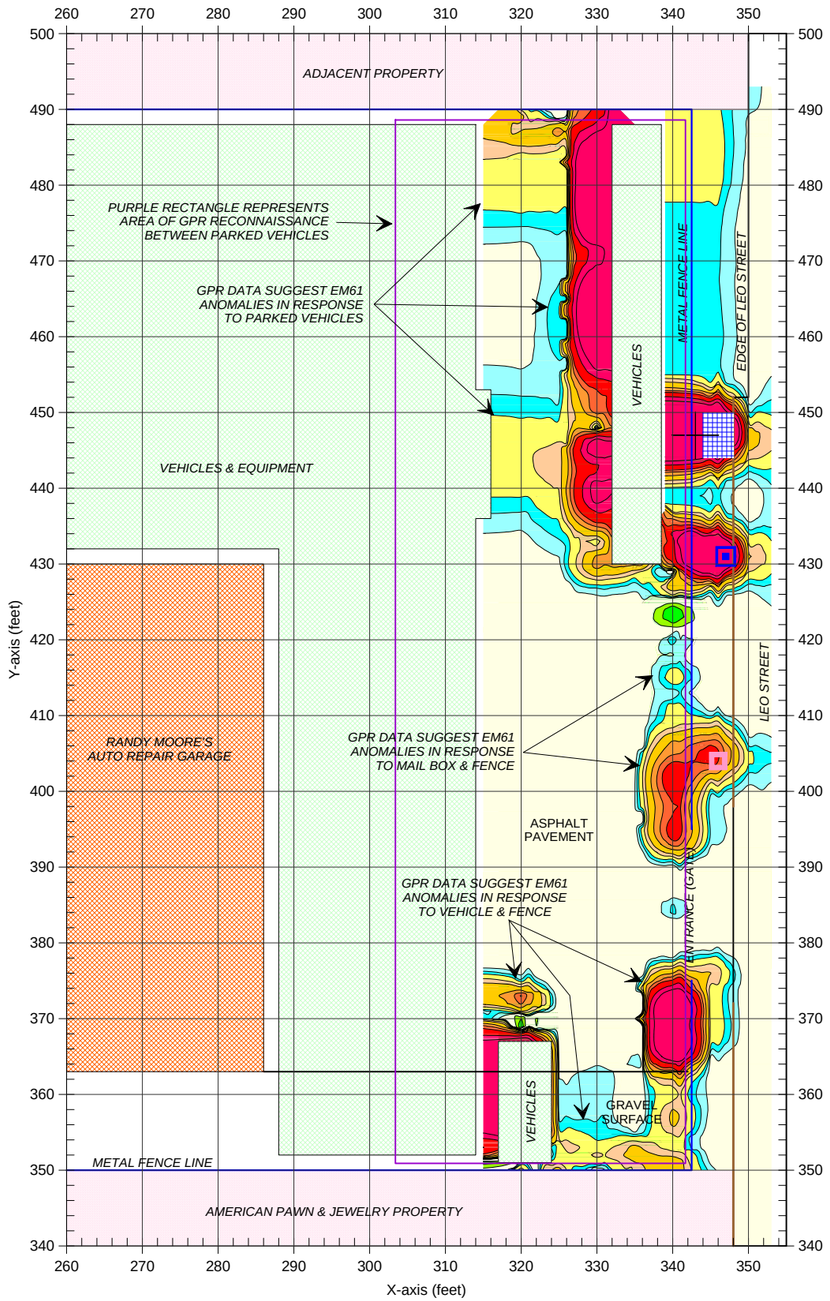
FIGURE 1

GRAPHIC SCALE IN FEET

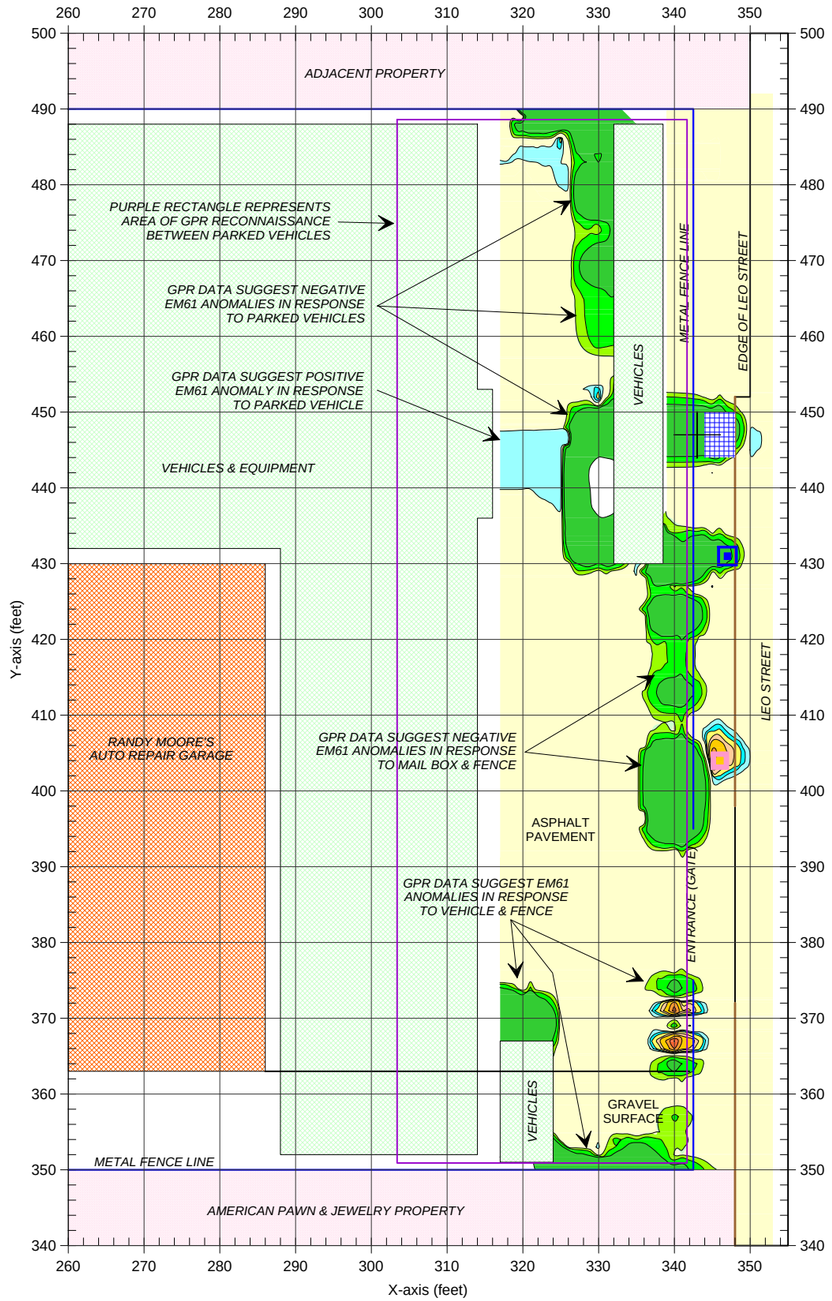
DRWN	CHKD		FIGURE
MJD			
DATE	LAY	DWG	J.NO.
03/25/10			2006-200

CLIENT	SITE	CITY	STATE	TITLE
SOLUTIONS IES	AKRON DRIVE & MARTIN LUTHER KING, JR. DRIVE SITES	WINSTON-SALEM	NORTH CAROLINA	GEOPHYSICAL RESULTS

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.



BOTTOM COIL RESULTS



DIFFERENTIAL RESULTS

N
W E
S
APPROXIMATE NORTH

LEGEND

- SURVEY AREA: EM61 DATA ACQUIRED ALONG X-AXIS TRENDING LINES SPACED 5 FEET APART
- GPR RECONNAISSANCE AREA
- BUILDING
- FENCE LINE
- MAIL BOX
- RIGHT-OF-WAY MARKER
- ROAD SIGN
- STORM SEWER GRATE
- UTILITY LINE BOX
- PARKED VEHICLES OR EQUIPMENT
- WATER METER BOX

EM61 BOTTOM COIL RESPONSE (MILLIVOLTS)

-5000 -400 -200 -100 -90 -45 -50 -75 -100 -150 -200 -300 -400 -500 -750 -1000

Note: The contour plot shows the bottom coil (most sensitive) response and the differential response of the EM61 instrument in millivolts (mV). The bottom coil response shows buried metallic objects regardless of size.The differential response focuses on larger, buried metallic objects such as drums and USTs and ignores smaller miscellaneous, buried, metal debris. The EM61 survey was collected on March 10, 2010 using a Geonics EM61 instrument. Ground penetrating radar (GPR) data were acquired on March 15, 2010 using a Geophysical Survey Systems SIR 2000 instrument with a 400 MHz antenna.

The geophysical investigation suggests that the surveyed portion of the property does not contain metallic USTs.

EM61 METAL DETECTION RESULTS

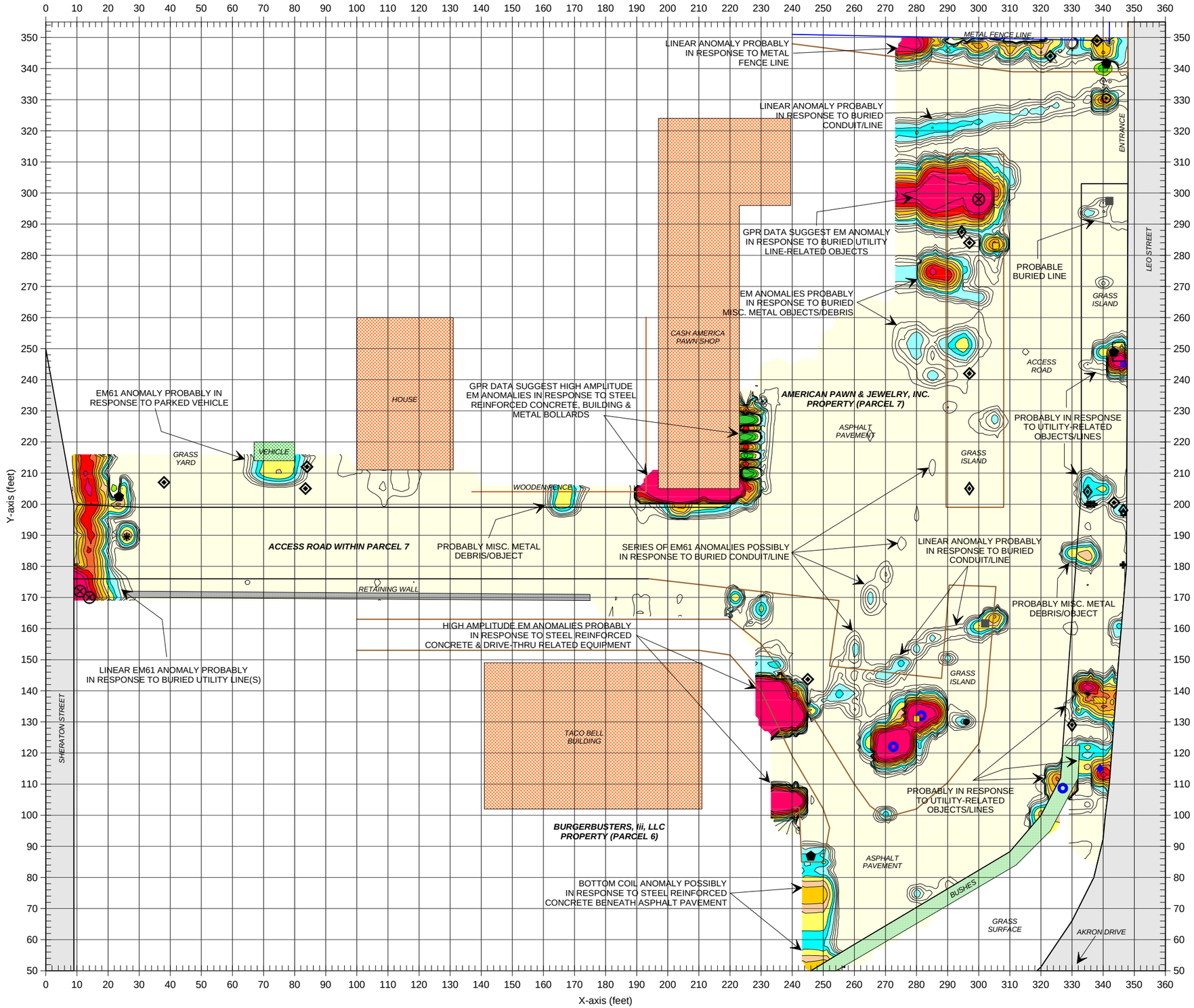
FIGURE 2

GRAPHIC SCALE IN FEET	
DRWN	MJD
CHKD	
DATE	03/25/10
LAY	
DWG	
FIGURE	
J.-NO.	2010-044
CLIENT	SOLUTIONS-IES
SITE	MERYL B. MABE PROPERTY (RANDY MOORE'S AUTO)
CITY	WINSTON-SALEM
STATE	NORTH CAROLINA
TITLE	GEOPHYSICAL RESULTS

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

EM61 METAL DETECTION (BOTTOM COIL RESULTS)

FIGURE 3



N
W E
S
APPROXIMATE NORTH

LEGEND

- SURVEY AREA: EM61 DATA ACQUIRED ALONG X-AXIS OR Y-AXIS TRENDING LINES SPACED 5 FEET APART
- BUILDING
- STORM SEWER COVER
- BUSINESS SIGN
- BUSINESS SIGN POLE
- CONCRETE CURBING
- ELECTRICAL BOX OR AIR PUMP
- GUY WIRE
- MONITORING WELL
- RIGHT-OF-WAY MARKER
- ROAD SIGN
- STORM SEWER GRATE
- GAS VALVE COVER
- UTILITY POLE
- UTILITY LINE BOX
- VEHICLE
- WATER METER BOX
- VALVE COVER
- FIRE HYDRANT
- CONCRETE ABUTMENT

EM61 BOTTOM COIL RESPONSE (MILLIVOLTS)

-5000 -400 -200 -100 -90 -20 -30 -40 -50 -75 -100 -150 -200 -300 -400 -500 -750 -1000

The contour plot shows the bottom coil (most sensitive) response of the EM61 instrument in millivolts (mV). The bottom coil response shows buried metallic objects regardless of size. The EM metal detection data were collected on March 9, 2010 using a Geonics EM61 instrument. Ground penetrating radar (GPR) data were acquired on March 15, 2010 using a Geophysical Survey Systems SIR 2000 instrument with a 400 MHz antenna.

The geophysical investigation suggests that the surveyed portions of Parcels 6 & 7 do not contain metallic USTs.

GRAPHIC SCALE IN FEET

DRWN	CHKD		FIGURE
MJD			
DATE	LAY	DWG	J-NO.
03/25/10			2010-044

CLIENT: SOLUTIONS-IES

SITE: AMERICAN PAWN & BURGERBUSTERS PROPERTIES (PARCELS 7&6)

CITY: WINSTON-SALEM

STATE: NORTH CAROLINA

TITLE: GEOPHYSICAL RESULTS

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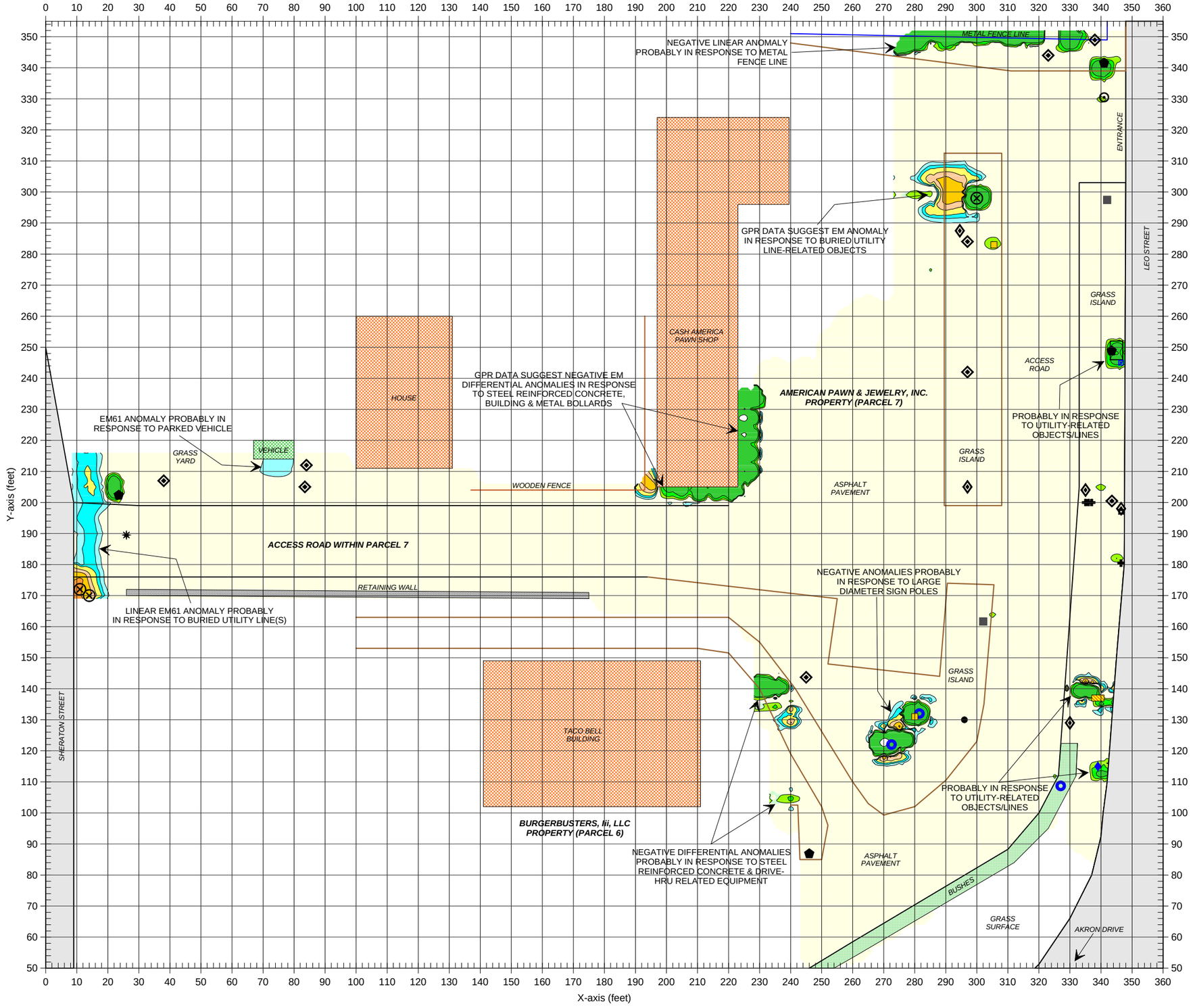
EM61 METAL DETECTION (DIFFERENTIAL RESULTS)

FIGURE 4



N
W E
S
APPROXIMATE NORTH

LEGEND

- SURVEY AREA: EM61 DATA ACQUIRED ALONG X-AXIS OR Y-AXIS TRENDING LINES SPACED 5 FEET APART
- BUILDING
- STORM SEWER COVER
- BUSINESS SIGN
- BUSINESS SIGN POLE
- CONCRETE CURBING
- ELECTRICAL BOX OR AIR PUMP
- GUY WIRE
- MONITORING WELL
- RIGHT-OF-WAY MARKER
- ROAD SIGN
- STORM SEWER GRATE
- GAS VALVE COVER
- UTILITY POLE
- UTILITY LINE BOX
- VEHICLE
- WATER METER BOX
- VALVE COVER
- FIRE HYDRANT
- CONCRETE ABUTMENT

EM61 DIFFERENTIAL RESPONSE (MILLIVOLTS)

-5000 -400 -200 -100 -90 -75 -50 -45 -100 -150 -200 -300 -400 -500 -750 -1000

Note: The contour plot shows the differential response between the bottom and top coils of the EM61 instrument in millivolts (mV). The differential response focuses on larger, buriedmetallic objects such as drums and USTs and ignores smaller miscellaneous, buried, metal debris. The EM61 data were collected on March 9, 2010 using a Geonics EM61 instrument. Ground penetrating radar (GPR) data were acquired on March 15, 2010 using a Geophysical Survey Systems SIR 2000 instrument with a 400 MHz antenna.

The geophysical investigation suggests that the surveyed portions of Parcels 6 & 7 do not contain metallic USTs.

GRAPHIC SCALE IN FEET

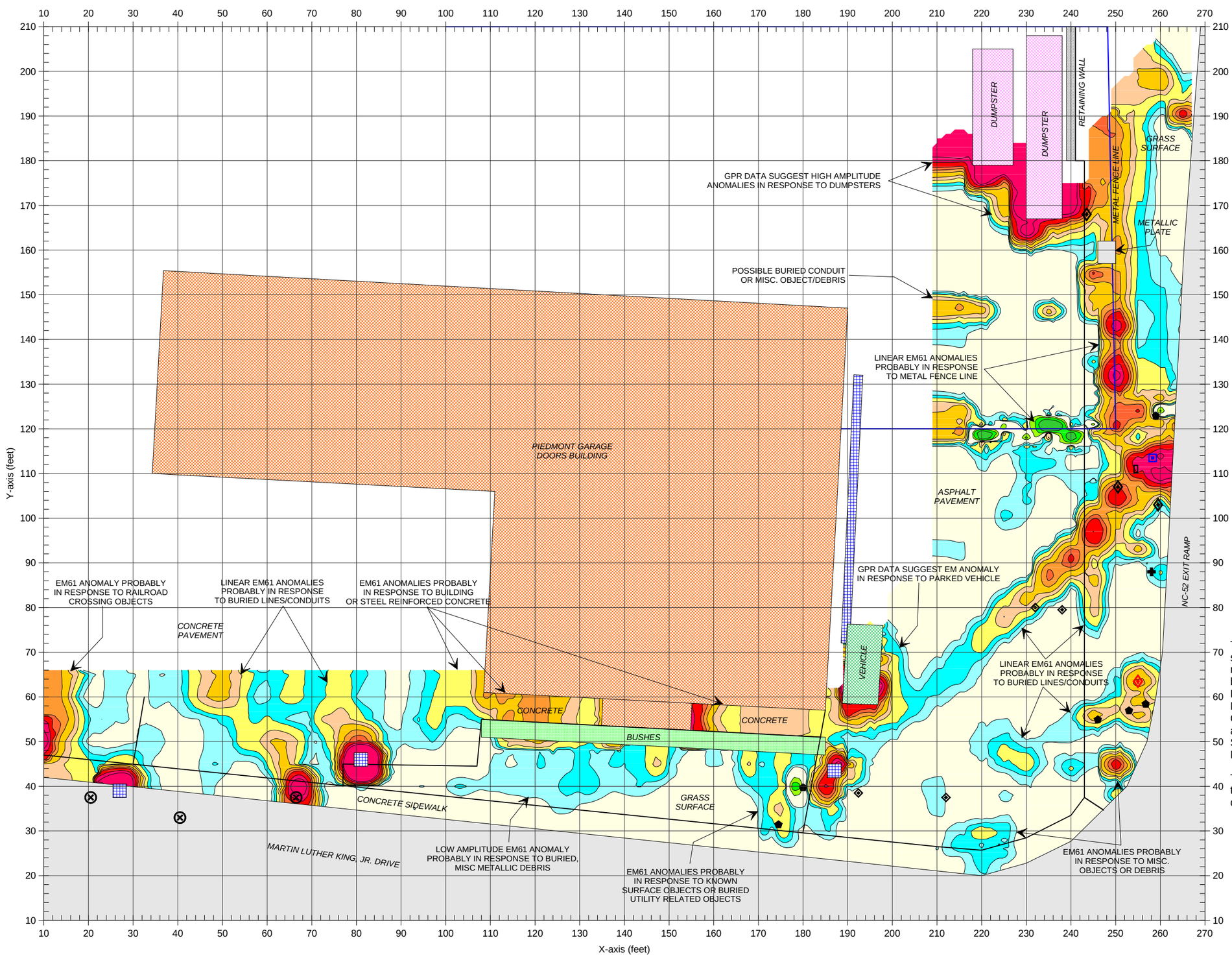
DRWN	CHKD		FIGURE
MJD			
DATE	LAY	DWG	J.NO.
03/25/10			2010-044

CLIENT: SOLUTIONS-IES
SITE: AMERICAN PAWN & BURGERBUSTERS PROPERTIES (PARCELS 7&6)
CITY: WINSTON-SALEM
STATE: NORTH CAROLINA
TITLE: GEOPHYSICAL RESULTS

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

FIGURE 5

EM61 METAL DETECTION (BOTTOM COIL RESULTS)



N
W E
S
APPROXIMATE NORTH

LEGEND

- SURVEY AREA: EM61 DATA ACQUIRED ALONG X-AXIS OR Y-AXIS TRENDING LINES SPACED 5 FEET APART
- BUILDING
- DUMPSTER
- FIRE HYDRANT
- GUY WIRE
- METAL FENCE LINE
- RIGHT-OF-WAY MARKER
- ROAD SIGN
- STORM SEWER GRATE
- STORM SEWER COVER
- UTILITY POLE
- UTILITY LINE BOX
- VEHICLE
- WATER METER BOX
- VALVE COVER

EM61 BOTTOM COIL RESPONSE (MILLIVOLTS)

-9000 -400 -200 -100 -50 -25 -10 10 25 50 100 200 400 800 2000 9000

The contour plot shows the bottom coil (most sensitive) response of the EM61 instrument in millivolts (mV). The bottom coil response shows buried metallic objects regardless of size. The EM metal detection data were collected on March 9, 2010 using a Geonics EM61instrument. Ground penetrating radar (GPR) data were acquired on March 15, 2010 using a Geophysical Survey Systems SIR 2000 instrument with a 400 MHz antenna.

The geophysical investigation suggests that the surveyed portion of Parcel 2 does not contain metallic USTs.

GRAPHIC SCALE IN FEET

CLIENT	SITE	CITY	TITLE
SOLUTIONS-IES	A & M REALTY COMPANY PROPERTY (PARCEL 2)	WINSTON-SALEM	GEOPHYSICAL RESULTS

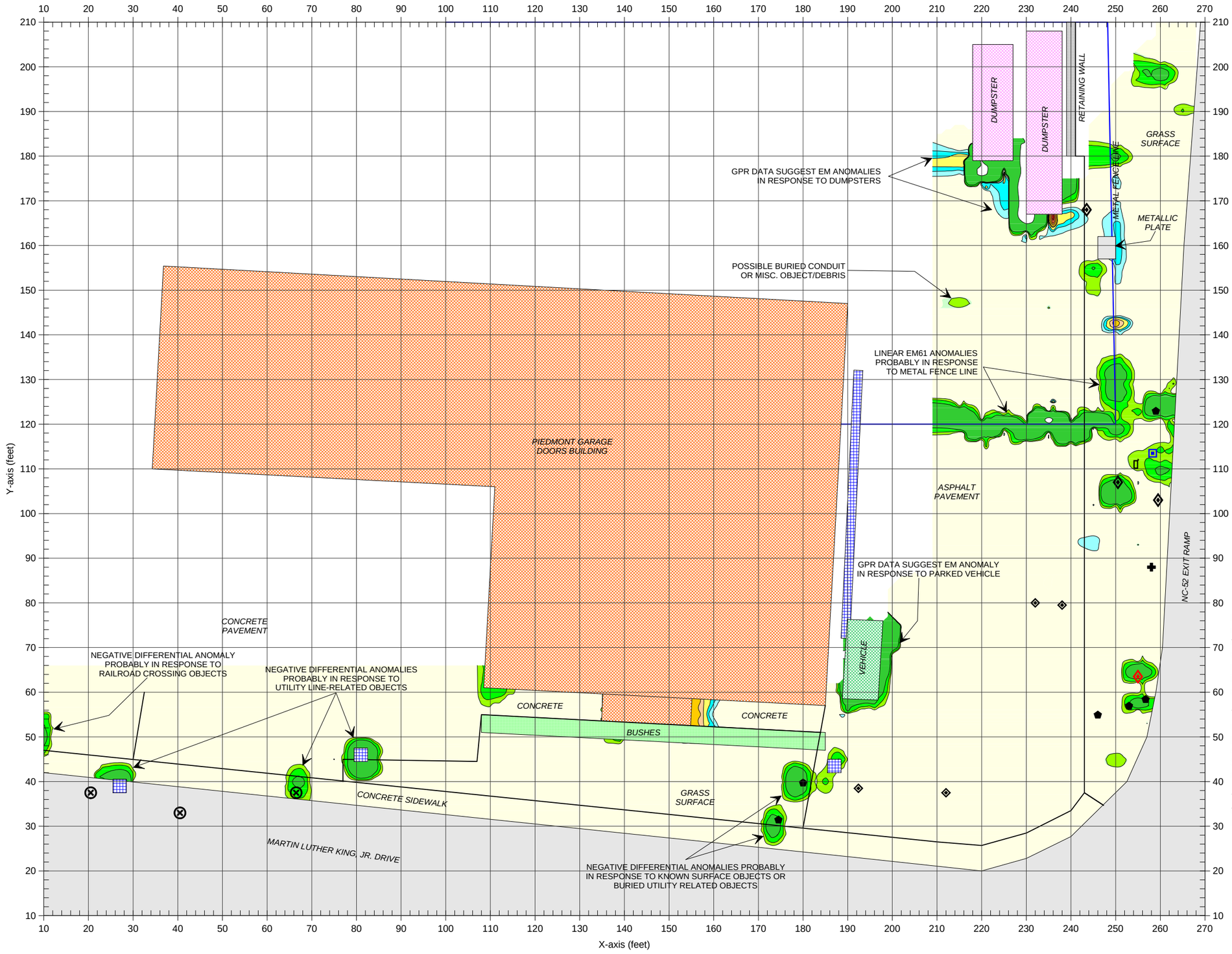
DRWN	CHKD		FIGURE
MJD			
DATE	LAY	DWG	J.-NO.
03/25/10			2010-044

STATE: NORTH CAROLINA

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

EM61 METAL DETECTION (DIFFERENTIAL RESULTS)

FIGURE 6



LEGEND

- SURVEY AREA: EM61 DATA ACQUIRED ALONG X-AXIS OR Y-AXIS TRENDING LINES SPACED 5 FEET APART
- BUILDING
- DUMPSTER
- FIRE HYDRANT
- GUY WIRE
- METAL FENCE LINE
- RIGHT-OF-WAY MARKER
- ROAD SIGN
- STORM SEWER GRATE
- STORM SEWER COVER
- UTILITY POLE
- UTILITY LINE BOX
- VEHICLE
- WATER METER BOX
- VALVE COVER

EM61 DIFFERENTIAL RESPONSE (MILLIVOLTS)

-9000 -400 -200 -100 -50 -25 0 25 50 75 100 150 200 300 400 600 750 1000

Note: The contour plot shows the differential response between the bottom and top coils of the EM61 instrument in millivolts (mV). The differential response focuses on larger, buried metallic objects such as drums and USTs and ignores smaller miscellaneous, buried, metal debris.

The EM61 data were collected on March 9, 2010 using a Geonics EM61 instrument. Ground penetrating radar (GPR) data were acquired on March 15, 2010 using a Geophysical Survey Systems SIR 2000 instrument with a 400 MHz antenna.

The geophysical investigation suggests that the surveyed portion of Parcel 2 does not contain metallic USTs.

GRAPHIC SCALE IN FEET

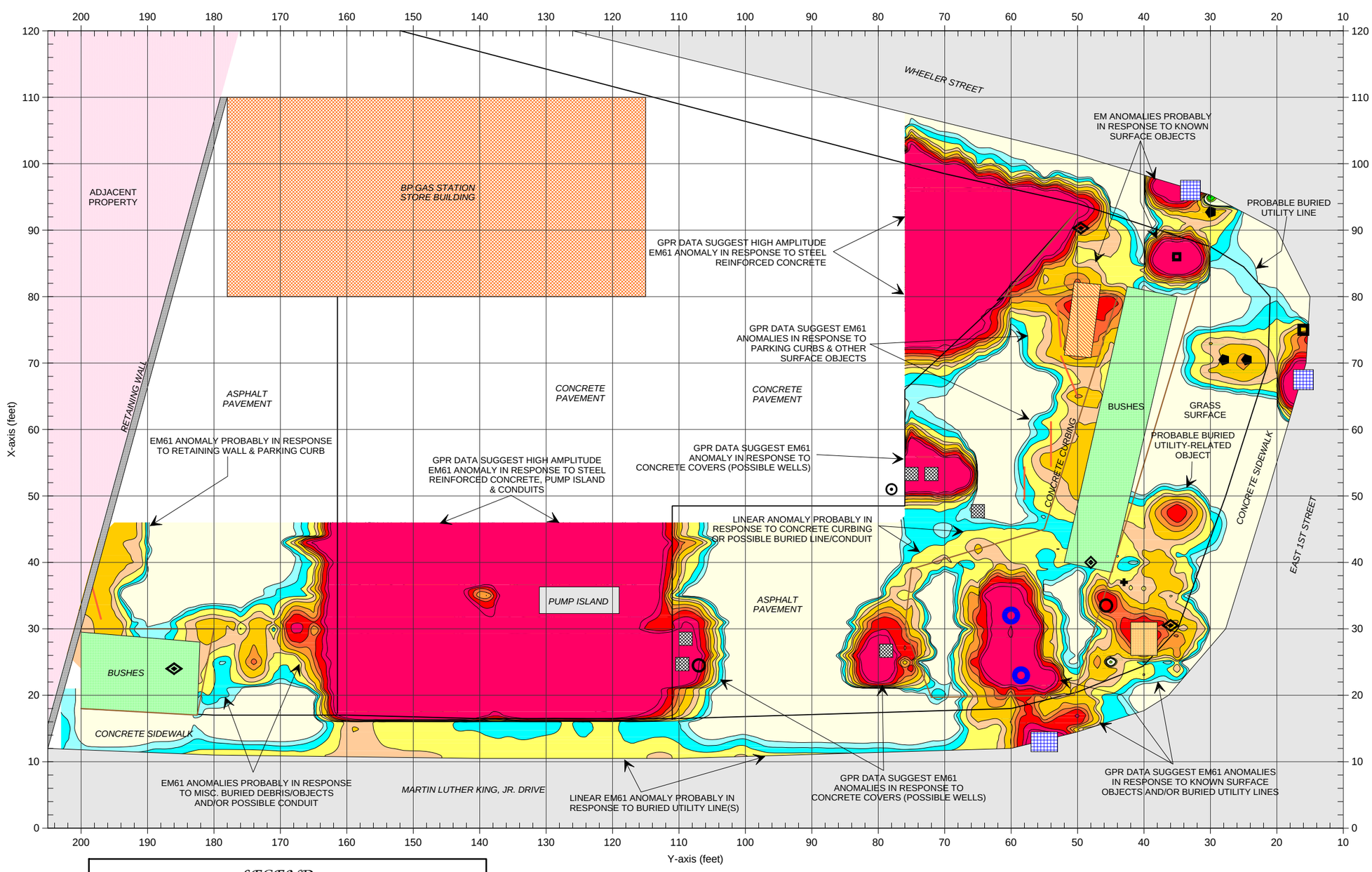
DRWN	CHKD		FIGURE
MJD			
DATE	LAY	DWG	J-NO.
03/25/10			2010-044

CLIENT: SOLUTIONS-IES
SITE: A & M REALTY COMPANY PROPERTY (PARCEL 2)
CITY: WINSTON-SALEM
STATE: NORTH CAROLINA
TITLE: GEOPHYSICAL RESULTS

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

EM61 METAL DETECTION (BOTTOM COIL RESULTS)

FIGURE 7



LEGEND

- SURVEY AREA: EM61 DATA ACQUIRED ALONG X-AXIS OR Y-AXIS TRENDING LINES SPACED 5 FEET APART
- BUILDING
- 4-INCH DIAMETER PIPES
- TELEPHONES & BOLLARDS
- BUSINESS SIGN POLE
- CONCRETE CURBING
- ELECTRICAL BOX OR AIR PUMP
- VALVE COVER
- GUY WIRE
- RIGHT-OF-WAY MARKER
- ROAD SIGN
- STORM SEWER GRATE
- UTILITY POLE
- UTILITY LINE BOX
- CONCRETE PATCH OR COVER (POSSIBLE ABANDONED WELL)
- CONCRETE PARKING CURB

APPROXIMATE NORTH

EM61 BOTTOM COIL RESPONSE (MILLIVOLTS)

-5000 -400 -200 -100 -80 -55 -60 -75 -100 -150 -200 -300 -400 -500 -750 -1000

The contour plot shows the bottom coil (most sensitive) response of the EM61 instrument in millivolts (mV). The bottom coil response shows buried metallic objects regardless of size. The EM metal detection data were collected on March 10, 2010 using a Geonics EM61 instrument. Ground penetrating radar (GPR) data were acquired on March 15, 2010 using a Geophysical Survey Systems SIR 2000 instrument with a 400 MHz antenna.

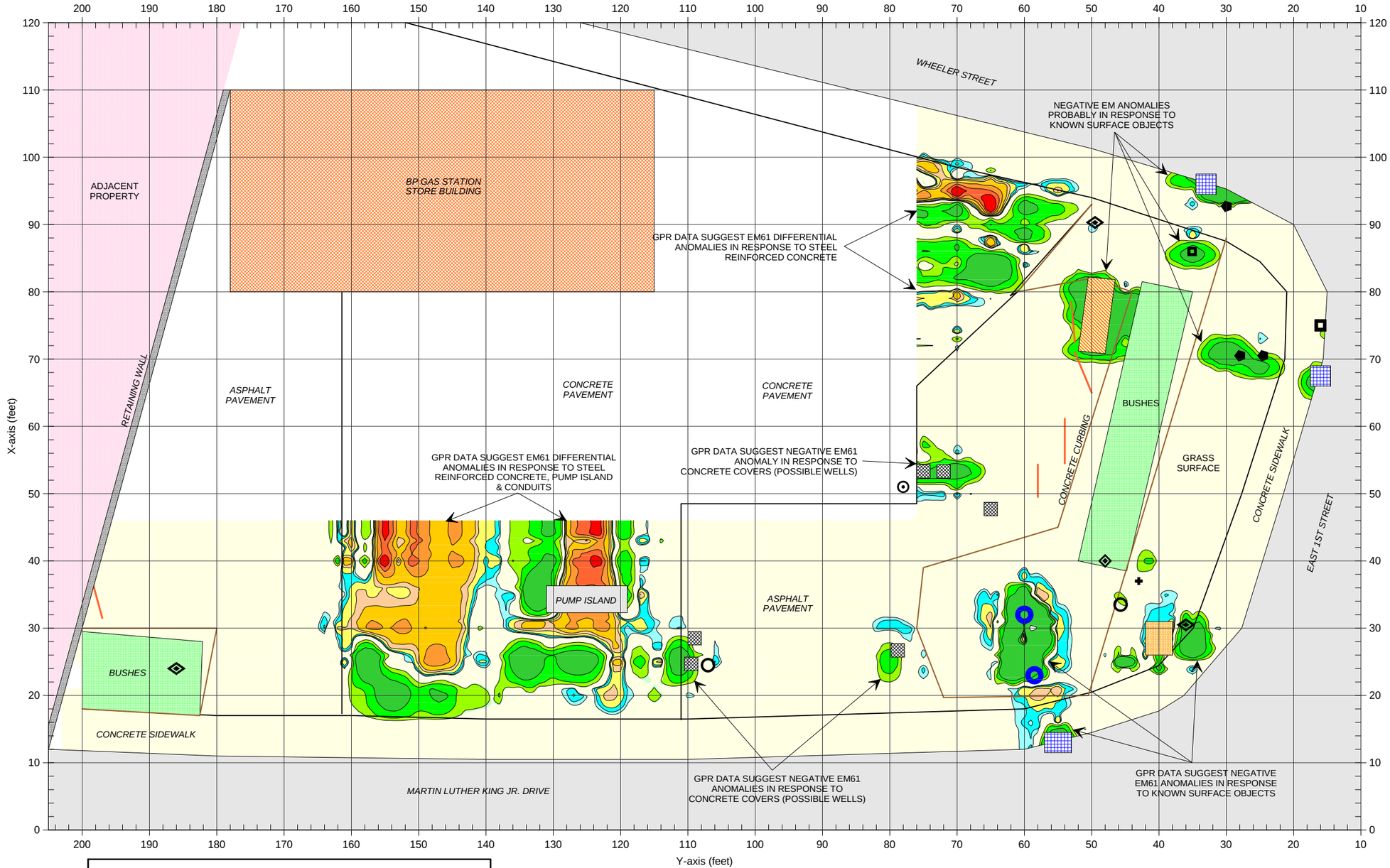
Excluding the active (known) USTs, the geophysical investigation suggests that the surveyed portions of Parcel 29 does not contain unknown metallic USTs.

GRAPHIC SCALE IN FEET

DRWN	CHKD		FIGURE
MJD			
DATE	LAY	DWG	J.-NO.
03/25/10			2010-044

CLIENT	SITE	CITY	STATE	TITLE
SOLUTIONS-IES	M. M. FOWLER PROPERTY - PARCEL 29	WINSTON-SALEM	NORTH CAROLINA	GEOPHYSICAL RESULTS

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.



LEGEND

- SURVEY AREA: EM61 DATA ACQUIRED ALONG X-AXIS OR Y-AXIS TRENDING LINES SPACED 5 FEET APART
- BUILDING
- 4-INCH DIAMETER PIPES
- TELEPHONES & BOLLARDS
- BUSINESS SIGN POLE
- CONCRETE CURBING
- ELECTRICAL BOX OR AIR PUMP
- VALVE COVER
- GUY WIRE
- RIGHT-OF-WAY MARKER
- ROAD SIGN
- STORM SEWER GRATE
- UTILITY POLE
- UTILITY LINE BOX
- CONCRETE PATCH OR COVER (POSSIBLE ABANDONED WELL)
- CONCRETE PARKING CURB

APPROXIMATE NORTH

EM61 DIFFERENTIAL RESPONSE (MILLIVOLTS)

-5000 -400 -200 -100 -90 -85 -80 -75 -100 -150 -200 -300 -400 -500 -750 -1000

Note: The contour plot shows the differential response between the bottom and top coils of the EM61 instrument in millivolts (mV). The differential response focuses on larger, buriedmetallic objects such as drums and USTs and ignores smaller miscellaneous, buried, metal debris. The EM61 data were collected on March 10, 2010 using a Geonics EM61 instrument. Ground penetrating radar (GPR) data were acquired on March 15, 2010 using a Geophysical Survey Systems SIR 2000 instrument with a 400 MHz antenna.

Excluding the active (known) USTs, the geophysical investigation suggests that the surveyed portions of Parcel 29 does not contain unknown metallic USTs.

EM61 METAL DETECTION (DIFFERENTIAL RESULTS)

FIGURE 8

GRAPHIC SCALE IN FEET

DRWN	CHKD		FIGURE
MJD			
DATE	LAY	DWG	J.NO.
03/25/10			2010-044

CLIENT: SOLUTIONS-IES
SITE: M. M. FOWLER PROPERTY - PARCEL 29
CITY: WINSTON-SALEM
STATE: NORTH CAROLINA
TITLE: GEOPHYSICAL RESULTS

PYRAMID ENVIRONMENTAL & ENGINEERING, P.C.

APPENDIX C

GPS COORDINATES

BORING LOCATION GPS COORDINATES
Meryl B. Mabe Property
3810 Leo Street
Winston-Salem, North Carolina
WBS Element: 34871.2.1; State Project:U-2826B

Boring Identification	Latitude	Longitude
M-1	36.13830521	-80.24030733
M-2	36.13838341	-80.24036122
M-3	36.13836522	-80.24037849
M-4	36.13845591	-80.24035309
M-5	36.1385389	-80.24037011

APPENDIX D

BORING LOGS

Log of Soil Boring: M-1

Project: 3944.10A3.NDOT
Client: NCDOT
WBS # 34871.2.1
State Project # U-2826B
Drilling Method: Geoprobe®
Sampler Type: Macro-Core®
Logged By: BE

Boring Number: M-1
Boring Date: 3/30/2010
Total Depth of Boring: 8' bgs
Initial Water Level: N/A
Stabilized Water Level: N/A
Cave In Depth: N/A
County: Forsyth

SUBSURFACE PROFILE			SAMPLE					
Depth ft. bgs	USCS Symbol	Description	Sample Interval	% Recovery	PID Field Screen ppm	FID Field Screen ppm	Lab Sample Depth	Well Data
		Ground Surface						
0		Black, Asphalt, Gravel fill						
1	CL	Red, dry, Sandy Clay		100%	NS	0.0		
2								
3					NS	0.0		
	SM	White, semi-moist, Silty Sand						
4	SM	White-Pink, semi-moist, Silty Sand						
	CL	Clay lens						
5	SM	White-Pink, semi-moist, Silty Sand		100%	NS	0.0		
6								
	CL	Clay lens			NS	0.0	M-1-6-8	
7	SM	White-Pink, semi-moist, Silty Sand						
8								
9								
10								
11								
12								
13		EOB 1420 TD 8' BGS						
14		Boring backfilled with soil clippings and bentonite. NR - No Recovery						
15								
16								

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Log of Soil Boring: M-2

Project: 3944.10A3.NDOT
Client: NCDOT
WBS # 34871.2.1
State Project # U-2826B
Drilling Method: Geoprobe®
Sampler Type: Macro-Core®
Logged By: BE

Boring Number: M-2
Boring Date: 3/30/2010
Total Depth of Boring: 8' bgs
Initial Water Level: N/A
Stabilized Water Level: N/A
Cave In Depth: N/A
County: Forsyth

SUBSURFACE PROFILE			SAMPLE					
Depth ft. bgs	USCS Symbol	Description	Sample Interval	% Recovery	PID Field Screen ppm	FID Field Screen ppm	Lab Sample Depth	Well Data
0		Ground Surface						
		Black, Asphalt Gravel fill						
1	CL	Red, Dry, Silty Clay		100%	NS	0.0		
2								
3					NS	0.3		
	SC	White, Dry, Clayey Sand						
	CL	Red, Moist, Silty Clay						
4	CL	Red, Moist, Silty Clay						
5	SM-SC	Brown-White, Clayey Silty Sand		100%	NS	0.0		
6								
7					NS	0.2	M-2-6-8	
8								
9								
10								
11								
12								
13		EOB 1435 TD 8' BGS						
14		Boring backfilled with soil clippings and bentonite. NR - No Recovery						
15								
16								

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Log of Soil Boring: M-3

Project: 3944.10A3.NDOT
Client: NCDOT
WBS # 34871.2.1
State Project # U-2826B
Drilling Method: Geoprobe®
Sampler Type: Macro-Core®
Logged By: BE

Boring Number: M-3
Boring Date: 3/30/2010
Total Depth of Boring: 8' bgs
Initial Water Level: N/A
Stabilized Water Level: N/A
Cave In Depth: N/A
County: Forsyth

SUBSURFACE PROFILE			SAMPLE					
Depth ft. bgs	USCS Symbol	Description	Sample Interval	% Recovery	PID Field Screen ppm	FID Field Screen ppm	Lab Sample Depth	Well Data
0		Ground Surface						
1		NR			NS	0.7		
2		Black-Gray, Dry, Sandy Gravel, Asphalt		60%				
3	CL	Brown, Moist, Silty Clay			NS	0.0		
4		NR						
5	CL	Red-Brown, Moist, Silty Clay with Gravel			NS	0.3		
6	SW	White, Dry, Clean Sand		85%			M-3-6-8	
7	SC	White-Pink-Red, Moist, Clayey Sand			NS	0.1		
8								
9								
10								
11								
12								
13		EOB 1458 TD 8' BGS						
14		Boring backfilled with soil clippings and bentonite. NR - No Recovery						
15								
16								

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Log of Soil Boring: M-4

Project: 3944.10A3.NDOT
Client: NCDOT
WBS # 34871.2.1
State Project # U-2826B
Drilling Method: Geoprobe®
Sampler Type: Macro-Core®
Logged By: BE

Boring Number: M-4
Boring Date: 3/30/2010
Total Depth of Boring: 8' bgs
Initial Water Level: N/A
Stabilized Water Level: N/A
Cave In Depth: N/A
County: Forsyth

SUBSURFACE PROFILE			SAMPLE					
Depth ft. bgs	USCS Symbol	Description	Sample Interval	% Recovery	PID Field Screen ppm	FID Field Screen ppm	Lab Sample Depth	Well Data
0		Ground Surface						
1		NR		50%	NS	0.5		
2		Black, Sandy Gravel, Asphalt						
3	CL	Red, Moist, Silty Clay			NS	0.9		
4								
5	CL	Red, Moist, Silty Clay			NS	0.9		
6				100%				
7	SC	Red-White-Pink, Moist, Clayey Sand			NS	0.0	M-4-6-8	
8								
9								
10								
11								
12								
13		EOB 1517 TD 8' BGS						
14		Boring backfilled with soil clippings and bentonite. NR - No Recovery						
15								
16								

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Log of Soil Boring: M-5

Project: 3944.10A3.NDOT
Client: NCDOT
WBS # 34871.2.1
State Project # U-2826B
Drilling Method: Geoprobe®
Sampler Type: Macro-Core®
Logged By: BE

Boring Number: M-5
Boring Date: 3/30/2010
Total Depth of Boring: 8' bgs
Initial Water Level: N/A
Stabilized Water Level: N/A
Cave In Depth: N/A
County: Forsyth

SUBSURFACE PROFILE			SAMPLE					
Depth ft. bgs	USCS Symbol	Description	Sample Interval	% Recovery	PID Field Screen ppm	FID Field Screen ppm	Lab Sample Depth	Well Data
0		Ground Surface						
		Black-Gray, Sandy Gravel, Asphalt						
1	CL	Red-Brown, Moist, Silty Clay		100%	NS	0.0		
2								
3					NS	0.0		
4	CL	Red-Brown, Moist, Silty Clay, some Gravel			NS	0.0		
5								
6	SC	Brown-Red, Dry, Silty Clayey Sand, some Gravel		100%	NS	0.0	M-5-6-8	
7								
8								
9								
10								
11								
12								
13		EOB 1535 TD 8' BGS						
14		Boring backfilled with soil clippings and bentonite. NR - No Recovery						
15								
16								

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APPENDIX E

LABORATORY ANALYTICAL REPORT

PRISM LABORATORIES, INC.

Case Narrative

Date:	04/19/10	**Client Project ID:**	NCDOT Forsyth Co. PSA-Parcel 2
Company:	N. C. Department of Transportation	**Prism COC Group No:**	G0410028
Contact:	Jodi Overmyer	**Collection Date(s):**	03/30/10
Address:	c/o Solution - IES	**Lab Submittal Date(s):**	03/31/10
	1101 Nowell Road		
	Raleigh, NC 27607	**Client Project Name Or No:**	U-2826-B WBS# 34871.2.1

This data package contains the analytical results for the project identified above and includes a Case Narrative, Laboratory Report and Quality Control Data totaling ~~104~~ 105 Reglprism pages. A chain-of-custody is also attached for the samples submitted to Prism for this project.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative. Quality control statements and/or sample specific remarks are included in the sample comments section of the laboratory report for each sample affected.

Semi Volatile Analysis

Analysis Note for Q49259 MS Di-n-octylphthalate: MS and MSD recovery outside the control limits.

Analysis note for Semi-Volatile Organics by GCMS: Laboratory report states Method as 8270C; however, samples were analyzed under 8270D method criteria.

Volatile Analysis

No Anomalies Reported

Metals Analysis

Analysis Note for Q49277 Method Blank Barium: MB is greater than the reporting limit, but all samples are greater than 10X the MB.

Analysis Note for Q49277 MS Cadmium: MS recovery outside of the control limits. Matrix interference is suspected.

Analysis Note for Q49277 MS Chromium: MS recovery outside of the control limits. Matrix interference is suspected.

Analysis Note for Q49277 MS Lead: MS and MSD recoveries outside control limits. Sample concentration too high for recovery evaluation.

Analysis Note for Q49277 MSD Cadmium: MSD recovery outside the control limits.

Analysis Note for Q49277 MSD Chromium: MSD recovery outside the control limits.

N/A

Wet Lab and Micro Analysis

N/A

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

Data Reviewed by:	Robbi A. Jones	**Project Manager:**	Angela D. Overcash
Signature:	Robbi A Jones	**Signature:**	
Review Date:	04/19/10	**Approval Date:**	04/19/10

Data Qualifiers Key Reference:

B: Compound also detected in the method blank.
#: Result outside of the QC limits.
DO: Compound diluted out.
E: Estimated concentration, calibration range exceeded.
J: The analyte was positively identified but the value is estimated below the reporting limit.
H: Estimated concentration with a high bias.
L: Estimated concentration with a low bias.

PRISM
LABORATORIES,INC.

Case Narrative

Date: 04/19/10
Company: N. C. Department of Transportation
Contact: Jodi Overmyer
Address: c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Client Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Prism COC Group No: G0410028
Collection Date(s): 03/30/10
Lab Submittal Date(s): 03/31/10

Client Project Name Or No: U-2826-B WBS# 34871.2.1

M: A matrix effect is present.

449 Springbrook Road, P.O. Box 240543, Charlotte NC 28224-0403
Phone: 704/529-6364 Toll Free: 800/529-6364 Fax: 704/525-0409

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735

Laboratory Report

04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-1-2-4
Prism Sample ID: 275456
COC Group: G0410028
Time Collected: 03/30/10 8:26
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	**86.8**	%			1	SM2540 G	04/05/10 13:30	jbrayton	
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	**BRL**	µg/kg	4.7	1.6	1	8260B	04/06/10 20:38	erussell	Q49229
1,1,1-Trichloroethane	**BRL**	µg/kg	4.7	1.1	1	8260B	04/06/10 20:38	erussell	Q49229
1,1,2,2-Tetrachloroethane	**BRL**	µg/kg	4.7	1.3	1	8260B	04/06/10 20:38	erussell	Q49229
1,1,2-Trichloroethane	**BRL**	µg/kg	4.7	1.3	1	8260B	04/06/10 20:38	erussell	Q49229
1,1-Dichloroethane	**BRL**	µg/kg	4.7	1.2	1	8260B	04/06/10 20:38	erussell	Q49229
1,1-Dichloroethene	**BRL**	µg/kg	4.7	1.1	1	8260B	04/06/10 20:38	erussell	Q49229
1,1-Dichloropropene	**BRL**	µg/kg	4.7	0.97	1	8260B	04/06/10 20:38	erussell	Q49229
1,2,3-Trichlorobenzene	**BRL**	µg/kg	9.4	1.5	1	8260B	04/06/10 20:38	erussell	Q49229
1,2,3-Trichloropropane	**BRL**	µg/kg	4.7	1.9	1	8260B	04/06/10 20:38	erussell	Q49229
1,2,4-Trichlorobenzene	**BRL**	µg/kg	9.4	1.3	1	8260B	04/06/10 20:38	erussell	Q49229
1,2,4-Trimethylbenzene	**BRL**	µg/kg	9.4	1.2	1	8260B	04/06/10 20:38	erussell	Q49229
1,2-Dibromo-3-chloropropane	**BRL**	µg/kg	4.7	1.7	1	8260B	04/06/10 20:38	erussell	Q49229
1,2-Dibromoethane (EDB)	**BRL**	µg/kg	4.7	1.3	1	8260B	04/06/10 20:38	erussell	Q49229
1,2-Dichlorobenzene	**BRL**	µg/kg	9.4	1.3	1	8260B	04/06/10 20:38	erussell	Q49229
1,2-Dichloroethane	**BRL**	µg/kg	4.7	1.2	1	8260B	04/06/10 20:38	erussell	Q49229
1,2-Dichloropropane	**BRL**	µg/kg	4.7	1.4	1	8260B	04/06/10 20:38	erussell	Q49229
1,3,5-Trimethylbenzene	**BRL**	µg/kg	9.4	1.2	1	8260B	04/06/10 20:38	erussell	Q49229
1,3-Dichlorobenzene	**BRL**	µg/kg	9.4	1.1	1	8260B	04/06/10 20:38	erussell	Q49229
1,3-Dichloropropane	**BRL**	µg/kg	4.7	0.96	1	8260B	04/06/10 20:38	erussell	Q49229
1,4-Dichlorobenzene	**BRL**	µg/kg	9.4	1.2	1	8260B	04/06/10 20:38	erussell	Q49229
2,2-Dichloropropane	**BRL**	µg/kg	4.7	1.1	1	8260B	04/06/10 20:38	erussell	Q49229
2-Chloroethyl vinyl ether	**BRL**	µg/kg	9.4	1.4	1	8260B	04/06/10 20:38	erussell	Q49229
2-Chlorotoluene	**BRL**	µg/kg	9.4	1.2	1	8260B	04/06/10 20:38	erussell	Q49229
2-Hexanone	**BRL**	µg/kg	47	1.4	1	8260B	04/06/10 20:38	erussell	Q49229

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Laboratory Report

04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-1-2-4
Prism Sample ID: 275456
COC Group: G0410028
Time Collected: 03/30/10 8:26
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	µg/kg	9.4	1.2	1	8260B	04/06/10 20:38	erussell	Q49229
4-Methyl-2-pentanone (MIBK)	BRL	µg/kg	9.4	1.0	1	8260B	04/06/10 20:38	erussell	Q49229
Acetone	35	µg/kg	19	2.0	1	8260B	04/06/10 20:38	erussell	Q49229
Benzene	BRL	µg/kg	2.8	1.2	1	8260B	04/06/10 20:38	erussell	Q49229
Bromobenzene	BRL	µg/kg	4.7	1.1	1	8260B	04/06/10 20:38	erussell	Q49229
Bromochloromethane	BRL	µg/kg	4.7	1.3	1	8260B	04/06/10 20:38	erussell	Q49229
Bromodichloromethane	BRL	µg/kg	4.7	1.1	1	8260B	04/06/10 20:38	erussell	Q49229
Bromoform	BRL	µg/kg	4.7	1.0	1	8260B	04/06/10 20:38	erussell	Q49229
Bromomethane	BRL	µg/kg	9.4	1.2	1	8260B	04/06/10 20:38	erussell	Q49229
Carbon disulfide	BRL	µg/kg	9.4	0.95	1	8260B	04/06/10 20:38	erussell	Q49229
Carbon tetrachloride	BRL	µg/kg	4.7	1.4	1	8260B	04/06/10 20:38	erussell	Q49229
Chlorobenzene	BRL	µg/kg	4.7	1.1	1	8260B	04/06/10 20:38	erussell	Q49229
Chlorodibromomethane	BRL	µg/kg	4.7	1.2	1	8260B	04/06/10 20:38	erussell	Q49229
Chloroethane	BRL	µg/kg	9.4	2.4	1	8260B	04/06/10 20:38	erussell	Q49229
Chloroform	BRL	µg/kg	4.7	1.2	1	8260B	04/06/10 20:38	erussell	Q49229
Chloromethane	BRL	µg/kg	9.4	1.1	1	8260B	04/06/10 20:38	erussell	Q49229
cis-1,2-Dichloroethene	BRL	µg/kg	4.7	1.1	1	8260B	04/06/10 20:38	erussell	Q49229
cis-1,3-Dichloropropene	BRL	µg/kg	4.7	1.1	1	8260B	04/06/10 20:38	erussell	Q49229
Dibromomethane	BRL	µg/kg	4.7	1.3	1	8260B	04/06/10 20:38	erussell	Q49229
Dichlorodifluoromethane	BRL	µg/kg	9.4	0.96	1	8260B	04/06/10 20:38	erussell	Q49229
Ethylbenzene	BRL	µg/kg	4.7	0.97	1	8260B	04/06/10 20:38	erussell	Q49229
Hexachlorobutadiene	BRL	µg/kg	14	1.1	1	8260B	04/06/10 20:38	erussell	Q49229
Isopropyl ether (IPE)	BRL	µg/kg	4.7	1.2	1	8260B	04/06/10 20:38	erussell	Q49229
Isopropylbenzene	BRL	µg/kg	9.4	1.0	1	8260B	04/06/10 20:38	erussell	Q49229
m,p-Xylenes	BRL	µg/kg	9.4	2.5	1	8260B	04/06/10 20:38	erussell	Q49229
Methyl ethyl ketone (MEK)	BRL	µg/kg	19	1.2	1	8260B	04/06/10 20:38	erussell	Q49229
Methyl t-butyl ether (MTBE)	BRL	µg/kg	4.7	0.97	1	8260B	04/06/10 20:38	erussell	Q49229

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Laboratory Report

04/19/10

N. C. Department of Transportation
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c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-1-2-4
Prism Sample ID: 275456
COC Group: G0410028
Time Collected: 03/30/10 8:26
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methylene chloride	BRL	µg/kg	9.4	1.2	1	8260B	04/06/10 20:38	erussell	Q49229
n-Butylbenzene	BRL	µg/kg	14	1.7	1	8260B	04/06/10 20:38	erussell	Q49229
n-Propylbenzene	BRL	µg/kg	9.4	1.3	1	8260B	04/06/10 20:38	erussell	Q49229
Naphthalene	BRL	µg/kg	4.7	2.5	1	8260B	04/06/10 20:38	erussell	Q49229
o-Xylene	BRL	µg/kg	4.7	1.0	1	8260B	04/06/10 20:38	erussell	Q49229
p-Isopropyltoluene	BRL	µg/kg	14	1.4	1	8260B	04/06/10 20:38	erussell	Q49229
sec-Butylbenzene	BRL	µg/kg	14	1.2	1	8260B	04/06/10 20:38	erussell	Q49229
Styrene	BRL	µg/kg	4.7	0.91	1	8260B	04/06/10 20:38	erussell	Q49229
tert-Butylbenzene	BRL	µg/kg	19	1.3	1	8260B	04/06/10 20:38	erussell	Q49229
Tetrachloroethene	BRL	µg/kg	9.4	1.2	1	8260B	04/06/10 20:38	erussell	Q49229
Toluene	BRL	µg/kg	4.7	1.1	1	8260B	04/06/10 20:38	erussell	Q49229
trans-1,2-Dichloroethene	BRL	µg/kg	4.7	0.93	1	8260B	04/06/10 20:38	erussell	Q49229
trans-1,3-Dichloropropene	BRL	µg/kg	4.7	0.94	1	8260B	04/06/10 20:38	erussell	Q49229
Trichloroethene	BRL	µg/kg	4.7	1.3	1	8260B	04/06/10 20:38	erussell	Q49229
Trichlorofluoromethane	BRL	µg/kg	4.7	1.3	1	8260B	04/06/10 20:38	erussell	Q49229
Vinyl chloride	BRL	µg/kg	9.4	1.2	1	8260B	04/06/10 20:38	erussell	Q49229

Surrogate	% Recovery	Control Limits
Toluene-d8	106	81 - 128
Dibromofluoromethane	105	67 - 143
Bromofluorobenzene	101	77 - 128

Sample Weight Determination

Weight Bisulfate 1	**6.41**	g			1	5035	04/06/10	lbrown	
Weight Bisulfate 2	**6.16**	g			1	5035	04/06/10	lbrown	
Weight Methanol	**5.81**	g			1	5035	04/06/10	lbrown	

Semi-volatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	BRL	µg/kg	380	42	1	8270C	04/07/10 20:37	cphilbrick	Q49259

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Client Sample ID: P2-1-2-4
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Time Collected: 03/30/10 8:26
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Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2-Dichlorobenzene	BRL	µg/kg	380	42	1	8270C	04/07/10 20:37	cphilbrick	Q49259
1,3-Dichlorobenzene	BRL	µg/kg	380	37	1	8270C	04/07/10 20:37	cphilbrick	Q49259
1,4-Dichlorobenzene	BRL	µg/kg	380	45	1	8270C	04/07/10 20:37	cphilbrick	Q49259
2,4,5-Trichlorophenol	BRL	µg/kg	380	45	1	8270C	04/07/10 20:37	cphilbrick	Q49259
2,4,6-Trichlorophenol	BRL	µg/kg	380	41	1	8270C	04/07/10 20:37	cphilbrick	Q49259
2,4-Dichlorophenol	BRL	µg/kg	380	25	1	8270C	04/07/10 20:37	cphilbrick	Q49259
2,4-Dimethylphenol	BRL	µg/kg	380	57	1	8270C	04/07/10 20:37	cphilbrick	Q49259
2,4-Dinitrophenol	BRL	µg/kg	380	110	1	8270C	04/07/10 20:37	cphilbrick	Q49259
2,4-Dinitrotoluene	BRL	µg/kg	380	50	1	8270C	04/07/10 20:37	cphilbrick	Q49259
2,6-Dinitrotoluene	BRL	µg/kg	380	69	1	8270C	04/07/10 20:37	cphilbrick	Q49259
2-Chloronaphthalene	BRL	µg/kg	380	48	1	8270C	04/07/10 20:37	cphilbrick	Q49259
2-Chlorophenol	BRL	µg/kg	380	16	1	8270C	04/07/10 20:37	cphilbrick	Q49259
2-Methylnaphthalene	BRL	µg/kg	380	43	1	8270C	04/07/10 20:37	cphilbrick	Q49259
2-Methylphenol	BRL	µg/kg	380	31	1	8270C	04/07/10 20:37	cphilbrick	Q49259
2-Nitrophenol	BRL	µg/kg	380	54	1	8270C	04/07/10 20:37	cphilbrick	Q49259
3&4-Methylphenol	BRL	µg/kg	380	45	1	8270C	04/07/10 20:37	cphilbrick	Q49259
3,3'-Dichlorobenzidine	BRL	µg/kg	380	69	1	8270C	04/07/10 20:37	cphilbrick	Q49259
4,6-Dinitro-2-methylphenol	BRL	µg/kg	380	33	1	8270C	04/07/10 20:37	cphilbrick	Q49259
4-Bromophenylphenylether	BRL	µg/kg	380	47	1	8270C	04/07/10 20:37	cphilbrick	Q49259
4-Chloro-3-methylphenol	BRL	µg/kg	380	45	1	8270C	04/07/10 20:37	cphilbrick	Q49259
4-Chlorophenylphenylether	BRL	µg/kg	380	48	1	8270C	04/07/10 20:37	cphilbrick	Q49259
4-Nitrophenol	BRL	µg/kg	380	49	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Acenaphthene	BRL	µg/kg	380	52	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Acenaphthylene	BRL	µg/kg	380	36	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Anthracene	150 J	µg/kg	380	28	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Benzo(a)anthracene	940	µg/kg	380	43	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Benzo(a)pyrene	1100	µg/kg	380	48	1	8270C	04/07/10 20:37	cphilbrick	Q49259

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Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-1-2-4
Prism Sample ID: 275456
COC Group: G0410028
Time Collected: 03/30/10 8:26
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Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Benzo(b)fluoranthene	1700	µg/kg	380	78	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Benzo(g,h,i)perylene	450	µg/kg	380	49	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Benzo(k)fluoranthene	720	µg/kg	380	100	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Bis(2-chloroethoxy)methane	BRL	µg/kg	380	64	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Bis(2-chloroethyl)ether	BRL	µg/kg	380	47	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Bis(2-chloroisopropyl)ether	BRL	µg/kg	380	38	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Bis(2-ethylhexyl)phthalate	BRL	µg/kg	380	29	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Butylbenzylphthalate	BRL	µg/kg	380	47	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Chrysene	990	µg/kg	380	26	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Di-n-butylphthalate	BRL	µg/kg	380	61	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Di-n-octylphthalate	BRL	µg/kg	380	110	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Dibenzo(a,h)anthracene	150 J	µg/kg	380	36	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Dibenzofuran	BRL	µg/kg	380	46	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Diethylphthalate	BRL	µg/kg	380	98	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Dimethylphthalate	BRL	µg/kg	380	56	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Fluoranthene	1700	µg/kg	380	67	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Fluorene	BRL	µg/kg	380	54	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Hexachlorobenzene	BRL	µg/kg	380	52	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Hexachlorobutadiene	BRL	µg/kg	380	38	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Hexachlorocyclopentadiene	BRL	µg/kg	380	57	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Hexachloroethane	BRL	µg/kg	380	16	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Indeno(1,2,3-cd)pyrene	610	µg/kg	380	36	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Isophorone	BRL	µg/kg	380	36	1	8270C	04/07/10 20:37	cphilbrick	Q49259
N-Nitrosodi-n-propylamine	BRL	µg/kg	380	22	1	8270C	04/07/10 20:37	cphilbrick	Q49259
N-Nitrosodiphenylamine	BRL	µg/kg	380	55	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Naphthalene	BRL	µg/kg	380	45	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Nitrobenzene	BRL	µg/kg	380	48	1	8270C	04/07/10 20:37	cphilbrick	Q49259

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Sample Matrix: Soil

Client Sample ID: P2-1-2-4
Prism Sample ID: 275456
COC Group: G0410028
Time Collected: 03/30/10 8:26
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Pentachlorophenol	**BRL**	µg/kg	380	58	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Phenanthrene	**890**	µg/kg	380	32	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Phenol	**BRL**	µg/kg	380	67	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Pyrene	**1600**	µg/kg	380	73	1	8270C	04/07/10 20:37	cphilbrick	Q49259
Sample Preparation:			29.96 g	/	1 mL	3550B	04/06/10 13:30	aguptill	P27199

Surrogate	% Recovery	Control Limits
Terphenyl-d14	113	41 - 136
Phenol-d5	84	13 - 95
Nitrobenzene-d5	79	14 - 103
2-Fluorophenol	84	14 - 89
2-Fluorobiphenyl	91	21 - 108
2,4,6-Tribromophenol	95	25 - 123

Diesel Range Organics (DRO) by GC-FID

Diesel Range Organics (DRO)	**43**	mg/kg	8.1	1.3	1	8015B	04/09/10 8:15	jvogel	Q49287
Sample Preparation:			24.97 g	/	1 mL	3545	04/07/10 17:00	athao	P27216

Surrogate	% Recovery	Control Limits
o-Terphenyl	81	49 - 124

Sample Weight Determination

Weight 1	**6.31**	g			1	GRO	04/06/10 0:00	lbrown
Weight 2	**5.51**	g			1	GRO	04/06/10 0:00	lbrown

Gasoline Range Organics (GRO) by GC-FID

Gasoline Range Organics (GRO)	**BRL**	mg/kg	5.8	3.6	50	8015B	04/08/10 3:12	heasler	Q49290

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c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-1-2-4
Prism Sample ID: 275456
COC Group: G0410028
Time Collected: 03/30/10 8:26
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Surrogate							**% Recovery**		**Control Limits**
aaa-TFT							96		55 - 129
Mercury by CVAA									
Mercury	**0.22**	mg/kg	0.023	0.0016	1	7471A	04/09/10 15:11	kpowers	Q49336
Sample Preparation:				0.6 g /	30 mL	7471A	04/09/10 8:20	kpowers	P27230
Metals by ICP									
Arsenic	**4.4**	mg/kg	0.58	0.065	1	6010B	04/08/10 23:57	pfitzgerald	Q49277
Barium	**160**	mg/kg	2.9	0.43	5	6010B	04/13/10 23:58	dsullivan	Q49277
Cadmium	**2.8**	mg/kg	0.29	0.031	1	6010B	04/08/10 23:57	pfitzgerald	Q49277
Chromium	**31**	mg/kg	0.29	0.040	1	6010B	04/08/10 23:57	pfitzgerald	Q49277
Lead	**530**	mg/kg	1.4	0.36	5	6010B	04/13/10 23:58	dsullivan	Q49277
Selenium	**1.2 J**	mg/kg	2.9	0.58	5	6010B	04/13/10 23:58	dsullivan	Q49277
Silver	**BRL**	mg/kg	0.29	0.029	1	6010B	04/08/10 23:57	pfitzgerald	Q49277
Sample Preparation:				2.03 g /	50 mL	3050B	04/07/10 9:15	jbrayton	P27212

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543

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

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NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735

Laboratory Report

04/19/10

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Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-2-2-4
Prism Sample ID: 275457
COC Group: G0410028
Time Collected: 03/30/10 8:46
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	**69.5**	%			1	SM2540 G	04/05/10 13:30	jbrayton	
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	**BRL**	µg/kg	5.2	1.7	1	8260B	04/06/10 17:51	erussell	Q49229
1,1,1-Trichloroethane	**BRL**	µg/kg	5.2	1.2	1	8260B	04/06/10 17:51	erussell	Q49229
1,1,2,2-Tetrachloroethane	**BRL**	µg/kg	5.2	1.4	1	8260B	04/06/10 17:51	erussell	Q49229
1,1,2-Trichloroethane	**BRL**	µg/kg	5.2	1.5	1	8260B	04/06/10 17:51	erussell	Q49229
1,1-Dichloroethane	**BRL**	µg/kg	5.2	1.3	1	8260B	04/06/10 17:51	erussell	Q49229
1,1-Dichloroethene	**BRL**	µg/kg	5.2	1.2	1	8260B	04/06/10 17:51	erussell	Q49229
1,1-Dichloropropene	**BRL**	µg/kg	5.2	1.1	1	8260B	04/06/10 17:51	erussell	Q49229
1,2,3-Trichlorobenzene	**BRL**	µg/kg	10	1.7	1	8260B	04/06/10 17:51	erussell	Q49229
1,2,3-Trichloropropane	**BRL**	µg/kg	5.2	2.2	1	8260B	04/06/10 17:51	erussell	Q49229
1,2,4-Trichlorobenzene	**BRL**	µg/kg	10	1.4	1	8260B	04/06/10 17:51	erussell	Q49229
1,2,4-Trimethylbenzene	**BRL**	µg/kg	10	1.3	1	8260B	04/06/10 17:51	erussell	Q49229
1,2-Dibromo-3-chloropropane	**BRL**	µg/kg	5.2	1.9	1	8260B	04/06/10 17:51	erussell	Q49229
1,2-Dibromoethane (EDB)	**BRL**	µg/kg	5.2	1.4	1	8260B	04/06/10 17:51	erussell	Q49229
1,2-Dichlorobenzene	**BRL**	µg/kg	10	1.4	1	8260B	04/06/10 17:51	erussell	Q49229
1,2-Dichloroethane	**BRL**	µg/kg	5.2	1.4	1	8260B	04/06/10 17:51	erussell	Q49229
1,2-Dichloropropane	**BRL**	µg/kg	5.2	1.5	1	8260B	04/06/10 17:51	erussell	Q49229
1,3,5-Trimethylbenzene	**BRL**	µg/kg	10	1.4	1	8260B	04/06/10 17:51	erussell	Q49229
1,3-Dichlorobenzene	**BRL**	µg/kg	10	1.2	1	8260B	04/06/10 17:51	erussell	Q49229
1,3-Dichloropropane	**BRL**	µg/kg	5.2	1.1	1	8260B	04/06/10 17:51	erussell	Q49229
1,4-Dichlorobenzene	**BRL**	µg/kg	10	1.3	1	8260B	04/06/10 17:51	erussell	Q49229
2,2-Dichloropropane	**BRL**	µg/kg	5.2	1.2	1	8260B	04/06/10 17:51	erussell	Q49229
2-Chloroethyl vinyl ether	**BRL**	µg/kg	10	1.5	1	8260B	04/06/10 17:51	erussell	Q49229
2-Chlorotoluene	**BRL**	µg/kg	10	1.3	1	8260B	04/06/10 17:51	erussell	Q49229
2-Hexanone	**BRL**	µg/kg	52	1.6	1	8260B	04/06/10 17:51	erussell	Q49229

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Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-2-2-4
Prism Sample ID: 275457
COC Group: G0410028
Time Collected: 03/30/10 8:46
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	µg/kg	10	1.3	1	8260B	04/06/10 17:51	erussell	Q49229
4-Methyl-2-pentanone (MIBK)	BRL	µg/kg	10	1.1	1	8260B	04/06/10 17:51	erussell	Q49229
Acetone	33	µg/kg	21	2.3	1	8260B	04/06/10 17:51	erussell	Q49229
Benzene	BRL	µg/kg	3.1	1.4	1	8260B	04/06/10 17:51	erussell	Q49229
Bromobenzene	BRL	µg/kg	5.2	1.3	1	8260B	04/06/10 17:51	erussell	Q49229
Bromochloromethane	BRL	µg/kg	5.2	1.4	1	8260B	04/06/10 17:51	erussell	Q49229
Bromodichloromethane	BRL	µg/kg	5.2	1.2	1	8260B	04/06/10 17:51	erussell	Q49229
Bromoform	BRL	µg/kg	5.2	1.1	1	8260B	04/06/10 17:51	erussell	Q49229
Bromomethane	BRL	µg/kg	10	1.3	1	8260B	04/06/10 17:51	erussell	Q49229
Carbon disulfide	BRL	µg/kg	10	1.1	1	8260B	04/06/10 17:51	erussell	Q49229
Carbon tetrachloride	BRL	µg/kg	5.2	1.5	1	8260B	04/06/10 17:51	erussell	Q49229
Chlorobenzene	BRL	µg/kg	5.2	1.2	1	8260B	04/06/10 17:51	erussell	Q49229
Chlorodibromomethane	BRL	µg/kg	5.2	1.3	1	8260B	04/06/10 17:51	erussell	Q49229
Chloroethane	BRL	µg/kg	10	2.7	1	8260B	04/06/10 17:51	erussell	Q49229
Chloroform	BRL	µg/kg	5.2	1.3	1	8260B	04/06/10 17:51	erussell	Q49229
Chloromethane	BRL	µg/kg	10	1.2	1	8260B	04/06/10 17:51	erussell	Q49229
cis-1,2-Dichloroethene	18	µg/kg	5.2	1.2	1	8260B	04/06/10 17:51	erussell	Q49229
cis-1,3-Dichloropropene	BRL	µg/kg	5.2	1.2	1	8260B	04/06/10 17:51	erussell	Q49229
Dibromomethane	BRL	µg/kg	5.2	1.5	1	8260B	04/06/10 17:51	erussell	Q49229
Dichlorodifluoromethane	BRL	µg/kg	10	1.1	1	8260B	04/06/10 17:51	erussell	Q49229
Ethylbenzene	BRL	µg/kg	5.2	1.1	1	8260B	04/06/10 17:51	erussell	Q49229
Hexachlorobutadiene	BRL	µg/kg	16	1.2	1	8260B	04/06/10 17:51	erussell	Q49229
Isopropyl ether (IPE)	BRL	µg/kg	5.2	1.3	1	8260B	04/06/10 17:51	erussell	Q49229
Isopropylbenzene	BRL	µg/kg	10	1.2	1	8260B	04/06/10 17:51	erussell	Q49229
m,p-Xylenes	BRL	µg/kg	10	2.8	1	8260B	04/06/10 17:51	erussell	Q49229
Methyl ethyl ketone (MEK)	BRL	µg/kg	21	1.3	1	8260B	04/06/10 17:51	erussell	Q49229
Methyl t-butyl ether (MTBE)	BRL	µg/kg	5.2	1.1	1	8260B	04/06/10 17:51	erussell	Q49229

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Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-2-2-4
Prism Sample ID: 275457
COC Group: G0410028
Time Collected: 03/30/10 8:46
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methylene chloride	**BRL**	µg/kg	10	1.4	1	8260B	04/06/10 17:51	erussell	Q49229
n-Butylbenzene	**BRL**	µg/kg	16	1.9	1	8260B	04/06/10 17:51	erussell	Q49229
n-Propylbenzene	**BRL**	µg/kg	10	1.5	1	8260B	04/06/10 17:51	erussell	Q49229
Naphthalene	**BRL**	µg/kg	5.2	2.8	1	8260B	04/06/10 17:51	erussell	Q49229
o-Xylene	**BRL**	µg/kg	5.2	1.2	1	8260B	04/06/10 17:51	erussell	Q49229
p-Isopropyltoluene	**BRL**	µg/kg	16	1.5	1	8260B	04/06/10 17:51	erussell	Q49229
sec-Butylbenzene	**BRL**	µg/kg	16	1.4	1	8260B	04/06/10 17:51	erussell	Q49229
Styrene	**BRL**	µg/kg	5.2	1.0	1	8260B	04/06/10 17:51	erussell	Q49229
tert-Butylbenzene	**BRL**	µg/kg	21	1.4	1	8260B	04/06/10 17:51	erussell	Q49229
Tetrachloroethene	**BRL**	µg/kg	10	1.3	1	8260B	04/06/10 17:51	erussell	Q49229
Toluene	**BRL**	µg/kg	5.2	1.3	1	8260B	04/06/10 17:51	erussell	Q49229
trans-1,2-Dichloroethene	**BRL**	µg/kg	5.2	1.0	1	8260B	04/06/10 17:51	erussell	Q49229
trans-1,3-Dichloropropene	**BRL**	µg/kg	5.2	1.0	1	8260B	04/06/10 17:51	erussell	Q49229
Trichloroethene	**38**	µg/kg	5.2	1.5	1	8260B	04/06/10 17:51	erussell	Q49229
Trichlorofluoromethane	**BRL**	µg/kg	5.2	1.5	1	8260B	04/06/10 17:51	erussell	Q49229
Vinyl chloride	**BRL**	µg/kg	10	1.4	1	8260B	04/06/10 17:51	erussell	Q49229

Surrogate	% Recovery	Control Limits
Toluene-d8	106	81 - 128
Dibromofluoromethane	105	67 - 143
Bromofluorobenzene	102	77 - 128

Sample Weight Determination

Weight Bisulfate 1	**6.92**	g			1	5035	04/06/10	lbrown
Weight Bisulfate 2	**6.35**	g			1	5035	04/06/10	lbrown
Weight Methanol	**6.36**	g			1	5035	04/06/10	lbrown

Semi-volatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	**BRL**	µg/kg	470	52	1	8270C	04/08/10 16:52	cphilbrick	Q49259

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Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2-Dichlorobenzene	BRL	µg/kg	470	52	1	8270C	04/08/10 16:52	cphilbrick	Q49259
1,3-Dichlorobenzene	BRL	µg/kg	470	46	1	8270C	04/08/10 16:52	cphilbrick	Q49259
1,4-Dichlorobenzene	BRL	µg/kg	470	56	1	8270C	04/08/10 16:52	cphilbrick	Q49259
2,4,5-Trichlorophenol	BRL	µg/kg	470	56	1	8270C	04/08/10 16:52	cphilbrick	Q49259
2,4,6-Trichlorophenol	BRL	µg/kg	470	51	1	8270C	04/08/10 16:52	cphilbrick	Q49259
2,4-Dichlorophenol	BRL	µg/kg	470	31	1	8270C	04/08/10 16:52	cphilbrick	Q49259
2,4-Dimethylphenol	BRL	µg/kg	470	70	1	8270C	04/08/10 16:52	cphilbrick	Q49259
2,4-Dinitrophenol	BRL	µg/kg	470	140	1	8270C	04/08/10 16:52	cphilbrick	Q49259
2,4-Dinitrotoluene	BRL	µg/kg	470	62	1	8270C	04/08/10 16:52	cphilbrick	Q49259
2,6-Dinitrotoluene	BRL	µg/kg	470	85	1	8270C	04/08/10 16:52	cphilbrick	Q49259
2-Chloronaphthalene	BRL	µg/kg	470	59	1	8270C	04/08/10 16:52	cphilbrick	Q49259
2-Chlorophenol	BRL	µg/kg	470	20	1	8270C	04/08/10 16:52	cphilbrick	Q49259
2-Methylnaphthalene	BRL	µg/kg	470	53	1	8270C	04/08/10 16:52	cphilbrick	Q49259
2-Methylphenol	BRL	µg/kg	470	38	1	8270C	04/08/10 16:52	cphilbrick	Q49259
2-Nitrophenol	BRL	µg/kg	470	66	1	8270C	04/08/10 16:52	cphilbrick	Q49259
3&4-Methylphenol	BRL	µg/kg	470	55	1	8270C	04/08/10 16:52	cphilbrick	Q49259
3,3´-Dichlorobenzidine	BRL	µg/kg	470	85	1	8270C	04/08/10 16:52	cphilbrick	Q49259
4,6-Dinitro-2-methylphenol	BRL	µg/kg	470	40	1	8270C	04/08/10 16:52	cphilbrick	Q49259
4-Bromophenylphenylether	BRL	µg/kg	470	59	1	8270C	04/08/10 16:52	cphilbrick	Q49259
4-Chloro-3-methylphenol	BRL	µg/kg	470	56	1	8270C	04/08/10 16:52	cphilbrick	Q49259
4-Chlorophenylphenylether	BRL	µg/kg	470	59	1	8270C	04/08/10 16:52	cphilbrick	Q49259
4-Nitrophenol	BRL	µg/kg	470	60	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Acenaphthene	BRL	µg/kg	470	64	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Acenaphthylene	BRL	µg/kg	470	44	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Anthracene	BRL	µg/kg	470	34	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Benzo(a)anthracene	BRL	µg/kg	470	53	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Benzo(a)pyrene	BRL	µg/kg	470	59	1	8270C	04/08/10 16:52	cphilbrick	Q49259

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Benzo(b)fluoranthene	BRL	µg/kg	470	96	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Benzo(g,h,i)perylene	BRL	µg/kg	470	60	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Benzo(k)fluoranthene	BRL	µg/kg	470	130	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Bis(2-chloroethoxy)methane	BRL	µg/kg	470	79	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Bis(2-chloroethyl)ether	BRL	µg/kg	470	58	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Bis(2-chloroisopropyl)ether	BRL	µg/kg	470	47	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Bis(2-ethylhexyl)phthalate	BRL	µg/kg	470	36	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Butylbenzylphthalate	BRL	µg/kg	470	58	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Chrysene	BRL	µg/kg	470	32	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Di-n-butylphthalate	BRL	µg/kg	470	75	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Di-n-octylphthalate	BRL	µg/kg	470	140	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Dibenzo(a,h)anthracene	BRL	µg/kg	470	44	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Dibenzofuran	BRL	µg/kg	470	57	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Diethylphthalate	BRL	µg/kg	470	120	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Dimethylphthalate	BRL	µg/kg	470	70	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Fluoranthene	BRL	µg/kg	470	83	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Fluorene	BRL	µg/kg	470	67	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Hexachlorobenzene	BRL	µg/kg	470	65	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Hexachlorobutadiene	BRL	µg/kg	470	47	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Hexachlorocyclopentadiene	BRL	µg/kg	470	70	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Hexachloroethane	BRL	µg/kg	470	19	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Indeno(1,2,3-cd)pyrene	BRL	µg/kg	470	45	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Isophorone	BRL	µg/kg	470	45	1	8270C	04/08/10 16:52	cphilbrick	Q49259
N-Nitrosodi-n-propylamine	BRL	µg/kg	470	27	1	8270C	04/08/10 16:52	cphilbrick	Q49259
N-Nitrosodiphenylamine	BRL	µg/kg	470	68	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Naphthalene	BRL	µg/kg	470	56	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Nitrobenzene	BRL	µg/kg	470	59	1	8270C	04/08/10 16:52	cphilbrick	Q49259

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Prism Sample ID: 275457
COC Group: G0410028
Time Collected: 03/30/10 8:46
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Pentachlorophenol	**BRL**	µg/kg	470	72	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Phenanthrene	**BRL**	µg/kg	470	40	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Phenol	**BRL**	µg/kg	470	83	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Pyrene	**BRL**	µg/kg	470	90	1	8270C	04/08/10 16:52	cphilbrick	Q49259
Sample Preparation:			30.28 g	/	1 mL	3550B	04/06/10 13:30	aguptill	P27199

Surrogate	% Recovery	Control Limits
Terphenyl-d14	100	41 - 136
Phenol-d5	56	13 - 95
Nitrobenzene-d5	56	14 - 103
2-Fluorophenol	57	14 - 89
2-Fluorobiphenyl	64	21 - 108
2,4,6-Tribromophenol	61	25 - 123

Diesel Range Organics (DRO) by GC-FID

Diesel Range Organics (DRO)	**39**	mg/kg	10	1.6	1	8015B	04/09/10 2:57	jvogel	Q49287
Sample Preparation:			25.18 g	/	1 mL	3545	04/07/10 17:00	athao	P27216

Surrogate	% Recovery	Control Limits
o-Terphenyl	88	49 - 124

Sample Weight Determination

Weight 1	**6.37**	g			1	GRO	04/06/10 0:00	lbrown	
Weight 2	**6.09**	g			1	GRO	04/06/10 0:00	lbrown	

Gasoline Range Organics (GRO) by GC-FID

Gasoline Range Organics (GRO)	**BRL**	mg/kg	7.2	4.5	50	8015B	04/08/10 3:43	heasler	Q49290

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NC Drinking Water Cert. No. 37735

Laboratory Report

04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-2-2-4
Prism Sample ID: 275457
COC Group: G0410028
Time Collected: 03/30/10 8:46
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID

Surrogate recovery was outside the control limits. No target compounds were detected in this sample that were associated with this surrogate. No further action was taken.

Surrogate	% Recovery	Control Limits
aaa-TFT	230 #	55 - 129

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Mercury by CVAA									
Mercury	**1.1**	mg/kg	0.029	0.0020	1	7471A	04/09/10 15:15	kpowers	Q49336
Sample Preparation:				0.6 g /	30 mL	7471A	04/09/10 8:20	kpowers	P27230
Metals by ICP									
Arsenic	**12**	mg/kg	0.72	0.081	1	6010B	04/09/10 0:19	pfitzgerald	Q49277
Barium	**130**	mg/kg	3.6	0.53	5	6010B	04/14/10 0:20	dsullivan	Q49277
Cadmium	**2.9**	mg/kg	0.36	0.038	1	6010B	04/09/10 0:19	pfitzgerald	Q49277
Chromium	**31**	mg/kg	0.36	0.049	1	6010B	04/09/10 0:19	pfitzgerald	Q49277
Lead	**260**	mg/kg	1.8	0.44	5	6010B	04/14/10 0:20	dsullivan	Q49277
Selenium	**BRL**	mg/kg	3.6	0.73	5	6010B	04/14/10 0:20	dsullivan	Q49277
Silver	**BRL**	mg/kg	0.36	0.037	1	6010B	04/09/10 0:19	pfitzgerald	Q49277
Sample Preparation:				2.03 g /	50 mL	3050B	04/07/10 9:15	jbrayton	P27212

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services

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Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-3-2-4
Prism Sample ID: 275458
COC Group: G0410028
Time Collected: 03/30/10 9:20
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	**74.8**	%			1	SM2540 G	04/05/10 13:30	jbrayton	
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	**BRL**	µg/kg	6.8	2.2	1	8260B	04/06/10 17:18	erussell	Q49229
1,1,1-Trichloroethane	**BRL**	µg/kg	6.8	1.6	1	8260B	04/06/10 17:18	erussell	Q49229
1,1,2,2-Tetrachloroethane	**BRL**	µg/kg	6.8	1.9	1	8260B	04/06/10 17:18	erussell	Q49229
1,1,2-Trichloroethane	**BRL**	µg/kg	6.8	1.9	1	8260B	04/06/10 17:18	erussell	Q49229
1,1-Dichloroethane	**BRL**	µg/kg	6.8	1.7	1	8260B	04/06/10 17:18	erussell	Q49229
1,1-Dichloroethene	**BRL**	µg/kg	6.8	1.6	1	8260B	04/06/10 17:18	erussell	Q49229
1,1-Dichloropropene	**BRL**	µg/kg	6.8	1.4	1	8260B	04/06/10 17:18	erussell	Q49229
1,2,3-Trichlorobenzene	**BRL**	µg/kg	14	2.2	1	8260B	04/06/10 17:18	erussell	Q49229
1,2,3-Trichloropropane	**BRL**	µg/kg	6.8	2.8	1	8260B	04/06/10 17:18	erussell	Q49229
1,2,4-Trichlorobenzene	**BRL**	µg/kg	14	1.8	1	8260B	04/06/10 17:18	erussell	Q49229
1,2,4-Trimethylbenzene	**BRL**	µg/kg	14	1.7	1	8260B	04/06/10 17:18	erussell	Q49229
1,2-Dibromo-3-chloropropane	**BRL**	µg/kg	6.8	2.4	1	8260B	04/06/10 17:18	erussell	Q49229
1,2-Dibromoethane (EDB)	**BRL**	µg/kg	6.8	1.9	1	8260B	04/06/10 17:18	erussell	Q49229
1,2-Dichlorobenzene	**BRL**	µg/kg	14	1.8	1	8260B	04/06/10 17:18	erussell	Q49229
1,2-Dichloroethane	**BRL**	µg/kg	6.8	1.8	1	8260B	04/06/10 17:18	erussell	Q49229
1,2-Dichloropropane	**BRL**	µg/kg	6.8	2.0	1	8260B	04/06/10 17:18	erussell	Q49229
1,3,5-Trimethylbenzene	**BRL**	µg/kg	14	1.8	1	8260B	04/06/10 17:18	erussell	Q49229
1,3-Dichlorobenzene	**BRL**	µg/kg	14	1.6	1	8260B	04/06/10 17:18	erussell	Q49229
1,3-Dichloropropane	**BRL**	µg/kg	6.8	1.4	1	8260B	04/06/10 17:18	erussell	Q49229
1,4-Dichlorobenzene	**BRL**	µg/kg	14	1.7	1	8260B	04/06/10 17:18	erussell	Q49229
2,2-Dichloropropane	**BRL**	µg/kg	6.8	1.6	1	8260B	04/06/10 17:18	erussell	Q49229
2-Chloroethyl vinyl ether	**BRL**	µg/kg	14	2.0	1	8260B	04/06/10 17:18	erussell	Q49229
2-Chlorotoluene	**BRL**	µg/kg	14	1.7	1	8260B	04/06/10 17:18	erussell	Q49229
2-Hexanone	**BRL**	µg/kg	68	2.0	1	8260B	04/06/10 17:18	erussell	Q49229

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Laboratory Report

04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-3-2-4
Prism Sample ID: 275458
COC Group: G0410028
Time Collected: 03/30/10 9:20
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	µg/kg	14	1.7	1	8260B	04/06/10 17:18	erussell	Q49229
4-Methyl-2-pentanone (MIBK)	BRL	µg/kg	14	1.5	1	8260B	04/06/10 17:18	erussell	Q49229
Acetone	70	µg/kg	27	2.9	1	8260B	04/06/10 17:18	erussell	Q49229
Benzene	BRL	µg/kg	4.1	1.8	1	8260B	04/06/10 17:18	erussell	Q49229
Bromobenzene	BRL	µg/kg	6.8	1.7	1	8260B	04/06/10 17:18	erussell	Q49229
Bromochloromethane	BRL	µg/kg	6.8	1.8	1	8260B	04/06/10 17:18	erussell	Q49229
Bromodichloromethane	BRL	µg/kg	6.8	1.6	1	8260B	04/06/10 17:18	erussell	Q49229
Bromoform	BRL	µg/kg	6.8	1.5	1	8260B	04/06/10 17:18	erussell	Q49229
Bromomethane	BRL	µg/kg	14	1.7	1	8260B	04/06/10 17:18	erussell	Q49229
Carbon disulfide	BRL	µg/kg	14	1.4	1	8260B	04/06/10 17:18	erussell	Q49229
Carbon tetrachloride	BRL	µg/kg	6.8	2.0	1	8260B	04/06/10 17:18	erussell	Q49229
Chlorobenzene	BRL	µg/kg	6.8	1.5	1	8260B	04/06/10 17:18	erussell	Q49229
Chlorodibromomethane	BRL	µg/kg	6.8	1.7	1	8260B	04/06/10 17:18	erussell	Q49229
Chloroethane	BRL	µg/kg	14	3.5	1	8260B	04/06/10 17:18	erussell	Q49229
Chloroform	BRL	µg/kg	6.8	1.7	1	8260B	04/06/10 17:18	erussell	Q49229
Chloromethane	BRL	µg/kg	14	1.6	1	8260B	04/06/10 17:18	erussell	Q49229
cis-1,2-Dichloroethene	BRL	µg/kg	6.8	1.6	1	8260B	04/06/10 17:18	erussell	Q49229
cis-1,3-Dichloropropene	BRL	µg/kg	6.8	1.6	1	8260B	04/06/10 17:18	erussell	Q49229
Dibromomethane	BRL	µg/kg	6.8	1.9	1	8260B	04/06/10 17:18	erussell	Q49229
Dichlorodifluoromethane	BRL	µg/kg	14	1.4	1	8260B	04/06/10 17:18	erussell	Q49229
Ethylbenzene	BRL	µg/kg	6.8	1.4	1	8260B	04/06/10 17:18	erussell	Q49229
Hexachlorobutadiene	BRL	µg/kg	20	1.6	1	8260B	04/06/10 17:18	erussell	Q49229
Isopropyl ether (IPE)	BRL	µg/kg	6.8	1.7	1	8260B	04/06/10 17:18	erussell	Q49229
Isopropylbenzene	BRL	µg/kg	14	1.5	1	8260B	04/06/10 17:18	erussell	Q49229
m,p-Xylenes	BRL	µg/kg	14	3.6	1	8260B	04/06/10 17:18	erussell	Q49229
Methyl ethyl ketone (MEK)	BRL	µg/kg	27	1.7	1	8260B	04/06/10 17:18	erussell	Q49229
Methyl t-butyl ether (MTBE)	BRL	µg/kg	6.8	1.4	1	8260B	04/06/10 17:18	erussell	Q49229

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Laboratory Report

04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-3-2-4
Prism Sample ID: 275458
COC Group: G0410028
Time Collected: 03/30/10 9:20
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methylene chloride	**BRL**	µg/kg	14	1.8	1	8260B	04/06/10 17:18	erussell	Q49229
n-Butylbenzene	**BRL**	µg/kg	20	2.5	1	8260B	04/06/10 17:18	erussell	Q49229
n-Propylbenzene	**BRL**	µg/kg	14	1.9	1	8260B	04/06/10 17:18	erussell	Q49229
Naphthalene	**BRL**	µg/kg	6.8	3.7	1	8260B	04/06/10 17:18	erussell	Q49229
o-Xylene	**BRL**	µg/kg	6.8	1.5	1	8260B	04/06/10 17:18	erussell	Q49229
p-Isopropyltoluene	**BRL**	µg/kg	20	2.0	1	8260B	04/06/10 17:18	erussell	Q49229
sec-Butylbenzene	**BRL**	µg/kg	20	1.8	1	8260B	04/06/10 17:18	erussell	Q49229
Styrene	**BRL**	µg/kg	6.8	1.3	1	8260B	04/06/10 17:18	erussell	Q49229
tert-Butylbenzene	**BRL**	µg/kg	27	1.8	1	8260B	04/06/10 17:18	erussell	Q49229
Tetrachloroethene	**BRL**	µg/kg	14	1.7	1	8260B	04/06/10 17:18	erussell	Q49229
Toluene	**BRL**	µg/kg	6.8	1.7	1	8260B	04/06/10 17:18	erussell	Q49229
trans-1,2-Dichloroethene	**BRL**	µg/kg	6.8	1.3	1	8260B	04/06/10 17:18	erussell	Q49229
trans-1,3-Dichloropropene	**BRL**	µg/kg	6.8	1.4	1	8260B	04/06/10 17:18	erussell	Q49229
Trichloroethene	**BRL**	µg/kg	6.8	1.9	1	8260B	04/06/10 17:18	erussell	Q49229
Trichlorofluoromethane	**BRL**	µg/kg	6.8	1.9	1	8260B	04/06/10 17:18	erussell	Q49229
Vinyl chloride	**BRL**	µg/kg	14	1.8	1	8260B	04/06/10 17:18	erussell	Q49229

Surrogate	% Recovery	Control Limits
Toluene-d8	104	81 - 128
Dibromofluoromethane	106	67 - 143
Bromofluorobenzene	100	77 - 128

Sample Weight Determination

Weight Bisulfate 1	**4.94**	g	1	5035	04/06/10	lbrown	
Weight Bisulfate 2	**5.61**	g	1	5035	04/06/10	lbrown	
Weight Methanol	**5.50**	g	1	5035	04/06/10	lbrown	

Semi-volatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	**BRL**	µg/kg	440	48	1	8270C	04/08/10 17:22	cphilbrick	Q49259

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Prism Sample ID: 275458
COC Group: G0410028
Time Collected: 03/30/10 9:20
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2-Dichlorobenzene	BRL	µg/kg	440	48	1	8270C	04/08/10 17:22	cphilbrick	Q49259
1,3-Dichlorobenzene	BRL	µg/kg	440	42	1	8270C	04/08/10 17:22	cphilbrick	Q49259
1,4-Dichlorobenzene	BRL	µg/kg	440	52	1	8270C	04/08/10 17:22	cphilbrick	Q49259
2,4,5-Trichlorophenol	BRL	µg/kg	440	52	1	8270C	04/08/10 17:22	cphilbrick	Q49259
2,4,6-Trichlorophenol	BRL	µg/kg	440	47	1	8270C	04/08/10 17:22	cphilbrick	Q49259
2,4-Dichlorophenol	BRL	µg/kg	440	29	1	8270C	04/08/10 17:22	cphilbrick	Q49259
2,4-Dimethylphenol	BRL	µg/kg	440	65	1	8270C	04/08/10 17:22	cphilbrick	Q49259
2,4-Dinitrophenol	BRL	µg/kg	440	130	1	8270C	04/08/10 17:22	cphilbrick	Q49259
2,4-Dinitrotoluene	BRL	µg/kg	440	57	1	8270C	04/08/10 17:22	cphilbrick	Q49259
2,6-Dinitrotoluene	BRL	µg/kg	440	79	1	8270C	04/08/10 17:22	cphilbrick	Q49259
2-Chloronaphthalene	BRL	µg/kg	440	55	1	8270C	04/08/10 17:22	cphilbrick	Q49259
2-Chlorophenol	BRL	µg/kg	440	18	1	8270C	04/08/10 17:22	cphilbrick	Q49259
2-Methylnaphthalene	BRL	µg/kg	440	49	1	8270C	04/08/10 17:22	cphilbrick	Q49259
2-Methylphenol	BRL	µg/kg	440	35	1	8270C	04/08/10 17:22	cphilbrick	Q49259
2-Nitrophenol	BRL	µg/kg	440	61	1	8270C	04/08/10 17:22	cphilbrick	Q49259
3&4-Methylphenol	BRL	µg/kg	440	51	1	8270C	04/08/10 17:22	cphilbrick	Q49259
3,3'-Dichlorobenzidine	BRL	µg/kg	440	79	1	8270C	04/08/10 17:22	cphilbrick	Q49259
4,6-Dinitro-2-methylphenol	BRL	µg/kg	440	37	1	8270C	04/08/10 17:22	cphilbrick	Q49259
4-Bromophenylphenylether	BRL	µg/kg	440	54	1	8270C	04/08/10 17:22	cphilbrick	Q49259
4-Chloro-3-methylphenol	BRL	µg/kg	440	52	1	8270C	04/08/10 17:22	cphilbrick	Q49259
4-Chlorophenylphenylether	BRL	µg/kg	440	55	1	8270C	04/08/10 17:22	cphilbrick	Q49259
4-Nitrophenol	BRL	µg/kg	440	56	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Acenaphthene	BRL	µg/kg	440	59	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Acenaphthylene	BRL	µg/kg	440	41	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Anthracene	BRL	µg/kg	440	32	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Benzo(a)anthracene	300 J	µg/kg	440	49	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Benzo(a)pyrene	300 J	µg/kg	440	55	1	8270C	04/08/10 17:22	cphilbrick	Q49259

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Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-3-2-4
Prism Sample ID: 275458
COC Group: G0410028
Time Collected: 03/30/10 9:20
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Benzo(b)fluoranthene	400 J	µg/kg	440	89	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Benzo(g,h,i)perylene	120 J	µg/kg	440	56	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Benzo(k)fluoranthene	180 J	µg/kg	440	120	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Bis(2-chloroethoxy)methane	BRL	µg/kg	440	74	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Bis(2-chloroethyl)ether	BRL	µg/kg	440	54	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Bis(2-chloroisopropyl)ether	BRL	µg/kg	440	44	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Bis(2-ethylhexyl)phthalate	BRL	µg/kg	440	34	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Butylbenzylphthalate	BRL	µg/kg	440	54	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Chrysene	300 J	µg/kg	440	29	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Di-n-butylphthalate	BRL	µg/kg	440	70	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Di-n-octylphthalate	BRL	µg/kg	440	130	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Dibenzo(a,h)anthracene	BRL	µg/kg	440	41	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Dibenzofuran	BRL	µg/kg	440	53	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Diethylphthalate	BRL	µg/kg	440	110	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Dimethylphthalate	BRL	µg/kg	440	65	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Fluoranthene	580	µg/kg	440	77	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Fluorene	BRL	µg/kg	440	62	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Hexachlorobenzene	BRL	µg/kg	440	60	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Hexachlorobutadiene	BRL	µg/kg	440	43	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Hexachlorocyclopentadiene	BRL	µg/kg	440	65	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Hexachloroethane	BRL	µg/kg	440	18	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Indeno(1,2,3-cd)pyrene	170 J	µg/kg	440	41	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Isophorone	BRL	µg/kg	440	42	1	8270C	04/08/10 17:22	cphilbrick	Q49259
N-Nitrosodi-n-propylamine	BRL	µg/kg	440	25	1	8270C	04/08/10 17:22	cphilbrick	Q49259
N-Nitrosodiphenylamine	BRL	µg/kg	440	63	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Naphthalene	BRL	µg/kg	440	52	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Nitrobenzene	BRL	µg/kg	440	55	1	8270C	04/08/10 17:22	cphilbrick	Q49259

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PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735

Laboratory Report

04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-3-2-4
Prism Sample ID: 275458
COC Group: G0410028
Time Collected: 03/30/10 9:20
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Pentachlorophenol	**BRL**	µg/kg	440	67	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Phenanthrene	**380 J**	µg/kg	440	37	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Phenol	**BRL**	µg/kg	440	77	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Pyrene	**540**	µg/kg	440	83	1	8270C	04/08/10 17:22	cphilbrick	Q49259
Sample Preparation:			30.28 g	/	1 mL	3550B	04/06/10 13:30	aguptill	P27199

Surrogate	% Recovery	Control Limits
Terphenyl-d14	102	41 - 136
Phenol-d5	67	13 - 95
Nitrobenzene-d5	63	14 - 103
2-Fluorophenol	63	14 - 89
2-Fluorobiphenyl	72	21 - 108
2,4,6-Tribromophenol	90	25 - 123

Diesel Range Organics (DRO) by GC-FID

Diesel Range Organics (DRO)	**18**	mg/kg	9.3	1.5	1	8015B	04/09/10 2:22	jvogel	Q49287
Sample Preparation:			25.05 g	/	1 mL	3545	04/07/10 17:00	athao	P27216

Surrogate	% Recovery	Control Limits
o-Terphenyl	82	49 - 124

Sample Weight Determination

Weight 1	**5.76**	g		1	GRO	04/06/10 0:00	lbrown	
Weight 2	**5.41**	g		1	GRO	04/06/10 0:00	lbrown	

Gasoline Range Organics (GRO) by GC-FID

Gasoline Range Organics (GRO)	**BRL**	mg/kg	6.7	4.2	50	8015B	04/08/10 4:15	heasler	Q49290

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Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-3-2-4
Prism Sample ID: 275458
COC Group: G0410028
Time Collected: 03/30/10 9:20
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Surrogate							**% Recovery**		**Control Limits**
aaa-TFT							105		55 - 129
Mercury by CVAA									
Mercury	**0.41**	mg/kg	0.027	0.0018	1	7471A	04/09/10 15:20	kpowers	Q49336
Sample Preparation:				0.6 g /	30 mL	7471A	04/09/10 8:20	kpowers	P27230
Metals by ICP									
Arsenic	**5.1**	mg/kg	0.67	0.076	1	6010B	04/09/10 0:26	pfitzgerald	Q49277
Barium	**140**	mg/kg	3.3	0.50	5	6010B	04/14/10 0:28	dsullivan	Q49277
Cadmium	**1.8**	mg/kg	0.33	0.035	1	6010B	04/09/10 0:26	pfitzgerald	Q49277
Chromium	**55**	mg/kg	0.33	0.046	1	6010B	04/09/10 0:26	pfitzgerald	Q49277
Lead	**87**	mg/kg	1.7	0.41	5	6010B	04/14/10 0:28	dsullivan	Q49277
Selenium	**BRL**	mg/kg	3.3	0.68	5	6010B	04/14/10 0:28	dsullivan	Q49277
Silver	**BRL**	mg/kg	0.33	0.034	1	6010B	04/09/10 0:26	pfitzgerald	Q49277
Sample Preparation:				2.04 g /	50 mL	3050B	04/07/10 9:15	jbrayton	P27212

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services

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Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-4-2-4
Prism Sample ID: 275459
COC Group: G0410028
Time Collected: 03/30/10 9:49
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	**82.8**	%			1	SM2540 G	04/05/10 13:30	jbrayton	
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	**BRL**	µg/kg	5.4	1.8	1	8260B	04/06/10 16:44	erussell	Q49229
1,1,1-Trichloroethane	**BRL**	µg/kg	5.4	1.2	1	8260B	04/06/10 16:44	erussell	Q49229
1,1,2,2-Tetrachloroethane	**BRL**	µg/kg	5.4	1.5	1	8260B	04/06/10 16:44	erussell	Q49229
1,1,2-Trichloroethane	**BRL**	µg/kg	5.4	1.5	1	8260B	04/06/10 16:44	erussell	Q49229
1,1-Dichloroethane	**BRL**	µg/kg	5.4	1.4	1	8260B	04/06/10 16:44	erussell	Q49229
1,1-Dichloroethene	**BRL**	µg/kg	5.4	1.3	1	8260B	04/06/10 16:44	erussell	Q49229
1,1-Dichloropropene	**BRL**	µg/kg	5.4	1.1	1	8260B	04/06/10 16:44	erussell	Q49229
1,2,3-Trichlorobenzene	**BRL**	µg/kg	11	1.8	1	8260B	04/06/10 16:44	erussell	Q49229
1,2,3-Trichloropropane	**BRL**	µg/kg	5.4	2.2	1	8260B	04/06/10 16:44	erussell	Q49229
1,2,4-Trichlorobenzene	**BRL**	µg/kg	11	1.5	1	8260B	04/06/10 16:44	erussell	Q49229
1,2,4-Trimethylbenzene	**BRL**	µg/kg	11	1.3	1	8260B	04/06/10 16:44	erussell	Q49229
1,2-Dibromo-3-chloropropane	**BRL**	µg/kg	5.4	2.0	1	8260B	04/06/10 16:44	erussell	Q49229
1,2-Dibromoethane (EDB)	**BRL**	µg/kg	5.4	1.5	1	8260B	04/06/10 16:44	erussell	Q49229
1,2-Dichlorobenzene	**BRL**	µg/kg	11	1.5	1	8260B	04/06/10 16:44	erussell	Q49229
1,2-Dichloroethane	**BRL**	µg/kg	5.4	1.4	1	8260B	04/06/10 16:44	erussell	Q49229
1,2-Dichloropropane	**BRL**	µg/kg	5.4	1.6	1	8260B	04/06/10 16:44	erussell	Q49229
1,3,5-Trimethylbenzene	**BRL**	µg/kg	11	1.4	1	8260B	04/06/10 16:44	erussell	Q49229
1,3-Dichlorobenzene	**BRL**	µg/kg	11	1.3	1	8260B	04/06/10 16:44	erussell	Q49229
1,3-Dichloropropane	**BRL**	µg/kg	5.4	1.1	1	8260B	04/06/10 16:44	erussell	Q49229
1,4-Dichlorobenzene	**BRL**	µg/kg	11	1.3	1	8260B	04/06/10 16:44	erussell	Q49229
2,2-Dichloropropane	**BRL**	µg/kg	5.4	1.3	1	8260B	04/06/10 16:44	erussell	Q49229
2-Chloroethyl vinyl ether	**BRL**	µg/kg	11	1.6	1	8260B	04/06/10 16:44	erussell	Q49229
2-Chlorotoluene	**BRL**	µg/kg	11	1.4	1	8260B	04/06/10 16:44	erussell	Q49229
2-Hexanone	**BRL**	µg/kg	54	1.6	1	8260B	04/06/10 16:44	erussell	Q49229

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Laboratory Report

04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-4-2-4
Prism Sample ID: 275459
COC Group: G0410028
Time Collected: 03/30/10 9:49
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	µg/kg	11	1.3	1	8260B	04/06/10 16:44	erussell	Q49229
4-Methyl-2-pentanone (MIBK)	BRL	µg/kg	11	1.2	1	8260B	04/06/10 16:44	erussell	Q49229
Acetone	30	µg/kg	22	2.3	1	8260B	04/06/10 16:44	erussell	Q49229
Benzene	BRL	µg/kg	3.2	1.4	1	8260B	04/06/10 16:44	erussell	Q49229
Bromobenzene	BRL	µg/kg	5.4	1.3	1	8260B	04/06/10 16:44	erussell	Q49229
Bromochloromethane	BRL	µg/kg	5.4	1.5	1	8260B	04/06/10 16:44	erussell	Q49229
Bromodichloromethane	BRL	µg/kg	5.4	1.2	1	8260B	04/06/10 16:44	erussell	Q49229
Bromoform	BRL	µg/kg	5.4	1.2	1	8260B	04/06/10 16:44	erussell	Q49229
Bromomethane	BRL	µg/kg	11	1.4	1	8260B	04/06/10 16:44	erussell	Q49229
Carbon disulfide	BRL	µg/kg	11	1.1	1	8260B	04/06/10 16:44	erussell	Q49229
Carbon tetrachloride	BRL	µg/kg	5.4	1.6	1	8260B	04/06/10 16:44	erussell	Q49229
Chlorobenzene	BRL	µg/kg	5.4	1.2	1	8260B	04/06/10 16:44	erussell	Q49229
Chlorodibromomethane	BRL	µg/kg	5.4	1.4	1	8260B	04/06/10 16:44	erussell	Q49229
Chloroethane	BRL	µg/kg	11	2.8	1	8260B	04/06/10 16:44	erussell	Q49229
Chloroform	BRL	µg/kg	5.4	1.4	1	8260B	04/06/10 16:44	erussell	Q49229
Chloromethane	BRL	µg/kg	11	1.3	1	8260B	04/06/10 16:44	erussell	Q49229
cis-1,2-Dichloroethene	BRL	µg/kg	5.4	1.3	1	8260B	04/06/10 16:44	erussell	Q49229
cis-1,3-Dichloropropene	BRL	µg/kg	5.4	1.3	1	8260B	04/06/10 16:44	erussell	Q49229
Dibromomethane	BRL	µg/kg	5.4	1.5	1	8260B	04/06/10 16:44	erussell	Q49229
Dichlorodifluoromethane	BRL	µg/kg	11	1.1	1	8260B	04/06/10 16:44	erussell	Q49229
Ethylbenzene	BRL	µg/kg	5.4	1.1	1	8260B	04/06/10 16:44	erussell	Q49229
Hexachlorobutadiene	BRL	µg/kg	16	1.3	1	8260B	04/06/10 16:44	erussell	Q49229
Isopropyl ether (IPE)	BRL	µg/kg	5.4	1.3	1	8260B	04/06/10 16:44	erussell	Q49229
Isopropylbenzene	BRL	µg/kg	11	1.2	1	8260B	04/06/10 16:44	erussell	Q49229
m,p-Xylenes	BRL	µg/kg	11	2.9	1	8260B	04/06/10 16:44	erussell	Q49229
Methyl ethyl ketone (MEK)	BRL	µg/kg	22	1.4	1	8260B	04/06/10 16:44	erussell	Q49229
Methyl t-butyl ether (MTBE)	BRL	µg/kg	5.4	1.1	1	8260B	04/06/10 16:44	erussell	Q49229

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Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-4-2-4
Prism Sample ID: 275459
COC Group: G0410028
Time Collected: 03/30/10 9:49
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methylene chloride	**BRL**	µg/kg	11	1.4	1	8260B	04/06/10 16:44	erussell	Q49229
n-Butylbenzene	**BRL**	µg/kg	16	2.0	1	8260B	04/06/10 16:44	erussell	Q49229
n-Propylbenzene	**BRL**	µg/kg	11	1.5	1	8260B	04/06/10 16:44	erussell	Q49229
Naphthalene	**BRL**	µg/kg	5.4	2.9	1	8260B	04/06/10 16:44	erussell	Q49229
o-Xylene	**BRL**	µg/kg	5.4	1.2	1	8260B	04/06/10 16:44	erussell	Q49229
p-Isopropyltoluene	**BRL**	µg/kg	16	1.6	1	8260B	04/06/10 16:44	erussell	Q49229
sec-Butylbenzene	**BRL**	µg/kg	16	1.4	1	8260B	04/06/10 16:44	erussell	Q49229
Styrene	**BRL**	µg/kg	5.4	1.0	1	8260B	04/06/10 16:44	erussell	Q49229
tert-Butylbenzene	**BRL**	µg/kg	22	1.5	1	8260B	04/06/10 16:44	erussell	Q49229
Tetrachloroethene	**BRL**	µg/kg	11	1.4	1	8260B	04/06/10 16:44	erussell	Q49229
Toluene	**BRL**	µg/kg	5.4	1.3	1	8260B	04/06/10 16:44	erussell	Q49229
trans-1,2-Dichloroethene	**BRL**	µg/kg	5.4	1.1	1	8260B	04/06/10 16:44	erussell	Q49229
trans-1,3-Dichloropropene	**BRL**	µg/kg	5.4	1.1	1	8260B	04/06/10 16:44	erussell	Q49229
Trichloroethene	**BRL**	µg/kg	5.4	1.5	1	8260B	04/06/10 16:44	erussell	Q49229
Trichlorofluoromethane	**BRL**	µg/kg	5.4	1.5	1	8260B	04/06/10 16:44	erussell	Q49229
Vinyl chloride	**BRL**	µg/kg	11	1.4	1	8260B	04/06/10 16:44	erussell	Q49229

Surrogate	% Recovery	Control Limits
Toluene-d8	106	81 - 128
Dibromofluoromethane	105	67 - 143
Bromofluorobenzene	104	77 - 128

Sample Weight Determination

Weight Bisulfate 1	**5.59**	g			1	5035	04/06/10	lbrown	
Weight Bisulfate 2	**5.82**	g			1	5035	04/06/10	lbrown	
Weight Methanol	**6.30**	g			1	5035	04/06/10	lbrown	

Semi-volatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	**BRL**	µg/kg	390	44	1	8270C	04/08/10 17:52	cphilbrick	Q49259

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COC Group: G0410028
Time Collected: 03/30/10 9:49
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2-Dichlorobenzene	BRL	µg/kg	390	44	1	8270C	04/08/10 17:52	cphilbrick	Q49259
1,3-Dichlorobenzene	BRL	µg/kg	390	38	1	8270C	04/08/10 17:52	cphilbrick	Q49259
1,4-Dichlorobenzene	BRL	µg/kg	390	47	1	8270C	04/08/10 17:52	cphilbrick	Q49259
2,4,5-Trichlorophenol	BRL	µg/kg	390	47	1	8270C	04/08/10 17:52	cphilbrick	Q49259
2,4,6-Trichlorophenol	BRL	µg/kg	390	42	1	8270C	04/08/10 17:52	cphilbrick	Q49259
2,4-Dichlorophenol	BRL	µg/kg	390	26	1	8270C	04/08/10 17:52	cphilbrick	Q49259
2,4-Dimethylphenol	BRL	µg/kg	390	59	1	8270C	04/08/10 17:52	cphilbrick	Q49259
2,4-Dinitrophenol	BRL	µg/kg	390	110	1	8270C	04/08/10 17:52	cphilbrick	Q49259
2,4-Dinitrotoluene	BRL	µg/kg	390	52	1	8270C	04/08/10 17:52	cphilbrick	Q49259
2,6-Dinitrotoluene	BRL	µg/kg	390	71	1	8270C	04/08/10 17:52	cphilbrick	Q49259
2-Chloronaphthalene	BRL	µg/kg	390	50	1	8270C	04/08/10 17:52	cphilbrick	Q49259
2-Chlorophenol	BRL	µg/kg	390	17	1	8270C	04/08/10 17:52	cphilbrick	Q49259
2-Methylnaphthalene	110 J	µg/kg	390	44	1	8270C	04/08/10 17:52	cphilbrick	Q49259
2-Methylphenol	BRL	µg/kg	390	32	1	8270C	04/08/10 17:52	cphilbrick	Q49259
2-Nitrophenol	BRL	µg/kg	390	56	1	8270C	04/08/10 17:52	cphilbrick	Q49259
3&4-Methylphenol	BRL	µg/kg	390	46	1	8270C	04/08/10 17:52	cphilbrick	Q49259
3,3'-Dichlorobenzidine	BRL	µg/kg	390	72	1	8270C	04/08/10 17:52	cphilbrick	Q49259
4,6-Dinitro-2-methylphenol	BRL	µg/kg	390	34	1	8270C	04/08/10 17:52	cphilbrick	Q49259
4-Bromophenylphenylether	BRL	µg/kg	390	49	1	8270C	04/08/10 17:52	cphilbrick	Q49259
4-Chloro-3-methylphenol	BRL	µg/kg	390	47	1	8270C	04/08/10 17:52	cphilbrick	Q49259
4-Chlorophenylphenylether	BRL	µg/kg	390	50	1	8270C	04/08/10 17:52	cphilbrick	Q49259
4-Nitrophenol	BRL	µg/kg	390	50	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Acenaphthene	BRL	µg/kg	390	54	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Acenaphthylene	BRL	µg/kg	390	37	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Anthracene	160 J	µg/kg	390	29	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Benzo(a)anthracene	640	µg/kg	390	45	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Benzo(a)pyrene	670	µg/kg	390	50	1	8270C	04/08/10 17:52	cphilbrick	Q49259

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PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735

Laboratory Report

04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-4-2-4
Prism Sample ID: 275459
COC Group: G0410028
Time Collected: 03/30/10 9:49
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Benzo(b)fluoranthene	**1000**	µg/kg	390	81	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Benzo(g,h,i)perylene	**350 J**	µg/kg	390	50	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Benzo(k)fluoranthene	**390 J**	µg/kg	390	110	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Bis(2-chloroethoxy)methane	**BRL**	µg/kg	390	67	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Bis(2-chloroethyl)ether	**BRL**	µg/kg	390	49	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Bis(2-chloroisopropyl)ether	**BRL**	µg/kg	390	40	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Bis(2-ethylhexyl)phthalate	**110 J**	µg/kg	390	31	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Butylbenzylphthalate	**BRL**	µg/kg	390	49	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Chrysene	**590**	µg/kg	390	27	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Di-n-butylphthalate	**BRL**	µg/kg	390	63	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Di-n-octylphthalate	**BRL**	µg/kg	390	110	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Dibenzo(a,h)anthracene	**BRL**	µg/kg	390	37	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Dibenzofuran	**BRL**	µg/kg	390	48	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Diethylphthalate	**BRL**	µg/kg	390	100	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Dimethylphthalate	**BRL**	µg/kg	390	59	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Fluoranthene	**1400**	µg/kg	390	70	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Fluorene	**BRL**	µg/kg	390	56	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Hexachlorobenzene	**BRL**	µg/kg	390	54	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Hexachlorobutadiene	**BRL**	µg/kg	390	39	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Hexachlorocyclopentadiene	**BRL**	µg/kg	390	59	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Hexachloroethane	**BRL**	µg/kg	390	16	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Indeno(1,2,3-cd)pyrene	**460**	µg/kg	390	37	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Isophorone	**BRL**	µg/kg	390	38	1	8270C	04/08/10 17:52	cphilbrick	Q49259
N-Nitrosodi-n-propylamine	**BRL**	µg/kg	390	23	1	8270C	04/08/10 17:52	cphilbrick	Q49259
N-Nitrosodiphenylamine	**BRL**	µg/kg	390	57	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Naphthalene	**110 J**	µg/kg	390	47	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Nitrobenzene	**BRL**	µg/kg	390	50	1	8270C	04/08/10 17:52	cphilbrick	Q49259

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04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-4-2-4
Prism Sample ID: 275459
COC Group: G0410028
Time Collected: 03/30/10 9:49
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Pentachlorophenol	**BRL**	µg/kg	390	60	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Phenanthrene	**1000**	µg/kg	390	34	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Phenol	**BRL**	µg/kg	390	70	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Pyrene	**1300**	µg/kg	390	75	1	8270C	04/08/10 17:52	cphilbrick	Q49259
Sample Preparation:			30.27 g	/	1 mL	3550B	04/06/10 13:30	aguptill	P27199

Surrogate	% Recovery	Control Limits
Terphenyl-d14	103	41 - 136
Phenol-d5	63	13 - 95
Nitrobenzene-d5	74	14 - 103
2-Fluorophenol	58	14 - 89
2-Fluorobiphenyl	80	21 - 108
2,4,6-Tribromophenol	81	25 - 123

Diesel Range Organics (DRO) by GC-FID

Diesel Range Organics (DRO)	**BRL**	mg/kg	8.4	1.4	1	8015B	04/09/10 1:46	jvogel	Q49287
Sample Preparation:			25.03 g	/	1 mL	3545	04/07/10 17:00	athao	P27216

Surrogate	% Recovery	Control Limits
o-Terphenyl	74	49 - 124

Sample Weight Determination

Weight 1	**6.23**	g			1	GRO	04/06/10 0:00	lbrown
Weight 2	**5.87**	g			1	GRO	04/06/10 0:00	lbrown

Gasoline Range Organics (GRO) by GC-FID

Gasoline Range Organics (GRO)	**BRL**	mg/kg	6.0	3.8	50	8015B	04/08/10 4:46	heasler	Q49290

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Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-4-2-4
Prism Sample ID: 275459
COC Group: G0410028
Time Collected: 03/30/10 9:49
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Surrogate							**% Recovery**		**Control Limits**
aaa-TFT							63		55 - 129
Mercury by CVAA									
Mercury	**0.10**	mg/kg	0.024	0.0016	1	7471A	04/09/10 15:24	kpowers	Q49336
Sample Preparation:				0.6 g /	30 mL	7471A	04/09/10 8:20	kpowers	P27230
Metals by ICP									
Arsenic	**3.4**	mg/kg	0.60	0.068	1	6010B	04/09/10 0:34	pfitzgerald	Q49277
Barium	**140**	mg/kg	3.0	0.45	5	6010B	04/14/10 0:49	dsullivan	Q49277
Cadmium	**1.2**	mg/kg	0.30	0.032	1	6010B	04/09/10 0:34	pfitzgerald	Q49277
Chromium	**15**	mg/kg	0.30	0.042	1	6010B	04/09/10 0:34	pfitzgerald	Q49277
Lead	**410**	mg/kg	1.5	0.37	5	6010B	04/14/10 0:49	dsullivan	Q49277
Selenium	**4.3**	mg/kg	3.0	0.61	5	6010B	04/14/10 0:49	dsullivan	Q49277
Silver	**BRL**	mg/kg	0.30	0.031	1	6010B	04/09/10 0:34	pfitzgerald	Q49277
Sample Preparation:				2.01 g /	50 mL	3050B	04/07/10 9:15	jbrayton	P27212

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services

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Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-5-0-2
Prism Sample ID: 275460
COC Group: G0410028
Time Collected: 03/30/10 10:20
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	**93.6**	%			1	SM2540 G	04/05/10 13:30	jbrayton	
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	**BRL**	µg/kg	4.5	1.5	1	8260B	04/06/10 15:04	erussell	Q49229
1,1,1-Trichloroethane	**BRL**	µg/kg	4.5	1.0	1	8260B	04/06/10 15:04	erussell	Q49229
1,1,2,2-Tetrachloroethane	**BRL**	µg/kg	4.5	1.2	1	8260B	04/06/10 15:04	erussell	Q49229
1,1,2-Trichloroethane	**BRL**	µg/kg	4.5	1.3	1	8260B	04/06/10 15:04	erussell	Q49229
1,1-Dichloroethane	**BRL**	µg/kg	4.5	1.2	1	8260B	04/06/10 15:04	erussell	Q49229
1,1-Dichloroethene	**BRL**	µg/kg	4.5	1.1	1	8260B	04/06/10 15:04	erussell	Q49229
1,1-Dichloropropene	**BRL**	µg/kg	4.5	0.93	1	8260B	04/06/10 15:04	erussell	Q49229
1,2,3-Trichlorobenzene	**BRL**	µg/kg	9.0	1.5	1	8260B	04/06/10 15:04	erussell	Q49229
1,2,3-Trichloropropane	**BRL**	µg/kg	4.5	1.9	1	8260B	04/06/10 15:04	erussell	Q49229
1,2,4-Trichlorobenzene	**BRL**	µg/kg	9.0	1.2	1	8260B	04/06/10 15:04	erussell	Q49229
1,2,4-Trimethylbenzene	**BRL**	µg/kg	9.0	1.1	1	8260B	04/06/10 15:04	erussell	Q49229
1,2-Dibromo-3-chloropropane	**BRL**	µg/kg	4.5	1.6	1	8260B	04/06/10 15:04	erussell	Q49229
1,2-Dibromoethane (EDB)	**BRL**	µg/kg	4.5	1.2	1	8260B	04/06/10 15:04	erussell	Q49229
1,2-Dichlorobenzene	**BRL**	µg/kg	9.0	1.2	1	8260B	04/06/10 15:04	erussell	Q49229
1,2-Dichloroethane	**BRL**	µg/kg	4.5	1.2	1	8260B	04/06/10 15:04	erussell	Q49229
1,2-Dichloropropane	**BRL**	µg/kg	4.5	1.3	1	8260B	04/06/10 15:04	erussell	Q49229
1,3,5-Trimethylbenzene	**BRL**	µg/kg	9.0	1.2	1	8260B	04/06/10 15:04	erussell	Q49229
1,3-Dichlorobenzene	**BRL**	µg/kg	9.0	1.1	1	8260B	04/06/10 15:04	erussell	Q49229
1,3-Dichloropropane	**BRL**	µg/kg	4.5	0.92	1	8260B	04/06/10 15:04	erussell	Q49229
1,4-Dichlorobenzene	**BRL**	µg/kg	9.0	1.1	1	8260B	04/06/10 15:04	erussell	Q49229
2,2-Dichloropropane	**BRL**	µg/kg	4.5	1.1	1	8260B	04/06/10 15:04	erussell	Q49229
2-Chloroethyl vinyl ether	**BRL**	µg/kg	9.0	1.3	1	8260B	04/06/10 15:04	erussell	Q49229
2-Chlorotoluene	**BRL**	µg/kg	9.0	1.1	1	8260B	04/06/10 15:04	erussell	Q49229
2-Hexanone	**BRL**	µg/kg	45	1.4	1	8260B	04/06/10 15:04	erussell	Q49229

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04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-5-0-2
Prism Sample ID: 275460
COC Group: G0410028
Time Collected: 03/30/10 10:20
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	µg/kg	9.0	1.1	1	8260B	04/06/10 15:04	erussell	Q49229
4-Methyl-2-pentanone (MIBK)	BRL	µg/kg	9.0	0.98	1	8260B	04/06/10 15:04	erussell	Q49229
Acetone	17 J	µg/kg	18	1.9	1	8260B	04/06/10 15:04	erussell	Q49229
Benzene	BRL	µg/kg	2.7	1.2	1	8260B	04/06/10 15:04	erussell	Q49229
Bromobenzene	BRL	µg/kg	4.5	1.1	1	8260B	04/06/10 15:04	erussell	Q49229
Bromochloromethane	BRL	µg/kg	4.5	1.2	1	8260B	04/06/10 15:04	erussell	Q49229
Bromodichloromethane	BRL	µg/kg	4.5	1.0	1	8260B	04/06/10 15:04	erussell	Q49229
Bromoform	BRL	µg/kg	4.5	0.98	1	8260B	04/06/10 15:04	erussell	Q49229
Bromomethane	BRL	µg/kg	9.0	1.1	1	8260B	04/06/10 15:04	erussell	Q49229
Carbon disulfide	BRL	µg/kg	9.0	0.92	1	8260B	04/06/10 15:04	erussell	Q49229
Carbon tetrachloride	BRL	µg/kg	4.5	1.3	1	8260B	04/06/10 15:04	erussell	Q49229
Chlorobenzene	BRL	µg/kg	4.5	1.0	1	8260B	04/06/10 15:04	erussell	Q49229
Chlorodibromomethane	BRL	µg/kg	4.5	1.1	1	8260B	04/06/10 15:04	erussell	Q49229
Chloroethane	BRL	µg/kg	9.0	2.3	1	8260B	04/06/10 15:04	erussell	Q49229
Chloroform	BRL	µg/kg	4.5	1.1	1	8260B	04/06/10 15:04	erussell	Q49229
Chloromethane	BRL	µg/kg	9.0	1.1	1	8260B	04/06/10 15:04	erussell	Q49229
cis-1,2-Dichloroethene	BRL	µg/kg	4.5	1.1	1	8260B	04/06/10 15:04	erussell	Q49229
cis-1,3-Dichloropropene	BRL	µg/kg	4.5	1.1	1	8260B	04/06/10 15:04	erussell	Q49229
Dibromomethane	BRL	µg/kg	4.5	1.3	1	8260B	04/06/10 15:04	erussell	Q49229
Dichlorodifluoromethane	BRL	µg/kg	9.0	0.92	1	8260B	04/06/10 15:04	erussell	Q49229
Ethylbenzene	BRL	µg/kg	4.5	0.93	1	8260B	04/06/10 15:04	erussell	Q49229
Hexachlorobutadiene	BRL	µg/kg	13	1.1	1	8260B	04/06/10 15:04	erussell	Q49229
Isopropyl ether (IPE)	BRL	µg/kg	4.5	1.1	1	8260B	04/06/10 15:04	erussell	Q49229
Isopropylbenzene	BRL	µg/kg	9.0	1.0	1	8260B	04/06/10 15:04	erussell	Q49229
m,p-Xylenes	BRL	µg/kg	9.0	2.4	1	8260B	04/06/10 15:04	erussell	Q49229
Methyl ethyl ketone (MEK)	BRL	µg/kg	18	1.1	1	8260B	04/06/10 15:04	erussell	Q49229
Methyl t-butyl ether (MTBE)	BRL	µg/kg	4.5	0.93	1	8260B	04/06/10 15:04	erussell	Q49229

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Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-5-0-2
Prism Sample ID: 275460
COC Group: G0410028
Time Collected: 03/30/10 10:20
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methylene chloride	BRL	µg/kg	9.0	1.2	1	8260B	04/06/10 15:04	erussell	Q49229
n-Butylbenzene	BRL	µg/kg	13	1.6	1	8260B	04/06/10 15:04	erussell	Q49229
n-Propylbenzene	BRL	µg/kg	9.0	1.3	1	8260B	04/06/10 15:04	erussell	Q49229
Naphthalene	BRL	µg/kg	4.5	2.4	1	8260B	04/06/10 15:04	erussell	Q49229
o-Xylene	BRL	µg/kg	4.5	0.99	1	8260B	04/06/10 15:04	erussell	Q49229
p-Isopropyltoluene	BRL	µg/kg	13	1.3	1	8260B	04/06/10 15:04	erussell	Q49229
sec-Butylbenzene	BRL	µg/kg	13	1.2	1	8260B	04/06/10 15:04	erussell	Q49229
Styrene	BRL	µg/kg	4.5	0.87	1	8260B	04/06/10 15:04	erussell	Q49229
tert-Butylbenzene	BRL	µg/kg	18	1.2	1	8260B	04/06/10 15:04	erussell	Q49229
Tetrachloroethene	BRL	µg/kg	9.0	1.2	1	8260B	04/06/10 15:04	erussell	Q49229
Toluene	BRL	µg/kg	4.5	1.1	1	8260B	04/06/10 15:04	erussell	Q49229
trans-1,2-Dichloroethene	BRL	µg/kg	4.5	0.89	1	8260B	04/06/10 15:04	erussell	Q49229
trans-1,3-Dichloropropene	BRL	µg/kg	4.5	0.90	1	8260B	04/06/10 15:04	erussell	Q49229
Trichloroethene	BRL	µg/kg	4.5	1.3	1	8260B	04/06/10 15:04	erussell	Q49229
Trichlorofluoromethane	BRL	µg/kg	4.5	1.3	1	8260B	04/06/10 15:04	erussell	Q49229
Vinyl chloride	BRL	µg/kg	9.0	1.2	1	8260B	04/06/10 15:04	erussell	Q49229

Surrogate	% Recovery	Control Limits
Toluene-d8	106	81 - 128
Dibromofluoromethane	106	67 - 143
Bromofluorobenzene	101	77 - 128

Sample Weight Determination

Weight Bisulfate 1	5.95	g			1	5035	04/06/10	lbrown
Weight Bisulfate 2	6.31	g			1	5035	04/06/10	lbrown
Weight Methanol	6.34	g			1	5035	04/06/10	lbrown

Semi-volatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	BRL	µg/kg	350	39	1	8270C	04/08/10 18:22	cphilbrick	Q49259

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Sample Matrix: Soil

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Prism Sample ID: 275460
COC Group: G0410028
Time Collected: 03/30/10 10:20
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2-Dichlorobenzene	BRL	µg/kg	350	39	1	8270C	04/08/10 18:22	cphilbrick	Q49259
1,3-Dichlorobenzene	BRL	µg/kg	350	34	1	8270C	04/08/10 18:22	cphilbrick	Q49259
1,4-Dichlorobenzene	BRL	µg/kg	350	42	1	8270C	04/08/10 18:22	cphilbrick	Q49259
2,4,5-Trichlorophenol	BRL	µg/kg	350	42	1	8270C	04/08/10 18:22	cphilbrick	Q49259
2,4,6-Trichlorophenol	BRL	µg/kg	350	38	1	8270C	04/08/10 18:22	cphilbrick	Q49259
2,4-Dichlorophenol	BRL	µg/kg	350	23	1	8270C	04/08/10 18:22	cphilbrick	Q49259
2,4-Dimethylphenol	BRL	µg/kg	350	53	1	8270C	04/08/10 18:22	cphilbrick	Q49259
2,4-Dinitrophenol	BRL	µg/kg	350	100	1	8270C	04/08/10 18:22	cphilbrick	Q49259
2,4-Dinitrotoluene	BRL	µg/kg	350	46	1	8270C	04/08/10 18:22	cphilbrick	Q49259
2,6-Dinitrotoluene	BRL	µg/kg	350	64	1	8270C	04/08/10 18:22	cphilbrick	Q49259
2-Chloronaphthalene	BRL	µg/kg	350	44	1	8270C	04/08/10 18:22	cphilbrick	Q49259
2-Chlorophenol	BRL	µg/kg	350	15	1	8270C	04/08/10 18:22	cphilbrick	Q49259
2-Methylnaphthalene	BRL	µg/kg	350	40	1	8270C	04/08/10 18:22	cphilbrick	Q49259
2-Methylphenol	BRL	µg/kg	350	29	1	8270C	04/08/10 18:22	cphilbrick	Q49259
2-Nitrophenol	BRL	µg/kg	350	50	1	8270C	04/08/10 18:22	cphilbrick	Q49259
3&4-Methylphenol	BRL	µg/kg	350	41	1	8270C	04/08/10 18:22	cphilbrick	Q49259
3,3'-Dichlorobenzidine	BRL	µg/kg	350	64	1	8270C	04/08/10 18:22	cphilbrick	Q49259
4,6-Dinitro-2-methylphenol	BRL	µg/kg	350	30	1	8270C	04/08/10 18:22	cphilbrick	Q49259
4-Bromophenylphenylether	BRL	µg/kg	350	44	1	8270C	04/08/10 18:22	cphilbrick	Q49259
4-Chloro-3-methylphenol	BRL	µg/kg	350	42	1	8270C	04/08/10 18:22	cphilbrick	Q49259
4-Chlorophenylphenylether	BRL	µg/kg	350	45	1	8270C	04/08/10 18:22	cphilbrick	Q49259
4-Nitrophenol	BRL	µg/kg	350	45	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Acenaphthene	BRL	µg/kg	350	48	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Acenaphthylene	BRL	µg/kg	350	33	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Anthracene	BRL	µg/kg	350	26	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Benzo(a)anthracene	300 J	µg/kg	350	40	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Benzo(a)pyrene	300 J	µg/kg	350	45	1	8270C	04/08/10 18:22	cphilbrick	Q49259

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Laboratory Report

04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-5-0-2
Prism Sample ID: 275460
COC Group: G0410028
Time Collected: 03/30/10 10:20
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Benzo(b)fluoranthene	460	µg/kg	350	72	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Benzo(g,h,i)perylene	160 J	µg/kg	350	45	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Benzo(k)fluoranthene	170 J	µg/kg	350	95	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Bis(2-chloroethoxy)methane	BRL	µg/kg	350	60	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Bis(2-chloroethyl)ether	BRL	µg/kg	350	44	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Bis(2-chloroisopropyl)ether	BRL	µg/kg	350	35	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Bis(2-ethylhexyl)phthalate	BRL	µg/kg	350	27	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Butylbenzylphthalate	BRL	µg/kg	350	44	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Chrysene	280 J	µg/kg	350	24	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Di-n-butylphthalate	BRL	µg/kg	350	57	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Di-n-octylphthalate	BRL	µg/kg	350	100	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Dibenzo(a,h)anthracene	BRL	µg/kg	350	33	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Dibenzofuran	BRL	µg/kg	350	43	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Diethylphthalate	BRL	µg/kg	350	91	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Dimethylphthalate	BRL	µg/kg	350	52	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Fluoranthene	580	µg/kg	350	62	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Fluorene	BRL	µg/kg	350	50	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Hexachlorobenzene	BRL	µg/kg	350	49	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Hexachlorobutadiene	BRL	µg/kg	350	35	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Hexachlorocyclopentadiene	BRL	µg/kg	350	53	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Hexachloroethane	BRL	µg/kg	350	15	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Indeno(1,2,3-cd)pyrene	220 J	µg/kg	350	34	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Isophorone	BRL	µg/kg	350	34	1	8270C	04/08/10 18:22	cphilbrick	Q49259
N-Nitrosodi-n-propylamine	BRL	µg/kg	350	21	1	8270C	04/08/10 18:22	cphilbrick	Q49259
N-Nitrosodiphenylamine	BRL	µg/kg	350	51	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Naphthalene	BRL	µg/kg	350	42	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Nitrobenzene	BRL	µg/kg	350	44	1	8270C	04/08/10 18:22	cphilbrick	Q49259

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Laboratory Report

04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-5-0-2
Prism Sample ID: 275460
COC Group: G0410028
Time Collected: 03/30/10 10:20
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Pentachlorophenol	**BRL**	µg/kg	350	54	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Phenanthrene	**380**	µg/kg	350	30	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Phenol	**BRL**	µg/kg	350	62	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Pyrene	**530**	µg/kg	350	68	1	8270C	04/08/10 18:22	cphilbrick	Q49259
Sample Preparation:			29.9 g	/	1 mL	3550B	04/06/10 13:30	aguptill	P27199

Surrogate	% Recovery	Control Limits
Terphenyl-d14	112	41 - 136
Phenol-d5	69	13 - 95
Nitrobenzene-d5	71	14 - 103
2-Fluorophenol	64	14 - 89
2-Fluorobiphenyl	83	21 - 108
2,4,6-Tribromophenol	91	25 - 123

Diesel Range Organics (DRO) by GC-FID

Diesel Range Organics (DRO)	**38**	mg/kg	7.4	1.2	1	8015B	04/09/10 4:45	jvogel	Q49287
Sample Preparation:			25.13 g	/	1 mL	3545	04/07/10 17:00	athao	P27216

Surrogate	% Recovery	Control Limits
o-Terphenyl	79	49 - 124

Sample Weight Determination

Weight 1	**6.13**	g			1	GRO	04/06/10 0:00	lbrown	
Weight 2	**6.69**	g			1	GRO	04/06/10 0:00	lbrown	

Gasoline Range Organics (GRO) by GC-FID

Gasoline Range Organics (GRO)	**BRL**	mg/kg	5.3	3.3	50	8015B	04/08/10 5:17	heasler	Q49290

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Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-5-0-2
Prism Sample ID: 275460
COC Group: G0410028
Time Collected: 03/30/10 10:20
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
					Surrogate		**% Recovery**		**Control Limits**
					aaa-TFT		114		55 - 129
Mercury by CVAA									
Mercury	**0.43**	mg/kg	0.021	0.0015	1	7471A	04/09/10 15:29	kpowers	Q49336
Sample Preparation:				0.6 g /	30 mL	7471A	04/09/10 8:20	kpowers	P27230
Metals by ICP									
Arsenic	**9.1**	mg/kg	0.53	0.060	1	6010B	04/09/10 0:41	pfitzgerald	Q49277
Barium	**140**	mg/kg	2.7	0.40	5	6010B	04/14/10 0:58	dsullivan	Q49277
Cadmium	**2.4**	mg/kg	0.27	0.028	1	6010B	04/09/10 0:41	pfitzgerald	Q49277
Chromium	**29**	mg/kg	0.27	0.037	1	6010B	04/09/10 0:41	pfitzgerald	Q49277
Lead	**770**	mg/kg	2.7	0.66	10	6010B	04/14/10 23:22	dsullivan	Q49277
Selenium	**BRL**	mg/kg	2.7	0.54	5	6010B	04/14/10 0:58	dsullivan	Q49277
Silver	**BRL**	mg/kg	0.27	0.027	1	6010B	04/09/10 0:41	pfitzgerald	Q49277
Sample Preparation:				2 g /	50 mL	3050B	04/07/10 9:15	jbrayton	P27212

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services

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Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-6-6-8
Prism Sample ID: 275461
COC Group: G0410028
Time Collected: 03/30/10 10:25
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	**83.7**	%			1	SM2540 G	04/05/10 13:30	jbrayton	
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	**BRL**	µg/kg	4.8	1.6	1	8260B	04/06/10 14:30	erussell	Q49229
1,1,1-Trichloroethane	**BRL**	µg/kg	4.8	1.1	1	8260B	04/06/10 14:30	erussell	Q49229
1,1,2,2-Tetrachloroethane	**BRL**	µg/kg	4.8	1.3	1	8260B	04/06/10 14:30	erussell	Q49229
1,1,2-Trichloroethane	**BRL**	µg/kg	4.8	1.4	1	8260B	04/06/10 14:30	erussell	Q49229
1,1-Dichloroethane	**BRL**	µg/kg	4.8	1.2	1	8260B	04/06/10 14:30	erussell	Q49229
1,1-Dichloroethene	**BRL**	µg/kg	4.8	1.1	1	8260B	04/06/10 14:30	erussell	Q49229
1,1-Dichloropropene	**BRL**	µg/kg	4.8	1.0	1	8260B	04/06/10 14:30	erussell	Q49229
1,2,3-Trichlorobenzene	**BRL**	µg/kg	9.6	1.6	1	8260B	04/06/10 14:30	erussell	Q49229
1,2,3-Trichloropropane	**BRL**	µg/kg	4.8	2.0	1	8260B	04/06/10 14:30	erussell	Q49229
1,2,4-Trichlorobenzene	**BRL**	µg/kg	9.6	1.3	1	8260B	04/06/10 14:30	erussell	Q49229
1,2,4-Trimethylbenzene	**BRL**	µg/kg	9.6	1.2	1	8260B	04/06/10 14:30	erussell	Q49229
1,2-Dibromo-3-chloropropane	**BRL**	µg/kg	4.8	1.7	1	8260B	04/06/10 14:30	erussell	Q49229
1,2-Dibromoethane (EDB)	**BRL**	µg/kg	4.8	1.3	1	8260B	04/06/10 14:30	erussell	Q49229
1,2-Dichlorobenzene	**BRL**	µg/kg	9.6	1.3	1	8260B	04/06/10 14:30	erussell	Q49229
1,2-Dichloroethane	**BRL**	µg/kg	4.8	1.3	1	8260B	04/06/10 14:30	erussell	Q49229
1,2-Dichloropropane	**BRL**	µg/kg	4.8	1.4	1	8260B	04/06/10 14:30	erussell	Q49229
1,3,5-Trimethylbenzene	**BRL**	µg/kg	9.6	1.3	1	8260B	04/06/10 14:30	erussell	Q49229
1,3-Dichlorobenzene	**BRL**	µg/kg	9.6	1.2	1	8260B	04/06/10 14:30	erussell	Q49229
1,3-Dichloropropane	**BRL**	µg/kg	4.8	0.98	1	8260B	04/06/10 14:30	erussell	Q49229
1,4-Dichlorobenzene	**BRL**	µg/kg	9.6	1.2	1	8260B	04/06/10 14:30	erussell	Q49229
2,2-Dichloropropane	**BRL**	µg/kg	4.8	1.1	1	8260B	04/06/10 14:30	erussell	Q49229
2-Chloroethyl vinyl ether	**BRL**	µg/kg	9.6	1.4	1	8260B	04/06/10 14:30	erussell	Q49229
2-Chlorotoluene	**BRL**	µg/kg	9.6	1.2	1	8260B	04/06/10 14:30	erussell	Q49229
2-Hexanone	**BRL**	µg/kg	48	1.5	1	8260B	04/06/10 14:30	erussell	Q49229

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04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-6-6-8
Prism Sample ID: 275461
COC Group: G0410028
Time Collected: 03/30/10 10:25
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	µg/kg	9.6	1.2	1	8260B	04/06/10 14:30	erussell	Q49229
4-Methyl-2-pentanone (MIBK)	BRL	µg/kg	9.6	1.1	1	8260B	04/06/10 14:30	erussell	Q49229
Acetone	BRL	µg/kg	19	2.1	1	8260B	04/06/10 14:30	erussell	Q49229
Benzene	BRL	µg/kg	2.9	1.3	1	8260B	04/06/10 14:30	erussell	Q49229
Bromobenzene	BRL	µg/kg	4.8	1.2	1	8260B	04/06/10 14:30	erussell	Q49229
Bromochloromethane	BRL	µg/kg	4.8	1.3	1	8260B	04/06/10 14:30	erussell	Q49229
Bromodichloromethane	BRL	µg/kg	4.8	1.1	1	8260B	04/06/10 14:30	erussell	Q49229
Bromoform	BRL	µg/kg	4.8	1.1	1	8260B	04/06/10 14:30	erussell	Q49229
Bromomethane	BRL	µg/kg	9.6	1.2	1	8260B	04/06/10 14:30	erussell	Q49229
Carbon disulfide	BRL	µg/kg	9.6	0.98	1	8260B	04/06/10 14:30	erussell	Q49229
Carbon tetrachloride	BRL	µg/kg	4.8	1.4	1	8260B	04/06/10 14:30	erussell	Q49229
Chlorobenzene	BRL	µg/kg	4.8	1.1	1	8260B	04/06/10 14:30	erussell	Q49229
Chlorodibromomethane	BRL	µg/kg	4.8	1.2	1	8260B	04/06/10 14:30	erussell	Q49229
Chloroethane	BRL	µg/kg	9.6	2.5	1	8260B	04/06/10 14:30	erussell	Q49229
Chloroform	BRL	µg/kg	4.8	1.2	1	8260B	04/06/10 14:30	erussell	Q49229
Chloromethane	BRL	µg/kg	9.6	1.1	1	8260B	04/06/10 14:30	erussell	Q49229
cis-1,2-Dichloroethene	BRL	µg/kg	4.8	1.1	1	8260B	04/06/10 14:30	erussell	Q49229
cis-1,3-Dichloropropene	BRL	µg/kg	4.8	1.1	1	8260B	04/06/10 14:30	erussell	Q49229
Dibromomethane	BRL	µg/kg	4.8	1.4	1	8260B	04/06/10 14:30	erussell	Q49229
Dichlorodifluoromethane	BRL	µg/kg	9.6	0.98	1	8260B	04/06/10 14:30	erussell	Q49229
Ethylbenzene	BRL	µg/kg	4.8	1.0	1	8260B	04/06/10 14:30	erussell	Q49229
Hexachlorobutadiene	BRL	µg/kg	14	1.1	1	8260B	04/06/10 14:30	erussell	Q49229
Isopropyl ether (IPE)	BRL	µg/kg	4.8	1.2	1	8260B	04/06/10 14:30	erussell	Q49229
Isopropylbenzene	BRL	µg/kg	9.6	1.1	1	8260B	04/06/10 14:30	erussell	Q49229
m,p-Xylenes	BRL	µg/kg	9.6	2.6	1	8260B	04/06/10 14:30	erussell	Q49229
Methyl ethyl ketone (MEK)	BRL	µg/kg	19	1.2	1	8260B	04/06/10 14:30	erussell	Q49229
Methyl t-butyl ether (MTBE)	BRL	µg/kg	4.8	1.0	1	8260B	04/06/10 14:30	erussell	Q49229

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Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-6-6-8
Prism Sample ID: 275461
COC Group: G0410028
Time Collected: 03/30/10 10:25
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methylene chloride	**BRL**	µg/kg	9.6	1.3	1	8260B	04/06/10 14:30	erussell	Q49229
n-Butylbenzene	**BRL**	µg/kg	14	1.8	1	8260B	04/06/10 14:30	erussell	Q49229
n-Propylbenzene	**BRL**	µg/kg	9.6	1.4	1	8260B	04/06/10 14:30	erussell	Q49229
Naphthalene	**BRL**	µg/kg	4.8	2.6	1	8260B	04/06/10 14:30	erussell	Q49229
o-Xylene	**BRL**	µg/kg	4.8	1.1	1	8260B	04/06/10 14:30	erussell	Q49229
p-Isopropyltoluene	**BRL**	µg/kg	14	1.4	1	8260B	04/06/10 14:30	erussell	Q49229
sec-Butylbenzene	**BRL**	µg/kg	14	1.3	1	8260B	04/06/10 14:30	erussell	Q49229
Styrene	**BRL**	µg/kg	4.8	0.93	1	8260B	04/06/10 14:30	erussell	Q49229
tert-Butylbenzene	**BRL**	µg/kg	19	1.3	1	8260B	04/06/10 14:30	erussell	Q49229
Tetrachloroethene	**BRL**	µg/kg	9.6	1.2	1	8260B	04/06/10 14:30	erussell	Q49229
Toluene	**BRL**	µg/kg	4.8	1.2	1	8260B	04/06/10 14:30	erussell	Q49229
trans-1,2-Dichloroethene	**BRL**	µg/kg	4.8	0.95	1	8260B	04/06/10 14:30	erussell	Q49229
trans-1,3-Dichloropropene	**BRL**	µg/kg	4.8	0.96	1	8260B	04/06/10 14:30	erussell	Q49229
Trichloroethene	**BRL**	µg/kg	4.8	1.4	1	8260B	04/06/10 14:30	erussell	Q49229
Trichlorofluoromethane	**BRL**	µg/kg	4.8	1.4	1	8260B	04/06/10 14:30	erussell	Q49229
Vinyl chloride	**BRL**	µg/kg	9.6	1.3	1	8260B	04/06/10 14:30	erussell	Q49229

Surrogate	% Recovery	Control Limits
Toluene-d8	103	81 - 128
Dibromofluoromethane	105	67 - 143
Bromofluorobenzene	98	77 - 128

Sample Weight Determination

Weight Bisulfate 1	**6.15**	g			1	5035	04/06/10	lbrown	
Weight Bisulfate 2	**6.20**	g			1	5035	04/06/10	lbrown	
Weight Methanol	**6.00**	g			1	5035	04/06/10	lbrown	

Semi-volatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	**BRL**	µg/kg	390	43	1	8270C	04/07/10 23:04	cphilbrick	Q49259

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Laboratory Report

04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-6-6-8
Prism Sample ID: 275461
COC Group: G0410028
Time Collected: 03/30/10 10:25
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2-Dichlorobenzene	BRL	µg/kg	390	43	1	8270C	04/07/10 23:04	cphilbrick	Q49259
1,3-Dichlorobenzene	BRL	µg/kg	390	38	1	8270C	04/07/10 23:04	cphilbrick	Q49259
1,4-Dichlorobenzene	BRL	µg/kg	390	47	1	8270C	04/07/10 23:04	cphilbrick	Q49259
2,4,5-Trichlorophenol	BRL	µg/kg	390	47	1	8270C	04/07/10 23:04	cphilbrick	Q49259
2,4,6-Trichlorophenol	BRL	µg/kg	390	42	1	8270C	04/07/10 23:04	cphilbrick	Q49259
2,4-Dichlorophenol	BRL	µg/kg	390	26	1	8270C	04/07/10 23:04	cphilbrick	Q49259
2,4-Dimethylphenol	BRL	µg/kg	390	58	1	8270C	04/07/10 23:04	cphilbrick	Q49259
2,4-Dinitrophenol	BRL	µg/kg	390	110	1	8270C	04/07/10 23:04	cphilbrick	Q49259
2,4-Dinitrotoluene	BRL	µg/kg	390	52	1	8270C	04/07/10 23:04	cphilbrick	Q49259
2,6-Dinitrotoluene	BRL	µg/kg	390	71	1	8270C	04/07/10 23:04	cphilbrick	Q49259
2-Chloronaphthalene	BRL	µg/kg	390	49	1	8270C	04/07/10 23:04	cphilbrick	Q49259
2-Chlorophenol	BRL	µg/kg	390	16	1	8270C	04/07/10 23:04	cphilbrick	Q49259
2-Methylnaphthalene	BRL	µg/kg	390	44	1	8270C	04/07/10 23:04	cphilbrick	Q49259
2-Methylphenol	BRL	µg/kg	390	32	1	8270C	04/07/10 23:04	cphilbrick	Q49259
2-Nitrophenol	BRL	µg/kg	390	55	1	8270C	04/07/10 23:04	cphilbrick	Q49259
3&4-Methylphenol	BRL	µg/kg	390	46	1	8270C	04/07/10 23:04	cphilbrick	Q49259
3,3'-Dichlorobenzidine	BRL	µg/kg	390	71	1	8270C	04/07/10 23:04	cphilbrick	Q49259
4,6-Dinitro-2-methylphenol	BRL	µg/kg	390	34	1	8270C	04/07/10 23:04	cphilbrick	Q49259
4-Bromophenylphenylether	BRL	µg/kg	390	49	1	8270C	04/07/10 23:04	cphilbrick	Q49259
4-Chloro-3-methylphenol	BRL	µg/kg	390	46	1	8270C	04/07/10 23:04	cphilbrick	Q49259
4-Chlorophenylphenylether	BRL	µg/kg	390	49	1	8270C	04/07/10 23:04	cphilbrick	Q49259
4-Nitrophenol	BRL	µg/kg	390	50	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Acenaphthene	BRL	µg/kg	390	53	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Acenaphthylene	BRL	µg/kg	390	37	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Anthracene	BRL	µg/kg	390	29	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Benzo(a)anthracene	BRL	µg/kg	390	44	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Benzo(a)pyrene	BRL	µg/kg	390	50	1	8270C	04/07/10 23:04	cphilbrick	Q49259

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Laboratory Report

04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-6-6-8
Prism Sample ID: 275461
COC Group: G0410028
Time Collected: 03/30/10 10:25
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Benzo(b)fluoranthene	BRL	µg/kg	390	80	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Benzo(g,h,i)perylene	BRL	µg/kg	390	50	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Benzo(k)fluoranthene	BRL	µg/kg	390	110	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Bis(2-chloroethoxy)methane	BRL	µg/kg	390	66	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Bis(2-chloroethyl)ether	BRL	µg/kg	390	49	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Bis(2-chloroisopropyl)ether	BRL	µg/kg	390	39	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Bis(2-ethylhexyl)phthalate	BRL	µg/kg	390	30	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Butylbenzylphthalate	BRL	µg/kg	390	48	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Chrysene	BRL	µg/kg	390	26	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Di-n-butylphthalate	BRL	µg/kg	390	63	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Di-n-octylphthalate	BRL	µg/kg	390	110	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Dibenzo(a,h)anthracene	BRL	µg/kg	390	37	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Dibenzofuran	BRL	µg/kg	390	48	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Diethylphthalate	BRL	µg/kg	390	100	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Dimethylphthalate	BRL	µg/kg	390	58	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Fluoranthene	BRL	µg/kg	390	69	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Fluorene	BRL	µg/kg	390	56	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Hexachlorobenzene	BRL	µg/kg	390	54	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Hexachlorobutadiene	BRL	µg/kg	390	39	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Hexachlorocyclopentadiene	BRL	µg/kg	390	58	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Hexachloroethane	BRL	µg/kg	390	16	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Indeno(1,2,3-cd)pyrene	BRL	µg/kg	390	37	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Isophorone	BRL	µg/kg	390	37	1	8270C	04/07/10 23:04	cphilbrick	Q49259
N-Nitrosodi-n-propylamine	BRL	µg/kg	390	23	1	8270C	04/07/10 23:04	cphilbrick	Q49259
N-Nitrosodiphenylamine	BRL	µg/kg	390	57	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Naphthalene	BRL	µg/kg	390	47	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Nitrobenzene	BRL	µg/kg	390	49	1	8270C	04/07/10 23:04	cphilbrick	Q49259

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Laboratory Report

04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-6-6-8
Prism Sample ID: 275461
COC Group: G0410028
Time Collected: 03/30/10 10:25
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Pentachlorophenol	**BRL**	µg/kg	390	60	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Phenanthrene	**BRL**	µg/kg	390	33	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Phenol	**BRL**	µg/kg	390	69	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Pyrene	**BRL**	µg/kg	390	75	1	8270C	04/07/10 23:04	cphilbrick	Q49259
Sample Preparation:			30.13 g	/	1 mL	3550B	04/06/10 13:30	aguptill	P27199

Surrogate	% Recovery	Control Limits
Terphenyl-d14	102	41 - 136
Phenol-d5	68	13 - 95
Nitrobenzene-d5	71	14 - 103
2-Fluorophenol	70	14 - 89
2-Fluorobiphenyl	72	21 - 108
2,4,6-Tribromophenol	79	25 - 123

Diesel Range Organics (DRO) by GC-FID

Diesel Range Organics (DRO)	**BRL**	mg/kg	8.3	1.3	1	8015B	04/08/10 18:40	jvogel	Q49287
Sample Preparation:			25.06 g	/	1 mL	3545	04/07/10 17:00	athao	P27216

Surrogate	% Recovery	Control Limits
o-Terphenyl	61	49 - 124

Sample Weight Determination

Weight 1	**6.16**	g			1	GRO	04/06/10 0:00	lbrown
Weight 2	**6.52**	g			1	GRO	04/06/10 0:00	lbrown

Gasoline Range Organics (GRO) by GC-FID

Gasoline Range Organics (GRO)	**BRL**	mg/kg	6.0	3.7	50	8015B	04/08/10 18:36	heasler	Q49295

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Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-6-6-8
Prism Sample ID: 275461
COC Group: G0410028
Time Collected: 03/30/10 10:25
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Surrogate							**% Recovery**		**Control Limits**
aaa-TFT							81		55 - 129
Mercury by CVAA									
Mercury	**0.051**	mg/kg	0.024	0.0016	1	7471A	04/09/10 15:33	kpowers	Q49336
Sample Preparation:				0.6 g /	30 mL	7471A	04/09/10 8:20	kpowers	P27230
Metals by ICP									
Arsenic	**2.7**	mg/kg	0.60	0.068	1	6010B	04/09/10 1:00	pfitzgerald	Q49277
Barium	**52**	mg/kg	3.0	0.44	5	6010B	04/14/10 1:05	dsullivan	Q49277
Cadmium	**1.5**	mg/kg	0.30	0.032	1	6010B	04/09/10 1:00	pfitzgerald	Q49277
Chromium	**55**	mg/kg	0.30	0.041	1	6010B	04/09/10 1:00	pfitzgerald	Q49277
Lead	**16**	mg/kg	1.5	0.37	5	6010B	04/14/10 1:05	dsullivan	Q49277
Selenium	**BRL**	mg/kg	3.0	0.60	5	6010B	04/14/10 1:05	dsullivan	Q49277
Silver	**BRL**	mg/kg	0.30	0.030	1	6010B	04/09/10 1:00	pfitzgerald	Q49277
Sample Preparation:				2.01 g /	50 mL	3050B	04/07/10 9:15	jbrayton	P27212

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543

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Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-7-6-8
Prism Sample ID: 275462
COC Group: G0410028
Time Collected: 03/30/10 10:55
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	**81.4**	%			1	SM2540 G	04/05/10 13:30	jbrayton	
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	**BRL**	µg/kg	4.9	1.6	1	8260B	04/06/10 13:56	erussell	Q49229
1,1,1-Trichloroethane	**BRL**	µg/kg	4.9	1.1	1	8260B	04/06/10 13:56	erussell	Q49229
1,1,2,2-Tetrachloroethane	**BRL**	µg/kg	4.9	1.4	1	8260B	04/06/10 13:56	erussell	Q49229
1,1,2-Trichloroethane	**BRL**	µg/kg	4.9	1.4	1	8260B	04/06/10 13:56	erussell	Q49229
1,1-Dichloroethane	**BRL**	µg/kg	4.9	1.3	1	8260B	04/06/10 13:56	erussell	Q49229
1,1-Dichloroethene	**BRL**	µg/kg	4.9	1.2	1	8260B	04/06/10 13:56	erussell	Q49229
1,1-Dichloropropene	**BRL**	µg/kg	4.9	1.0	1	8260B	04/06/10 13:56	erussell	Q49229
1,2,3-Trichlorobenzene	**BRL**	µg/kg	9.8	1.6	1	8260B	04/06/10 13:56	erussell	Q49229
1,2,3-Trichloropropane	**BRL**	µg/kg	4.9	2.0	1	8260B	04/06/10 13:56	erussell	Q49229
1,2,4-Trichlorobenzene	**BRL**	µg/kg	9.8	1.3	1	8260B	04/06/10 13:56	erussell	Q49229
1,2,4-Trimethylbenzene	**BRL**	µg/kg	9.8	1.2	1	8260B	04/06/10 13:56	erussell	Q49229
1,2-Dibromo-3-chloropropane	**BRL**	µg/kg	4.9	1.8	1	8260B	04/06/10 13:56	erussell	Q49229
1,2-Dibromoethane (EDB)	**BRL**	µg/kg	4.9	1.4	1	8260B	04/06/10 13:56	erussell	Q49229
1,2-Dichlorobenzene	**BRL**	µg/kg	9.8	1.3	1	8260B	04/06/10 13:56	erussell	Q49229
1,2-Dichloroethane	**BRL**	µg/kg	4.9	1.3	1	8260B	04/06/10 13:56	erussell	Q49229
1,2-Dichloropropane	**BRL**	µg/kg	4.9	1.5	1	8260B	04/06/10 13:56	erussell	Q49229
1,3,5-Trimethylbenzene	**BRL**	µg/kg	9.8	1.3	1	8260B	04/06/10 13:56	erussell	Q49229
1,3-Dichlorobenzene	**BRL**	µg/kg	9.8	1.2	1	8260B	04/06/10 13:56	erussell	Q49229
1,3-Dichloropropane	**BRL**	µg/kg	4.9	1.0	1	8260B	04/06/10 13:56	erussell	Q49229
1,4-Dichlorobenzene	**BRL**	µg/kg	9.8	1.2	1	8260B	04/06/10 13:56	erussell	Q49229
2,2-Dichloropropane	**BRL**	µg/kg	4.9	1.2	1	8260B	04/06/10 13:56	erussell	Q49229
2-Chloroethyl vinyl ether	**BRL**	µg/kg	9.8	1.5	1	8260B	04/06/10 13:56	erussell	Q49229
2-Chlorotoluene	**BRL**	µg/kg	9.8	1.3	1	8260B	04/06/10 13:56	erussell	Q49229
2-Hexanone	**BRL**	µg/kg	49	1.5	1	8260B	04/06/10 13:56	erussell	Q49229

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Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-7-6-8
Prism Sample ID: 275462
COC Group: G0410028
Time Collected: 03/30/10 10:55
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	µg/kg	9.8	1.2	1	8260B	04/06/10 13:56	erussell	Q49229
4-Methyl-2-pentanone (MIBK)	BRL	µg/kg	9.8	1.1	1	8260B	04/06/10 13:56	erussell	Q49229
Acetone	BRL	µg/kg	20	2.1	1	8260B	04/06/10 13:56	erussell	Q49229
Benzene	BRL	µg/kg	2.9	1.3	1	8260B	04/06/10 13:56	erussell	Q49229
Bromobenzene	BRL	µg/kg	4.9	1.2	1	8260B	04/06/10 13:56	erussell	Q49229
Bromochloromethane	BRL	µg/kg	4.9	1.3	1	8260B	04/06/10 13:56	erussell	Q49229
Bromodichloromethane	BRL	µg/kg	4.9	1.1	1	8260B	04/06/10 13:56	erussell	Q49229
Bromoform	BRL	µg/kg	4.9	1.1	1	8260B	04/06/10 13:56	erussell	Q49229
Bromomethane	BRL	µg/kg	9.8	1.2	1	8260B	04/06/10 13:56	erussell	Q49229
Carbon disulfide	BRL	µg/kg	9.8	0.99	1	8260B	04/06/10 13:56	erussell	Q49229
Carbon tetrachloride	BRL	µg/kg	4.9	1.4	1	8260B	04/06/10 13:56	erussell	Q49229
Chlorobenzene	BRL	µg/kg	4.9	1.1	1	8260B	04/06/10 13:56	erussell	Q49229
Chlorodibromomethane	BRL	µg/kg	4.9	1.2	1	8260B	04/06/10 13:56	erussell	Q49229
Chloroethane	BRL	µg/kg	9.8	2.5	1	8260B	04/06/10 13:56	erussell	Q49229
Chloroform	BRL	µg/kg	4.9	1.2	1	8260B	04/06/10 13:56	erussell	Q49229
Chloromethane	BRL	µg/kg	9.8	1.2	1	8260B	04/06/10 13:56	erussell	Q49229
cis-1,2-Dichloroethene	BRL	µg/kg	4.9	1.2	1	8260B	04/06/10 13:56	erussell	Q49229
cis-1,3-Dichloropropene	BRL	µg/kg	4.9	1.2	1	8260B	04/06/10 13:56	erussell	Q49229
Dibromomethane	BRL	µg/kg	4.9	1.4	1	8260B	04/06/10 13:56	erussell	Q49229
Dichlorodifluoromethane	BRL	µg/kg	9.8	1.0	1	8260B	04/06/10 13:56	erussell	Q49229
Ethylbenzene	BRL	µg/kg	4.9	1.0	1	8260B	04/06/10 13:56	erussell	Q49229
Hexachlorobutadiene	BRL	µg/kg	15	1.2	1	8260B	04/06/10 13:56	erussell	Q49229
Isopropyl ether (IPE)	BRL	µg/kg	4.9	1.2	1	8260B	04/06/10 13:56	erussell	Q49229
Isopropylbenzene	BRL	µg/kg	9.8	1.1	1	8260B	04/06/10 13:56	erussell	Q49229
m,p-Xylenes	BRL	µg/kg	9.8	2.6	1	8260B	04/06/10 13:56	erussell	Q49229
Methyl ethyl ketone (MEK)	BRL	µg/kg	20	1.3	1	8260B	04/06/10 13:56	erussell	Q49229
Methyl t-butyl ether (MTBE)	BRL	µg/kg	4.9	1.0	1	8260B	04/06/10 13:56	erussell	Q49229

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

Laboratory Report

04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-7-6-8
Prism Sample ID: 275462
COC Group: G0410028
Time Collected: 03/30/10 10:55
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methylene chloride	BRL	µg/kg	9.8	1.3	1	8260B	04/06/10 13:56	erussell	Q49229
n-Butylbenzene	BRL	µg/kg	15	1.8	1	8260B	04/06/10 13:56	erussell	Q49229
n-Propylbenzene	BRL	µg/kg	9.8	1.4	1	8260B	04/06/10 13:56	erussell	Q49229
Naphthalene	BRL	µg/kg	4.9	2.7	1	8260B	04/06/10 13:56	erussell	Q49229
o-Xylene	BRL	µg/kg	4.9	1.1	1	8260B	04/06/10 13:56	erussell	Q49229
p-Isopropyltoluene	BRL	µg/kg	15	1.4	1	8260B	04/06/10 13:56	erussell	Q49229
sec-Butylbenzene	BRL	µg/kg	15	1.3	1	8260B	04/06/10 13:56	erussell	Q49229
Styrene	BRL	µg/kg	4.9	0.95	1	8260B	04/06/10 13:56	erussell	Q49229
tert-Butylbenzene	BRL	µg/kg	20	1.3	1	8260B	04/06/10 13:56	erussell	Q49229
Tetrachloroethene	BRL	µg/kg	9.8	1.3	1	8260B	04/06/10 13:56	erussell	Q49229
Toluene	BRL	µg/kg	4.9	1.2	1	8260B	04/06/10 13:56	erussell	Q49229
trans-1,2-Dichloroethene	BRL	µg/kg	4.9	0.97	1	8260B	04/06/10 13:56	erussell	Q49229
trans-1,3-Dichloropropene	BRL	µg/kg	4.9	0.98	1	8260B	04/06/10 13:56	erussell	Q49229
Trichloroethene	BRL	µg/kg	4.9	1.4	1	8260B	04/06/10 13:56	erussell	Q49229
Trichlorofluoromethane	BRL	µg/kg	4.9	1.4	1	8260B	04/06/10 13:56	erussell	Q49229
Vinyl chloride	BRL	µg/kg	9.8	1.3	1	8260B	04/06/10 13:56	erussell	Q49229

Surrogate	% Recovery	Control Limits
Toluene-d8	103	81 - 128
Dibromofluoromethane	104	67 - 143
Bromofluorobenzene	97	77 - 128

Sample Weight Determination

Weight Bisulfate 1	6.28	g	1	5035	04/06/10	lbrown	
Weight Bisulfate 2	5.92	g	1	5035	04/06/10	lbrown	
Weight Methanol	6.23	g	1	5035	04/06/10	lbrown	

Semi-volatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	BRL	µg/kg	400	45	1	8270C	04/07/10 23:34	cphilbrick	Q49259

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Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-7-6-8
Prism Sample ID: 275462
COC Group: G0410028
Time Collected: 03/30/10 10:55
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2-Dichlorobenzene	BRL	µg/kg	400	45	1	8270C	04/07/10 23:34	cphilbrick	Q49259
1,3-Dichlorobenzene	BRL	µg/kg	400	39	1	8270C	04/07/10 23:34	cphilbrick	Q49259
1,4-Dichlorobenzene	BRL	µg/kg	400	48	1	8270C	04/07/10 23:34	cphilbrick	Q49259
2,4,5-Trichlorophenol	BRL	µg/kg	400	48	1	8270C	04/07/10 23:34	cphilbrick	Q49259
2,4,6-Trichlorophenol	BRL	µg/kg	400	44	1	8270C	04/07/10 23:34	cphilbrick	Q49259
2,4-Dichlorophenol	BRL	µg/kg	400	27	1	8270C	04/07/10 23:34	cphilbrick	Q49259
2,4-Dimethylphenol	BRL	µg/kg	400	60	1	8270C	04/07/10 23:34	cphilbrick	Q49259
2,4-Dinitrophenol	BRL	µg/kg	400	120	1	8270C	04/07/10 23:34	cphilbrick	Q49259
2,4-Dinitrotoluene	BRL	µg/kg	400	53	1	8270C	04/07/10 23:34	cphilbrick	Q49259
2,6-Dinitrotoluene	BRL	µg/kg	400	73	1	8270C	04/07/10 23:34	cphilbrick	Q49259
2-Chloronaphthalene	BRL	µg/kg	400	51	1	8270C	04/07/10 23:34	cphilbrick	Q49259
2-Chlorophenol	BRL	µg/kg	400	17	1	8270C	04/07/10 23:34	cphilbrick	Q49259
2-Methylnaphthalene	BRL	µg/kg	400	45	1	8270C	04/07/10 23:34	cphilbrick	Q49259
2-Methylphenol	BRL	µg/kg	400	33	1	8270C	04/07/10 23:34	cphilbrick	Q49259
2-Nitrophenol	BRL	µg/kg	400	57	1	8270C	04/07/10 23:34	cphilbrick	Q49259
3&4-Methylphenol	BRL	µg/kg	400	47	1	8270C	04/07/10 23:34	cphilbrick	Q49259
3,3´-Dichlorobenzidine	BRL	µg/kg	400	73	1	8270C	04/07/10 23:34	cphilbrick	Q49259
4,6-Dinitro-2-methylphenol	BRL	µg/kg	400	35	1	8270C	04/07/10 23:34	cphilbrick	Q49259
4-Bromophenylphenylether	BRL	µg/kg	400	50	1	8270C	04/07/10 23:34	cphilbrick	Q49259
4-Chloro-3-methylphenol	BRL	µg/kg	400	48	1	8270C	04/07/10 23:34	cphilbrick	Q49259
4-Chlorophenylphenylether	BRL	µg/kg	400	51	1	8270C	04/07/10 23:34	cphilbrick	Q49259
4-Nitrophenol	BRL	µg/kg	400	52	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Acenaphthene	BRL	µg/kg	400	55	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Acenaphthylene	BRL	µg/kg	400	38	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Anthracene	BRL	µg/kg	400	29	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Benzo(a)anthracene	BRL	µg/kg	400	46	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Benzo(a)pyrene	BRL	µg/kg	400	51	1	8270C	04/07/10 23:34	cphilbrick	Q49259

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Laboratory Report

04/19/10

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Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-7-6-8
Prism Sample ID: 275462
COC Group: G0410028
Time Collected: 03/30/10 10:55
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Benzo(b)fluoranthene	BRL	µg/kg	400	83	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Benzo(g,h,i)perylene	BRL	µg/kg	400	52	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Benzo(k)fluoranthene	BRL	µg/kg	400	110	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Bis(2-chloroethoxy)methane	BRL	µg/kg	400	68	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Bis(2-chloroethyl)ether	BRL	µg/kg	400	50	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Bis(2-chloroisopropyl)ether	BRL	µg/kg	400	41	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Bis(2-ethylhexyl)phthalate	BRL	µg/kg	400	31	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Butylbenzylphthalate	BRL	µg/kg	400	50	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Chrysene	BRL	µg/kg	400	27	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Di-n-butylphthalate	BRL	µg/kg	400	65	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Di-n-octylphthalate	BRL	µg/kg	400	120	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Dibenzo(a,h)anthracene	BRL	µg/kg	400	38	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Dibenzofuran	BRL	µg/kg	400	49	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Diethylphthalate	BRL	µg/kg	400	100	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Dimethylphthalate	BRL	µg/kg	400	60	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Fluoranthene	BRL	µg/kg	400	72	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Fluorene	BRL	µg/kg	400	58	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Hexachlorobenzene	BRL	µg/kg	400	56	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Hexachlorobutadiene	BRL	µg/kg	400	40	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Hexachlorocyclopentadiene	BRL	µg/kg	400	60	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Hexachloroethane	BRL	µg/kg	400	17	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Indeno(1,2,3-cd)pyrene	BRL	µg/kg	400	38	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Isophorone	BRL	µg/kg	400	39	1	8270C	04/07/10 23:34	cphilbrick	Q49259
N-Nitrosodi-n-propylamine	BRL	µg/kg	400	24	1	8270C	04/07/10 23:34	cphilbrick	Q49259
N-Nitrosodiphenylamine	BRL	µg/kg	400	59	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Naphthalene	BRL	µg/kg	400	48	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Nitrobenzene	BRL	µg/kg	400	51	1	8270C	04/07/10 23:34	cphilbrick	Q49259

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Laboratory Report

04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-7-6-8
Prism Sample ID: 275462
COC Group: G0410028
Time Collected: 03/30/10 10:55
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Pentachlorophenol	**BRL**	µg/kg	400	62	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Phenanthrene	**BRL**	µg/kg	400	34	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Phenol	**BRL**	µg/kg	400	71	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Pyrene	**BRL**	µg/kg	400	77	1	8270C	04/07/10 23:34	cphilbrick	Q49259
Sample Preparation:			30.04 g	/	1 mL	3550B	04/06/10 13:30	aguptill	P27199

Surrogate	% Recovery	Control Limits
Terphenyl-d14	96	41 - 136
Phenol-d5	82	13 - 95
Nitrobenzene-d5	84	14 - 103
2-Fluorophenol	87	14 - 89
2-Fluorobiphenyl	82	21 - 108
2,4,6-Tribromophenol	79	25 - 123

Diesel Range Organics (DRO) by GC-FID

Diesel Range Organics (DRO)	**BRL**	mg/kg	8.6	1.4	1	8015B	04/09/10 4:09	jvogel	Q49287
Sample Preparation:			25.12 g	/	1 mL	3545	04/07/10 17:00	athao	P27216

Surrogate	% Recovery	Control Limits
o-Terphenyl	77	49 - 124

Sample Weight Determination

Weight 1	**4.82**	g			1	GRO	04/06/10 0:00	lbrown	
Weight 2	**5.66**	g			1	GRO	04/06/10 0:00	lbrown	

Gasoline Range Organics (GRO) by GC-FID

Gasoline Range Organics (GRO)	**BRL**	mg/kg	6.1	3.8	50	8015B	04/08/10 19:07	heasler	Q49295

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Sample Matrix: Soil

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Prism Sample ID: 275462
COC Group: G0410028
Time Collected: 03/30/10 10:55
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Surrogate							**% Recovery**		**Control Limits**
aaa-TFT							82		55 - 129
Mercury by CVAA									
Mercury	**0.030**	mg/kg	0.025	0.0017	1	7471A	04/09/10 15:37	kpowers	Q49336
Sample Preparation:				0.6 g /	30 mL	7471A	04/09/10 8:20	kpowers	P27230
Metals by ICP									
Arsenic	**BRL**	mg/kg	0.61	0.069	1	6010B	04/09/10 1:07	pfitzgerald	Q49277
Barium	**140**	mg/kg	3.1	0.46	5	6010B	04/14/10 1:11	dsullivan	Q49277
Cadmium	**2.7**	mg/kg	0.31	0.033	1	6010B	04/09/10 1:07	pfitzgerald	Q49277
Chromium	**32**	mg/kg	0.31	0.042	1	6010B	04/09/10 1:07	pfitzgerald	Q49277
Lead	**17**	mg/kg	1.5	0.38	5	6010B	04/14/10 1:11	dsullivan	Q49277
Selenium	**BRL**	mg/kg	3.1	0.62	5	6010B	04/14/10 1:11	dsullivan	Q49277
Silver	**BRL**	mg/kg	0.31	0.031	1	6010B	04/09/10 1:07	pfitzgerald	Q49277
Sample Preparation:				2.04 g /	50 mL	3050B	04/07/10 9:15	jbrayton	P27212

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543

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Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-8-6-8
Prism Sample ID: 275463
COC Group: G0410028
Time Collected: 03/30/10 11:20
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	**81.9**	%			1	SM2540 G	04/05/10 13:30	jbrayton	
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	**BRL**	µg/kg	4.3	1.4	1	8260B	04/06/10 13:23	erussell	Q49229
1,1,1-Trichloroethane	**BRL**	µg/kg	4.3	0.98	1	8260B	04/06/10 13:23	erussell	Q49229
1,1,2,2-Tetrachloroethane	**BRL**	µg/kg	4.3	1.2	1	8260B	04/06/10 13:23	erussell	Q49229
1,1,2-Trichloroethane	**BRL**	µg/kg	4.3	1.2	1	8260B	04/06/10 13:23	erussell	Q49229
1,1-Dichloroethane	**BRL**	µg/kg	4.3	1.1	1	8260B	04/06/10 13:23	erussell	Q49229
1,1-Dichloroethene	**BRL**	µg/kg	4.3	1.0	1	8260B	04/06/10 13:23	erussell	Q49229
1,1-Dichloropropene	**BRL**	µg/kg	4.3	0.89	1	8260B	04/06/10 13:23	erussell	Q49229
1,2,3-Trichlorobenzene	**BRL**	µg/kg	8.5	1.4	1	8260B	04/06/10 13:23	erussell	Q49229
1,2,3-Trichloropropane	**BRL**	µg/kg	4.3	1.8	1	8260B	04/06/10 13:23	erussell	Q49229
1,2,4-Trichlorobenzene	**BRL**	µg/kg	8.5	1.2	1	8260B	04/06/10 13:23	erussell	Q49229
1,2,4-Trimethylbenzene	**BRL**	µg/kg	8.5	1.1	1	8260B	04/06/10 13:23	erussell	Q49229
1,2-Dibromo-3-chloropropane	**BRL**	µg/kg	4.3	1.5	1	8260B	04/06/10 13:23	erussell	Q49229
1,2-Dibromoethane (EDB)	**BRL**	µg/kg	4.3	1.2	1	8260B	04/06/10 13:23	erussell	Q49229
1,2-Dichlorobenzene	**BRL**	µg/kg	8.5	1.2	1	8260B	04/06/10 13:23	erussell	Q49229
1,2-Dichloroethane	**BRL**	µg/kg	4.3	1.1	1	8260B	04/06/10 13:23	erussell	Q49229
1,2-Dichloropropane	**BRL**	µg/kg	4.3	1.3	1	8260B	04/06/10 13:23	erussell	Q49229
1,3,5-Trimethylbenzene	**BRL**	µg/kg	8.5	1.1	1	8260B	04/06/10 13:23	erussell	Q49229
1,3-Dichlorobenzene	**BRL**	µg/kg	8.5	1.0	1	8260B	04/06/10 13:23	erussell	Q49229
1,3-Dichloropropane	**BRL**	µg/kg	4.3	0.88	1	8260B	04/06/10 13:23	erussell	Q49229
1,4-Dichlorobenzene	**BRL**	µg/kg	8.5	1.1	1	8260B	04/06/10 13:23	erussell	Q49229
2,2-Dichloropropane	**BRL**	µg/kg	4.3	1.0	1	8260B	04/06/10 13:23	erussell	Q49229
2-Chloroethyl vinyl ether	**BRL**	µg/kg	8.5	1.3	1	8260B	04/06/10 13:23	erussell	Q49229
2-Chlorotoluene	**BRL**	µg/kg	8.5	1.1	1	8260B	04/06/10 13:23	erussell	Q49229
2-Hexanone	**BRL**	µg/kg	43	1.3	1	8260B	04/06/10 13:23	erussell	Q49229

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Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-8-6-8
Prism Sample ID: 275463
COC Group: G0410028
Time Collected: 03/30/10 11:20
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	µg/kg	8.5	1.0	1	8260B	04/06/10 13:23	erussell	Q49229
4-Methyl-2-pentanone (MIBK)	BRL	µg/kg	8.5	0.93	1	8260B	04/06/10 13:23	erussell	Q49229
Acetone	BRL	µg/kg	17	1.9	1	8260B	04/06/10 13:23	erussell	Q49229
Benzene	BRL	µg/kg	2.6	1.1	1	8260B	04/06/10 13:23	erussell	Q49229
Bromobenzene	BRL	µg/kg	4.3	1.0	1	8260B	04/06/10 13:23	erussell	Q49229
Bromochloromethane	BRL	µg/kg	4.3	1.2	1	8260B	04/06/10 13:23	erussell	Q49229
Bromodichloromethane	BRL	µg/kg	4.3	0.98	1	8260B	04/06/10 13:23	erussell	Q49229
Bromoform	BRL	µg/kg	4.3	0.93	1	8260B	04/06/10 13:23	erussell	Q49229
Bromomethane	BRL	µg/kg	8.5	1.1	1	8260B	04/06/10 13:23	erussell	Q49229
Carbon disulfide	BRL	µg/kg	8.5	0.87	1	8260B	04/06/10 13:23	erussell	Q49229
Carbon tetrachloride	BRL	µg/kg	4.3	1.2	1	8260B	04/06/10 13:23	erussell	Q49229
Chlorobenzene	BRL	µg/kg	4.3	0.97	1	8260B	04/06/10 13:23	erussell	Q49229
Chlorodibromomethane	BRL	µg/kg	4.3	1.1	1	8260B	04/06/10 13:23	erussell	Q49229
Chloroethane	BRL	µg/kg	8.5	2.2	1	8260B	04/06/10 13:23	erussell	Q49229
Chloroform	BRL	µg/kg	4.3	1.1	1	8260B	04/06/10 13:23	erussell	Q49229
Chloromethane	BRL	µg/kg	8.5	1.0	1	8260B	04/06/10 13:23	erussell	Q49229
cis-1,2-Dichloroethene	BRL	µg/kg	4.3	1.0	1	8260B	04/06/10 13:23	erussell	Q49229
cis-1,3-Dichloropropene	BRL	µg/kg	4.3	1.0	1	8260B	04/06/10 13:23	erussell	Q49229
Dibromomethane	BRL	µg/kg	4.3	1.2	1	8260B	04/06/10 13:23	erussell	Q49229
Dichlorodifluoromethane	BRL	µg/kg	8.5	0.88	1	8260B	04/06/10 13:23	erussell	Q49229
Ethylbenzene	BRL	µg/kg	4.3	0.89	1	8260B	04/06/10 13:23	erussell	Q49229
Hexachlorobutadiene	BRL	µg/kg	13	1.0	1	8260B	04/06/10 13:23	erussell	Q49229
Isopropyl ether (IPE)	BRL	µg/kg	4.3	1.1	1	8260B	04/06/10 13:23	erussell	Q49229
Isopropylbenzene	BRL	µg/kg	8.5	0.95	1	8260B	04/06/10 13:23	erussell	Q49229
m,p-Xylenes	BRL	µg/kg	8.5	2.3	1	8260B	04/06/10 13:23	erussell	Q49229
Methyl ethyl ketone (MEK)	BRL	µg/kg	17	1.1	1	8260B	04/06/10 13:23	erussell	Q49229
Methyl t-butyl ether (MTBE)	BRL	µg/kg	4.3	0.89	1	8260B	04/06/10 13:23	erussell	Q49229

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NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735

Laboratory Report

04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-8-6-8
Prism Sample ID: 275463
COC Group: G0410028
Time Collected: 03/30/10 11:20
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methylene chloride	BRL	µg/kg	8.5	1.1	1	8260B	04/06/10 13:23	erussell	Q49229
n-Butylbenzene	BRL	µg/kg	13	1.6	1	8260B	04/06/10 13:23	erussell	Q49229
n-Propylbenzene	BRL	µg/kg	8.5	1.2	1	8260B	04/06/10 13:23	erussell	Q49229
Naphthalene	BRL	µg/kg	4.3	2.3	1	8260B	04/06/10 13:23	erussell	Q49229
o-Xylene	BRL	µg/kg	4.3	0.95	1	8260B	04/06/10 13:23	erussell	Q49229
p-Isopropyltoluene	BRL	µg/kg	13	1.2	1	8260B	04/06/10 13:23	erussell	Q49229
sec-Butylbenzene	BRL	µg/kg	13	1.1	1	8260B	04/06/10 13:23	erussell	Q49229
Styrene	BRL	µg/kg	4.3	0.83	1	8260B	04/06/10 13:23	erussell	Q49229
tert-Butylbenzene	BRL	µg/kg	17	1.2	1	8260B	04/06/10 13:23	erussell	Q49229
Tetrachloroethene	BRL	µg/kg	8.5	1.1	1	8260B	04/06/10 13:23	erussell	Q49229
Toluene	BRL	µg/kg	4.3	1.0	1	8260B	04/06/10 13:23	erussell	Q49229
trans-1,2-Dichloroethene	BRL	µg/kg	4.3	0.84	1	8260B	04/06/10 13:23	erussell	Q49229
trans-1,3-Dichloropropene	BRL	µg/kg	4.3	0.85	1	8260B	04/06/10 13:23	erussell	Q49229
Trichloroethene	BRL	µg/kg	4.3	1.2	1	8260B	04/06/10 13:23	erussell	Q49229
Trichlorofluoromethane	BRL	µg/kg	4.3	1.2	1	8260B	04/06/10 13:23	erussell	Q49229
Vinyl chloride	BRL	µg/kg	8.5	1.1	1	8260B	04/06/10 13:23	erussell	Q49229

Surrogate	% Recovery	Control Limits
Toluene-d8	103	81 - 128
Dibromofluoromethane	105	67 - 143
Bromofluorobenzene	98	77 - 128

Sample Weight Determination

Weight Bisulfate 1	7.16	g			1	5035	04/06/10	lbrown
Weight Bisulfate 2	7.30	g			1	5035	04/06/10	lbrown
Weight Methanol	6.71	g			1	5035	04/06/10	lbrown

Semi-volatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	BRL	µg/kg	400	44	1	8270C	04/08/10 0:03	cphilbrick	Q49259

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Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-8-6-8
Prism Sample ID: 275463
COC Group: G0410028
Time Collected: 03/30/10 11:20
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2-Dichlorobenzene	BRL	µg/kg	400	44	1	8270C	04/08/10 0:03	cphilbrick	Q49259
1,3-Dichlorobenzene	BRL	µg/kg	400	39	1	8270C	04/08/10 0:03	cphilbrick	Q49259
1,4-Dichlorobenzene	BRL	µg/kg	400	48	1	8270C	04/08/10 0:03	cphilbrick	Q49259
2,4,5-Trichlorophenol	BRL	µg/kg	400	47	1	8270C	04/08/10 0:03	cphilbrick	Q49259
2,4,6-Trichlorophenol	BRL	µg/kg	400	43	1	8270C	04/08/10 0:03	cphilbrick	Q49259
2,4-Dichlorophenol	BRL	µg/kg	400	26	1	8270C	04/08/10 0:03	cphilbrick	Q49259
2,4-Dimethylphenol	BRL	µg/kg	400	59	1	8270C	04/08/10 0:03	cphilbrick	Q49259
2,4-Dinitrophenol	BRL	µg/kg	400	120	1	8270C	04/08/10 0:03	cphilbrick	Q49259
2,4-Dinitrotoluene	BRL	µg/kg	400	52	1	8270C	04/08/10 0:03	cphilbrick	Q49259
2,6-Dinitrotoluene	BRL	µg/kg	400	72	1	8270C	04/08/10 0:03	cphilbrick	Q49259
2-Chloronaphthalene	BRL	µg/kg	400	50	1	8270C	04/08/10 0:03	cphilbrick	Q49259
2-Chlorophenol	BRL	µg/kg	400	17	1	8270C	04/08/10 0:03	cphilbrick	Q49259
2-Methylnaphthalene	BRL	µg/kg	400	45	1	8270C	04/08/10 0:03	cphilbrick	Q49259
2-Methylphenol	BRL	µg/kg	400	32	1	8270C	04/08/10 0:03	cphilbrick	Q49259
2-Nitrophenol	BRL	µg/kg	400	56	1	8270C	04/08/10 0:03	cphilbrick	Q49259
3&4-Methylphenol	BRL	µg/kg	400	47	1	8270C	04/08/10 0:03	cphilbrick	Q49259
3,3'-Dichlorobenzidine	BRL	µg/kg	400	72	1	8270C	04/08/10 0:03	cphilbrick	Q49259
4,6-Dinitro-2-methylphenol	BRL	µg/kg	400	34	1	8270C	04/08/10 0:03	cphilbrick	Q49259
4-Bromophenylphenylether	BRL	µg/kg	400	50	1	8270C	04/08/10 0:03	cphilbrick	Q49259
4-Chloro-3-methylphenol	BRL	µg/kg	400	47	1	8270C	04/08/10 0:03	cphilbrick	Q49259
4-Chlorophenylphenylether	BRL	µg/kg	400	50	1	8270C	04/08/10 0:03	cphilbrick	Q49259
4-Nitrophenol	BRL	µg/kg	400	51	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Acenaphthene	BRL	µg/kg	400	54	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Acenaphthylene	BRL	µg/kg	400	37	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Anthracene	BRL	µg/kg	400	29	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Benzo(a)anthracene	BRL	µg/kg	400	45	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Benzo(a)pyrene	BRL	µg/kg	400	50	1	8270C	04/08/10 0:03	cphilbrick	Q49259

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Laboratory Report

04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-8-6-8
Prism Sample ID: 275463
COC Group: G0410028
Time Collected: 03/30/10 11:20
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Benzo(b)fluoranthene	BRL	µg/kg	400	81	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Benzo(g,h,i)perylene	BRL	µg/kg	400	51	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Benzo(k)fluoranthene	BRL	µg/kg	400	110	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Bis(2-chloroethoxy)methane	BRL	µg/kg	400	67	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Bis(2-chloroethyl)ether	BRL	µg/kg	400	49	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Bis(2-chloroisopropyl)ether	BRL	µg/kg	400	40	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Bis(2-ethylhexyl)phthalate	BRL	µg/kg	400	31	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Butylbenzylphthalate	BRL	µg/kg	400	49	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Chrysene	BRL	µg/kg	400	27	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Di-n-butylphthalate	BRL	µg/kg	400	64	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Di-n-octylphthalate	BRL	µg/kg	400	120	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Dibenzo(a,h)anthracene	BRL	µg/kg	400	37	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Dibenzofuran	BRL	µg/kg	400	49	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Diethylphthalate	BRL	µg/kg	400	100	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Dimethylphthalate	BRL	µg/kg	400	59	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Fluoranthene	BRL	µg/kg	400	70	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Fluorene	BRL	µg/kg	400	57	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Hexachlorobenzene	BRL	µg/kg	400	55	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Hexachlorobutadiene	BRL	µg/kg	400	40	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Hexachlorocyclopentadiene	BRL	µg/kg	400	59	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Hexachloroethane	BRL	µg/kg	400	16	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Indeno(1,2,3-cd)pyrene	BRL	µg/kg	400	38	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Isophorone	BRL	µg/kg	400	38	1	8270C	04/08/10 0:03	cphilbrick	Q49259
N-Nitrosodi-n-propylamine	BRL	µg/kg	400	23	1	8270C	04/08/10 0:03	cphilbrick	Q49259
N-Nitrosodiphenylamine	BRL	µg/kg	400	58	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Naphthalene	BRL	µg/kg	400	48	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Nitrobenzene	BRL	µg/kg	400	50	1	8270C	04/08/10 0:03	cphilbrick	Q49259

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Laboratory Report

04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-8-6-8
Prism Sample ID: 275463
COC Group: G0410028
Time Collected: 03/30/10 11:20
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Pentachlorophenol	**BRL**	µg/kg	400	61	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Phenanthrene	**BRL**	µg/kg	400	34	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Phenol	**BRL**	µg/kg	400	70	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Pyrene	**BRL**	µg/kg	400	76	1	8270C	04/08/10 0:03	cphilbrick	Q49259
Sample Preparation:			30.3 g	/	1 mL	3550B	04/06/10 13:30	aguptill	P27199

Surrogate	% Recovery	Control Limits
Terphenyl-d14	89	41 - 136
Phenol-d5	69	13 - 95
Nitrobenzene-d5	70	14 - 103
2-Fluorophenol	74	14 - 89
2-Fluorobiphenyl	69	21 - 108
2,4,6-Tribromophenol	68	25 - 123

Diesel Range Organics (DRO) by GC-FID

Diesel Range Organics (DRO)	**BRL**	mg/kg	8.5	1.4	1	8015B	04/08/10 19:15	jvogel	Q49287
Sample Preparation:			25.09 g	/	1 mL	3545	04/07/10 17:00	athao	P27216

Surrogate	% Recovery	Control Limits
o-Terphenyl	56	49 - 124

Sample Weight Determination

Weight 1	**6.69**	g			1	GRO	04/06/10 0:00	lbrown	
Weight 2	**6.69**	g			1	GRO	04/06/10 0:00	lbrown	

Gasoline Range Organics (GRO) by GC-FID

Gasoline Range Organics (GRO)	**BRL**	mg/kg	6.1	3.8	50	8015B	04/08/10 19:39	heasler	Q49295

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Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-8-6-8
Prism Sample ID: 275463
COC Group: G0410028
Time Collected: 03/30/10 11:20
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Surrogate							**% Recovery**		**Control Limits**
aaa-TFT							96		55 - 129
Mercury by CVAA									
Mercury	**0.072**	mg/kg	0.024	0.0017	1	7471A	04/09/10 15:42	kpowers	Q49336
Sample Preparation:				0.6 g /	30 mL	7471A	04/09/10 8:20	kpowers	P27230
Metals by ICP									
Arsenic	**2.7**	mg/kg	0.61	0.069	1	6010B	04/09/10 1:14	pfitzgerald	Q49277
Barium	**32**	mg/kg	3.1	0.45	5	6010B	04/14/10 1:18	dsullivan	Q49277
Cadmium	**1.1**	mg/kg	0.31	0.032	1	6010B	04/09/10 1:14	pfitzgerald	Q49277
Chromium	**33**	mg/kg	0.31	0.042	1	6010B	04/09/10 1:14	pfitzgerald	Q49277
Lead	**17**	mg/kg	1.5	0.38	5	6010B	04/14/10 1:18	dsullivan	Q49277
Selenium	**2.0 J**	mg/kg	3.1	0.62	5	6010B	04/14/10 1:18	dsullivan	Q49277
Silver	**BRL**	mg/kg	0.31	0.031	1	6010B	04/09/10 1:14	pfitzgerald	Q49277
Sample Preparation:				2.05 g /	50 mL	3050B	04/07/10 9:15	jbrayton	P27212

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services

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Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-9-6-8
Prism Sample ID: 275464
COC Group: G0410028
Time Collected: 03/30/10 11:40
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	**64.3**	%			1	SM2540 G	04/05/10 13:30	jbrayton	
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	**BRL**	µg/kg	6.2	2.1	1	8260B	04/06/10 20:05	erussell	Q49229
1,1,1-Trichloroethane	**BRL**	µg/kg	6.2	1.4	1	8260B	04/06/10 20:05	erussell	Q49229
1,1,2,2-Tetrachloroethane	**BRL**	µg/kg	6.2	1.7	1	8260B	04/06/10 20:05	erussell	Q49229
1,1,2-Trichloroethane	**BRL**	µg/kg	6.2	1.8	1	8260B	04/06/10 20:05	erussell	Q49229
1,1-Dichloroethane	**BRL**	µg/kg	6.2	1.6	1	8260B	04/06/10 20:05	erussell	Q49229
1,1-Dichloroethene	**BRL**	µg/kg	6.2	1.5	1	8260B	04/06/10 20:05	erussell	Q49229
1,1-Dichloropropene	**BRL**	µg/kg	6.2	1.3	1	8260B	04/06/10 20:05	erussell	Q49229
1,2,3-Trichlorobenzene	**BRL**	µg/kg	12	2.0	1	8260B	04/06/10 20:05	erussell	Q49229
1,2,3-Trichloropropane	**BRL**	µg/kg	6.2	2.6	1	8260B	04/06/10 20:05	erussell	Q49229
1,2,4-Trichlorobenzene	**BRL**	µg/kg	12	1.7	1	8260B	04/06/10 20:05	erussell	Q49229
1,2,4-Trimethylbenzene	**BRL**	µg/kg	12	1.5	1	8260B	04/06/10 20:05	erussell	Q49229
1,2-Dibromo-3-chloropropane	**BRL**	µg/kg	6.2	2.2	1	8260B	04/06/10 20:05	erussell	Q49229
1,2-Dibromoethane (EDB)	**BRL**	µg/kg	6.2	1.7	1	8260B	04/06/10 20:05	erussell	Q49229
1,2-Dichlorobenzene	**BRL**	µg/kg	12	1.7	1	8260B	04/06/10 20:05	erussell	Q49229
1,2-Dichloroethane	**BRL**	µg/kg	6.2	1.6	1	8260B	04/06/10 20:05	erussell	Q49229
1,2-Dichloropropane	**BRL**	µg/kg	6.2	1.8	1	8260B	04/06/10 20:05	erussell	Q49229
1,3,5-Trimethylbenzene	**BRL**	µg/kg	12	1.6	1	8260B	04/06/10 20:05	erussell	Q49229
1,3-Dichlorobenzene	**BRL**	µg/kg	12	1.5	1	8260B	04/06/10 20:05	erussell	Q49229
1,3-Dichloropropane	**BRL**	µg/kg	6.2	1.3	1	8260B	04/06/10 20:05	erussell	Q49229
1,4-Dichlorobenzene	**BRL**	µg/kg	12	1.5	1	8260B	04/06/10 20:05	erussell	Q49229
2,2-Dichloropropane	**BRL**	µg/kg	6.2	1.5	1	8260B	04/06/10 20:05	erussell	Q49229
2-Chloroethyl vinyl ether	**BRL**	µg/kg	12	1.8	1	8260B	04/06/10 20:05	erussell	Q49229
2-Chlorotoluene	**BRL**	µg/kg	12	1.6	1	8260B	04/06/10 20:05	erussell	Q49229
2-Hexanone	**BRL**	µg/kg	62	1.9	1	8260B	04/06/10 20:05	erussell	Q49229

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Laboratory Report

04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-9-6-8
Prism Sample ID: 275464
COC Group: G0410028
Time Collected: 03/30/10 11:40
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	µg/kg	12	1.5	1	8260B	04/06/10 20:05	erussell	Q49229
4-Methyl-2-pentanone (MIBK)	BRL	µg/kg	12	1.3	1	8260B	04/06/10 20:05	erussell	Q49229
Acetone	13 J	µg/kg	25	2.7	1	8260B	04/06/10 20:05	erussell	Q49229
Benzene	BRL	µg/kg	3.7	1.6	1	8260B	04/06/10 20:05	erussell	Q49229
Bromobenzene	BRL	µg/kg	6.2	1.5	1	8260B	04/06/10 20:05	erussell	Q49229
Bromochloromethane	BRL	µg/kg	6.2	1.7	1	8260B	04/06/10 20:05	erussell	Q49229
Bromodichloromethane	BRL	µg/kg	6.2	1.4	1	8260B	04/06/10 20:05	erussell	Q49229
Bromoform	BRL	µg/kg	6.2	1.3	1	8260B	04/06/10 20:05	erussell	Q49229
Bromomethane	BRL	µg/kg	12	1.6	1	8260B	04/06/10 20:05	erussell	Q49229
Carbon disulfide	BRL	µg/kg	12	1.3	1	8260B	04/06/10 20:05	erussell	Q49229
Carbon tetrachloride	BRL	µg/kg	6.2	1.8	1	8260B	04/06/10 20:05	erussell	Q49229
Chlorobenzene	BRL	µg/kg	6.2	1.4	1	8260B	04/06/10 20:05	erussell	Q49229
Chlorodibromomethane	BRL	µg/kg	6.2	1.6	1	8260B	04/06/10 20:05	erussell	Q49229
Chloroethane	BRL	µg/kg	12	3.2	1	8260B	04/06/10 20:05	erussell	Q49229
Chloroform	BRL	µg/kg	6.2	1.6	1	8260B	04/06/10 20:05	erussell	Q49229
Chloromethane	BRL	µg/kg	12	1.5	1	8260B	04/06/10 20:05	erussell	Q49229
cis-1,2-Dichloroethene	BRL	µg/kg	6.2	1.5	1	8260B	04/06/10 20:05	erussell	Q49229
cis-1,3-Dichloropropene	BRL	µg/kg	6.2	1.5	1	8260B	04/06/10 20:05	erussell	Q49229
Dibromomethane	BRL	µg/kg	6.2	1.7	1	8260B	04/06/10 20:05	erussell	Q49229
Dichlorodifluoromethane	BRL	µg/kg	12	1.3	1	8260B	04/06/10 20:05	erussell	Q49229
Ethylbenzene	BRL	µg/kg	6.2	1.3	1	8260B	04/06/10 20:05	erussell	Q49229
Hexachlorobutadiene	BRL	µg/kg	19	1.5	1	8260B	04/06/10 20:05	erussell	Q49229
Isopropyl ether (IPE)	BRL	µg/kg	6.2	1.5	1	8260B	04/06/10 20:05	erussell	Q49229
Isopropylbenzene	BRL	µg/kg	12	1.4	1	8260B	04/06/10 20:05	erussell	Q49229
m,p-Xylenes	BRL	µg/kg	12	3.3	1	8260B	04/06/10 20:05	erussell	Q49229
Methyl ethyl ketone (MEK)	BRL	µg/kg	25	1.6	1	8260B	04/06/10 20:05	erussell	Q49229
Methyl t-butyl ether (MTBE)	BRL	µg/kg	6.2	1.3	1	8260B	04/06/10 20:05	erussell	Q49229

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Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-9-6-8
Prism Sample ID: 275464
COC Group: G0410028
Time Collected: 03/30/10 11:40
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methylene chloride	BRL	µg/kg	12	1.6	1	8260B	04/06/10 20:05	erussell	Q49229
n-Butylbenzene	BRL	µg/kg	19	2.3	1	8260B	04/06/10 20:05	erussell	Q49229
n-Propylbenzene	BRL	µg/kg	12	1.8	1	8260B	04/06/10 20:05	erussell	Q49229
Naphthalene	BRL	µg/kg	6.2	3.4	1	8260B	04/06/10 20:05	erussell	Q49229
o-Xylene	BRL	µg/kg	6.2	1.4	1	8260B	04/06/10 20:05	erussell	Q49229
p-Isopropyltoluene	BRL	µg/kg	19	1.8	1	8260B	04/06/10 20:05	erussell	Q49229
sec-Butylbenzene	BRL	µg/kg	19	1.6	1	8260B	04/06/10 20:05	erussell	Q49229
Styrene	BRL	µg/kg	6.2	1.2	1	8260B	04/06/10 20:05	erussell	Q49229
tert-Butylbenzene	BRL	µg/kg	25	1.7	1	8260B	04/06/10 20:05	erussell	Q49229
Tetrachloroethene	BRL	µg/kg	12	1.6	1	8260B	04/06/10 20:05	erussell	Q49229
Toluene	BRL	µg/kg	6.2	1.5	1	8260B	04/06/10 20:05	erussell	Q49229
trans-1,2-Dichloroethene	BRL	µg/kg	6.2	1.2	1	8260B	04/06/10 20:05	erussell	Q49229
trans-1,3-Dichloropropene	BRL	µg/kg	6.2	1.2	1	8260B	04/06/10 20:05	erussell	Q49229
Trichloroethene	BRL	µg/kg	6.2	1.7	1	8260B	04/06/10 20:05	erussell	Q49229
Trichlorofluoromethane	BRL	µg/kg	6.2	1.8	1	8260B	04/06/10 20:05	erussell	Q49229
Vinyl chloride	BRL	µg/kg	12	1.6	1	8260B	04/06/10 20:05	erussell	Q49229

Surrogate	% Recovery	Control Limits
Toluene-d8	104	81 - 128
Dibromofluoromethane	104	67 - 143
Bromofluorobenzene	98	77 - 128

Sample Weight Determination

Weight Bisulfate 1	6.29	g			1	5035	04/06/10	lbrown
Weight Bisulfate 2	6.07	g			1	5035	04/06/10	lbrown
Weight Methanol	5.96	g			1	5035	04/06/10	lbrown

Semi-volatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	BRL	µg/kg	510	56	1	8270C	04/08/10 0:33	cphilbrick	Q49259

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Prism Sample ID: 275464
COC Group: G0410028
Time Collected: 03/30/10 11:40
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2-Dichlorobenzene	BRL	µg/kg	510	57	1	8270C	04/08/10 0:33	cphilbrick	Q49259
1,3-Dichlorobenzene	BRL	µg/kg	510	50	1	8270C	04/08/10 0:33	cphilbrick	Q49259
1,4-Dichlorobenzene	BRL	µg/kg	510	61	1	8270C	04/08/10 0:33	cphilbrick	Q49259
2,4,5-Trichlorophenol	BRL	µg/kg	510	61	1	8270C	04/08/10 0:33	cphilbrick	Q49259
2,4,6-Trichlorophenol	BRL	µg/kg	510	55	1	8270C	04/08/10 0:33	cphilbrick	Q49259
2,4-Dichlorophenol	BRL	µg/kg	510	34	1	8270C	04/08/10 0:33	cphilbrick	Q49259
2,4-Dimethylphenol	BRL	µg/kg	510	76	1	8270C	04/08/10 0:33	cphilbrick	Q49259
2,4-Dinitrophenol	BRL	µg/kg	510	150	1	8270C	04/08/10 0:33	cphilbrick	Q49259
2,4-Dinitrotoluene	BRL	µg/kg	510	67	1	8270C	04/08/10 0:33	cphilbrick	Q49259
2,6-Dinitrotoluene	BRL	µg/kg	510	92	1	8270C	04/08/10 0:33	cphilbrick	Q49259
2-Chloronaphthalene	BRL	µg/kg	510	64	1	8270C	04/08/10 0:33	cphilbrick	Q49259
2-Chlorophenol	BRL	µg/kg	510	21	1	8270C	04/08/10 0:33	cphilbrick	Q49259
2-Methylnaphthalene	BRL	µg/kg	510	57	1	8270C	04/08/10 0:33	cphilbrick	Q49259
2-Methylphenol	BRL	µg/kg	510	41	1	8270C	04/08/10 0:33	cphilbrick	Q49259
2-Nitrophenol	BRL	µg/kg	510	72	1	8270C	04/08/10 0:33	cphilbrick	Q49259
3&4-Methylphenol	BRL	µg/kg	510	60	1	8270C	04/08/10 0:33	cphilbrick	Q49259
3,3´-Dichlorobenzidine	BRL	µg/kg	510	93	1	8270C	04/08/10 0:33	cphilbrick	Q49259
4,6-Dinitro-2-methylphenol	BRL	µg/kg	510	44	1	8270C	04/08/10 0:33	cphilbrick	Q49259
4-Bromophenylphenylether	BRL	µg/kg	510	64	1	8270C	04/08/10 0:33	cphilbrick	Q49259
4-Chloro-3-methylphenol	BRL	µg/kg	510	60	1	8270C	04/08/10 0:33	cphilbrick	Q49259
4-Chlorophenylphenylether	BRL	µg/kg	510	65	1	8270C	04/08/10 0:33	cphilbrick	Q49259
4-Nitrophenol	BRL	µg/kg	510	65	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Acenaphthene	BRL	µg/kg	510	69	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Acenaphthylene	BRL	µg/kg	510	48	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Anthracene	BRL	µg/kg	510	37	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Benzo(a)anthracene	BRL	µg/kg	510	58	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Benzo(a)pyrene	BRL	µg/kg	510	65	1	8270C	04/08/10 0:33	cphilbrick	Q49259

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04/19/10

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c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-9-6-8
Prism Sample ID: 275464
COC Group: G0410028
Time Collected: 03/30/10 11:40
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Benzo(b)fluoranthene	BRL	µg/kg	510	100	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Benzo(g,h,i)perylene	BRL	µg/kg	510	65	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Benzo(k)fluoranthene	BRL	µg/kg	510	140	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Bis(2-chloroethoxy)methane	BRL	µg/kg	510	86	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Bis(2-chloroethyl)ether	BRL	µg/kg	510	63	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Bis(2-chloroisopropyl)ether	BRL	µg/kg	510	51	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Bis(2-ethylhexyl)phthalate	BRL	µg/kg	510	40	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Butylbenzylphthalate	BRL	µg/kg	510	63	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Chrysene	BRL	µg/kg	510	34	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Di-n-butylphthalate	BRL	µg/kg	510	82	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Di-n-octylphthalate	BRL	µg/kg	510	150	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Dibenzo(a,h)anthracene	BRL	µg/kg	510	48	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Dibenzofuran	BRL	µg/kg	510	63	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Diethylphthalate	BRL	µg/kg	510	130	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Dimethylphthalate	BRL	µg/kg	510	76	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Fluoranthene	BRL	µg/kg	510	90	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Fluorene	BRL	µg/kg	510	73	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Hexachlorobenzene	BRL	µg/kg	510	70	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Hexachlorobutadiene	BRL	µg/kg	510	51	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Hexachlorocyclopentadiene	BRL	µg/kg	510	76	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Hexachloroethane	BRL	µg/kg	510	21	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Indeno(1,2,3-cd)pyrene	BRL	µg/kg	510	49	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Isophorone	BRL	µg/kg	510	49	1	8270C	04/08/10 0:33	cphilbrick	Q49259
N-Nitrosodi-n-propylamine	BRL	µg/kg	510	30	1	8270C	04/08/10 0:33	cphilbrick	Q49259
N-Nitrosodiphenylamine	BRL	µg/kg	510	74	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Naphthalene	BRL	µg/kg	510	61	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Nitrobenzene	BRL	µg/kg	510	64	1	8270C	04/08/10 0:33	cphilbrick	Q49259

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Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-9-6-8
Prism Sample ID: 275464
COC Group: G0410028
Time Collected: 03/30/10 11:40
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Pentachlorophenol	**BRL**	µg/kg	510	78	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Phenanthrene	**BRL**	µg/kg	510	43	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Phenol	**BRL**	µg/kg	510	90	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Pyrene	**BRL**	µg/kg	510	98	1	8270C	04/08/10 0:33	cphilbrick	Q49259
Sample Preparation:			30.08 g	/	1 mL	3550B	04/06/10 13:30	aguptill	P27199

Surrogate	% Recovery	Control Limits
Terphenyl-d14	80	41 - 136
Phenol-d5	64	13 - 95
Nitrobenzene-d5	66	14 - 103
2-Fluorophenol	68	14 - 89
2-Fluorobiphenyl	67	21 - 108
2,4,6-Tribromophenol	61	25 - 123

Diesel Range Organics (DRO) by GC-FID

Diesel Range Organics (DRO)	**BRL**	mg/kg	7.8	1.8	1	8015B	04/08/10 19:50	jvogel	Q49287
Sample Preparation:			24.97 g	/	1 mL	3545	04/07/10 17:00	athao	P27216

Surrogate	% Recovery	Control Limits
o-Terphenyl	61	49 - 124

Sample Weight Determination

Weight 1	**6.05**	g			1	GRO	04/06/10 0:00	lbrown	
Weight 2	**6.45**	g			1	GRO	04/06/10 0:00	lbrown	

Gasoline Range Organics (GRO) by GC-FID

Gasoline Range Organics (GRO)	**BRL**	mg/kg	7.8	4.9	50	8015B	04/08/10 20:10	heasler	Q49295

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Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Surrogate							**% Recovery**		**Control Limits**
aaa-TFT							85		55 - 129
Mercury by CVAA									
Mercury	**0.051**	mg/kg	0.031	0.0021	1	7471A	04/09/10 15:55	kpowers	Q49336
Sample Preparation:				0.6 g /	30 mL	7471A	04/09/10 8:20	kpowers	P27230
Metals by ICP									
Arsenic	**3.4**	mg/kg	0.78	0.088	1	6010B	04/09/10 1:21	pfitzgerald	Q49277
Barium	**130**	mg/kg	3.9	0.58	5	6010B	04/14/10 1:25	dsullivan	Q49277
Cadmium	**1.3**	mg/kg	0.39	0.041	1	6010B	04/09/10 1:21	pfitzgerald	Q49277
Chromium	**41**	mg/kg	0.39	0.053	1	6010B	04/09/10 1:21	pfitzgerald	Q49277
Lead	**14**	mg/kg	1.9	0.48	5	6010B	04/14/10 1:25	dsullivan	Q49277
Selenium	**3.6 J**	mg/kg	3.9	0.79	5	6010B	04/14/10 1:25	dsullivan	Q49277
Silver	**BRL**	mg/kg	0.39	0.040	1	6010B	04/09/10 1:21	pfitzgerald	Q49277
Sample Preparation:				2 g /	50 mL	3050B	04/07/10 9:15	jbrayton	P27212

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services

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Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-10-6-8
Prism Sample ID: 275465
COC Group: G0410028
Time Collected: 03/30/10 12:18
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	**76.2**	%			1	SM2540 G	04/05/10 13:30	jbrayton	
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	**BRL**	µg/kg	5.6	1.8	1	8260B	04/06/10 19:31	erussell	Q49229
1,1,1-Trichloroethane	**BRL**	µg/kg	5.6	1.3	1	8260B	04/06/10 19:31	erussell	Q49229
1,1,2,2-Tetrachloroethane	**BRL**	µg/kg	5.6	1.5	1	8260B	04/06/10 19:31	erussell	Q49229
1,1,2-Trichloroethane	**BRL**	µg/kg	5.6	1.6	1	8260B	04/06/10 19:31	erussell	Q49229
1,1-Dichloroethane	**BRL**	µg/kg	5.6	1.4	1	8260B	04/06/10 19:31	erussell	Q49229
1,1-Dichloroethene	**BRL**	µg/kg	5.6	1.3	1	8260B	04/06/10 19:31	erussell	Q49229
1,1-Dichloropropene	**BRL**	µg/kg	5.6	1.2	1	8260B	04/06/10 19:31	erussell	Q49229
1,2,3-Trichlorobenzene	**BRL**	µg/kg	11	1.8	1	8260B	04/06/10 19:31	erussell	Q49229
1,2,3-Trichloropropane	**BRL**	µg/kg	5.6	2.3	1	8260B	04/06/10 19:31	erussell	Q49229
1,2,4-Trichlorobenzene	**BRL**	µg/kg	11	1.5	1	8260B	04/06/10 19:31	erussell	Q49229
1,2,4-Trimethylbenzene	**BRL**	µg/kg	11	1.4	1	8260B	04/06/10 19:31	erussell	Q49229
1,2-Dibromo-3-chloropropane	**BRL**	µg/kg	5.6	2.0	1	8260B	04/06/10 19:31	erussell	Q49229
1,2-Dibromoethane (EDB)	**BRL**	µg/kg	5.6	1.5	1	8260B	04/06/10 19:31	erussell	Q49229
1,2-Dichlorobenzene	**BRL**	µg/kg	11	1.5	1	8260B	04/06/10 19:31	erussell	Q49229
1,2-Dichloroethane	**BRL**	µg/kg	5.6	1.4	1	8260B	04/06/10 19:31	erussell	Q49229
1,2-Dichloropropane	**BRL**	µg/kg	5.6	1.7	1	8260B	04/06/10 19:31	erussell	Q49229
1,3,5-Trimethylbenzene	**BRL**	µg/kg	11	1.5	1	8260B	04/06/10 19:31	erussell	Q49229
1,3-Dichlorobenzene	**BRL**	µg/kg	11	1.3	1	8260B	04/06/10 19:31	erussell	Q49229
1,3-Dichloropropane	**BRL**	µg/kg	5.6	1.1	1	8260B	04/06/10 19:31	erussell	Q49229
1,4-Dichlorobenzene	**BRL**	µg/kg	11	1.4	1	8260B	04/06/10 19:31	erussell	Q49229
2,2-Dichloropropane	**BRL**	µg/kg	5.6	1.3	1	8260B	04/06/10 19:31	erussell	Q49229
2-Chloroethyl vinyl ether	**BRL**	µg/kg	11	1.7	1	8260B	04/06/10 19:31	erussell	Q49229
2-Chlorotoluene	**BRL**	µg/kg	11	1.4	1	8260B	04/06/10 19:31	erussell	Q49229
2-Hexanone	**BRL**	µg/kg	56	1.7	1	8260B	04/06/10 19:31	erussell	Q49229

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NC Drinking Water Cert. No. 37735

Laboratory Report

04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-10-6-8
Prism Sample ID: 275465
COC Group: G0410028
Time Collected: 03/30/10 12:18
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	µg/kg	11	1.4	1	8260B	04/06/10 19:31	erussell	Q49229
4-Methyl-2-pentanone (MIBK)	BRL	µg/kg	11	1.2	1	8260B	04/06/10 19:31	erussell	Q49229
Acetone	15 J	µg/kg	22	2.4	1	8260B	04/06/10 19:31	erussell	Q49229
Benzene	BRL	µg/kg	3.3	1.5	1	8260B	04/06/10 19:31	erussell	Q49229
Bromobenzene	BRL	µg/kg	5.6	1.4	1	8260B	04/06/10 19:31	erussell	Q49229
Bromochloromethane	BRL	µg/kg	5.6	1.5	1	8260B	04/06/10 19:31	erussell	Q49229
Bromodichloromethane	BRL	µg/kg	5.6	1.3	1	8260B	04/06/10 19:31	erussell	Q49229
Bromoform	BRL	µg/kg	5.6	1.2	1	8260B	04/06/10 19:31	erussell	Q49229
Bromomethane	BRL	µg/kg	11	1.4	1	8260B	04/06/10 19:31	erussell	Q49229
Carbon disulfide	BRL	µg/kg	11	1.1	1	8260B	04/06/10 19:31	erussell	Q49229
Carbon tetrachloride	BRL	µg/kg	5.6	1.6	1	8260B	04/06/10 19:31	erussell	Q49229
Chlorobenzene	BRL	µg/kg	5.6	1.3	1	8260B	04/06/10 19:31	erussell	Q49229
Chlorodibromomethane	BRL	µg/kg	5.6	1.4	1	8260B	04/06/10 19:31	erussell	Q49229
Chloroethane	BRL	µg/kg	11	2.9	1	8260B	04/06/10 19:31	erussell	Q49229
Chloroform	BRL	µg/kg	5.6	1.4	1	8260B	04/06/10 19:31	erussell	Q49229
Chloromethane	BRL	µg/kg	11	1.3	1	8260B	04/06/10 19:31	erussell	Q49229
cis-1,2-Dichloroethene	BRL	µg/kg	5.6	1.3	1	8260B	04/06/10 19:31	erussell	Q49229
cis-1,3-Dichloropropene	BRL	µg/kg	5.6	1.3	1	8260B	04/06/10 19:31	erussell	Q49229
Dibromomethane	BRL	µg/kg	5.6	1.6	1	8260B	04/06/10 19:31	erussell	Q49229
Dichlorodifluoromethane	BRL	µg/kg	11	1.1	1	8260B	04/06/10 19:31	erussell	Q49229
Ethylbenzene	BRL	µg/kg	5.6	1.2	1	8260B	04/06/10 19:31	erussell	Q49229
Hexachlorobutadiene	BRL	µg/kg	17	1.3	1	8260B	04/06/10 19:31	erussell	Q49229
Isopropyl ether (IPE)	BRL	µg/kg	5.6	1.4	1	8260B	04/06/10 19:31	erussell	Q49229
Isopropylbenzene	BRL	µg/kg	11	1.2	1	8260B	04/06/10 19:31	erussell	Q49229
m,p-Xylenes	BRL	µg/kg	11	3.0	1	8260B	04/06/10 19:31	erussell	Q49229
Methyl ethyl ketone (MEK)	BRL	µg/kg	22	1.4	1	8260B	04/06/10 19:31	erussell	Q49229
Methyl t-butyl ether (MTBE)	BRL	µg/kg	5.6	1.2	1	8260B	04/06/10 19:31	erussell	Q49229

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Laboratory Report

04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-10-6-8
Prism Sample ID: 275465
COC Group: G0410028
Time Collected: 03/30/10 12:18
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methylene chloride	BRL	µg/kg	11	1.5	1	8260B	04/06/10 19:31	erussell	Q49229
n-Butylbenzene	BRL	µg/kg	17	2.0	1	8260B	04/06/10 19:31	erussell	Q49229
n-Propylbenzene	BRL	µg/kg	11	1.6	1	8260B	04/06/10 19:31	erussell	Q49229
Naphthalene	BRL	µg/kg	5.6	3.0	1	8260B	04/06/10 19:31	erussell	Q49229
o-Xylene	BRL	µg/kg	5.6	1.2	1	8260B	04/06/10 19:31	erussell	Q49229
p-Isopropyltoluene	BRL	µg/kg	17	1.6	1	8260B	04/06/10 19:31	erussell	Q49229
sec-Butylbenzene	BRL	µg/kg	17	1.5	1	8260B	04/06/10 19:31	erussell	Q49229
Styrene	BRL	µg/kg	5.6	1.1	1	8260B	04/06/10 19:31	erussell	Q49229
tert-Butylbenzene	BRL	µg/kg	22	1.5	1	8260B	04/06/10 19:31	erussell	Q49229
Tetrachloroethene	BRL	µg/kg	11	1.4	1	8260B	04/06/10 19:31	erussell	Q49229
Toluene	BRL	µg/kg	5.6	1.4	1	8260B	04/06/10 19:31	erussell	Q49229
trans-1,2-Dichloroethene	BRL	µg/kg	5.6	1.1	1	8260B	04/06/10 19:31	erussell	Q49229
trans-1,3-Dichloropropene	BRL	µg/kg	5.6	1.1	1	8260B	04/06/10 19:31	erussell	Q49229
Trichloroethene	BRL	µg/kg	5.6	1.6	1	8260B	04/06/10 19:31	erussell	Q49229
Trichlorofluoromethane	BRL	µg/kg	5.6	1.6	1	8260B	04/06/10 19:31	erussell	Q49229
Vinyl chloride	BRL	µg/kg	11	1.4	1	8260B	04/06/10 19:31	erussell	Q49229

Surrogate	% Recovery	Control Limits
Toluene-d8	104	81 - 128
Dibromofluoromethane	105	67 - 143
Bromofluorobenzene	98	77 - 128

Sample Weight Determination

Weight Bisulfate 1	6.41	g			1	5035	04/06/10	lbrown	
Weight Bisulfate 2	5.91	g			1	5035	04/06/10	lbrown	
Weight Methanol	6.41	g			1	5035	04/06/10	lbrown	

Semi-volatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	BRL	µg/kg	430	48	1	8270C	04/08/10 1:03	cphilbrick	Q49259

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Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-10-6-8
Prism Sample ID: 275465
COC Group: G0410028
Time Collected: 03/30/10 12:18
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2-Dichlorobenzene	BRL	µg/kg	430	48	1	8270C	04/08/10 1:03	cphilbrick	Q49259
1,3-Dichlorobenzene	BRL	µg/kg	430	42	1	8270C	04/08/10 1:03	cphilbrick	Q49259
1,4-Dichlorobenzene	BRL	µg/kg	430	52	1	8270C	04/08/10 1:03	cphilbrick	Q49259
2,4,5-Trichlorophenol	BRL	µg/kg	430	51	1	8270C	04/08/10 1:03	cphilbrick	Q49259
2,4,6-Trichlorophenol	BRL	µg/kg	430	47	1	8270C	04/08/10 1:03	cphilbrick	Q49259
2,4-Dichlorophenol	BRL	µg/kg	430	28	1	8270C	04/08/10 1:03	cphilbrick	Q49259
2,4-Dimethylphenol	BRL	µg/kg	430	64	1	8270C	04/08/10 1:03	cphilbrick	Q49259
2,4-Dinitrophenol	BRL	µg/kg	430	130	1	8270C	04/08/10 1:03	cphilbrick	Q49259
2,4-Dinitrotoluene	BRL	µg/kg	430	57	1	8270C	04/08/10 1:03	cphilbrick	Q49259
2,6-Dinitrotoluene	BRL	µg/kg	430	78	1	8270C	04/08/10 1:03	cphilbrick	Q49259
2-Chloronaphthalene	BRL	µg/kg	430	54	1	8270C	04/08/10 1:03	cphilbrick	Q49259
2-Chlorophenol	BRL	µg/kg	430	18	1	8270C	04/08/10 1:03	cphilbrick	Q49259
2-Methylnaphthalene	BRL	µg/kg	430	48	1	8270C	04/08/10 1:03	cphilbrick	Q49259
2-Methylphenol	BRL	µg/kg	430	35	1	8270C	04/08/10 1:03	cphilbrick	Q49259
2-Nitrophenol	BRL	µg/kg	430	61	1	8270C	04/08/10 1:03	cphilbrick	Q49259
3&4-Methylphenol	BRL	µg/kg	430	51	1	8270C	04/08/10 1:03	cphilbrick	Q49259
3,3'-Dichlorobenzidine	BRL	µg/kg	430	78	1	8270C	04/08/10 1:03	cphilbrick	Q49259
4,6-Dinitro-2-methylphenol	BRL	µg/kg	430	37	1	8270C	04/08/10 1:03	cphilbrick	Q49259
4-Bromophenylphenylether	BRL	µg/kg	430	54	1	8270C	04/08/10 1:03	cphilbrick	Q49259
4-Chloro-3-methylphenol	BRL	µg/kg	430	51	1	8270C	04/08/10 1:03	cphilbrick	Q49259
4-Chlorophenylphenylether	BRL	µg/kg	430	55	1	8270C	04/08/10 1:03	cphilbrick	Q49259
4-Nitrophenol	BRL	µg/kg	430	55	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Acenaphthene	BRL	µg/kg	430	59	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Acenaphthylene	BRL	µg/kg	430	41	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Anthracene	BRL	µg/kg	430	31	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Benzo(a)anthracene	BRL	µg/kg	430	49	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Benzo(a)pyrene	BRL	µg/kg	430	55	1	8270C	04/08/10 1:03	cphilbrick	Q49259

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Laboratory Report

04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-10-6-8
Prism Sample ID: 275465
COC Group: G0410028
Time Collected: 03/30/10 12:18
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Benzo(b)fluoranthene	BRL	µg/kg	430	88	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Benzo(g,h,i)perylene	BRL	µg/kg	430	55	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Benzo(k)fluoranthene	BRL	µg/kg	430	120	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Bis(2-chloroethoxy)methane	BRL	µg/kg	430	73	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Bis(2-chloroethyl)ether	BRL	µg/kg	430	54	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Bis(2-chloroisopropyl)ether	BRL	µg/kg	430	43	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Bis(2-ethylhexyl)phthalate	BRL	µg/kg	430	33	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Butylbenzylphthalate	BRL	µg/kg	430	53	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Chrysene	BRL	µg/kg	430	29	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Di-n-butylphthalate	BRL	µg/kg	430	69	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Di-n-octylphthalate	BRL	µg/kg	430	120	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Dibenzo(a,h)anthracene	BRL	µg/kg	430	40	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Dibenzofuran	BRL	µg/kg	430	53	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Diethylphthalate	BRL	µg/kg	430	110	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Dimethylphthalate	BRL	µg/kg	430	64	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Fluoranthene	BRL	µg/kg	430	76	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Fluorene	BRL	µg/kg	430	62	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Hexachlorobenzene	BRL	µg/kg	430	59	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Hexachlorobutadiene	BRL	µg/kg	430	43	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Hexachlorocyclopentadiene	BRL	µg/kg	430	64	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Hexachloroethane	BRL	µg/kg	430	18	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Indeno(1,2,3-cd)pyrene	BRL	µg/kg	430	41	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Isophorone	BRL	µg/kg	430	41	1	8270C	04/08/10 1:03	cphilbrick	Q49259
N-Nitrosodi-n-propylamine	BRL	µg/kg	430	25	1	8270C	04/08/10 1:03	cphilbrick	Q49259
N-Nitrosodiphenylamine	BRL	µg/kg	430	63	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Naphthalene	BRL	µg/kg	430	52	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Nitrobenzene	BRL	µg/kg	430	54	1	8270C	04/08/10 1:03	cphilbrick	Q49259

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Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-10-6-8
Prism Sample ID: 275465
COC Group: G0410028
Time Collected: 03/30/10 12:18
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Pentachlorophenol	**BRL**	µg/kg	430	66	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Phenanthrene	**BRL**	µg/kg	430	37	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Phenol	**BRL**	µg/kg	430	76	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Pyrene	**BRL**	µg/kg	430	83	1	8270C	04/08/10 1:03	cphilbrick	Q49259
Sample Preparation:			30.04 g	/	1 mL	3550B	04/06/10 13:30	aguptill	P27199

Surrogate	% Recovery	Control Limits
Terphenyl-d14	107	41 - 136
Phenol-d5	77	13 - 95
Nitrobenzene-d5	81	14 - 103
2-Fluorophenol	81	14 - 89
2-Fluorobiphenyl	79	21 - 108
2,4,6-Tribromophenol	77	25 - 123

Diesel Range Organics (DRO) by GC-FID

Diesel Range Organics (DRO)	**BRL**	mg/kg	9.1	1.5	1	8015B	04/08/10 20:25	jvogel	Q49287
Sample Preparation:			25.19 g	/	1 mL	3545	04/07/10 17:00	athao	P27216

Surrogate	% Recovery	Control Limits
o-Terphenyl	54	49 - 124

Sample Weight Determination

Weight 1	**5.71**	g			1	GRO	04/06/10 0:00	lbrown
Weight 2	**6.13**	g			1	GRO	04/06/10 0:00	lbrown

Gasoline Range Organics (GRO) by GC-FID

Gasoline Range Organics (GRO)	**BRL**	mg/kg	6.6	4.1	50	8015B	04/08/10 21:44	heasler	Q49295

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Time Collected: 03/30/10 12:18
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Surrogate							**% Recovery**		**Control Limits**
aaa-TFT							109		55 - 129
Mercury by CVAA									
Mercury	**0.073**	mg/kg	0.026	0.0018	1	7471A	04/09/10 16:00	kpowers	Q49336
Sample Preparation:				0.6 g /	30 mL	7471A	04/09/10 8:20	kpowers	P27230
Metals by ICP									
Arsenic	**3.6**	mg/kg	0.66	0.074	1	6010B	04/09/10 1:28	pfitzgerald	Q49277
Barium	**45**	mg/kg	3.3	0.49	5	6010B	04/14/10 1:33	dsullivan	Q49277
Cadmium	**1.4**	mg/kg	0.33	0.035	1	6010B	04/09/10 1:28	pfitzgerald	Q49277
Chromium	**56**	mg/kg	0.33	0.045	1	6010B	04/09/10 1:28	pfitzgerald	Q49277
Lead	**21**	mg/kg	1.6	0.40	5	6010B	04/14/10 1:33	dsullivan	Q49277
Selenium	**1.5 J**	mg/kg	3.3	0.66	5	6010B	04/14/10 1:33	dsullivan	Q49277
Silver	**BRL**	mg/kg	0.33	0.033	1	6010B	04/09/10 1:28	pfitzgerald	Q49277
Sample Preparation:				2.05 g /	50 mL	3050B	04/07/10 9:15	jbrayton	P27212

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543

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

PRISM LABORATORIES, INC.
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NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735

Laboratory Report

04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-11-6-8
Prism Sample ID: 275466
COC Group: G0410028
Time Collected: 03/30/10 12:40
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	**73.2**	%			1	SM2540 G	04/05/10 13:30	jbrayton	
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	**BRL**	µg/kg	6.4	2.1	1	8260B	04/06/10 18:58	erussell	Q49229
1,1,1-Trichloroethane	**BRL**	µg/kg	6.4	1.5	1	8260B	04/06/10 18:58	erussell	Q49229
1,1,2,2-Tetrachloroethane	**BRL**	µg/kg	6.4	1.8	1	8260B	04/06/10 18:58	erussell	Q49229
1,1,2-Trichloroethane	**BRL**	µg/kg	6.4	1.8	1	8260B	04/06/10 18:58	erussell	Q49229
1,1-Dichloroethane	**BRL**	µg/kg	6.4	1.7	1	8260B	04/06/10 18:58	erussell	Q49229
1,1-Dichloroethene	**BRL**	µg/kg	6.4	1.5	1	8260B	04/06/10 18:58	erussell	Q49229
1,1-Dichloropropene	**BRL**	µg/kg	6.4	1.3	1	8260B	04/06/10 18:58	erussell	Q49229
1,2,3-Trichlorobenzene	**BRL**	µg/kg	13	2.1	1	8260B	04/06/10 18:58	erussell	Q49229
1,2,3-Trichloropropane	**BRL**	µg/kg	6.4	2.7	1	8260B	04/06/10 18:58	erussell	Q49229
1,2,4-Trichlorobenzene	**BRL**	µg/kg	13	1.7	1	8260B	04/06/10 18:58	erussell	Q49229
1,2,4-Trimethylbenzene	**BRL**	µg/kg	13	1.6	1	8260B	04/06/10 18:58	erussell	Q49229
1,2-Dibromo-3-chloropropane	**BRL**	µg/kg	6.4	2.3	1	8260B	04/06/10 18:58	erussell	Q49229
1,2-Dibromoethane (EDB)	**BRL**	µg/kg	6.4	1.8	1	8260B	04/06/10 18:58	erussell	Q49229
1,2-Dichlorobenzene	**BRL**	µg/kg	13	1.7	1	8260B	04/06/10 18:58	erussell	Q49229
1,2-Dichloroethane	**BRL**	µg/kg	6.4	1.7	1	8260B	04/06/10 18:58	erussell	Q49229
1,2-Dichloropropane	**BRL**	µg/kg	6.4	1.9	1	8260B	04/06/10 18:58	erussell	Q49229
1,3,5-Trimethylbenzene	**BRL**	µg/kg	13	1.7	1	8260B	04/06/10 18:58	erussell	Q49229
1,3-Dichlorobenzene	**BRL**	µg/kg	13	1.5	1	8260B	04/06/10 18:58	erussell	Q49229
1,3-Dichloropropane	**BRL**	µg/kg	6.4	1.3	1	8260B	04/06/10 18:58	erussell	Q49229
1,4-Dichlorobenzene	**BRL**	µg/kg	13	1.6	1	8260B	04/06/10 18:58	erussell	Q49229
2,2-Dichloropropane	**BRL**	µg/kg	6.4	1.5	1	8260B	04/06/10 18:58	erussell	Q49229
2-Chloroethyl vinyl ether	**BRL**	µg/kg	13	1.9	1	8260B	04/06/10 18:58	erussell	Q49229
2-Chlorotoluene	**BRL**	µg/kg	13	1.6	1	8260B	04/06/10 18:58	erussell	Q49229
2-Hexanone	**BRL**	µg/kg	64	1.9	1	8260B	04/06/10 18:58	erussell	Q49229

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Laboratory Report

04/19/10

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Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-11-6-8
Prism Sample ID: 275466
COC Group: G0410028
Time Collected: 03/30/10 12:40
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	µg/kg	13	1.6	1	8260B	04/06/10 18:58	erussell	Q49229
4-Methyl-2-pentanone (MIBK)	BRL	µg/kg	13	1.4	1	8260B	04/06/10 18:58	erussell	Q49229
Acetone	BRL	µg/kg	26	2.8	1	8260B	04/06/10 18:58	erussell	Q49229
Benzene	BRL	µg/kg	3.8	1.7	1	8260B	04/06/10 18:58	erussell	Q49229
Bromobenzene	BRL	µg/kg	6.4	1.6	1	8260B	04/06/10 18:58	erussell	Q49229
Bromochloromethane	BRL	µg/kg	6.4	1.7	1	8260B	04/06/10 18:58	erussell	Q49229
Bromodichloromethane	BRL	µg/kg	6.4	1.5	1	8260B	04/06/10 18:58	erussell	Q49229
Bromoform	BRL	µg/kg	6.4	1.4	1	8260B	04/06/10 18:58	erussell	Q49229
Bromomethane	BRL	µg/kg	13	1.6	1	8260B	04/06/10 18:58	erussell	Q49229
Carbon disulfide	BRL	µg/kg	13	1.3	1	8260B	04/06/10 18:58	erussell	Q49229
Carbon tetrachloride	BRL	µg/kg	6.4	1.9	1	8260B	04/06/10 18:58	erussell	Q49229
Chlorobenzene	BRL	µg/kg	6.4	1.5	1	8260B	04/06/10 18:58	erussell	Q49229
Chlorodibromomethane	BRL	µg/kg	6.4	1.6	1	8260B	04/06/10 18:58	erussell	Q49229
Chloroethane	BRL	µg/kg	13	3.3	1	8260B	04/06/10 18:58	erussell	Q49229
Chloroform	BRL	µg/kg	6.4	1.6	1	8260B	04/06/10 18:58	erussell	Q49229
Chloromethane	BRL	µg/kg	13	1.5	1	8260B	04/06/10 18:58	erussell	Q49229
cis-1,2-Dichloroethene	BRL	µg/kg	6.4	1.5	1	8260B	04/06/10 18:58	erussell	Q49229
cis-1,3-Dichloropropene	BRL	µg/kg	6.4	1.5	1	8260B	04/06/10 18:58	erussell	Q49229
Dibromomethane	BRL	µg/kg	6.4	1.8	1	8260B	04/06/10 18:58	erussell	Q49229
Dichlorodifluoromethane	BRL	µg/kg	13	1.3	1	8260B	04/06/10 18:58	erussell	Q49229
Ethylbenzene	BRL	µg/kg	6.4	1.3	1	8260B	04/06/10 18:58	erussell	Q49229
Hexachlorobutadiene	BRL	µg/kg	19	1.5	1	8260B	04/06/10 18:58	erussell	Q49229
Isopropyl ether (IPE)	BRL	µg/kg	6.4	1.6	1	8260B	04/06/10 18:58	erussell	Q49229
Isopropylbenzene	BRL	µg/kg	13	1.4	1	8260B	04/06/10 18:58	erussell	Q49229
m,p-Xylenes	BRL	µg/kg	13	3.4	1	8260B	04/06/10 18:58	erussell	Q49229
Methyl ethyl ketone (MEK)	BRL	µg/kg	26	1.6	1	8260B	04/06/10 18:58	erussell	Q49229
Methyl t-butyl ether (MTBE)	BRL	µg/kg	6.4	1.3	1	8260B	04/06/10 18:58	erussell	Q49229

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Laboratory Report

04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-11-6-8
Prism Sample ID: 275466
COC Group: G0410028
Time Collected: 03/30/10 12:40
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methylene chloride	BRL	µg/kg	13	1.7	1	8260B	04/06/10 18:58	erussell	Q49229
n-Butylbenzene	BRL	µg/kg	19	2.3	1	8260B	04/06/10 18:58	erussell	Q49229
n-Propylbenzene	BRL	µg/kg	13	1.8	1	8260B	04/06/10 18:58	erussell	Q49229
Naphthalene	BRL	µg/kg	6.4	3.5	1	8260B	04/06/10 18:58	erussell	Q49229
o-Xylene	BRL	µg/kg	6.4	1.4	1	8260B	04/06/10 18:58	erussell	Q49229
p-Isopropyltoluene	BRL	µg/kg	19	1.9	1	8260B	04/06/10 18:58	erussell	Q49229
sec-Butylbenzene	BRL	µg/kg	19	1.7	1	8260B	04/06/10 18:58	erussell	Q49229
Styrene	BRL	µg/kg	6.4	1.2	1	8260B	04/06/10 18:58	erussell	Q49229
tert-Butylbenzene	BRL	µg/kg	26	1.7	1	8260B	04/06/10 18:58	erussell	Q49229
Tetrachloroethene	BRL	µg/kg	13	1.7	1	8260B	04/06/10 18:58	erussell	Q49229
Toluene	BRL	µg/kg	6.4	1.6	1	8260B	04/06/10 18:58	erussell	Q49229
trans-1,2-Dichloroethene	BRL	µg/kg	6.4	1.3	1	8260B	04/06/10 18:58	erussell	Q49229
trans-1,3-Dichloropropene	BRL	µg/kg	6.4	1.3	1	8260B	04/06/10 18:58	erussell	Q49229
Trichloroethene	BRL	µg/kg	6.4	1.8	1	8260B	04/06/10 18:58	erussell	Q49229
Trichlorofluoromethane	BRL	µg/kg	6.4	1.8	1	8260B	04/06/10 18:58	erussell	Q49229
Vinyl chloride	BRL	µg/kg	13	1.7	1	8260B	04/06/10 18:58	erussell	Q49229

Surrogate	% Recovery	Control Limits
Toluene-d8	104	81 - 128
Dibromofluoromethane	106	67 - 143
Bromofluorobenzene	98	77 - 128

Sample Weight Determination

Weight Bisulfate 1	5.34	g			1	5035	04/06/10	lbrown
Weight Bisulfate 2	5.34	g			1	5035	04/06/10	lbrown
Weight Methanol	5.60	g			1	5035	04/06/10	lbrown

Semi-volatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	BRL	µg/kg	450	49	1	8270C	04/08/10 1:33	cphilbrick	Q49259

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Sample Matrix: Soil

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Prism Sample ID: 275466
COC Group: G0410028
Time Collected: 03/30/10 12:40
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2-Dichlorobenzene	BRL	µg/kg	450	49	1	8270C	04/08/10 1:33	cphilbrick	Q49259
1,3-Dichlorobenzene	BRL	µg/kg	450	43	1	8270C	04/08/10 1:33	cphilbrick	Q49259
1,4-Dichlorobenzene	BRL	µg/kg	450	53	1	8270C	04/08/10 1:33	cphilbrick	Q49259
2,4,5-Trichlorophenol	BRL	µg/kg	450	53	1	8270C	04/08/10 1:33	cphilbrick	Q49259
2,4,6-Trichlorophenol	BRL	µg/kg	450	48	1	8270C	04/08/10 1:33	cphilbrick	Q49259
2,4-Dichlorophenol	BRL	µg/kg	450	29	1	8270C	04/08/10 1:33	cphilbrick	Q49259
2,4-Dimethylphenol	BRL	µg/kg	450	66	1	8270C	04/08/10 1:33	cphilbrick	Q49259
2,4-Dinitrophenol	BRL	µg/kg	450	130	1	8270C	04/08/10 1:33	cphilbrick	Q49259
2,4-Dinitrotoluene	BRL	µg/kg	450	58	1	8270C	04/08/10 1:33	cphilbrick	Q49259
2,6-Dinitrotoluene	BRL	µg/kg	450	80	1	8270C	04/08/10 1:33	cphilbrick	Q49259
2-Chloronaphthalene	BRL	µg/kg	450	56	1	8270C	04/08/10 1:33	cphilbrick	Q49259
2-Chlorophenol	BRL	µg/kg	450	19	1	8270C	04/08/10 1:33	cphilbrick	Q49259
2-Methylnaphthalene	BRL	µg/kg	450	50	1	8270C	04/08/10 1:33	cphilbrick	Q49259
2-Methylphenol	BRL	µg/kg	450	36	1	8270C	04/08/10 1:33	cphilbrick	Q49259
2-Nitrophenol	BRL	µg/kg	450	63	1	8270C	04/08/10 1:33	cphilbrick	Q49259
3&4-Methylphenol	BRL	µg/kg	450	52	1	8270C	04/08/10 1:33	cphilbrick	Q49259
3,3´-Dichlorobenzidine	BRL	µg/kg	450	81	1	8270C	04/08/10 1:33	cphilbrick	Q49259
4,6-Dinitro-2-methylphenol	BRL	µg/kg	450	38	1	8270C	04/08/10 1:33	cphilbrick	Q49259
4-Bromophenylphenylether	BRL	µg/kg	450	55	1	8270C	04/08/10 1:33	cphilbrick	Q49259
4-Chloro-3-methylphenol	BRL	µg/kg	450	53	1	8270C	04/08/10 1:33	cphilbrick	Q49259
4-Chlorophenylphenylether	BRL	µg/kg	450	56	1	8270C	04/08/10 1:33	cphilbrick	Q49259
4-Nitrophenol	BRL	µg/kg	450	57	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Acenaphthene	BRL	µg/kg	450	60	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Acenaphthylene	BRL	µg/kg	450	42	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Anthracene	BRL	µg/kg	450	32	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Benzo(a)anthracene	BRL	µg/kg	450	50	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Benzo(a)pyrene	BRL	µg/kg	450	56	1	8270C	04/08/10 1:33	cphilbrick	Q49259

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Sample Matrix: Soil

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COC Group: G0410028
Time Collected: 03/30/10 12:40
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Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Benzo(b)fluoranthene	BRL	µg/kg	450	91	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Benzo(g,h,i)perylene	BRL	µg/kg	450	57	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Benzo(k)fluoranthene	BRL	µg/kg	450	120	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Bis(2-chloroethoxy)methane	BRL	µg/kg	450	75	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Bis(2-chloroethyl)ether	BRL	µg/kg	450	55	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Bis(2-chloroisopropyl)ether	BRL	µg/kg	450	45	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Bis(2-ethylhexyl)phthalate	BRL	µg/kg	450	34	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Butylbenzylphthalate	BRL	µg/kg	450	55	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Chrysene	BRL	µg/kg	450	30	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Di-n-butylphthalate	BRL	µg/kg	450	71	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Di-n-octylphthalate	BRL	µg/kg	450	130	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Dibenzo(a,h)anthracene	BRL	µg/kg	450	42	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Dibenzofuran	BRL	µg/kg	450	54	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Diethylphthalate	BRL	µg/kg	450	110	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Dimethylphthalate	BRL	µg/kg	450	66	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Fluoranthene	BRL	µg/kg	450	79	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Fluorene	BRL	µg/kg	450	63	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Hexachlorobenzene	BRL	µg/kg	450	61	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Hexachlorobutadiene	BRL	µg/kg	450	44	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Hexachlorocyclopentadiene	BRL	µg/kg	450	66	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Hexachloroethane	BRL	µg/kg	450	18	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Indeno(1,2,3-cd)pyrene	BRL	µg/kg	450	42	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Isophorone	BRL	µg/kg	450	43	1	8270C	04/08/10 1:33	cphilbrick	Q49259
N-Nitrosodi-n-propylamine	BRL	µg/kg	450	26	1	8270C	04/08/10 1:33	cphilbrick	Q49259
N-Nitrosodiphenylamine	BRL	µg/kg	450	65	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Naphthalene	BRL	µg/kg	450	53	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Nitrobenzene	BRL	µg/kg	450	56	1	8270C	04/08/10 1:33	cphilbrick	Q49259

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Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Pentachlorophenol	**BRL**	µg/kg	450	68	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Phenanthrene	**BRL**	µg/kg	450	38	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Phenol	**BRL**	µg/kg	450	78	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Pyrene	**BRL**	µg/kg	450	85	1	8270C	04/08/10 1:33	cphilbrick	Q49259
Sample Preparation:			30.37 g	/	1 mL	3550B	04/06/10 13:30	aguptill	P27199

Surrogate	% Recovery	Control Limits
Terphenyl-d14	98	41 - 136
Phenol-d5	60	13 - 95
Nitrobenzene-d5	62	14 - 103
2-Fluorophenol	60	14 - 89
2-Fluorobiphenyl	64	21 - 108
2,4,6-Tribromophenol	72	25 - 123

Diesel Range Organics (DRO) by GC-FID

Diesel Range Organics (DRO)	**BRL**	mg/kg	9.5	1.5	1	8015B	04/09/10 5:56	jvogel	Q49287
Sample Preparation:			25.11 g	/	1 mL	3545	04/07/10 17:00	athao	P27216

Surrogate	% Recovery	Control Limits
o-Terphenyl	76	49 - 124

Sample Weight Determination

Weight 1	**5.85**	g			1	GRO	04/06/10 0:00	lbrown	
Weight 2	**5.33**	g			1	GRO	04/06/10 0:00	lbrown	

Gasoline Range Organics (GRO) by GC-FID

Gasoline Range Organics (GRO)	**BRL**	mg/kg	6.8	4.3	50	8015B	04/08/10 22:16	heasler	Q49295

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Laboratory Report

04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-11-6-8
Prism Sample ID: 275466
COC Group: G0410028
Time Collected: 03/30/10 12:40
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID

Surrogate recovery was outside the control limits. No target compounds were detected in this sample that were associated with this surrogate. No further action was taken.

Surrogate	% Recovery	Control Limits
aaa-TFT	135 #	55 - 129

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Mercury by CVAA									
Mercury	**0.031**	mg/kg	0.027	0.0019	1	7471A	04/09/10 16:04	kpowers	Q49336
Sample Preparation:				0.6 g /	30 mL	7471A	04/09/10 8:20	kpowers	P27230
Metals by ICP									
Arsenic	**2.9**	mg/kg	0.68	0.077	1	6010B	04/09/10 1:36	pfitzgerald	Q49277
Barium	**95**	mg/kg	3.4	0.51	5	6010B	04/14/10 1:40	dsullivan	Q49277
Cadmium	**1.5**	mg/kg	0.34	0.036	1	6010B	04/09/10 1:36	pfitzgerald	Q49277
Chromium	**14**	mg/kg	0.34	0.047	1	6010B	04/09/10 1:36	pfitzgerald	Q49277
Lead	**38**	mg/kg	1.7	0.42	5	6010B	04/14/10 1:40	dsullivan	Q49277
Selenium	**1.2 J**	mg/kg	3.4	0.69	5	6010B	04/14/10 1:40	dsullivan	Q49277
Silver	**BRL**	mg/kg	0.34	0.035	1	6010B	04/09/10 1:36	pfitzgerald	Q49277
Sample Preparation:				2 g /	50 mL	3050B	04/07/10 9:15	jbrayton	P27212

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services

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Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-12-6-8
Prism Sample ID: 275467
COC Group: G0410028
Time Collected: 03/30/10 13:15
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	**63.8**	%			1	SM2540 G	04/05/10 13:30	jbrayton	
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	**BRL**	µg/kg	6.7	2.2	1	8260B	04/06/10 18:25	erussell	Q49229
1,1,1-Trichloroethane	**BRL**	µg/kg	6.7	1.5	1	8260B	04/06/10 18:25	erussell	Q49229
1,1,2,2-Tetrachloroethane	**BRL**	µg/kg	6.7	1.9	1	8260B	04/06/10 18:25	erussell	Q49229
1,1,2-Trichloroethane	**BRL**	µg/kg	6.7	1.9	1	8260B	04/06/10 18:25	erussell	Q49229
1,1-Dichloroethane	**BRL**	µg/kg	6.7	1.7	1	8260B	04/06/10 18:25	erussell	Q49229
1,1-Dichloroethene	**BRL**	µg/kg	6.7	1.6	1	8260B	04/06/10 18:25	erussell	Q49229
1,1-Dichloropropene	**BRL**	µg/kg	6.7	1.4	1	8260B	04/06/10 18:25	erussell	Q49229
1,2,3-Trichlorobenzene	**BRL**	µg/kg	13	2.2	1	8260B	04/06/10 18:25	erussell	Q49229
1,2,3-Trichloropropane	**BRL**	µg/kg	6.7	2.8	1	8260B	04/06/10 18:25	erussell	Q49229
1,2,4-Trichlorobenzene	**BRL**	µg/kg	13	1.8	1	8260B	04/06/10 18:25	erussell	Q49229
1,2,4-Trimethylbenzene	**BRL**	µg/kg	13	1.7	1	8260B	04/06/10 18:25	erussell	Q49229
1,2-Dibromo-3-chloropropane	**BRL**	µg/kg	6.7	2.4	1	8260B	04/06/10 18:25	erussell	Q49229
1,2-Dibromoethane (EDB)	**BRL**	µg/kg	6.7	1.9	1	8260B	04/06/10 18:25	erussell	Q49229
1,2-Dichlorobenzene	**BRL**	µg/kg	13	1.8	1	8260B	04/06/10 18:25	erussell	Q49229
1,2-Dichloroethane	**BRL**	µg/kg	6.7	1.7	1	8260B	04/06/10 18:25	erussell	Q49229
1,2-Dichloropropane	**BRL**	µg/kg	6.7	2.0	1	8260B	04/06/10 18:25	erussell	Q49229
1,3,5-Trimethylbenzene	**BRL**	µg/kg	13	1.8	1	8260B	04/06/10 18:25	erussell	Q49229
1,3-Dichlorobenzene	**BRL**	µg/kg	13	1.6	1	8260B	04/06/10 18:25	erussell	Q49229
1,3-Dichloropropane	**BRL**	µg/kg	6.7	1.4	1	8260B	04/06/10 18:25	erussell	Q49229
1,4-Dichlorobenzene	**BRL**	µg/kg	13	1.7	1	8260B	04/06/10 18:25	erussell	Q49229
2,2-Dichloropropane	**BRL**	µg/kg	6.7	1.6	1	8260B	04/06/10 18:25	erussell	Q49229
2-Chloroethyl vinyl ether	**BRL**	µg/kg	13	2.0	1	8260B	04/06/10 18:25	erussell	Q49229
2-Chlorotoluene	**BRL**	µg/kg	13	1.7	1	8260B	04/06/10 18:25	erussell	Q49229
2-Hexanone	**BRL**	µg/kg	67	2.0	1	8260B	04/06/10 18:25	erussell	Q49229

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Laboratory Report

04/19/10

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Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-12-6-8
Prism Sample ID: 275467
COC Group: G0410028
Time Collected: 03/30/10 13:15
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	µg/kg	13	1.6	1	8260B	04/06/10 18:25	erussell	Q49229
4-Methyl-2-pentanone (MIBK)	BRL	µg/kg	13	1.5	1	8260B	04/06/10 18:25	erussell	Q49229
Acetone	BRL	µg/kg	27	2.9	1	8260B	04/06/10 18:25	erussell	Q49229
Benzene	BRL	µg/kg	4.0	1.8	1	8260B	04/06/10 18:25	erussell	Q49229
Bromobenzene	BRL	µg/kg	6.7	1.6	1	8260B	04/06/10 18:25	erussell	Q49229
Bromochloromethane	BRL	µg/kg	6.7	1.8	1	8260B	04/06/10 18:25	erussell	Q49229
Bromodichloromethane	BRL	µg/kg	6.7	1.5	1	8260B	04/06/10 18:25	erussell	Q49229
Bromoform	BRL	µg/kg	6.7	1.5	1	8260B	04/06/10 18:25	erussell	Q49229
Bromomethane	BRL	µg/kg	13	1.7	1	8260B	04/06/10 18:25	erussell	Q49229
Carbon disulfide	BRL	µg/kg	13	1.4	1	8260B	04/06/10 18:25	erussell	Q49229
Carbon tetrachloride	BRL	µg/kg	6.7	2.0	1	8260B	04/06/10 18:25	erussell	Q49229
Chlorobenzene	BRL	µg/kg	6.7	1.5	1	8260B	04/06/10 18:25	erussell	Q49229
Chlorodibromomethane	BRL	µg/kg	6.7	1.7	1	8260B	04/06/10 18:25	erussell	Q49229
Chloroethane	BRL	µg/kg	13	3.5	1	8260B	04/06/10 18:25	erussell	Q49229
Chloroform	BRL	µg/kg	6.7	1.7	1	8260B	04/06/10 18:25	erussell	Q49229
Chloromethane	BRL	µg/kg	13	1.6	1	8260B	04/06/10 18:25	erussell	Q49229
cis-1,2-Dichloroethene	BRL	µg/kg	6.7	1.6	1	8260B	04/06/10 18:25	erussell	Q49229
cis-1,3-Dichloropropene	BRL	µg/kg	6.7	1.6	1	8260B	04/06/10 18:25	erussell	Q49229
Dibromomethane	BRL	µg/kg	6.7	1.9	1	8260B	04/06/10 18:25	erussell	Q49229
Dichlorodifluoromethane	BRL	µg/kg	13	1.4	1	8260B	04/06/10 18:25	erussell	Q49229
Ethylbenzene	BRL	µg/kg	6.7	1.4	1	8260B	04/06/10 18:25	erussell	Q49229
Hexachlorobutadiene	BRL	µg/kg	20	1.6	1	8260B	04/06/10 18:25	erussell	Q49229
Isopropyl ether (IPE)	BRL	µg/kg	6.7	1.7	1	8260B	04/06/10 18:25	erussell	Q49229
Isopropylbenzene	BRL	µg/kg	13	1.5	1	8260B	04/06/10 18:25	erussell	Q49229
m,p-Xylenes	BRL	µg/kg	13	3.6	1	8260B	04/06/10 18:25	erussell	Q49229
Methyl ethyl ketone (MEK)	BRL	µg/kg	27	1.7	1	8260B	04/06/10 18:25	erussell	Q49229
Methyl t-butyl ether (MTBE)	BRL	µg/kg	6.7	1.4	1	8260B	04/06/10 18:25	erussell	Q49229

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Laboratory Report

04/19/10

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1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-12-6-8
Prism Sample ID: 275467
COC Group: G0410028
Time Collected: 03/30/10 13:15
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methylene chloride	**BRL**	µg/kg	13	1.8	1	8260B	04/06/10 18:25	erussell	Q49229
n-Butylbenzene	**BRL**	µg/kg	20	2.4	1	8260B	04/06/10 18:25	erussell	Q49229
n-Propylbenzene	**BRL**	µg/kg	13	1.9	1	8260B	04/06/10 18:25	erussell	Q49229
Naphthalene	**BRL**	µg/kg	6.7	3.6	1	8260B	04/06/10 18:25	erussell	Q49229
o-Xylene	**BRL**	µg/kg	6.7	1.5	1	8260B	04/06/10 18:25	erussell	Q49229
p-Isopropyltoluene	**BRL**	µg/kg	20	1.9	1	8260B	04/06/10 18:25	erussell	Q49229
sec-Butylbenzene	**BRL**	µg/kg	20	1.8	1	8260B	04/06/10 18:25	erussell	Q49229
Styrene	**BRL**	µg/kg	6.7	1.3	1	8260B	04/06/10 18:25	erussell	Q49229
tert-Butylbenzene	**BRL**	µg/kg	27	1.8	1	8260B	04/06/10 18:25	erussell	Q49229
Tetrachloroethene	**BRL**	µg/kg	13	1.7	1	8260B	04/06/10 18:25	erussell	Q49229
Toluene	**BRL**	µg/kg	6.7	1.6	1	8260B	04/06/10 18:25	erussell	Q49229
trans-1,2-Dichloroethene	**BRL**	µg/kg	6.7	1.3	1	8260B	04/06/10 18:25	erussell	Q49229
trans-1,3-Dichloropropene	**BRL**	µg/kg	6.7	1.3	1	8260B	04/06/10 18:25	erussell	Q49229
Trichloroethene	**BRL**	µg/kg	6.7	1.9	1	8260B	04/06/10 18:25	erussell	Q49229
Trichlorofluoromethane	**BRL**	µg/kg	6.7	1.9	1	8260B	04/06/10 18:25	erussell	Q49229
Vinyl chloride	**BRL**	µg/kg	13	1.7	1	8260B	04/06/10 18:25	erussell	Q49229

Surrogate	% Recovery	Control Limits
Toluene-d8	103	81 - 128
Dibromofluoromethane	106	67 - 143
Bromofluorobenzene	97	77 - 128

Sample Weight Determination

Weight Bisulfate 1	**5.86**	g			1	5035	04/06/10	lbrown
Weight Bisulfate 2		g			1	5035	04/06/10	lbrown
Weight Methanol	**5.04**	g			1	5035	04/06/10	lbrown

Semi-volatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	**BRL**	µg/kg	520	57	1	8270C	04/08/10 3:02	cphilbrick	Q49259

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Sample Matrix: Soil

Client Sample ID: P2-12-6-8
Prism Sample ID: 275467
COC Group: G0410028
Time Collected: 03/30/10 13:15
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2-Dichlorobenzene	BRL	µg/kg	520	57	1	8270C	04/08/10 3:02	cphilbrick	Q49259
1,3-Dichlorobenzene	BRL	µg/kg	520	50	1	8270C	04/08/10 3:02	cphilbrick	Q49259
1,4-Dichlorobenzene	BRL	µg/kg	520	62	1	8270C	04/08/10 3:02	cphilbrick	Q49259
2,4,5-Trichlorophenol	BRL	µg/kg	520	61	1	8270C	04/08/10 3:02	cphilbrick	Q49259
2,4,6-Trichlorophenol	BRL	µg/kg	520	56	1	8270C	04/08/10 3:02	cphilbrick	Q49259
2,4-Dichlorophenol	BRL	µg/kg	520	34	1	8270C	04/08/10 3:02	cphilbrick	Q49259
2,4-Dimethylphenol	BRL	µg/kg	520	77	1	8270C	04/08/10 3:02	cphilbrick	Q49259
2,4-Dinitrophenol	BRL	µg/kg	520	150	1	8270C	04/08/10 3:02	cphilbrick	Q49259
2,4-Dinitrotoluene	BRL	µg/kg	520	68	1	8270C	04/08/10 3:02	cphilbrick	Q49259
2,6-Dinitrotoluene	BRL	µg/kg	520	93	1	8270C	04/08/10 3:02	cphilbrick	Q49259
2-Chloronaphthalene	BRL	µg/kg	520	65	1	8270C	04/08/10 3:02	cphilbrick	Q49259
2-Chlorophenol	BRL	µg/kg	520	22	1	8270C	04/08/10 3:02	cphilbrick	Q49259
2-Methylnaphthalene	BRL	µg/kg	520	58	1	8270C	04/08/10 3:02	cphilbrick	Q49259
2-Methylphenol	BRL	µg/kg	520	42	1	8270C	04/08/10 3:02	cphilbrick	Q49259
2-Nitrophenol	BRL	µg/kg	520	73	1	8270C	04/08/10 3:02	cphilbrick	Q49259
3&4-Methylphenol	BRL	µg/kg	520	61	1	8270C	04/08/10 3:02	cphilbrick	Q49259
3,3'-Dichlorobenzidine	BRL	µg/kg	520	94	1	8270C	04/08/10 3:02	cphilbrick	Q49259
4,6-Dinitro-2-methylphenol	BRL	µg/kg	520	44	1	8270C	04/08/10 3:02	cphilbrick	Q49259
4-Bromophenylphenylether	BRL	µg/kg	520	65	1	8270C	04/08/10 3:02	cphilbrick	Q49259
4-Chloro-3-methylphenol	BRL	µg/kg	520	61	1	8270C	04/08/10 3:02	cphilbrick	Q49259
4-Chlorophenylphenylether	BRL	µg/kg	520	65	1	8270C	04/08/10 3:02	cphilbrick	Q49259
4-Nitrophenol	BRL	µg/kg	520	66	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Acenaphthene	BRL	µg/kg	520	70	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Acenaphthylene	BRL	µg/kg	520	49	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Anthracene	BRL	µg/kg	520	38	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Benzo(a)anthracene	BRL	µg/kg	520	58	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Benzo(a)pyrene	BRL	µg/kg	520	65	1	8270C	04/08/10 3:02	cphilbrick	Q49259

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Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-12-6-8
Prism Sample ID: 275467
COC Group: G0410028
Time Collected: 03/30/10 13:15
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Benzo(b)fluoranthene	BRL	µg/kg	520	110	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Benzo(g,h,i)perylene	BRL	µg/kg	520	66	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Benzo(k)fluoranthene	BRL	µg/kg	520	140	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Bis(2-chloroethoxy)methane	BRL	µg/kg	520	87	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Bis(2-chloroethyl)ether	BRL	µg/kg	520	64	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Bis(2-chloroisopropyl)ether	BRL	µg/kg	520	52	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Bis(2-ethylhexyl)phthalate	BRL	µg/kg	520	40	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Butylbenzylphthalate	BRL	µg/kg	520	64	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Chrysene	BRL	µg/kg	520	35	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Di-n-butylphthalate	BRL	µg/kg	520	83	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Di-n-octylphthalate	BRL	µg/kg	520	150	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Dibenzo(a,h)anthracene	BRL	µg/kg	520	48	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Dibenzofuran	BRL	µg/kg	520	63	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Diethylphthalate	BRL	µg/kg	520	130	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Dimethylphthalate	BRL	µg/kg	520	77	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Fluoranthene	BRL	µg/kg	520	92	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Fluorene	BRL	µg/kg	520	74	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Hexachlorobenzene	BRL	µg/kg	520	71	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Hexachlorobutadiene	BRL	µg/kg	520	51	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Hexachlorocyclopentadiene	BRL	µg/kg	520	77	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Hexachloroethane	BRL	µg/kg	520	21	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Indeno(1,2,3-cd)pyrene	BRL	µg/kg	520	49	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Isophorone	BRL	µg/kg	520	49	1	8270C	04/08/10 3:02	cphilbrick	Q49259
N-Nitrosodi-n-propylamine	BRL	µg/kg	520	30	1	8270C	04/08/10 3:02	cphilbrick	Q49259
N-Nitrosodiphenylamine	BRL	µg/kg	520	75	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Naphthalene	BRL	µg/kg	520	62	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Nitrobenzene	BRL	µg/kg	520	65	1	8270C	04/08/10 3:02	cphilbrick	Q49259

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Laboratory Report

04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-12-6-8
Prism Sample ID: 275467
COC Group: G0410028
Time Collected: 03/30/10 13:15
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Pentachlorophenol	**BRL**	µg/kg	520	79	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Phenanthrene	**BRL**	µg/kg	520	44	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Phenol	**BRL**	µg/kg	520	91	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Pyrene	**BRL**	µg/kg	520	99	1	8270C	04/08/10 3:02	cphilbrick	Q49259
Sample Preparation:			29.96 g	/	1 mL	3550B	04/06/10 13:30	aguptill	P27199

Surrogate	% Recovery	Control Limits
Terphenyl-d14	88	41 - 136
Phenol-d5	53	13 - 95
Nitrobenzene-d5	54	14 - 103
2-Fluorophenol	56	14 - 89
2-Fluorobiphenyl	52	21 - 108
2,4,6-Tribromophenol	59	25 - 123

Diesel Range Organics (DRO) by GC-FID

Diesel Range Organics (DRO)	**BRL**	mg/kg	7.8	1.8	1	8015B	04/08/10 21:01	jvogel	Q49287
Sample Preparation:			25.07 g	/	1 mL	3545	04/07/10 17:00	athao	P27216

Surrogate	% Recovery	Control Limits
o-Terphenyl	62	49 - 124

Sample Weight Determination

Weight 1	**5.02**	g			1	GRO	04/06/10 0:00	lbrown	
Weight 2	**5.62**	g			1	GRO	04/06/10 0:00	lbrown	

Gasoline Range Organics (GRO) by GC-FID

Gasoline Range Organics (GRO)	**BRL**	mg/kg	7.8	4.9	50	8015B	04/08/10 22:47	heasler	Q49295

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1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: P2-12-6-8
Prism Sample ID: 275467
COC Group: G0410028
Time Collected: 03/30/10 13:15
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Surrogate							**% Recovery**		**Control Limits**
aaa-TFT							127		55 - 129
Mercury by CVAA									
Mercury	**0.033**	mg/kg	0.031	0.0021	1	7471A	04/09/10 16:09	kpowers	Q49336
Sample Preparation:				0.6 g /	30 mL	7471A	04/09/10 8:20	kpowers	P27230
Metals by ICP									
Arsenic	**2.7**	mg/kg	0.78	0.089	1	6010B	04/09/10 1:43	pfitzgerald	Q49277
Barium	**32**	mg/kg	3.9	0.58	5	6010B	04/14/10 1:48	dsullivan	Q49277
Cadmium	**1.2**	mg/kg	0.39	0.042	1	6010B	04/09/10 1:43	pfitzgerald	Q49277
Chromium	**11**	mg/kg	0.39	0.054	1	6010B	04/09/10 1:43	pfitzgerald	Q49277
Lead	**37**	mg/kg	2.0	0.48	5	6010B	04/14/10 1:48	dsullivan	Q49277
Selenium	**4.2**	mg/kg	3.9	0.79	5	6010B	04/14/10 1:48	dsullivan	Q49277
Silver	**BRL**	mg/kg	0.39	0.040	1	6010B	04/09/10 1:43	pfitzgerald	Q49277
Sample Preparation:				2.03 g /	50 mL	3050B	04/07/10 9:15	jbrayton	P27212

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

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Angela D. Overcash, V.P. Laboratory Services

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Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: M-1-6-8
Prism Sample ID: 275468
COC Group: G0410028
Time Collected: 03/30/10 14:30
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	**69.6**	%			1	SM2540 G	04/05/10 13:30	jbrayton	
Diesel Range Organics (DRO) by GC-FID									
Diesel Range Organics (DRO)	**BRL**	mg/kg	10	1.6	1	8015B	04/08/10 21:36	jvogel	Q49287
Sample Preparation:			25.11 g	/	1 mL	3545	04/07/10 17:00	athao	P27216

Surrogate	% Recovery	Control Limits
o-Terphenyl	71	49 - 124

Sample Weight Determination									
Weight 1	**5.98**	g			1	GRO	04/06/10 0:00	lbrown	
Weight 2	**6.37**	g			1	GRO	04/06/10 0:00	lbrown	
Gasoline Range Organics (GRO) by GC-FID									
Gasoline Range Organics (GRO)	**BRL**	mg/kg	7.2	4.5	50	8015B	04/08/10 23:18	heasler	Q49295

Surrogate recovery was outside the control limits. No target compounds were detected in this sample that were associated with this surrogate. No further action was taken.

Surrogate	% Recovery	Control Limits
aaa-TFT	131 #	55 - 129

Sample Comment(s):

BRL = Below Reporting Limit

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Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: M-2-6-8
Prism Sample ID: 275469
COC Group: G0410028
Time Collected: 03/30/10 14:50
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	**72.8**	%			1	SM2540 G	04/05/10 13:30	jbrayton	
Diesel Range Organics (DRO) by GC-FID									
Diesel Range Organics (DRO)	**BRL**	mg/kg	9.6	1.5	1	8015B	04/08/10 22:12	jvogel	Q49287
Sample Preparation:			25.13 g	/	1 mL	3545	04/07/10 17:00	athao	P27216

Surrogate	% Recovery	Control Limits
o-Terphenyl	65	49 - 124

Sample Weight Determination									
Weight 1	**6.32**	g			1	GRO	04/06/10 0:00	lbrown	
Weight 2	**6.41**	g			1	GRO	04/06/10 0:00	lbrown	
Gasoline Range Organics (GRO) by GC-FID									
Gasoline Range Organics (GRO)	**BRL**	mg/kg	6.9	4.3	50	8015B	04/08/10 23:50	heasler	Q49295

Surrogate	% Recovery	Control Limits
aaa-TFT	115	55 - 129

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

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Laboratory Report

04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
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1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: M-3-6-8
Prism Sample ID: 275470
COC Group: G0410028
Time Collected: 03/30/10 15:15
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	**75.1**	%			1	SM2540 G	04/05/10 13:30	jbrayton	
Diesel Range Organics (DRO) by GC-FID									
Diesel Range Organics (DRO)	**BRL**	mg/kg	9.3	1.5	1	8015B	04/09/10 5:20	jvogel	Q49287
Sample Preparation:				25 g /	1 mL	3545	04/07/10 17:00	athao	P27216

Surrogate	% Recovery	Control Limits
o-Terphenyl	69	49 - 124

Sample Weight Determination									
Weight 1	**7.16**	g			1	GRO	04/06/10 0:00	lbrown	
Weight 2	**6.79**	g			1	GRO	04/06/10 0:00	lbrown	
Gasoline Range Organics (GRO) by GC-FID									
Gasoline Range Organics (GRO)	**BRL**	mg/kg	6.7	4.2	50	8015B	04/09/10 0:21	heasler	Q49295

Surrogate	% Recovery	Control Limits
aaa-TFT	115	55 - 129

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

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Laboratory Report

04/19/10

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Attn: Jodi Overmyer
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1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: M-4-6-8
Prism Sample ID: 275471
COC Group: G0410028
Time Collected: 03/30/10 15:30
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	**82.4**	%			1	SM2540 G	04/05/10 13:30	jbrayton	
Diesel Range Organics (DRO) by GC-FID									
Diesel Range Organics (DRO)	**BRL**	mg/kg	8.5	1.4	1	8015B	04/08/10 22:48	jvogel	Q49287
Sample Preparation:			25.04 g	/	1 mL	3545	04/07/10 17:00	athao	P27216

Surrogate	% Recovery	Control Limits
o-Terphenyl	63	49 - 124

Sample Weight Determination									
Weight 1	**6.69**	g			1	GRO	04/06/10 0:00	lbrown	
Weight 2	**6.63**	g			1	GRO	04/06/10 0:00	lbrown	
Gasoline Range Organics (GRO) by GC-FID									
Gasoline Range Organics (GRO)	**BRL**	mg/kg	6.1	3.8	50	8015B	04/09/10 0:52	heasler	Q49295

Surrogate recovery was outside the control limits. No target compounds were detected in this sample that were associated with this surrogate. No further action was taken.

Surrogate	% Recovery	Control Limits
aaa-TFT	137 #	55 - 129

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

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Laboratory Report

04/19/10

N. C. Department of Transportation
Attn: Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1
Sample Matrix: Soil

Client Sample ID: M-5-6-8
Prism Sample ID: 275472
COC Group: G0410028
Time Collected: 03/30/10 15:50
Time Submitted: 03/31/10 14:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	**86.7**	%			1	SM2540 G	04/05/10 13:30	jbrayton	
Diesel Range Organics (DRO) by GC-FID									
Diesel Range Organics (DRO)	**BRL**	mg/kg	8.1	1.3	1	8015B	04/09/10 18:42	jvogel	Q49322
Sample Preparation:			25.02 g	/	1 mL	3545	04/08/10 17:00	athao	P27223

Surrogate	% Recovery	Control Limits
o-Terphenyl	62	49 - 124

Sample Weight Determination									
Weight 1	**6.46**	g			1	GRO	04/06/10 0:00	lbrown	
Weight 2	**6.34**	g			1	GRO	04/06/10 0:00	lbrown	
Gasoline Range Organics (GRO) by GC-FID									
Gasoline Range Organics (GRO)	**BRL**	mg/kg	5.8	3.6	50	8015B	04/09/10 1:24	heasler	Q49295

Surrogate recovery was outside the control limits. No target compounds were detected in this sample that were associated with this surrogate. No further action was taken.

Surrogate	% Recovery	Control Limits
aaa-TFT	136 #	55 - 129

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

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All results are reported on a dry-weight basis

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Level II QC Report

4/19/10

N. C. Department of Transportation
Attn Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1

COC Group Number: G0410028
Date/Time Submitted: 3/31/10 14:30

Volatile Organic Compounds by GC/MS, method 8260B

Method Blank

	Result	RL	Control Limit	Units	QC Batch ID
1,1,1,2-Tetrachloroethane	ND	5	<2.5	µg/kg	Q49229
1,1,1-Trichloroethane	ND	5	<2.5	µg/kg	Q49229
1,1,2,2-Tetrachloroethane	ND	5	<2.5	µg/kg	Q49229
1,1,2-Trichloroethane	ND	5	<2.5	µg/kg	Q49229
1,1-Dichloroethane	ND	5	<2.5	µg/kg	Q49229
1,1-Dichloroethene	ND	5	<2.5	µg/kg	Q49229
1,1-Dichloropropene	ND	5	<2.5	µg/kg	Q49229
1,2,3-Trichlorobenzene	ND	10	<5	µg/kg	Q49229
1,2,3-Trichloropropane	ND	5	<2.5	µg/kg	Q49229
1,2,4-Trichlorobenzene	ND	10	<5	µg/kg	Q49229
1,2,4-Trimethylbenzene	ND	10	<5	µg/kg	Q49229
1,2-Dibromo-3-chloropropane	ND	5	<2.5	µg/kg	Q49229
1,2-Dibromoethane (EDB)	ND	5	<2.5	µg/kg	Q49229
1,2-Dichlorobenzene	ND	10	<5	µg/kg	Q49229
1,2-Dichloroethane	ND	5	<2.5	µg/kg	Q49229
1,2-Dichloropropane	ND	5	<2.5	µg/kg	Q49229
1,3,5-Trimethylbenzene	ND	10	<5	µg/kg	Q49229
1,3-Dichlorobenzene	ND	10	<5	µg/kg	Q49229
1,3-Dichloropropane	ND	5	<2.5	µg/kg	Q49229
1,4-Dichlorobenzene	ND	10	<5	µg/kg	Q49229
2,2-Dichloropropane	ND	5	<2.5	µg/kg	Q49229
2-Chloroethyl vinyl ether	ND	10	<5	µg/kg	Q49229
2-Chlorotoluene	ND	10	<5	µg/kg	Q49229
2-Hexanone	ND	50	<25	µg/kg	Q49229
4-Chlorotoluene	ND	10	<5	µg/kg	Q49229
4-Methyl-2-pentanone (MIBK)	ND	10	<5	µg/kg	Q49229
Acetone	ND	20	<10	µg/kg	Q49229
Benzene	ND	3	<1.5	µg/kg	Q49229
Bromobenzene	ND	5	<2.5	µg/kg	Q49229
Bromochloromethane	ND	5	<2.5	µg/kg	Q49229
Bromodichloromethane	ND	5	<2.5	µg/kg	Q49229
Bromoform	ND	5	<2.5	µg/kg	Q49229
Bromomethane	ND	10	<5	µg/kg	Q49229
Carbon disulfide	ND	10	<5	µg/kg	Q49229

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Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1

COC Group Number: G0410028
Date/Time Submitted: 3/31/10 14:30

Method Blank

	Result	RL	Control Limit	Units	QC Batch ID
Carbon tetrachloride	ND	5	<2.5	µg/kg	Q49229
Chlorobenzene	ND	5	<2.5	µg/kg	Q49229
Chlorodibromomethane	ND	5	<2.5	µg/kg	Q49229
Chloroethane	ND	10	<5	µg/kg	Q49229
Chloroform	ND	5	<2.5	µg/kg	Q49229
Chloromethane	ND	10	<5	µg/kg	Q49229
cis-1,2-Dichloroethene	ND	5	<2.5	µg/kg	Q49229
cis-1,3-Dichloropropene	ND	5	<2.5	µg/kg	Q49229
Dibromomethane	ND	5	<2.5	µg/kg	Q49229
Dichlorodifluoromethane	ND	10	<5	µg/kg	Q49229
Ethylbenzene	ND	5	<2.5	µg/kg	Q49229
Hexachlorobutadiene	ND	15	<7.5	µg/kg	Q49229
Isopropyl ether (IPE)	ND	5	<2.5	µg/kg	Q49229
Isopropylbenzene	ND	10	<5	µg/kg	Q49229
m,p-Xylenes	ND	10	<5	µg/kg	Q49229
Methyl ethyl ketone (MEK)	ND	20	<10	µg/kg	Q49229
Methyl t-butyl ether (MTBE)	ND	5	<2.5	µg/kg	Q49229
Methylene chloride	ND	10	<5	µg/kg	Q49229
n-Butylbenzene	ND	15	<7.5	µg/kg	Q49229
n-Propylbenzene	ND	10	<5	µg/kg	Q49229
Naphthalene	ND	5	<2.5	µg/kg	Q49229
o-Xylene	ND	5	<2.5	µg/kg	Q49229
p-Isopropyltoluene	ND	15	<7.5	µg/kg	Q49229
sec-Butylbenzene	ND	15	<7.5	µg/kg	Q49229
Styrene	ND	5	<2.5	µg/kg	Q49229
tert-Butylbenzene	ND	20	<10	µg/kg	Q49229
Tetrachloroethene	ND	10	<5	µg/kg	Q49229
Toluene	ND	5	<2.5	µg/kg	Q49229
trans-1,2-Dichloroethene	ND	5	<2.5	µg/kg	Q49229
trans-1,3-Dichloropropene	ND	5	<2.5	µg/kg	Q49229
Trichloroethene	ND	5	<2.5	µg/kg	Q49229
Trichlorofluoromethane	ND	5	<2.5	µg/kg	Q49229
Vinyl chloride	ND	10	<5	µg/kg	Q49229

Laboratory Control Sample

	Result	Spike Amount	Units	Recovery %	Recovery Ranges %	QC Batch ID
1,1-Dichloroethene	42.43	50	µg/kg	85	70-154	Q49229

Full Service Analytical & Environmental Solutions

NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735

Level II QC Report

4/19/10

N. C. Department of Transportation
Attn Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1

COC Group Number: G0410028
Date/Time Submitted: 3/31/10 14:30

Laboratory Control Sample	Result	Spike Amount	Units	Recovery %	Recovery Ranges %	QC Batch ID
Benzene	43.8	50	µg/kg	88	77-128	Q49229
Chlorobenzene	39.71	50	µg/kg	79	78-119	Q49229
Toluene	42.87	50	µg/kg	86	76-131	Q49229
Trichloroethene	44.58	50	µg/kg	89	77-133	Q49229

Matrix Spike Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Ranges %	QC Batch ID
275463 1,1-Dichloroethene	45.46	50	µg/kg	91	65-162	Q49229
Benzene	45.81	50	µg/kg	92	73-131	Q49229
Chlorobenzene	40.9	50	µg/kg	82	76-119	Q49229
Toluene	44.51	50	µg/kg	89	72-135	Q49229
Trichloroethene	47.06	50	µg/kg	94	72-133	Q49229

Matrix Spike Duplicate Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Ranges %	RPD %	RPD Range %	QC Batch ID
275463 1,1-Dichloroethene	44.18	50	µg/kg	88	65-162	3	0 - 20	Q49229
Benzene	44.56	50	µg/kg	89	73-131	3	0 - 17	Q49229
Chlorobenzene	40.67	50	µg/kg	81	76-119	1	0 - 20	Q49229
Toluene	43.09	50	µg/kg	86	72-135	3	0 - 18	Q49229
Trichloroethene	45.52	50	µg/kg	91	72-133	3	0 - 17	Q49229

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

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1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
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Project No.: WBS# 34871.2.1

COC Group Number: G0410028
Date/Time Submitted: 3/31/10 14:30

Semi-volatile Organic Compounds by GC/MS, method 8270C

Method Blank	Result	RL	Control Limit	Units	QC Batch ID
1,2,4-Trichlorobenzene	ND	330	<165	µg/kg	Q49259
1,2-Dichlorobenzene	ND	330	<165	µg/kg	Q49259
1,3-Dichlorobenzene	ND	330	<165	µg/kg	Q49259
1,4-Dichlorobenzene	ND	330	<165	µg/kg	Q49259
2,4,5-Trichlorophenol	ND	330	<165	µg/kg	Q49259
2,4,6-Trichlorophenol	ND	330	<165	µg/kg	Q49259
2,4-Dichlorophenol	ND	330	<165	µg/kg	Q49259
2,4-Dimethylphenol	ND	330	<165	µg/kg	Q49259
2,4-Dinitrophenol	ND	330	<165	µg/kg	Q49259
2,4-Dinitrotoluene	ND	330	<165	µg/kg	Q49259
2,6-Dinitrotoluene	ND	330	<165	µg/kg	Q49259
2-Chloronaphthalene	ND	330	<165	µg/kg	Q49259
2-Chlorophenol	ND	330	<165	µg/kg	Q49259
2-Methylnaphthalene	ND	330	<165	µg/kg	Q49259
2-Methylphenol	ND	330	<165	µg/kg	Q49259
2-Nitrophenol	ND	330	<165	µg/kg	Q49259
3&4-Methylphenol	ND	330	<165	µg/kg	Q49259
3,3´-Dichlorobenzidine	ND	330	<165	µg/kg	Q49259
4,6-Dinitro-2-methylphenol	ND	330	<165	µg/kg	Q49259
4-Bromophenylphenylether	ND	330	<165	µg/kg	Q49259
4-Chloro-3-methylphenol	ND	330	<165	µg/kg	Q49259
4-Chlorophenylphenylether	ND	330	<165	µg/kg	Q49259
4-Nitrophenol	ND	330	<165	µg/kg	Q49259
Acenaphthene	ND	330	<165	µg/kg	Q49259
Acenaphthylene	ND	330	<165	µg/kg	Q49259
Anthracene	ND	330	<165	µg/kg	Q49259
Benzo(a)anthracene	ND	330	<165	µg/kg	Q49259
Benzo(a)pyrene	ND	330	<165	µg/kg	Q49259
Benzo(b)fluoranthene	ND	330	<165	µg/kg	Q49259
Benzo(g,h,i)perylene	ND	330	<165	µg/kg	Q49259
Benzo(k)fluoranthene	ND	330	<165	µg/kg	Q49259
Bis(2-chloroethoxy)methane	ND	330	<165	µg/kg	Q49259
Bis(2-chloroethyl)ether	ND	330	<165	µg/kg	Q49259
Bis(2-chloroisopropyl)ether	ND	330	<165	µg/kg	Q49259

N. C. Department of Transportation
Attn Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1

COC Group Number: G0410028
Date/Time Submitted: 3/31/10 14:30

Method Blank

	Result	RL	Control Limit	Units	QC Batch ID
Bis(2-ethylhexyl)phthalate	ND	330	<165	µg/kg	Q49259
Butylbenzylphthalate	ND	330	<165	µg/kg	Q49259
Chrysene	ND	330	<165	µg/kg	Q49259
Di-n-butylphthalate	ND	330	<165	µg/kg	Q49259
Di-n-octylphthalate	ND	330	<165	µg/kg	Q49259
Dibenzo(a,h)anthracene	ND	330	<165	µg/kg	Q49259
Dibenzofuran	ND	330	<165	µg/kg	Q49259
Diethylphthalate	ND	330	<165	µg/kg	Q49259
Dimethylphthalate	ND	330	<165	µg/kg	Q49259
Fluoranthene	ND	330	<165	µg/kg	Q49259
Fluorene	ND	330	<165	µg/kg	Q49259
Hexachlorobenzene	ND	330	<165	µg/kg	Q49259
Hexachlorobutadiene	ND	330	<165	µg/kg	Q49259
Hexachlorocyclopentadiene	ND	330	<165	µg/kg	Q49259
Hexachloroethane	ND	330	<165	µg/kg	Q49259
Indeno(1,2,3-cd)pyrene	ND	330	<165	µg/kg	Q49259
Isophorone	ND	330	<165	µg/kg	Q49259
N-Nitrosodi-n-propylamine	ND	330	<165	µg/kg	Q49259
N-Nitrosodiphenylamine	ND	330	<165	µg/kg	Q49259
Naphthalene	ND	330	<165	µg/kg	Q49259
Nitrobenzene	ND	330	<165	µg/kg	Q49259
Pentachlorophenol	ND	330	<165	µg/kg	Q49259
Phenanthrene	ND	330	<165	µg/kg	Q49259
Phenol	ND	330	<165	µg/kg	Q49259
Pyrene	ND	330	<165	µg/kg	Q49259

Laboratory Control Sample

	Result	Spike Amount	Units	Recovery %	Recovery Ranges %	QC Batch ID
1,2,4-Trichlorobenzene	781.496	1640.7	µg/kg	48	39-98	Q49259
1,2-Dichlorobenzene	760.498	1640.7	µg/kg	46	36-96	Q49259
1,3-Dichlorobenzene	751.968	1640.7	µg/kg	46	37-94	Q49259
1,4-Dichlorobenzene	652.230	1640.7	µg/kg	40	37-95	Q49259
2,4,5-Trichlorophenol	1025.59	1640.7	µg/kg	63	45-117	Q49259
2,4,6-Trichlorophenol	968.503	1640.7	µg/kg	59	45-112	Q49259
2,4-Dichlorophenol	836.614	1640.7	µg/kg	51	40-104	Q49259
2,4-Dimethylphenol	869.750	1640.7	µg/kg	53	39-103	Q49259
2,4-Dinitrophenol	706.364	1640.7	µg/kg	43	25-138	Q49259

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Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1

COC Group Number: G0410028
Date/Time Submitted: 3/31/10 14:30

Laboratory Control Sample

	Result	Spike Amount	Units	Recovery %	Recovery Ranges %	QC Batch ID
2,4-Dinitrotoluene	1178.80	1640.7	µg/kg	72	56-128	Q49259
2,6-Dinitrotoluene	1258.85	1640.7	µg/kg	77	52-124	Q49259
2-Chloronaphthalene	877.952	1640.7	µg/kg	54	40-108	Q49259
2-Chlorophenol	812.007	1640.7	µg/kg	49	37-98	Q49259
2-Methylnaphthalene	872.703	1640.7	µg/kg	53	35-113	Q49259
2-Methylphenol	873.687	1640.7	µg/kg	53	38-101	Q49259
2-Nitrophenol	855.643	1640.7	µg/kg	52	38-103	Q49259
3&4-Methylphenol	888.451	1640.7	µg/kg	54	35-106	Q49259
3,3'-Dichlorobenzidine	1581.03	1640.7	µg/kg	96	45-135	Q49259
4,6-Dinitro-2-methylphenol	1059.38	1640.7	µg/kg	65	54-131	Q49259
4-Bromophenylphenylether	1265.09	1640.7	µg/kg	77	54-116	Q49259
4-Chloro-3-methylphenol	1011.81	1640.7	µg/kg	62	45-111	Q49259
4-Chlorophenylphenylether	1167.97	1640.7	µg/kg	71	50-113	Q49259
4-Nitrophenol	1278.87	1640.7	µg/kg	78	20-157	Q49259
Acenaphthene	1019.02	1640.7	µg/kg	62	44-110	Q49259
Acenaphthylene	1034.12	1640.7	µg/kg	63	43-114	Q49259
Anthracene	1345.47	1640.7	µg/kg	82	59-120	Q49259
Benzo(a)anthracene	1319.55	1640.7	µg/kg	80	46-125	Q49259
Benzo(a)pyrene	1426.18	1640.7	µg/kg	87	60-124	Q49259
Benzo(b)fluoranthene	1331.69	1640.7	µg/kg	81	55-125	Q49259
Benzo(g,h,i)perylene	962.598	1640.7	µg/kg	59	41-133	Q49259
Benzo(k)fluoranthene	1203.08	1640.7	µg/kg	73	58-124	Q49259
Bis(2-chloroethoxy)methane	897.965	1640.7	µg/kg	55	36-103	Q49259
Bis(2-chloroethyl)ether	771.981	1640.7	µg/kg	47	33-97	Q49259
Bis(2-chloroisopropyl)ether	871.062	1640.7	µg/kg	53	34-98	Q49259
Bis(2-ethylhexyl)phthalate	1570.53	1640.7	µg/kg	96	58-129	Q49259
Butylbenzylphthalate	1552.49	1640.7	µg/kg	95	59-128	Q49259
Chrysene	1358.59	1640.7	µg/kg	83	44-128	Q49259
Di-n-butylphthalate	1443.56	1640.7	µg/kg	88	56-121	Q49259
Di-n-octylphthalate	1472.11	1640.7	µg/kg	90	59-125	Q49259
Dibenzo(a,h)anthracene	974.081	1640.7	µg/kg	59	46-129	Q49259
Dibenzofuran	1077.42	1640.7	µg/kg	66	47-112	Q49259
Diethylphthalate	1370.73	1640.7	µg/kg	84	55-118	Q49259
Dimethylphthalate	1286.74	1640.7	µg/kg	78	55-114	Q49259
Fluoranthene	1317.25	1640.7	µg/kg	80	57-120	Q49259
Fluorene	1175.19	1640.7	µg/kg	72	52-113	Q49259

N. C. Department of Transportation
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c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1

COC Group Number: G0410028
Date/Time Submitted: 3/31/10 14:30

Laboratory Control Sample	Result	Spike Amount	Units	Recovery %	Recovery Ranges %	QC Batch ID
Hexachlorobenzene	1221.12	1640.7	µg/kg	74	56-117	Q49259
Hexachlorobutadiene	718.503	1640.7	µg/kg	44	36-100	Q49259
Hexachlorocyclopentadiene	563.976	1640.7	µg/kg	34	33-120	Q49259
Hexachloroethane	757.545	1640.7	µg/kg	46	33-97	Q49259
Indeno(1,2,3-cd)pyrene	1450.45	1640.7	µg/kg	88	44-133	Q49259
Isophorone	979.330	1640.7	µg/kg	60	35-111	Q49259
N-Nitrosodi-n-propylamine	882.874	1640.7	µg/kg	54	38-101	Q49259
N-Nitrosodiphenylamine	1334.64	1640.7	µg/kg	81	60-117	Q49259
Naphthalene	869.422	1640.7	µg/kg	53	36-104	Q49259
Nitrobenzene	870.734	1640.7	µg/kg	53	36-100	Q49259
Pentachlorophenol	1107.61	1640.7	µg/kg	68	53-127	Q49259
Phenanthrene	1303.47	1640.7	µg/kg	79	58-117	Q49259
Phenol	847.769	1640.7	µg/kg	52	34-102	Q49259
Pyrene	1408.13	1640.7	µg/kg	86	54-131	Q49259

Matrix Spike Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Ranges %	QC Batch ID
275466 1,2,4-Trichlorobenzene	937	1667	µg/kg	56	26-97	Q49259
1,2-Dichlorobenzene	949	1667	µg/kg	57	24-93	Q49259
1,3-Dichlorobenzene	944.666	1667	µg/kg	57	23-92	Q49259
1,4-Dichlorobenzene	819.333	1667	µg/kg	49	23-92	Q49259
2,4,5-Trichlorophenol	1257.66	1667	µg/kg	75	33-118	Q49259
2,4,6-Trichlorophenol	1197.33	1667	µg/kg	72	32-113	Q49259
2,4-Dichlorophenol	1007.33	1667	µg/kg	60	28-103	Q49259
2,4-Dimethylphenol	979	1667	µg/kg	59	26-103	Q49259
2,4-Dinitrophenol	547.333	1667	µg/kg	33	24-146	Q49259
2,4-Dinitrotoluene	1390.33	1667	µg/kg	83	45-127	Q49259
2,6-Dinitrotoluene	1428	1667	µg/kg	86	40-121	Q49259
2-Chloronaphthalene	1088.66	1667	µg/kg	65	30-106	Q49259
2-Chlorophenol	1003	1667	µg/kg	60	25-94	Q49259
2-Methylnaphthalene	1053.33	1667	µg/kg	63	22-114	Q49259
2-Methylphenol	1059	1667	µg/kg	64	25-98	Q49259
2-Nitrophenol	989.666	1667	µg/kg	59	25-102	Q49259
3&4-Methylphenol	1070.33	1667	µg/kg	64	25-102	Q49259
3,3'-Dichlorobenzidine	1781.66	1667	µg/kg	107	45-135	Q49259
4,6-Dinitro-2-methylphenol	889	1667	µg/kg	53	42-139	Q49259
4-Bromophenylphenylether	1466.66	1667	µg/kg	88	42-115	Q49259

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Project Name: U-2826-B
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Project No.: WBS# 34871.2.1

COC Group Number: G0410028
Date/Time Submitted: 3/31/10 14:30

Matrix Spike

Sample ID:		Result	Spike Amount	Units	Recovery %		Recovery Ranges %	QC Batch ID
275466	4-Chloro-3-methylphenol	1278	1667	µg/kg	77		31-113	Q49259
	4-Chlorophenylphenylether	1390.33	1667	µg/kg	83		36-112	Q49259
	4-Nitrophenol	1449.33	1667	µg/kg	87		17-150	Q49259
	Acenaphthene	1254.66	1667	µg/kg	75		36-107	Q49259
	Acenaphthylene	1280.66	1667	µg/kg	77		33-110	Q49259
	Anthracene	1480.33	1667	µg/kg	89		48-120	Q49259
	Benzo(a)anthracene	1474.66	1667	µg/kg	88		31-128	Q49259
	Benzo(a)pyrene	1578.33	1667	µg/kg	95		50-123	Q49259
	Benzo(b)fluoranthene	1726.33	1667	µg/kg	104		45-125	Q49259
	Benzo(g,h,i)perylene	800.666	1667	µg/kg	48		38-124	Q49259
	Benzo(k)fluoranthene	1793.33	1667	µg/kg	108		48-121	Q49259
	Bis(2-chloroethoxy)methane	1097	1667	µg/kg	66		25-100	Q49259
	Bis(2-chloroethyl)ether	949.333	1667	µg/kg	57		17-101	Q49259
	Bis(2-chloroisopropyl)ether	1133.66	1667	µg/kg	68		20-96	Q49259
	Bis(2-ethylhexyl)phthalate	1832.33	1667	µg/kg	110		48-131	Q49259
	Butylbenzylphthalate	1788.66	1667	µg/kg	107		46-133	Q49259
	Chrysene	1485.33	1667	µg/kg	89		29-129	Q49259
	Di-n-butylphthalate	1626.66	1667	µg/kg	98		45-123	Q49259
	Di-n-octylphthalate	2519	1667	µg/kg	151	#	43-132	Q49259
	Dibenzo(a,h)anthracene	947	1667	µg/kg	57		34-130	Q49259
	Dibenzofuran	1325	1667	µg/kg	79		34-114	Q49259
	Diethylphthalate	1522.66	1667	µg/kg	91		39-121	Q49259
	Dimethylphthalate	1457	1667	µg/kg	87		41-114	Q49259
	Fluoranthene	1437.66	1667	µg/kg	86		47-121	Q49259
	Fluorene	1389.66	1667	µg/kg	83		38-117	Q49259
	Hexachlorobenzene	1366.33	1667	µg/kg	82		44-119	Q49259
	Hexachlorobutadiene	867	1667	µg/kg	52		25-96	Q49259
	Hexachlorocyclopentadiene	538.666	1667	µg/kg	32		21-116	Q49259
	Hexachloroethane	954.333	1667	µg/kg	57		22-92	Q49259
	Indeno(1,2,3-cd)pyrene	1355	1667	µg/kg	81		34-131	Q49259
	Isophorone	1231.66	1667	µg/kg	74		25-108	Q49259
	N-Nitrosodi-n-propylamine	1128	1667	µg/kg	68		22-105	Q49259
	N-Nitrosodiphenylamine	1516	1667	µg/kg	91		43-127	Q49259
	Naphthalene	1030.33	1667	µg/kg	62		25-101	Q49259
	Nitrobenzene	1053.33	1667	µg/kg	63		23-100	Q49259
	Pentachlorophenol	1198.33	1667	µg/kg	72		39-137	Q49259

N. C. Department of Transportation
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Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1

COC Group Number: G0410028
Date/Time Submitted: 3/31/10 14:30

Matrix Spike Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Ranges %	QC Batch ID
275466 Phenanthrene	1473	1667	µg/kg	88	47-121	Q49259
Phenol	1009.66	1667	µg/kg	61	23-97	Q49259
Pyrene	1496.33	1667	µg/kg	90	45-133	Q49259

Matrix Spike Duplicate Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Ranges %	RPD %	RPD Range %	QC Batch ID
275466 1,2,4-Trichlorobenzene	926.578	1661.4	µg/kg	56	26-97	1	0 - 37	Q49259
1,2-Dichlorobenzene	939.202	1661.4	µg/kg	57	24-93	1	0 - 35	Q49259
1,3-Dichlorobenzene	934.551	1661.4	µg/kg	56	23-92	1	0 - 36	Q49259
1,4-Dichlorobenzene	929.900	1661.4	µg/kg	56	23-92	13	0 - 36	Q49259
2,4,5-Trichlorophenol	1219.26	1661.4	µg/kg	73	33-118	3	0 - 28	Q49259
2,4,6-Trichlorophenol	1126.24	1661.4	µg/kg	68	32-113	6	0 - 34	Q49259
2,4-Dichlorophenol	1005.64	1661.4	µg/kg	61	28-103	0	0 - 36	Q49259
2,4-Dimethylphenol	974.086	1661.4	µg/kg	59	26-103	1	0 - 35	Q49259
2,4-Dinitrophenol	610.631	1661.4	µg/kg	37	24-146	11	0 - 33	Q49259
2,4-Dinitrotoluene	1330.56	1661.4	µg/kg	80	45-127	4	0 - 29	Q49259
2,6-Dinitrotoluene	1392.02	1661.4	µg/kg	84	40-121	3	0 - 30	Q49259
2-Chloronaphthalene	1034.21	1661.4	µg/kg	62	30-106	5	0 - 38	Q49259
2-Chlorophenol	988.704	1661.4	µg/kg	60	25-94	1	0 - 37	Q49259
2-Methylnaphthalene	1021.26	1661.4	µg/kg	61	22-114	3	0 - 40	Q49259
2-Methylphenol	1037.87	1661.4	µg/kg	62	25-98	2	0 - 36	Q49259
2-Nitrophenol	972.425	1661.4	µg/kg	59	25-102	2	0 - 39	Q49259
3&4-Methylphenol	1055.48	1661.4	µg/kg	64	25-102	1	0 - 39	Q49259
3,3'-Dichlorobenzidine	1683.38	1661.4	µg/kg	101	45-135	6	0 - 60	Q49259
4,6-Dinitro-2-methylphenol	909.966	1661.4	µg/kg	55	42-139	2	0 - 28	Q49259
4-Bromophenylphenylether	1431.89	1661.4	µg/kg	86	42-115	2	0 - 23	Q49259
4-Chloro-3-methylphenol	1195.68	1661.4	µg/kg	72	31-113	7	0 - 32	Q49259
4-Chlorophenylphenylether	1307.97	1661.4	µg/kg	79	36-112	6	0 - 32	Q49259
4-Nitrophenol	1461.12	1661.4	µg/kg	88	17-150	1	0 - 32	Q49259
Acenaphthene	1179.73	1661.4	µg/kg	71	36-107	6	0 - 32	Q49259
Acenaphthylene	1181.06	1661.4	µg/kg	71	33-110	8	0 - 32	Q49259
Anthracene	1459.80	1661.4	µg/kg	88	48-120	1	0 - 25	Q49259
Benzo(a)anthracene	1452.15	1661.4	µg/kg	87	31-128	2	0 - 31	Q49259
Benzo(a)pyrene	1540.19	1661.4	µg/kg	93	50-123	2	0 - 23	Q49259
Benzo(b)fluoranthene	1711.29	1661.4	µg/kg	103	45-125	1	0 - 25	Q49259
Benzo(g,h,i)perylene	807.308	1661.4	µg/kg	49	38-124	1	0 - 25	Q49259
Benzo(k)fluoranthene	1777.74	1661.4	µg/kg	107	48-121	1	0 - 27	Q49259

Full Service Analytical & Environmental Solutions

NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735

Level II QC Report

4/19/10

N. C. Department of Transportation
Attn Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1

COC Group Number: G0410028
Date/Time Submitted: 3/31/10 14:30

Matrix Spike Duplicate

Sample ID:		Result	Spike Amount	Units	Recovery %		Recovery Ranges %	RPD %	RPD Range %	QC Batch ID
275466	Bis(2-chloroethoxy)methane	1092.35	1661.4	µg/kg	66		25-100	0	0 - 38	Q49259
	Bis(2-chloroethyl)ether	938.205	1661.4	µg/kg	56		17-101	1	0 - 38	Q49259
	Bis(2-chloroisopropyl)ether	1104.65	1661.4	µg/kg	66		20-96	3	0 - 36	Q49259
	Bis(2-ethylhexyl)phthalate	1821.26	1661.4	µg/kg	110		48-131	1	0 - 23	Q49259
	Butylbenzylphthalate	1775.41	1661.4	µg/kg	107		46-133	1	0 - 25	Q49259
	Chrysene	1468.43	1661.4	µg/kg	88		29-129	1	0 - 32	Q49259
	Di-n-butylphthalate	1620.93	1661.4	µg/kg	98		45-123	0	0 - 24	Q49259
	Di-n-octylphthalate	2530.89	1661.4	µg/kg	152	#	43-132	0	0 - 24	Q49259
	Dibenzo(a,h)anthracene	973.421	1661.4	µg/kg	59		34-130	3	0 - 25	Q49259
	Dibenzofuran	1228.23	1661.4	µg/kg	74		34-114	8	0 - 30	Q49259
	Diethylphthalate	1509.30	1661.4	µg/kg	91		39-121	1	0 - 23	Q49259
	Dimethylphthalate	1404.98	1661.4	µg/kg	85		41-114	4	0 - 27	Q49259
	Fluoranthene	1431.22	1661.4	µg/kg	86		47-121	0	0 - 23	Q49259
	Fluorene	1340.86	1661.4	µg/kg	81		38-117	4	0 - 30	Q49259
	Hexachlorobenzene	1341.52	1661.4	µg/kg	81		44-119	2	0 - 24	Q49259
	Hexachlorobutadiene	873.089	1661.4	µg/kg	53		25-96	1	0 - 34	Q49259
	Hexachlorocyclopentadiene	545.514	1661.4	µg/kg	33		21-116	1	0 - 39	Q49259
	Hexachloroethane	922.923	1661.4	µg/kg	56		22-92	3	0 - 36	Q49259
	Indeno(1,2,3-cd)pyrene	1378.73	1661.4	µg/kg	83		34-131	2	0 - 28	Q49259
	Isophorone	1138.20	1661.4	µg/kg	69		25-108	8	0 - 38	Q49259
	N-Nitrosodi-n-propylamine	1089.03	1661.4	µg/kg	66		22-105	4	0 - 37	Q49259
	N-Nitrosodiphenylamine	1463.45	1661.4	µg/kg	88		43-127	4	0 - 24	Q49259
	Naphthalene	1024.91	1661.4	µg/kg	62		25-101	1	0 - 38	Q49259
	Nitrobenzene	1035.54	1661.4	µg/kg	62		23-100	2	0 - 37	Q49259
	Pentachlorophenol	1195.34	1661.4	µg/kg	72		39-137	0	0 - 27	Q49259
	Phenanthrene	1464.11	1661.4	µg/kg	88		47-121	1	0 - 23	Q49259
	Phenol	1016.94	1661.4	µg/kg	61		23-97	1	0 - 42	Q49259
	Pyrene	1464.11	1661.4	µg/kg	88		45-133	2	0 - 27	Q49259

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

Full Service Analytical & Environmental Solutions

NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735

Level II QC Report

4/19/10

N. C. Department of Transportation
Attn Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1

COC Group Number: G0410028
Date/Time Submitted: 3/31/10 14:30

Metals by ICP, method 6010B

Method Blank	Result		RL	Control Limit	Units	QC Batch ID
Arsenic	-0.01		0.5	<0.25	mg/kg	Q49277
Barium	1.4049	#	0.5	<0.25	mg/kg	Q49277
Cadmium	0.0005		0.25	<0.125	mg/kg	Q49277
Chromium	0.0596		0.25	<0.125	mg/kg	Q49277
Lead	0.07		0.25	<0.125	mg/kg	Q49277
Selenium	0.074		0.5	<0.25	mg/kg	Q49277
Silver	-0.0021		0.25	<0.125	mg/kg	Q49277

Laboratory Control Sample	Result	Spike Amount	Units	Recovery %		Recovery Ranges %	QC Batch ID
Arsenic	24.1306	25	mg/kg	97		80-120	Q49277
Barium	25.434	25	mg/kg	102		80-120	Q49277
Cadmium	24.1839	25	mg/kg	97		80-120	Q49277
Chromium	24.8344	25	mg/kg	99		80-120	Q49277
Lead	24.0297	25	mg/kg	96		80-120	Q49277
Selenium	23.7693	25	mg/kg	95		80-120	Q49277
Silver	23.9171	25	mg/kg	96		80-120	Q49277

Matrix Spike Sample ID:	Result	Spike Amount	Units	Recovery %		Recovery Ranges %	QC Batch ID
275456 Arsenic	23.097	24.875	mg/kg	77		75-125	Q49277
Barium	156	25	mg/kg	76		75-125	Q49277
Cadmium	20.2282	24.875	mg/kg	72	#	75-125	Q49277
Chromium	41.2579	24.875	mg/kg	59	#	75-125	Q49277
Lead	471	25	mg/kg	32	#	75-125	Q49277
Selenium	25.2	25	mg/kg	97		75-125	Q49277
Silver	20.799	24.875	mg/kg	87		75-125	Q49277

Matrix Spike Duplicate Sample ID:	Result	Spike Amount	Units	Recovery %		Recovery Ranges %	RPD %	RPD Range %	QC Batch ID
275456 Arsenic	23.2116	24.630	mg/kg	79		75-125	0	0 - 20	Q49277
Barium	161	25	mg/kg	96		75-125	3	0 - 20	Q49277
Cadmium	19.9773	24.630	mg/kg	71	#	75-125	1	0 - 20	Q49277
Chromium	43.2972	24.630	mg/kg	68	#	75-125	5	0 - 20	Q49277
Lead	438	25	mg/kg	-100	#	75-125	7	0 - 20	Q49277
Selenium	25	25	mg/kg	96		75-125	1	0 - 20	Q49277
Silver	20.598	24.630	mg/kg	87		75-125	1	0 - 20	Q49277

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Full Service Analytical & Environmental Solutions

NC Certification No. 402
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NC Drinking Water Cert. No. 37735

Level II QC Report

4/19/10

N. C. Department of Transportation
Attn Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1

COC Group Number: G0410028
Date/Time Submitted: 3/31/10 14:30

Diesel Range Organics (DRO) by GC-FID, method 8015B

Method Blank	Result	RL	Control Limit	Units	QC Batch ID
Diesel Range Organics (DRO)	ND	7	<3.5	mg/kg	Q49287

Laboratory Control Sample	Result	Spike Amount	Units	Recovery %	Recovery Ranges %	QC Batch ID
Diesel Range Organics (DRO)	57.3	80	mg/kg	72	55-109	Q49287

Matrix Spike Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Ranges %	QC Batch ID
275461 Diesel Range Organics (DRO)	60.4	80	mg/kg	76	50-117	Q49287

Matrix Spike Duplicate Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Ranges %	RPD %	RPD Range %	QC Batch ID
275461 Diesel Range Organics (DRO)	55.8	80	mg/kg	70	50-117	8	0 - 24	Q49287

Gasoline Range Organics (GRO) by GC-FID, method 8015B

Method Blank	Result	RL	Control Limit	Units	QC Batch ID
Gasoline Range Organics (GRO)	ND	5	<2.5	mg/kg	Q49290

Laboratory Control Sample	Result	Spike Amount	Units	Recovery %	Recovery Ranges %	QC Batch ID
Gasoline Range Organics (GRO)	51.10	50	mg/kg	102	67-116	Q49290

Matrix Spike Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Ranges %	QC Batch ID
275480 Gasoline Range Organics (GRO)	45.75	50	mg/kg	92	57-113	Q49290

Matrix Spike Duplicate Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Ranges %	RPD %	RPD Range %	QC Batch ID
275480 Gasoline Range Organics (GRO)	45.20	50	mg/kg	90	57-113	1	0 - 23	Q49290

Full Service Analytical & Environmental Solutions

NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735

Level II QC Report

4/19/10

N. C. Department of Transportation
Attn Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1

COC Group Number: G0410028
Date/Time Submitted: 3/31/10 14:30

Gasoline Range Organics (GRO) by GC-FID, method 8015B

Method Blank	Result	RL	Control Limit	Units					QC Batch ID
Gasoline Range Organics (GRO)	ND	5	<2.5	mg/kg					Q49295

Laboratory Control Sample	Result	Spike Amount	Units	Recovery %	Recovery Ranges %			QC Batch ID
Gasoline Range Organics (GRO)	50.20	50	mg/kg	100	67-116			Q49295

Matrix Spike Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Ranges %			QC Batch ID
275461 Gasoline Range Organics (GRO)	41.90	50	mg/kg	84	57-113			Q49295

Matrix Spike Duplicate Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Ranges %	RPD %	RPD Range %	QC Batch ID
275461 Gasoline Range Organics (GRO)	44.10	50	mg/kg	88	57-113	5	0 - 23	Q49295

Diesel Range Organics (DRO) by GC-FID, method 8015B

Method Blank	Result	RL	Control Limit	Units					QC Batch ID
Diesel Range Organics (DRO)	ND	7	<3.5	mg/kg					Q49322

Laboratory Control Sample	Result	Spike Amount	Units	Recovery %	Recovery Ranges %			QC Batch ID
Diesel Range Organics (DRO)	65.6	80	mg/kg	82	55-109			Q49322

Matrix Spike Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Ranges %			QC Batch ID
275538 Diesel Range Organics (DRO)	67.5	80	mg/kg	84	50-117			Q49322

Matrix Spike Duplicate Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Ranges %	RPD %	RPD Range %	QC Batch ID
275538 Diesel Range Organics (DRO)	55.8	80	mg/kg	70	50-117	19	0 - 24	Q49322

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

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NC Certification No. 402
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Level II QC Report

4/19/10

N. C. Department of Transportation
Attn Jodi Overmyer
c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Project Name: U-2826-B
Project ID: NCDOT Forsyth Co. PSA-Parcel 2
Project No.: WBS# 34871.2.1

COC Group Number: G0410028
Date/Time Submitted: 3/31/10 14:30

Mercury by CVAA, method 7471A

Method Blank	Result	RL	Control Limit	Units	QC Batch ID
Mercury	0.00534	0.02	<0.01	mg/kg	Q49336

Laboratory Control Sample	Result	Spike Amount	Units	Recovery %	Recovery Ranges %	QC Batch ID
Mercury	0.41037	0.417	mg/kg	98	80-120	Q49336

Matrix Spike Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Ranges %	QC Batch ID
276160 Mercury	0.38922	0.3985	mg/kg	96	80-120	Q49336

Matrix Spike Duplicate Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Ranges %	RPD %	RPD Range %	QC Batch ID
276160 Mercury	0.40538	0.4047	mg/kg	99	80-120	4	0 - 20	Q49336

#-See Case Narrative

CHAIN OF CUSTODY RECORD

PRISM LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

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

PAGE 1 OF 2 QUOTE # TO ENSURE PROPER BILLING:

Project Name: Fuquay, CO. RSA

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

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

Invoice To: NCDOT WBS 34871.2.1

Address: State Project U-2826-B

Client Company Name: Solutions-IES

Report To/Contact Name: Jody overmyer

Reporting Address: 1101 Wowell Rd
Raleigh NC 27607

Phone: 919-873-1060 Fax (Yes) (No):

Email (Yes) (No) Email Address jovermyer@solutions-ies.com

EDD Type: X PDF X Excel ___ Other

Site Location Name: Parcel 2 (PZ)

Site Location Physical Address: Winston Salem, NC

Purchase Order No./Billing Reference

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

"Working Days" ☐ 6-9 Days X Standard 10 days

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

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

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

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE? Temp 4.1	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?			✓
PROPER CONTAINERS used?	✓		

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NELAC ___ USACE ___ FL ___ NC X
SC ___ OTHER ___ N/A ___

Water Chlorinated: YES ___ NO ___

Sample Iced Upon Collection: YES X NO ___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	SAMPLE CONTAINER NO.	SAMPLE CONTAINER SIZE	PRESERVATIVES	ANALYSES REQUESTED: GRO 5030	DRO 3545	VOC 8260	SVOC 8270	RCRA metals*	REMARKS	PRISM LAB ID NO.
PZ-1-2-4	3/30/10	826	Soil	GL	8		none/methanol/$NaHSO_4$	X	X	X	X	X	*metals; As, Ba, Cd,	275456
PZ-2-2-4		846											Cr, Pb, Hg, Se, Ag	275457
PZ-3-2-4		920												275458
PZ-4-2-4		949												275459
PZ-5-0-2		1020												275460
PZ-6-6-8		1025												275461
PZ-7-6-8		1055												275462
PZ-8-6-8		1120												275463
PZ-9-6-8		1140												275464
PZ-10-6-8		1218												275465

Sampler's Signature Brad Elkins Sampled By (Print Name) BRAD ELKINS Affiliation Solutions-IES

PRESS DOWN FIRMLY - 3 COPIES

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

		Date	Military/Hours
Relinquished By: (Signature) Jody Overmyer	Received By: (Signature) Dan Mann	3-31-10	1235
Relinquished By: (Signature) Dan Mann 3-31-10 1430	Received By: (Signature)	Date	
Relinquished By: (Signature)	Received For Prism Laboratories By:	Date 3/31/10	1430

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

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

Log-In Group No. G0410028

Additional Comments:

PRISM USE ONLY

Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

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

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

SEE REVERSE FOR TERMS & CONDITIONS

ORIGINAL

CHAIN OF CUSTODY RECORD

PRISM LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

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

PAGE 2 OF 2 QUOTE # TO ENSURE PROPER BILLING: _____

Project Name: Forsyth Co. PFA

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

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

Invoice To: NCDOT UBS 34871.2.1

Address: State project U-2826-B

Client Company Name: Solutions IES

Report To/Contact Name: Jody Overmyer

Reporting Address: 1101 Nowell Rd
Raleigh NC 27607

Phone: 919-873-1060 Fax (Yes) (No): _____

Email (Yes) (No) Email Address jovermyer@solutions-ies.com

EDD Type: X PDF X Excel ___ Other

Site Location Name: Parcel 2 (PZ) / Moore Auto

Site Location Physical Address: _____

Purchase Order No./Billing Reference _____

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

"Working Days" ☐ 6-9 Days ☑ Standard 10 days

Samples received after 15:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE? Temp 4.1	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		✓
PROPER CONTAINERS used?	✓		

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NELAC ___ USACE ___ FL ___ NC X
SC ___ OTHER ___ N/A ___

Water Chlorinated: YES ___ NO ___

Sample Iced Upon Collection: YES X NO ___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSES REQUESTED GRO 5030	DRO 3545	VOC 8260	SVOC 8270	RCRA metals*		REMARKS	PRISM LAB ID NO.
PZ-11-6-8	3/30/10	1240	Soil	GL	8		none/methanol/sod. bisulfate	X	X	X	X	X		* metals; As, Ba, Cd	275466
PZ-12-6-8	3/30/10	1315	↓	↓	↓			X	X	X	X	X		Cr, Pb, Hg, Se, Ag	275467
M-1-6-8	3/30/10	1430	Soil	GL	3		none/methanol	X	X						275468
M-2-6-8		1450													275469
M-3-6-8		1515													275470
M-4-6-8		1530													275471
M-5-6-8	↓	1550	↓	↓	↓			↓	↓						275472

Sampler's Signature _____ Sampled By (Print Name) BRAD EIKENS Affiliation Solutions-IES

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

Relinquished By: (Signature)	Received By: (Signature)	Date	Military/Hours
		3-31-10	1235
Relinquished By: (Signature) 3-31-10 1430	Received By: (Signature)	Date	
Relinquished By: (Signature)	Received For Prism Laboratories By:	Date 3/31/10	1430

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

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

Log-In Group No. G0410028

Additional Comments:

PRISM USE ONLY

Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

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

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

SEE REVERSE FOR TERMS & CONDITIONS

ORIGINAL