

Initial Abatement Action Report

6 Initial Abatement Action Report

In addition to reporting initial response and abatement actions and assessment actions and presenting initial site characterization, this newly-created Initial Abatement Action Report must fulfill the requirements, when a release has been discovered, for the following individual reports:

- x Site Check Report (Section C) **Section 3.0**
- x UST Closure Report (UST-12) with UST-2 Form (Section D) **Section 4.0**
- x Post-Excavation Soil Contamination Assessment Report (Section H) **Section 8.0**
- x Free Product Recovery Report (Section E) **Section 5.0**

Check the applicable report(s). Complete Sections A-L, as required, including the sections specifically designated for the reports you have indicated. The Initial Abatement Action Report must be submitted to the appropriate regional office within 90 days following discovery of release.

A. Site Information

1. Site Identification

- Date of Report: April 30, 2008
- Facility I.D.: 3262 UST Incident Number (if known): N/A
- Site Name: NCDOT Parcel 68 – James Pugh Property
- Site Street Address: US Hwy 1 and Special Forces Way
- City/Town: Hoffman Zip Code: 28347 County: Richmond
- Description of Geographical Data Point (e.g., diesel fill port): Underground Storage Tank
- Location Method (GPS, topographical map, other): GPS
- Latitude (decimal degrees): 35.057 Longitude (decimal degrees): 79.499

2. Information about Contacts Associated with the Leaking UST System (Addresses must include street, city, state, zip code and mailing address, if different).

- UST Owner: Unknown
- Address: _____ Tel Unknown: _____
- UST Operator: Unknown
- Address: _____ Tel: Unknown
- Property Owner: NCDOT by Permanent Easement
- Address: US Hwy 1 and Special Forces Way Tel: _____
- Property Occupant: None
- Address: _____ Tel: _____
- Consultant/Contractor: Solutions-IES, Inc.,
- Address: 1101 Nowell Road, Raleigh, NC 27607 Tel: (919) 873-1060
- Analytical Laboratory: Prism Laboratories, Inc. State Certification No. 37735
- Address: 449 Springbrook Road, Charlotte, NC 28224 Tel: (800) 529-6364

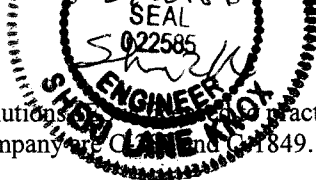
3. Information about Release

- Date Discovered: UST Closure 03/19/08
- Estimated Quantity of Release: Unknown
- Cause of Release: Unknown
- Source of Release (Dispenser/Piping/UST): Unknown
- Sizes and contents of UST system(s) from which the release occurred: 2 - 550 gallon gasoline

4. Certification (*The title page must display the seal and signature of the certifying P.E. or L.G. and the name and certification number of the company or corporation, if applicable [See 15A NCAC 2L .0103(e)].*)

I, Sherik, Professional Engineer/Licensed Geologist (circle one) for Solutions-IES, do certify that the information contained in this report is correct and accurate to the best of my knowledge.

(Please Affix Seal and Signature)



Solutions-IES practices geology and engineering in North Carolina. The certification numbers of the company are CE 1849.

**INITIAL ABATEMENT ACTION REPORT
NCDOT PARCEL 68 – JAMES PUGH PROPERTY
US HWY 1 & SPECIAL FORCES WAY
HOFFMAN, RICHMOND COUNTY
NORTH CAROLINA 28347
WBS ELEMENT: 34438.1.1
STATE PROJECT: R-2502B**

Prepared for:

**NC Department of Transportation
Geotechnical Unit
1589 Mail Service Center
Raleigh, NC 27699-1589**

Prepared by

**Solutions-IES, Inc.
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Solutions-IES Project No. 6000.08A2.NDOT

May 5, 2008



Jessica L. Dehart
Project Hydrogeologist



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1.0 INTRODUCTION

The North Carolina Department of Transportation (NCDOT) is widening the existing alignment of US Highway 1 near the towns of Marston and Hoffman, located in Richmond County, North Carolina. Solutions-IES, Inc. (Solutions-IES) was retained by NCDOT to remove petroleum impacted soil identified during a preliminary site assessment (PSA) conducted at the James Pugh property, NCDOT parcel 68 (Site), located at US Highway 1 and Special Forces Way in Hoffman, Richmond County, North Carolina (**Figure 1**). This scope of work was initiated based on a Notice to Proceed issued by the NCDOT Geotechnical Engineering Unit dated February 22, 2008 under contract 7000008011, dated May 31, 2007. During excavation activities, two underground storage tanks (USTs) were uncovered. The USTs on the Site are located within the proposed right-of-way and had to be removed prior to road construction. This Initial Action Abatement Report (IAAR) documents the UST closure activities and has been prepared according to the July 2007 *Underground Storage Tank Section Guidelines For Site Checks, Tank Closure, and Initial Response and Abatement (Guidelines)* published by the UST Section, North Carolina Department of Environment and Natural Resources (NCDENR) Division of Waste Management. Tables and figures have been numbered in general accordance with the system outlined in the *Guidelines*.

2.0 SITE HISTORY AND CHARACTERIZATION

The Site is located on the north side of US Highway 1, approximately 500 feet west of the Special Forces Way intersection in Hoffman, Richmond County, North Carolina. The background information available for this Site stated that a former dispenser island was present at the Site approximately 15 feet north of US Highway 1.

In August 2006, Solutions-IES conducted a PSA¹ of Parcel 68. A geophysical survey was conducted during this assessment did not identify buried metallic tanks at this Site. Soil sampling was conducted to determine if impacted soil existed at this Site. Based on the detected of total petroleum hydrocarbon (TPH) concentrations greater than the *Guidelines* screening level of 10 mg/kg TPH diesel range organics (DRO) and TPH gasoline range organics (GRO), Solutions-IES identified an area of impacted soil approximately (30 feet by 50 feet) centered on the location of the former dispenser island.

¹ Solutions-IES, Inc. "Preliminary Site Assessment, Parcel #68, James Pugh property, US Highway 1 and Special Forces Way, Richmond County, North Carolina, WBS Element: 34438.1.1; NCDOT Project: R-2502B", September 28, 2006.

2.1 UST OWNER AND OPERATOR INFORMATION

Table B-2 provides known tank owner and operator information.

2.2 UST INFORMATION

During excavation activities, two inactive USTs were uncovered beneath the location of the former dispenser island. **Table B-1** summarizes the available details of each UST and **Figure 2** shows the UST area. Both tanks were steel, single-walled construction that previously contained gasoline. They were located at a depth of about 2 feet below ground surface (ft bgs). The nominal capacity of each UST was 550 gallons with dimensions of approximately 4 ft by 6 ft. There were no product lines associated with either of these tanks.

2.3 NON-UST INFORMATION

No aboveground storage tanks were identified at the Site.

2.4 RELEASE DESCRIPTION

According to the November 2007 version of the Regional UST (RUST) database, no release has been reported at this Site. However, petroleum impacts were identified in surface soils at the Site during a PSA conducted by Solutions-IES in August 2006.

Results of the UST closure activities conducted during March 2008 as documented in this IAAR confirmed petroleum impacts from the USTs at this Site. Soil samples collected during the closure activities contained TPH DRO or TPH GRO concentrations greater than the screening level of 10 mg/kg specified in the *Guidelines*. Analytical results are discussed in **Section 4.5**.

2.5 SITE CHARACTERISTICS

The surface of the Site was densely covered with thick vegetation but the area around the former dispenser island had been cleared by Solutions-IES prior to the previous PSA activities. The outline of a former dispenser island was observed north of the existing shoulder of US Highway 1. Based upon the existence of the former dispenser island, the Site is presumed to have operated as a gas station in the past. Photographs of the UST removal activities are presented in **Appendix E**.

A description of the surrounding property is as follows:

- North – undeveloped
- South – undeveloped
- East – undeveloped
- West – undeveloped

2.6 HISTORICAL REGULATORY ACTIVITY SUMMARY

According to the NCDENR RUST Database, there is no UST incident number associated with this Site and no record of historical releases. No other regulatory information is available for this Site.

3.0 SITE CHECK REPORT

A site check summarizes the operating condition of the USTs in question if they remain in service. The fuel USTs were closed by removal, therefore site check requirements are not applicable.

4.0 UST CLOSURE REPORT

4.1 PREPARATION FOR UST CLOSURE

A UST-3, “Notice of Intent: UST Permanent Closure or Change-in-Service” form was not submitted to the NCDENR or the Fayetteville Regional Office as no USTs were anticipated at the Site. A site-specific Health and Safety Plan was prepared prior to the initiation of the field work and is included as **Appendix B**.

Utilities were located by One-Call and KCI Associates of North Carolina prior to initiation of field activities. The soil and tank removal contractor, Soil Solutions, Inc. (SSI), did not obtain a permit from the County Fire Marshal prior to mobilizing to site but did obtain one after tank discovery.

4.2 CLOSURE PROCEDURES

SSI of Winston-Salem, NC, was contracted by Solutions-IES to conduct excavation and disposal activities. On March 18, 2008, Solutions-IES and SSI mobilized to the site to initiate excavation of impacted soils. The PSA geophysical survey had indicated that the proposed right-of-way did not contain metallic USTs. However, two USTs were discovered during excavation activities. The USTs were uncovered and dry ice was used to purge the USTs of potentially explosive vapors until the Lower Explosive Limit (LEL) and oxygen content (O₂) were confirmed to be suitable prior to removal.

Both USTs were uncovered and removed using a backhoe. One soil closure sample was collected from beneath each UST, and one closure sample was collected from beneath the former dispenser island. **Figure 3** shows the closure sample locations.

Both of the USTs appeared rusted and damaged. Tank 2 appeared to have been crushed. The tanks were cleaned and disposed of by SSI at an off-site location. Photographs of the UST conditions and removal activities are provided in **Appendix E**. The Tanks Disposal Certificate is provided in **Appendix C**.

4.3 RESIDUAL MATERIAL REMOVED

Both of the USTs were empty, so no residual material was removed.

4.4 INITIAL RESPONSE ACTIONS

The UST-2 form, "Site Investigation Report for Permanent Closure or Change-in-Service of UST" was submitted to the NCDENR Central Office as well as the Fayetteville Regional Office on March 28, 2008. Due to elevated concentrations identified from laboratory analysis of closure samples, a "24 Hour Release and UST Leak Reporting Form" (UST-61) was submitted to the Fayetteville Regional Office on April 15, 2008. Copies of these forms are included in **Appendix A**.

4.5 CLOSURE INVESTIGATIONS

4.5.1 Field Screening of Soils

Soils were screened in the field using a Photovac Microfid flame ionization detector (FID). The FID was calibrated at the start of the workday using 100-parts per million (ppm) methane calibration gas; the calibration of the instrument was re-checked periodically over the course of the day. Soil samples collected for field screening were placed in re-sealable plastic bags, and labeled with information identifying the sample name and/or location. Each sample was initially agitated to break up the soil. The bags were sealed and time was allowed for volatile organic compounds (VOCs) trapped within the sample to volatilize into the headspace of the bag. After approximately 20 minutes, the probe of the FID was inserted into the headspace of the bag and the concentration of VOCs or volatile vapors present in the headspace was read in ppm on the FID display and recorded in the field log book. The FID readings of the samples submitted for laboratory analysis are summarized in **Table B-3A**.

4.5.2 Closure Soil Sampling

Closure soil samples were collected in accordance with Section 5.3 of the Guidelines. Based on the size of the tanks, one sample was collected from beneath each UST. Soil samples were collected from beneath the center of each tank pit using a trackhoe bucket to access soil at a depth of 5 ft bgs. The dispenser sample was collected directly beneath the mid-point of the former dispenser. Soil samples were collected as grab samples and screened with the FID as described in **Section 4.5.1**.

The closure samples were then transferred to laboratory-supplied glassware. The containers were labeled with the sample location information, date, time of collection, requested analyses, and were placed on ice in an insulated cooler for delivery to Prism Laboratories, Inc. (Prism Labs) in Charlotte, NC. Samples were delivered under chain-of-custody procedures by laboratory courier on March 21, 2008.

4.5.3 Groundwater and Surface Water Samples

Groundwater was not encountered during tank closure activities and groundwater sampling was not included in this scope of work. No surface water features were identified at the Site.

4.5.4 Quality Control Measures

All non-disposable sampling equipment was decontaminated by rinsing with potable water, washing with a liquinox®/water solution and scrub brush, rinsing with potable water, rinsing with deionized water, and letting air dry. NCDOT does not routinely specify collection of additional field QC samples (e.g., blind duplicate, matrix and matrix spike, equipment rinse, field, and trip blank) for tank closure activities. Samples submitted for laboratory analysis were collected using NCDENR-approved methods using new pre-preserved laboratory-supplied containers as required by the analytical method. The containers were labeled with the sample location information, including date, time of collection, and requested analyses. The filled containers were preserved on ice, and handled under chain-of-custody procedures. The samples were delivered to Prism Labs via same day courier for analysis. Prism Labs is approved by North Carolina (NC Certification Number 402) for analyses required for UST closure and corrective action. Laboratory QC results are included with the analytical results in **Appendix D**.

4.5.5 Sample Results

Closure samples were analyzed for low boiling point fuels identified as TPH GRO with EPA Method 5030/Modified 8015 (California Method) and for high boiling point fuels identified as TPH DRO with EPA Method 3545/Modified 8015 (California Method). The laboratory analytical results for the soil samples are summarized in **Table B-3B**. Copies of the laboratory analytical reports are provided in **Appendix D**.

The sample collected from beneath the former dispenser island did not contain concentrations of TPH DRO or GRO above the laboratory reporting limits. Sample 68-T1-1 collected from beneath the mid-point of tank 1 contained TPH DRO and GRO concentrations of 70 mg/kg and 1,000 mg/kg, respectively. The sample collected from beneath the mid-point of tank 2 (68-T2-1) contained TPH DRO and GRO concentrations of 220 mg/kg and 720 mg/kg, respectively.

5.0 FREE PRODUCT INVESTIGATION AND RECOVERY REPORT

Free product was not encountered during field activities.

6.0 GROUNDWATER AND SURFACE WATER INVESTIGATION

No groundwater or surface water samples were collected during closure of the USTs at the Site. Therefore, **Table B-4** “Summary of Groundwater and Surface Water Results” is not included in this report.

7.0 INITIAL RESPONSE AND ABATEMENT ACTION

As stated in **Section 4.4**, a UST-2 form, “Site Investigation Report for Permanent Closure or Change-in-Service of UST” was submitted to the NCDENR Central Office as well as the Fayetteville Regional Office on March 28, 2008. Due to concentrations in excess of the screening levels defined in the *Guidelines*, a UST-61 form “24-Hour Release and Report Form” was submitted to the UST Section regional office on April 15, 2008. Copies of both forms are included in **Appendix A**.

8.0 EXCAVATION OF CONTAMINATED SOIL

8.1 SOURCE AND EXTENT OF IMPACTED SOIL

After completing closure activities, additional excavation was performed in the vicinity of the USTs based upon elevated FID readings and strong petroleum odors in the tank pit. SSI excavated petroleum-impacted soil and transported the material for disposal. The approximate lateral extent of the excavation is shown in **Figure 4**. The vertical extent of the excavation extended to the groundwater table, or approximately 14 ft bgs.

8.2 EXCAVATION PROCESS

SSI used a trackhoe to excavate the petroleum-impacted soil from around the USTs. The excavation had four sidewalls as shown in **Figure 4** and a depth of approximately 14 ft. Contaminated soil was hauled from the site for disposal by SSI. Lateral excavation limits were based on FID readings, visual inspection of the soil, and site constraints; the vertical excavation limit was bounded by the presence of groundwater which was encountered during excavation activities. Approximately 870 tons of soil were excavated and disposed of by SSI. The Certificate of Disposal and waste manifests for the excavated soils are provided in **Appendix C**.

Complete excavation of petroleum-impacted soil was not possible due to site constraints. Excavation along the south side of the pit was limited to the edge of the shoulder of US Highway 1 so as not to affect the integrity of the existing roadway. Excavation continued in a northerly, easterly and westerly direction to the limits of probable impact. Confirmation soil samples were collected along each side of the excavation at approximately 15 to 20 foot intervals. The pit was then backfilled with soil provided by SSI from an off-site source to the land surface.

8.3 POST-EXCAVATION CONFIRMATION SAMPLING

Figure 4 shows the estimated extent of excavation and the location of the ten confirmation samples that were collected in March 2008. The samples were collected along the sidewalls at an interval of approximately 20 ft and a depth of approximately 8 ft bgs. Confirmation samples were screened with an FID as discussed in **Section 4.5.1**. The FID readings for the confirmation samples are summarized in **Table-3A**.

The confirmation samples were collected from the trackhoe bucket and then transferred to laboratory-supplied sample containers. The containers were labeled with the sample location information, including date, time of collection, and requested analyses. The filled containers were placed on ice pending delivery to Prism Labs. Samples were delivered under chain-of-custody procedures by laboratory courier on March 21, 2008. Confirmation samples were analyzed for VOCs, isopropyl ether, and methyl-tert-butyl ether by EPA Method 8260B/5035, semi-volatile organic compounds (SVOCs) by EPA Method 8270C, and petroleum hydrocarbons by the Massachusetts Department of Environmental Protection (MADEP) EPH and MADEP VPH methods.

8.4 CONFIRMATION SAMPLE RESULTS

Laboratory analytical results for the confirmation samples are provided in **Table B-3B**. Laboratory analytical reports are provided in **Appendix D**. Soil samples collected from the south side of the excavation pit (S1, S2, and S3) contained concentrations of VOCs, SVOCs, and MADEP petroleum fractions above the NCDENR Soil-to-Groundwater Maximum Soil Contaminant Concentrations (MSCCs) provided in the *Guidelines*. Aside from low concentrations (below the MSCC) of acetone in 68-W1 and 68-W2, no other VOCs, SVOCs, or MADEP fractions were detected in the confirmation samples.

9.0 CONCLUSIONS

Two inactive USTs located at the James Pugh property, NCDOT Parcel 68, were closed by removal on March 19, 2008. Solutions-IES personnel collected closure samples from beneath a former dispenser island and the two USTs to determine whether a release had occurred and to document permanent closure of the USTs. Elevated volatile vapors were detected by an FID during field screening of the soil samples and strong petroleum odors were present in the tank pit. Additional soil was excavated from around the tank pit to remove further potential impacts. Confirmation soil samples were collected from the sides of the excavation pit to confirm that impacted soil had been removed. Excavation was limited to the south of the tank pit due to the close proximity to the shoulder of Highway 1. Soil samples collected from the north, east and west sides of the excavation pit did not contain contaminants indicative of petroleum constituents suggesting that impacted soil has been removed in these directions. Soil samples collected from the south side of the excavation pit contained hydrocarbon constituents indicative of petroleum impacts at concentrations greater than the MSCCs. Therefore, impacts to soil remain outside of the limits of excavation in this direction.

TABLES

TABLE B-1
SITE HISTORY - UST/AST SYSTEM INFORMATION
NCDOT Parcel 68 – James Pugh Property
US Hwy 1 and Special Forces Way
Hoffman, Richmond County, North Carolina
WBS Element: 34438.1.1; State Project#: R-2502B
Solutions-IES Project No. 6000.08A2.NDOT

Incident Number and Name: NA

| UST ID Number | Current/Last Contents * | Previous Contents * | Depth (ft bgs) | Capacity (in gallons) | Construction Details ** | Tank Dimensions | Description of Associated Piping and Pumps | Date Tank Installed | Status of UST *** | Was release associated with the UST System? |
|---------------|-------------------------|---------------------|----------------|-----------------------|--------------------------|-----------------|--|---------------------|-------------------------------|---|
| 1 | Gasoline | Unknown | 2' | 550 | Single walled steel tank | 3.7' x 7.1' | None | Unknown | Permanently Closed 3/19/08 | Yes |
| 2 | Gasoline | Unknown | 2' | 550 | Single walled steel tank | 3.7' x 7.1' | None | Unknown | Permanently Closed 3/19/08 | Yes |

Note: UST ID Numbers correspond to UST locations on Figures 3 and 4

* Gasoline (unleaded or leaded), diesel, used oil, waste oil, aviation fuel, etc., or pesticides, non-halogenated or halogenated solvents, etc.

** Fiberglass (single- or double-walled), steel (single- or double-walled), steel with FRP (single- or double-walled), steel with liner, other, unknown.

*** Currently operational, not in use or temporarily closed (specify date), permanently closed in place (specify date), permanently closed by removal (specify date).

TABLE B-2
SITE HISTORY – UST OWNER AND OPERATOR INFORMATION
NCDOT Parcel 68 – James Pugh Property
US Hwy 1 and Special Forces Way
Hoffman, Richmond County, North Carolina
WBS Element: 34438.1.1; State Project#: R-2502B
Solutions-IES Project No. 6000.08A2.NDOT

Incident Number and Name: NA

| | | | | | |
|--|----------------|-----------|--|--------------------|----------------|
| UST ID Number | Unknown | | | Facility ID Number | FA-3262 |
| Name of Owner | | | Dates of Operation | | |
| NCDOT by Permanent Easement | | | Unknown | | |
| Street Address | | | | | |
| US Hwy 1 and Special Forces Way | | | | | |
| City | | State | Zip | Telephone Number | |
| Hoffman | | NC | 28347 | Unknown | |
| Name of Operator | | | Dates of Operation (mm/dd/yy to mm/dd/yy) | | |
| Unknown | | | Unknown | | |
| Street Address | | | | | |
| US Hwy 1 and Special Forces Way | | | | | |
| City | | State | Zip | Telephone Number | |
| Hoffman | | NC | 28347 | Unknown | |

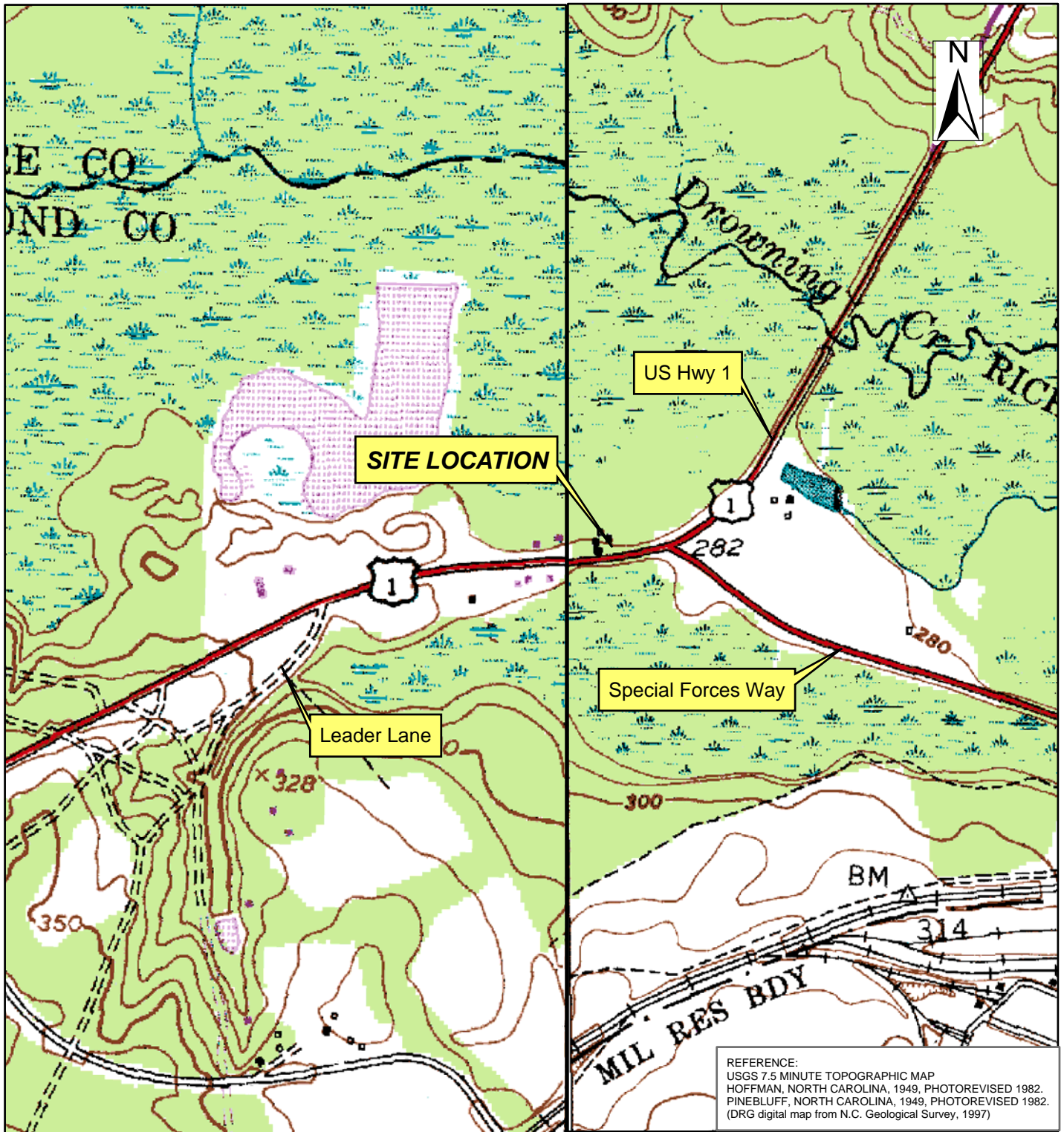
TABLE B-3A
SUMMARY OF FIELD SCREEN RESULTS
NCDOT Parcel 68 – James Pugh Property
US Hwy 1 and Special Forces Way
Hoffman, Richmond County, North Carolina
WBS Element: 34438.1.1; State Project#: R-2502B
Solutions-IES Project No. 6000.08A2.NDOT

Incident Number and Name: NA

| Sample ID | Depth (ft bgs) | Location | Sample Type | FID Reading (ppm) |
|-----------|----------------|-----------------------------|-------------|-------------------|
| 68-E1 | 8 | Northeast end of excavation | Soil | ND |
| 68-E2 | 8 | Southeast end of excavation | Soil | ND |
| 68-N1 | 8 | Northwest end of excavation | Soil | ND |
| 68-N2 | 8 | North end of excavation | Soil | ND |
| 68-N3 | 8 | Northeast end of excavation | Soil | ND |
| 68-S1 | 8 | Southwest end of excavation | Soil | 51.1 |
| 68-S2 | 8 | South end of excavation | Soil | 128.0 |
| 68-S3 | 8 | Southeast end of excavation | Soil | 77.1 |
| 68-W1 | 8 | Northwest end of excavation | Soil | ND |
| 68-W2 | 8 | Southwest end of excavation | Soil | ND |
| 68-DISP-1 | 1 | Dispenser | Soil | ND |
| 68-T1-1 | 5 | Tank pit 1 – center of tank | Soil | 652 |
| 68-T2-1 | 5 | Tank pit 2 – center of tank | Soil | 811 |

ND = Not detected

FIGURES



1:10,000

SITE LOCATION MAP
 PARCEL 68
 JAMES PUGH PROPERTY
 RICHMOND COUNTY, NORTH CAROLINA
 STATE PROJECT NO. R-2502 B, WBS ELEMENT# 34438.1.1



| | |
|---|-------------------------|
| 1101 Nowell Road, Raleigh, NC 27609 Phone (919) 873-1060, Fax (919) 873-1074 | |
| Created by: JD | Project: 6000.08A2.NDOT |
| Checked by: SK | Date: APRIL 2008 |
| File: Figure 1.mxd | |
| Software: ESRI ArcMap 9.1 | FIGURE 1 |

PROJECT NUMBER
6000.08AZ.NDOT

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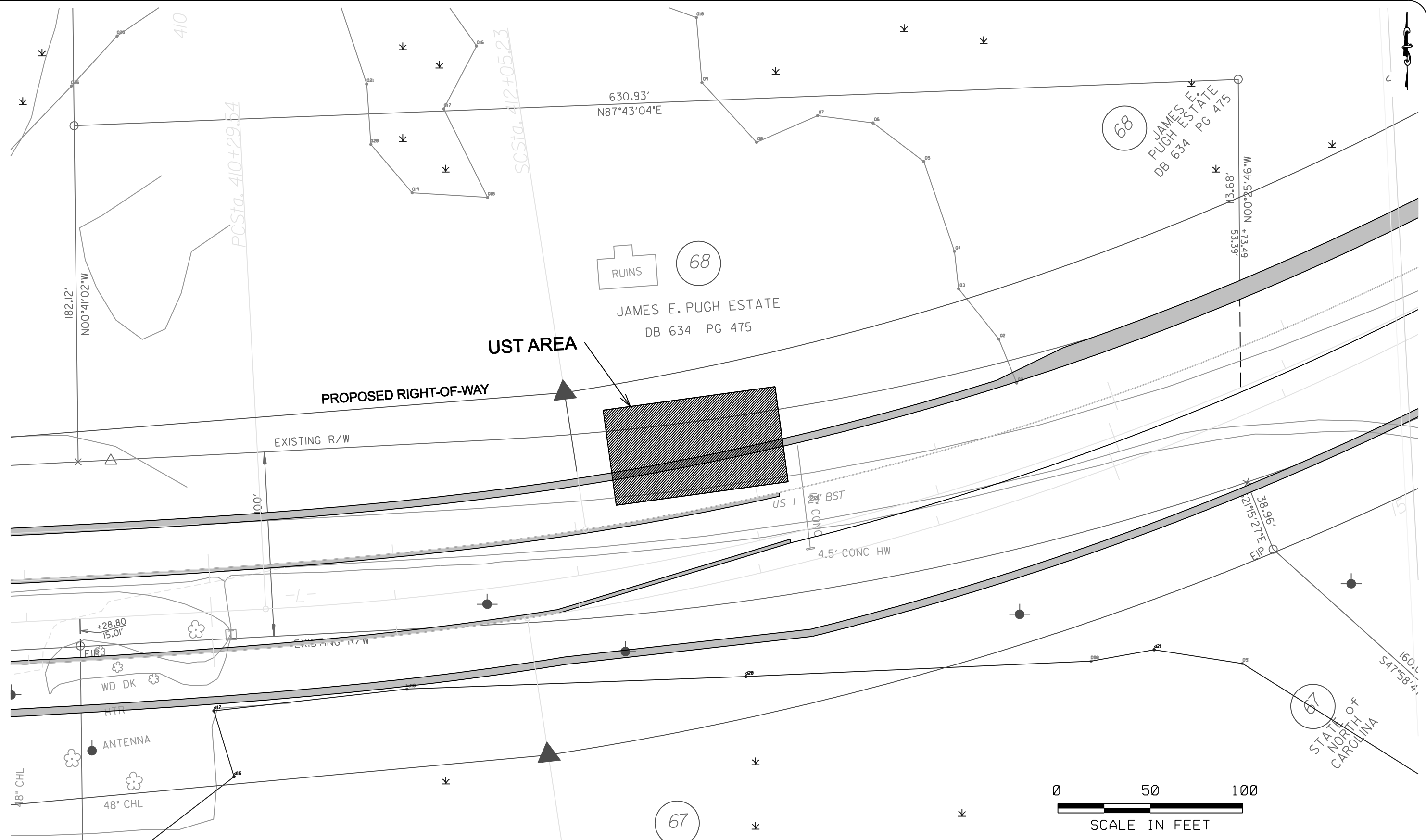
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JD

PROJECT MANAGER
SK

DATE
APRIL 2008

FILE
Figure2.dgn

FILE



PROJECT NUMBER
6000.08AZ.NDOT

DRAFTER
JC

CHECKED BY
JD

PROJECT MANAGER
SK

DATE
APRIL 2008

FILE
Figure3.dgn

FILE

RUINS

68

JAMES E. PUGH ESTATE
DB 634 PG 475

PROPOSED RIGHT-OF-WAY

TANK 2

TANK 1

T2-1

T1-1

DISPENSER ISLAND

DISP-1

US 1 24' BST

CONC

0 20 40

SCALE IN FEET

Solutions-IES
Industrial & Environmental Services

1101 NOWELL ROAD
RALEIGH, NORTH CAROLINA 27607
TEL.: (919) 873-1060 FAX.: (919) 873-1074

NOTE:

1. BASEMAP PROVIDED BY NCDOT
2. LOCATIONS ARE APPROXIMATE

NCDOT PARCEL 68 JAMES PUGH
US HIGHWAY 1 AND SPECIAL FORCES WAY
HOFFMAN, RICHMOND COUNTY, NORTH CAROLINA
WBS ELEMENT: 34438.I.I
STATE PROJECT: R-2502B

CLOSURE SAMPLE LOCATIONS

FIGURE:

3

PROJECT NUMBER
6000.08AZ.NDOT

DRAFTER
JC

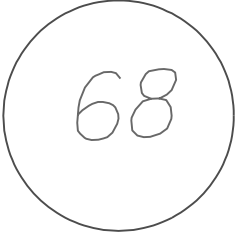
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JD

PROJECT MANAGER
SK

DATE
APRIL 2008

FILE
Figure4.dgn

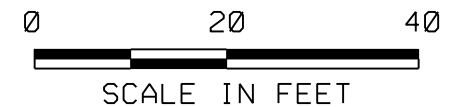
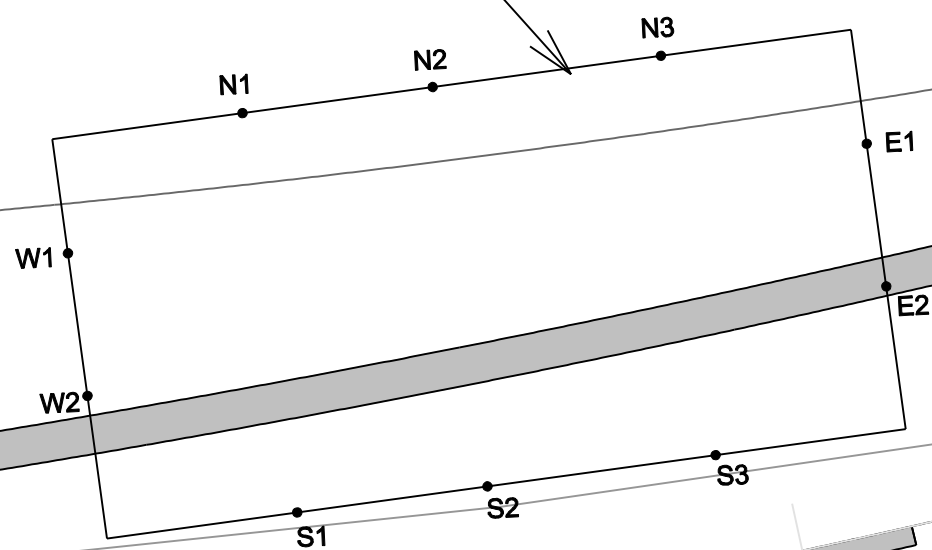
FILE



JAMES E. PUGH ESTATE
DB 634 PG 475

PROPOSED RIGHT-OF-WAY

LIMITS OF EXCAVATION



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

NOTE:
1. BASEMAP PROVIDED BY NCDOT
2. LOCATIONS ARE APPROXIMATE

NCDOT PARCEL 68 JAMES PUGH
US HIGHWAY 1 AND SPECIAL FORCES WAY
HOFFMAN, RICHMOND COUNTY, NORTH CAROLINA
WBS ELEMENT: 34438.1.I
STATE PROJECT: R-2502B

CONFIRMATION SAMPLE LOCATIONS

FIGURE:
4

APPENDIX A

**UST-2: “SITE INVESTIGATION REPORT FOR PERMANENT
CLOSURE OR CHANGE-IN SERVICE OF UST FORM”**

UST-61: “24-HOUR RELEASE AND UST LEAK REPORTING FORM”

UST-2 Site Investigation Report for Permanent Closure or Change-in-Service of UST

Return completed form to:

The DWM Regional Office located in the area where the facility is located. Send a copy to the Central Office in Raleigh so that the status of the tank may be changed to "PERMANENTLY CLOSED" and your tank fee account can be closed out. SEE MAP ON THE BACK OF THIS FORM FOR THE CENTRAL AND REGIONAL OFFICE ADDRESSES.

STATE USE ONLY:

I.D. # _____

Date Received _____

INSTRUCTIONS (READ THIS FIRST)

For more than five UST systems you may attach additional forms as needed.

Permanent closure – For permanent closure, complete all sections of this form.

Change-in-service – For change-in-service where UST systems will be converted from containing a regulated substance to storing a non-regulated substance, complete sections I, II, III, IV, and VIII

Effective February 1, 1995, all UST closure/change-in-service reports must be submitted in the format provided in the UST-12 form. UST closure and change-in-services must be completed in accordance with the latest version of the *Guidelines for Tank Closure*. A copy of the UST-12 form and the *Guidelines for Tank Closure* can be obtained at www.wastenotnc.org.

You must make sure that USTs removed from your property are disposed of properly. When choosing a closure contractor, ask where the tank(s) will be taken for disposal. Usually, USTs are cleaned and cut up for scrap metal. This is dangerous work and must be performed by a qualified company. Tanks disposed of illegally in fields or other dumpsites can leak petroleum products and sludge into the environment. If your tanks are disposed of improperly, you could be held responsible for the cleanup of any environmental damage that occurs.

NOTE: If a release from the tank(s) has occurred, the site assessment portion of the tank closure must be conducted under the supervision of a P.E. or L.G., with all closure site assessment reports bearing the signature and seal of the P.E. or L.G.

I. OWNERSHIP OF TANKS

II. LOCATION OF TANKS

Owner Name (Corporation, Individual, Public Agency, or Other Entity)
NCDOT by Permanent Easement

Facility Name or Company

Street Address
US 1 and Special Forces Way

Facility ID # (If known)

City County
Hoffman Richmond

Street Address
US 1 and Special Forces Way

State Zip Code
NC 28347

City County Zip Code
Hoffman Richmond 28347

Phone Number
none

Phone Number
none

III. CONTACT PERSONNEL

Contact for Facility:
Mr. Cyrus F. Parker NCDOT Geoenvironmental Unit

Job Title:
Project Manager

Phone. No:
919-250-4088

Closure Contractor Name:
Tony Disher

Closure Contractor Company:
Soil Solutions, Inc..

Address:
1703 Vargrave St, Winston-Salem, NC

Phone. No:
336-725-5844

Primary Consultant Name:
Sheri L. Knox, P.E.

Primary Consultant Company:
Solutions-IES, Inc.

Address:
1101 Nowell Rd., Raleigh, NC

Phone. No:
919-873-1060

IV. UST INFORMATION FOR REGISTERED UST SYSTEMS

V. EXCAVATION CONDITION

| Tank ID No. | Size in Gallons | Tank Dimensions | Last Contents | Last Use Date | Permanent Close Date | Change-in-Service Date | Water in excavation | | Free product | | Notable odor or visible soil contamination | | |
|-------------|-----------------|-----------------|---------------|---------------|----------------------|------------------------|-------------------------------------|--------------------------|--------------------------|-------------------------------------|--|-------------------------------------|--------------------------|
| | | | | | | | Yes | No | Yes | No | Yes | No | |
| 1 | 550 | 4' x 6' | Gasoline, Ga | unknown | 03/19/08 | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2 | 550 | 4' x 6' | Gasoline, Ga | unknown | 03/19/08 | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| | | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

VI. UST INFORMATION FOR UNREGISTERED UST SYSTEMS

VII. EXCAVATION CONDITION

| Tank ID No. | Size in Gallons | Tank Dimensions | Last Contents | Last Use Date | Permanent Close Date | Tank Owner Name * | Water in excavation | | Free product | | Notable odor or visible soil contamination | |
|-------------|-----------------|-----------------|---------------|---------------|----------------------|-------------------|--------------------------|--------------------------|--------------------------|--------------------------|--|--------------------------|
| | | | | | | | Yes | No | Yes | No | Yes | No |
| | | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

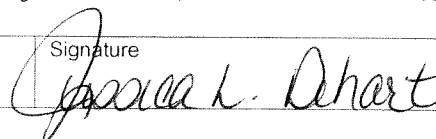
* If the tank owner address is different from the one listed in Section I., then enter the street address, city, state, zip code and telephone no. below:

VIII. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true accurate and complete.

Print name and official title of owner or owner's authorized representative
Jessica L. Dehart, PG. Acting Agent for NCDOT

Signature



Date Signed

3/28/08

UST-61

24-Hour Release and UST Leak Reporting Form.

For Releases in NC

This form should be completed and submitted to the UST Section's regional office following a known or suspected release from an underground storage tank (UST) system. This form is required to be submitted within 24 hours of discovery of a known or suspected release

(DWM USE ONLY)
Incident # _____ Risk (H,I,L,U) _____
Received On _____ Received By _____
Reported by (circle one): Phone, Fax or Report
Region _____

Suspected Contamination? (Y/N) Y
Confirmed GW Contamination? (Y/N) N
Confirmed Soil Contamination? (Y/N) Y
Samples Taken? (Y/N) Y
Free Product? (Y/N) N If Yes, State Greatest
Thickness NA

Facility ID Number 3262
Date Leak Discovered 3/19/08
Comm/Non-Commercial? _____
Reg/Non-regulated? Regulated

INCIDENT DESCRIPTION

Incident Name: NCDOT Parcel 68 – James Pugh Property

Address: US 1 and Special Forces Way

County: Richmond

City/Town: Hoffman

Zip Code: 28347

Regional Office (circle one): Asheville, Mooresville, Fayetteville, Raleigh, Washington, Wilmington, Winston-Salem

Latitude (decimal degrees): 35.05727

Longitude (decimal degrees): 79.49916

Obtained by:

Briefly describe suspected or confirmed release: (including but not limited to: nature of release, date of release, amount of release, amount of free product present and recovery efforts, initial responses conducted, impacts to receptors)

GPS

A review of the RUST database and preliminary site assessment did not indicate UST

Topographic map

at this location. During removal of contaminated materials identified during the PSA, two USTs

GIS Address matching

were located and closed by removal on 3/19/08. No free product was identified.

Other

Laboratory data indicated concentrations of both GRO and DRO above the regulatory screening

Unknown

limit of 10 mg/kg in soils. The date of release is unknown. Impacted soil was removed from the site.

Describe location:

HOW RELEASE WAS DISCOVERED (Release Code)

(Check one)

Release Detection Equipment or Methods

Visual/Odor

Groundwater Contamination

During UST Closure/Removal

Water in Tank

Surface Water Contamination

Property Transfer

Water Supply Well Contamination

Other (specify) _____

SOURCE OF CONTAMINATION

Source of Release

(Check one to indicate primary source)

- Tank
- Piping
- Dispenser
- Submersible Turbine Pump
- Delivery Problem
- Other
- Unknown

Definitions presented on reverse

Cause of Release

(Check one to indicate primary cause)

- Spill
- Overfill
- Corrosion
- Physical or Mechanical Damage
- Install Problem
- Other
- Unknown

Definitions presented on reverse

Type of Release

(Check one)

- Petroleum
- Non-Petroleum
- Both

Location

(Check one)

- Facility
- Residence
- Other

Product Type Released

(Check one to indicate primary product type released)

- Gasoline/ Diesel/ Kerosene
- Heating Oil
- Other Petroleum Products
- Metals
- Other Inorganics
- Other Organics
- Diesel/Veg. Oil Blend
- Vegetable Oil 100%
- E10 – E20
- E21 – E84
- E85 – E99
- Ethanol 100%
- E01 – E09

Ownership

1. Municipal 2. Military 3. Unknown 4. Private 5. Federal 6. County 7. State

Operation Type

1. Public Service 2. Agricultural 3. Residential 4. Education/Relig. 5. Industrial 6. Commercial 7. Mining

IMPACT ON DRINKING WATER SUPPLIES

Water Supply Wells Affected? 1. Yes **2. No** 3. Unknown

Number of Water Supply Wells Affected _____

Water Supply Wells Contaminated: (Include Users Names, Addresses and Phone Numbers. Attach additional sheet if necessary)

- 1.
- 2.
- 3.

UST SYSTEM OWNER

UST Owner/Company

NCDOT by permanent easement

Point of Contact

Cyrus F. Parker (NCDOT Geoenvironmental Unit)

Address

Beryl Road

City

Raleigh

State

NC

Zip Code

27607

Telephone Number

919-250-4088

UST SYSTEM OPERATOR

UST Operator/Company

Unknown

Address

City

State

Zip Code

Telephone Number

LANDOWNER AT LOCATION OF UST INCIDENT

Landowner

NCDOT by permanent easement

Address

City

State

Zip Code

Telephone Number

Draw Sketch of Area (showing two major road intersections) or Attach Map



Person Reporting Incident Jessica Dehart

Company Solutions-IES, Inc.

Telephone Number 919-873-1060

Title Acting Agent for NCDOT

Address 1101 Nowell Rd. Raleigh, NC

Date 04/15/08

UST Form 61 (02/08)

Page 2 of 2

Definitions of Sources

Tank: means the tank that stores the product and is part of the underground storage tank system

Piping: means the piping and connectors running from the tank or submersible turbine pump to the dispenser or other end-use equipment (Vent, vapor recovery, or fill lines are excluded.)

Dispenser: includes the dispenser and the equipment used to connect the dispenser to the piping (e.g., a release from a suction pump or from components located above the shear valve)

Submersible Turbine Pump (STP) Area includes the submersible turbine pump head (typically located in the tank sump), the line leak detector, and the piping that connects the submersible turbine pump to the tank

Delivery Problem: identifies releases that occurred during product delivery to the tank. (Typical causes associated with this source are spills and overfills.)

Other: serves as the option to use when the release source is known but does not fit into one of the preceding categories (e.g., for releases from vent lines, vapor recovery lines, and fill lines)

Unknown: identifies releases for which the source has not been determined

Definitions of Causes

Spill: use this cause when a spill occurs (e.g., when the delivery hose is disconnected from the tank fill pipe or when the nozzle is removed from the dispenser)

Overfill: use when an overfill occurs (e.g., overfills may occur from the fill pipe at the tank or when the nozzle fails to shut off at the dispenser)

Physical or Mechanical Damage: use for all types of physical or mechanical damage, except corrosion (e.g., puncture of tank or piping, loose fittings, broken components, and components that have changed dimension)

Corrosion: use when a metal tank, piping, or other component has a release due to corrosion (e.g., for steel, corrosion takes the form of rust)

Installation Problem: use when the problem is determined to have occurred specifically because the UST system was not installed properly

Other: use this option when the cause is known but does not fit into one of the preceding categories (e.g., putting regulated substances into monitoring wells)

Unknown: use when the cause has not been determined

APPENDIX B

SITE-SPECIFIC HEALTH AND SAFETY PLAN

HEALTH AND SAFETY PLAN

PRELIMINARY SITE ASSESSMENTS

PARCELS: (R-2502-A&B) 009, 021, 048, 050, 061, and 068

Along US-1 South of SR1001 to North of the Richmond County Line

**NCDOT TIP: R-2502 A & B
NCDOT WBS Element: 34438.1.1
RICHMOND / MOORE COUNTY
NORTH CAROLINA**

Prepared for:

NCDOT Geotechnical Unit
1589 Mail Service Center
Raleigh, NC 27699-1589

Prepared by:

Solutions-IES, Inc.
1101 Nowell Road
Raleigh, NC 27607

Solutions-IES Project No. 6000.07A3.NDOT

February 2008

**HEALTH AND SAFETY PLAN
PRELIMINARY SITE ASSESSMENT**

LOCATION OF SITE: 6 Parcels from South of SR 1001 to North of the
Richmond County Line, North Carolina

SOLUTIONS-IES JOB NO.: 6000.07A3.NDOT

CLIENT: Mr. Cyrus F. Parker, LG , PE
(NCDOT Geotechnical Unit)

REVIEWED BY

Corporate Health & Safety Officer Walter J. Beckwith, P.G.

Project Manager Sheri Knox, P.E.



DATE OF PLAN PREPARATION

February 27, 2008

DATES OF PLANNED FIELD ACTIVITIES:

March 10, 2008 to March 21

EMERGENCY CONTACT INFORMATION:

Hospital: **First Health Richmond Memorial Hospital**
925 South Long Drive
Rockingham, NC 28379 (910) 417-3665

Distance from Site: **Approximately 15.7 miles**

Travel Time: 24 minutes

Directions:

Start: Going West on US-1/Main Street towards Bracy St.
Turn LEFT on South Long Drive / NC-1646
End: 925 South Long Drive, Rockingham, NC 28379-4835

Source: www.mapquest.com
(See Figure 1 for Hospital Route)

EMS/FIRE/POLICE: 911

SOLUTIONS-IES HEALTH AND SAFETY OFFICER:

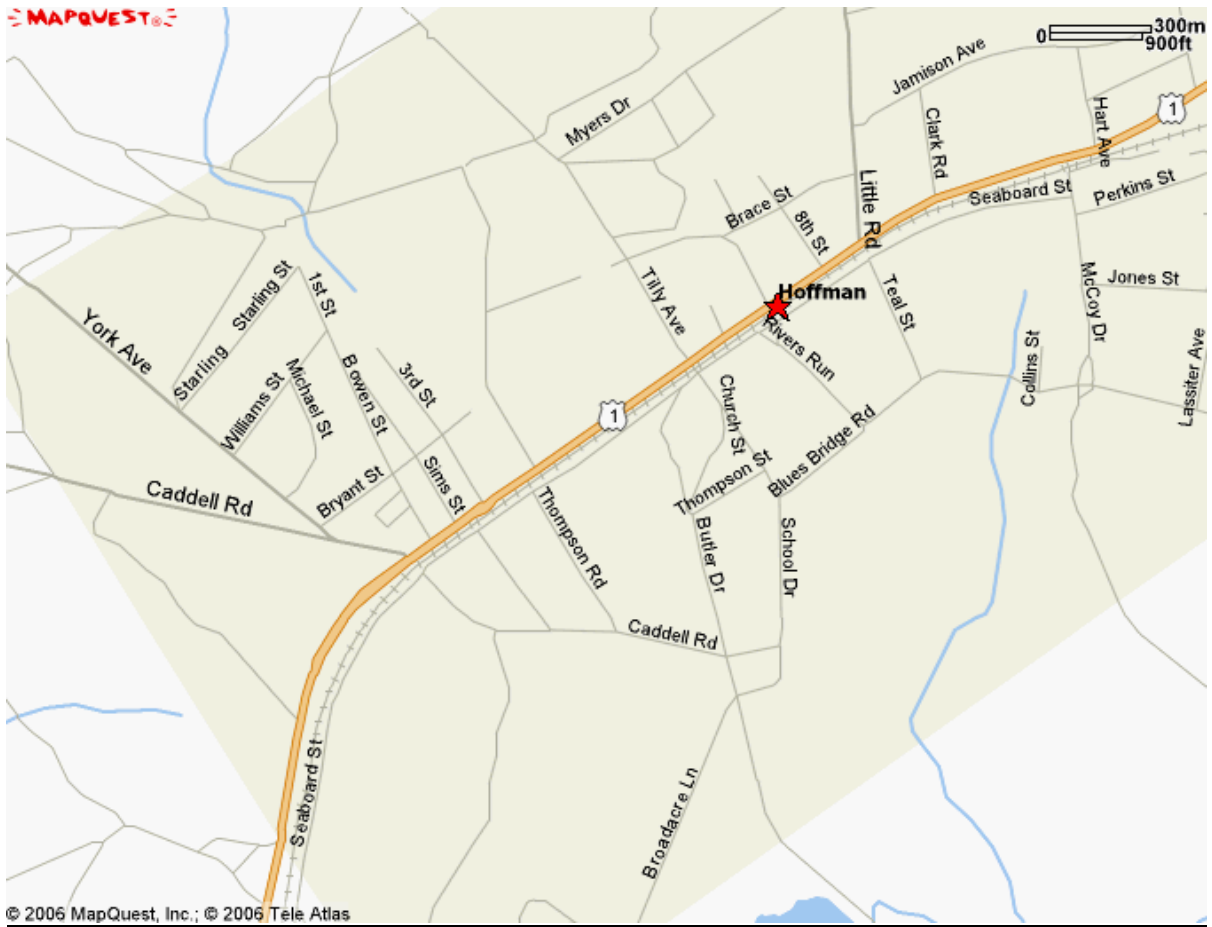
Walt Beckwith, Office (919) 873-1060; Mobile (919) 345-1310

CLIENT CONTACT: Mr. Cyrus F. Parker, LG, PE
Office (919) 250-4088

**FIGURE 1
ROUTE TO HOSPITAL**



**FIGURE 2
LOCAL MAP**



DAILY SIGN IN LOG:

Solutions-IES is not liable for any Health & Safety issues involving non-Solutions-IES employees. Contractors, sub-contractors and government employees are responsible for providing and following their own Health & Safety Plans and adhering to their own company policies.

The undersigned Solutions-IES employees have read and understood this site-specific health and safety plan:

| <u>Name</u> | <u>Signature</u> | <u>Date</u> | <u>Attended Today's Site Specific H&S Meeting?(Y/N)</u> |
|----------------|------------------|--------------------------------|---|
| Jessica Dehart | J. Dehart | 3/10/08 | Y |
| Jessica Dehart | J. Dehart | 3/11/08 | Y |
| Jessica Dehart | J. Dehart | 3/12/08 | Y |
| Jessica Dehart | J. Dehart | 3/13/08 | Y |
| Jessica Dehart | J. Dehart | 3/14/08 | Y |
| Jessica Dehart | J. Dehart | 3/18/08 | Y |
| Jessica Dehart | J. Dehart | 3/19/08 | Y |
| Jessica Dehart | J. Dehart | 3/20/08 | Y |
| Jessica Dehart | J. Dehart | 3/21/08 | Y |
| Tim Parks | T. Parks | ³¹²⁴⁻⁰⁰³ 3/23/08 | Y |
| Tim Parks | T. Parks | 3/25/08 | Y |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

SITE-SPECIFIC HEALTH AND SAFETY PLAN

TANK PULL'S AND SOIL EXCAVATION / REMOVAL

PARCELS: (R-2502-A&B) 009, 021, 048, 050, 061, and 068

A. Site History and Description

NCDOT TIP: R-2502 A & B Richmond County, NC

A Limited PSAs was performed at the six parcels referenced in the Request for Technical and Cost Proposal dated July 10, 2006. NCDOT provided a brief description of the six parcels including some background information and a Limited Phase I Site Assessment report prepared by S&ME, Inc. Work is to be performed in Right of Way and/or Easement only.

State Project: R-2502A

Parcel 009, K.J. Lewis Property - 2505 US Hwy 1 (north side of hwy 1 and east of Mercer St.) Richmond County NC. This parcel is located on the north side of US 1 just east of Mercer Street. Three USTs were noted on the property in the existing right of way. Heavy vegetation, overhead electric lines exist on the site. It probably operated as a gas station in the past. Pump island remains were observed. We did not collect any samples as access at this site is difficult.

Scope: Remove USTs contents and piping; excavate and dispose of contaminated soils.

Parcel 021, James Brigman Property - 2589 US Hwy 1 near the towns of Marston and Hoffman. It previously operated as gas station, smoke shop and body-piercing establishment. No evidence of UST system observed. 11 soil borings showed low concentrations detected in headspace analysis and no detects of TPH DRO/GRO above lab limits

Scope: Remove USTs contents and piping; excavate and dispose of contaminated soils.

Parcel 048, Roy Barry Bostick Property - 3569 US Hwy 1 Richmond County, NC near Marston and Hoffman. Previously, buildings housed a towing company which performed vehicle maintenance and race car assembly. There is possibly one small UST southwest corner of building. There is no evidence of UST system. 10 soil borings showed low levels of volatile vapors in headspace and chromium and lead detected above reporting limits in all 10 samples. DRO was above lab reporting limits in 6 of 10.

Scope: Remove USTs, contents and piping; excavate and dispose of contaminated soils. This parcel is located on the north side of US 1 and 300 feet west of Tilley Street.

Parcel 050, Pansy Earnest Property -3585 US Hwy 1 near Marston and Hoffman Richmond Co., near Hwy 1 and Tilley St in Hoffman. There is a cinder block building on site, and several utilities including overhead. GPR showed 2 potential USTs near southwestern corner of bldg. No evidence of UST system noted. Nine soil borings showed low concentration of volatiles in headspace and DRO levels between 5.4-6.6 mg/kg .

Scope: Remove USTs, contents and piping; excavate and dispose of contaminated soils.

Parcel 061, Cooper & Brown Incorporated Property - 3702 Us Hwy 1. There is a cinder block building on site, along with dense brush and trees. Utilities were noted overhead. Geophysical found no evidence of USTs. There are elevated DRO and GRO in soils that are stockpiled on site.

Scope: Load and dispose of 50 yd³ stockpiled on-site.

Parcel 068 (R-2502B), James Pugh Property - US Hwy 1 Richmond County, near Marston and Hoffman. Located on the north side of US 1 ~500 ft west of Special Forces Way. The site is covered with dense brush and trees. A former pump island noted suggesting gas station operated in the past. GPR did not suggest a UST, but maybe a cistern or well 140 ft west of pump island. Nineteen soil borings had volatile vapors in headspace screening, and elevated GRO and DRO levels.

Scope: Excavate and dispose of contaminated soils down to an elevation of 278 feet or until no contamination is detected.

A. Site Classification: (i.e. plant, landfill, etc.)

The sites are either abandoned commercial businesses that were previously used as commercial fueling stations or cleared lots. Parcel 068 is a local resident with an open well head that presents a fall hazard.

B. Activities performed prior to investigation: (i.e. groundwater sampling, tank removal, spill, fire, etc.)

The property owner of Parcel 061 reportedly closed eight UST's. Phase 1 ESA was completed that encompasses the properties. Solutions-IES completed an PSA of the properties in August of 2006.

C. Unusual Features: (i.e. lakes, streams, utilities, dikes, drum storage, etc.)

Properties are adjacent to the highways, and a opened well head on parcel 68

D. Waste Classification: Solid Liquid Gas Sludge

E. Waste Characterization: Toxic Corrosive Radioactive

Flammable Volatile Reactive

Other (Specify) _____

F. Substance(s) Quantity Action Level (PEL/TWA)

Gasoline unknown 5ppm

Kerosene/Diesel unknown 100ppm

Diesel Fuel unknown 10ppm

Heating Oil unknown 100ppm

Waste Oil unknown Not Established

1. Soil sampling out of back-hoe bucket or hand auger

Comments:

Solutions-IES Employee will make direct eye contact with back-hoe operator before approaching bucket to obtain sample, and will only approach bucket when it is at rest. _____

B. Work Plan Description:

The following describes the activities to be performed at the site. UST's will be removed by Soil Solutions, and contaminated soils will be excavated to the extent written in the proposal. Additional soil may be removed after verbal confirmation from the project manager. Solutions-IES will screen soils and perform closure and confirmation sampling. The samples will be shipped on under Chain-of-Custody control to Pace Analytical Laboratories for analysis. Soil samples collected will be analyzed for total petroleum hydrocarbons. Contaminated soil will be removed from the sites by Soil Solutions and disposed of according to regulations.

D. Levels of Protection

| <u>Job Activity</u> | <u>Personal Protective Equipment (PPE)</u> | <u>Level</u> |
|---------------------|---|--------------|
| 1. Soil sampling | <u>Steel toe boots, nitrile gloves,</u> <u>safety glasses, ear plugs, and DOT safety vest.</u> <u>Hard hat will be worn while working around</u> <u>Geo-Probe.</u> | D |

V. Ambient Field Monitoring

A. Equipment required:

Flame ionization detector (FID)

B. Monitoring Protocol:

Position yourself upwind of the purging/sampling operation if possible. If odors are detected monitor the breathing zone with a flame ionization detector (FID). Monitor the breathing zone frequently. If readings approach 5 ppm over background, cease activities. Move upwind from the suspected source and let levels stabilize. Return to work when levels are less than 5 ppm. If levels do not decrease, stop activities and call Solutions-IES Health and Safety officer.

VI. Safety Equipment List

- A. First-Aid kit Yes ___ No Location: Solutions-IES truck
- B. Fire Extinguisher: Yes ___ No Location: Solutions-IES truck
Verify condition prior to mobilization
- C. Communication: ___ Buddy ___ Radio ___ Hand Signals Cell Phone
- D. Personal Protective Equipment List: Level D
- ___ Tyvek
 - ___ Chemical Resistant Suit
 - ___ Fully Encapsulated Suit
 - Steel Toed Boots
 - Orange Work Vest
 - Hard Hat
 - Safety Glasses
 - ___ Ear Plugs (**See Attached Hearing Protection Protocol**)
 - ___ Gloves, inner (specify) _____
 - Gloves, outer (specify) Nitrile, work gloves
 - ___ Respirator, Type: ___ Half-face ___ Full-face ___ SCBA
 - ___ Respirator Cartridge Type: _____
- E. Other Specialized Equipment:
- Water Cooler
 - Cell Phone
 - Traffic Cones
 - Traffic Signs (When Necessary)
 - API UST Closure Guidelines
 - NCDENR UST Section Tank Closure Guidelines
 - Other(specify) roll of plastic sheeting

VII. Decontamination Equipment

- Pressure Washer (Geoprobe) Solvent Rinse
- Steam Ginny (Drill Rig) Other (specify) _____
- Water
- Liquinox™
- 5-Gallon Carboy of Deionized Water

VIII. Decontamination Procedures

Activity: Soil sampling

Procedure: All non-disposable sampling equipment will be rinsed with potable water, washed with a Liquinox™/water mixture, and then rinsed with DI water and allowed to air dry.

IX. Sanitation:

Restrooms/Hand Washing:

Locate suitable facilities before beginning work.

Shower:

Not Available

Comments:

Hose on Geo-Probe can be used for hand washing.

X. Education, Training and Medical Surveillance

A. Special Training Beyond OSHA 40-Hour Requirement?

No

Yes (specify) _____

B. Special Medical Monitoring beyond standard OSHA program required?

No

Yes (specify) _____

APPENDIX I MSDS FORMS

Unknown concentrations of the contaminants listed below may be detected in the soil and groundwater at the parcels to be assessed.

1. Gasoline
2. Diesel
3. Kerosene
4. Heating Oil
5. Waste Oil

APPENDIX II
ACCIDENT, ENVIRONMENTAL RELEASE, PROPERTY DAMAGE OR
NEAR MISS FORM

Appendix IV
Hearing Protection Protocol

APPENDIX C

**TANKS DISPOSAL CERTIFICATE, CERTIFICATE OF SOIL DISPOSAL
AND SOIL MANIFESTS**



SOIL SOLUTIONS

TANKS DISPOSAL CERTIFICATE

Tank Owner: NCDOT (Parcel 68)

Site Address: US-1 and Special Forces Way
Hoffman, NC

Description of Tanks:

| <u>Tank Number</u> | <u>Size of Tank</u> | <u>Contents</u> |
|--------------------|---------------------|-----------------|
| 1 | 550 Gallons | Gasoline |
| 2 | 550 Gallons | Gasoline |

Transporter: Soil Solutions, Inc.

SSI Project #: 030811

Disposal Certification:

Soil Solutions, Inc. does hereby certify that the above named storage tanks were transported to Atlantic Scrap and Processing in Winston-Salem, NC for proper disposal and recycling.

Signature

Thomas W. Hammett
Vice President
Soil Solutions, Inc.





SOIL SOLUTIONS

CERTIFICATE OF DISPOSAL

Soil Solutions, Inc. does hereby certify that 869.80 tons of non-hazardous contaminated material received on 03/18/2008, 03/19/2008, 03/20/2008 and 03/21/2008 from:

Generator: NCDOT (Parcel 68)

Originating at: US-1 and Special Forces Way
Hoffman, NC

SSI Waste ID #: 030811

has been disposed of by Soil Solutions, Inc. in a manner approved by the North Carolina Department of Environment and Natural Resources.



Signature

Tony Disher
President
Soil Solutions, Inc.



Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415

- NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2008
ADOLPHUS HEADEN *AS* 31794
INVALID UNLESS SIGNED

5 ID. NO.

77400 1b GR RECALLED
 60340 1b TR
 17060 1b NT

03/18/08 10:38am

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: Soil Solutions, Inc. 1703 Vargrave Street, Winston Salem, NC | Contact: Tony Disher 336-725-5844 |
| Generator: NCDOT Parcel #68 US1 & Special Forces Way, Hoffman, NC 28347 | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: | Contact: Phone |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US 1 & Special Forces Way, Hoffman, NC 28347 |
| Truck #: <i>ETS TR#2</i> | Gross Weight: 77400 |
| | Tare Weight: 60340 31280 |
| | Net Weight: 17060 46120 |
| | 23.06 8.55 tons |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jessica Dehart ACTIVE AGENT: FOR NCDOT 3/18/08
 Generator / Agent Signature Title Date
 Acknowledgment of Receipt of Material: *Mario Monroe* 3-18-08
 Drivers Signature Date

Noted Discrepancies:
 Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: *Adolphus Headen* Date: 3-18-08

Earthtec
3145 Rover Rd.
Bear Creek, NC
Scale Ticket

7 ID. NO.

31280 1b GR REDALLED
00 1b TR
31280 1b NT

TONS

23.06

03/18/08 12:01PM

77400
31280

46120

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2008
ABOLPHUS HEADEN *AK* 31794

INVALID UNLESS SIGNED

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415

NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008
 ADOLPHUS HEADEN 31794
 INVALID UNLESS SIGNED

1 ID. NO.
 68320 1b GR
 28860 1b TR RECALLED
 39460 1b NT

03/18/08 10:14am

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 090811 | Load Number: |
| Consultant: Soil Solutions, Inc. 1703 Vargrave Street, Winston Salem, NC | Contact: Tony Disher 336-725-5844 |
| Generator: NCDOT Parcel #68 US1 & Special Forces Way, Hoffman, NC 28347 | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US 1 & Special Forces Way, Hoffman, NC 28347 |
| Truck #: EV-007 | Gross Weight: 68320 |
| | Tare Weight: 28860 |
| | Net Weight: 39460 |
| | 773 19.73 tons |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

_____ ACTING AGENT FOR NCDOT 3/18/08
 Generator / Agent Signature Title Date
 Acknowledgment of Receipt of Material: Richard Blakely 3-18-08
 Drivers Signature Date

Noted Discrepancies: _____
 Inspected & Accepted (except as noted above) By: Earthtec Environmental, Inc.

Accepted By: Adolphus Headen Date: 3-18-08

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415

**NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008
 ADOLPHUS HEADEN 31794**
INVALID UNLESS SIGNED

3 ID- NO.

57720 1b GR
 26240 1b TR RECALLED
 31480 1b NT

03/18/08 10:26am

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: Soil Solutions, Inc. 1703 Vargrave Street, Winston Salem, NC | Contact: Tony Disher 336-725-5844 |
| Generator: NCDOT Parcel #68 US1 & Special Forces Way, Hoffman, NC 28347 | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: | Contact: Phone |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US 1 & Special Forces Way, Hoffman, NC 28347 |
| Truck #: <u>E102</u> | Gross Weight: <u>57720</u> |
| <u>Earthtec</u> | Tare Weight: <u>26240</u> |
| | Net Weight: <u>31480</u> |
| | <u>15.74 tons</u> |

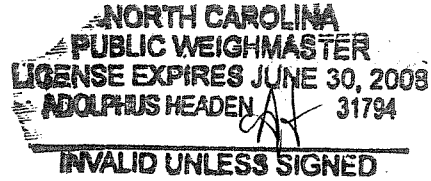
Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jessica Dehart ACTING AGENT FIELD UNIT 3/18/08
 Generator / Agent Signature Title Date
 Acknowledgment of Receipt of Material: Adolphus Headen 3/18/08
 Drivers Signature Date

Noted Discrepancies: _____
 Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: Adolphus Headen Date: 3-18-08

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415



2 ID. NO.

53280 1b GR
 24980 1b TR RECALLED
 28300 1b NT

03/18/08 10:34am

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: Soil Solutions, Inc. 1703 Vargrave Street, Winston Salem, NC | Contact: Tony Disher 336-725-5844 |
| Generator: NCDOT Parcel #68 US1 & Special Forces Way, Hoffman, NC 28347 | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US 1 & Special Forces Way, Hoffman, NC 28347 |
| Truck #: ET01 | Gross Weight: 53280 |
| Earthter | Tare Weight: 24980 |
| | Net Weight: 28300 |
| | 14,15 tons |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jessica Dehart ACTING AGENT FOR NCDOT 3/18/08
 Generator / Agent Signature Title Date
 Acknowledgment of Receipt of Material: Jerry Z. Cheetham 3/18/08
 Driver's Signature Date

Noted Discrepancies: _____

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: Adolphus Headen Date: 3-18-08

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415

**NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008**
ADOLPHUS HEADEN 31784

73 ID. NO.
 78060 1b GR
 27000 1b TR RECALLED
 51060 1b NT

INVALID UNLESS SIGNED

03/18/08 10:11am

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: Soil Solutions, Inc. 1703 Vargrave Street, Winston Salem, NC | Contact: Tony Disher 336-725-5844 |
| Generator: NCDOT Parcel #68 US1 & Special Forces Way, Hoffman, NC 28347 | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US I & Special Forces Way, Hoffman, NC 28347 |
| Truck #: JB Thomas Inc | Gross Weight: 78060 |
| JB # 2 | Tare Weight: 27000 |
| | Net Weight: 51060 |
| | 25.53 tons |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jessica Dehart ACTING AGENT FOR NCDOT 3/18/08
 Generator / Agent Signature Title Date
John Fisher 3/18/08
 Acknowledgment of Receipt of Material: Drivers Signature Date

Noted Discrepancies: _____

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: Adolphus Headen Date: 3-18-08

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4317
 Fax #: 919-774-6415

**NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008**
ABOLPHUS HEADEN *AS* 31794
INVALID UNLESS SIGNED

72 ID. NO.
 76060 1b GR
 29980 1b TR RECALLED
 46080 1b NT

NON-HAZARDOUS WASTE MANIFEST 03/18/08 10:07am

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: Soil Solutions, Inc. 1703 Vargrave Street, Winston Salem, NC | Contact: Tony Disher 336-725-5844 |
| Generator: NCDOT Parcel #68 USI & Special Forces Way, Hoffman, NC 28347 | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US I & Special Forces Way, Hoffman, NC 28347 |
| Truck #: <i>JD Thomas Inc</i> | Gross Weight: <i>76060</i> |
| <i>JT-01</i> | Tare Weight: <i>29980</i> |
| | Net Weight: <i>46080</i> |
| | <i>23,04 tons</i> |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Deborah Dewart ACTING AGENT FOR NCDOT *3/18/08*
 Generator / Agent Signature Title Date
 Acknowledgment of Receipt of Material: *Abolphus Headen* *3/18/08*
 Drivers Signature Date

Noted Discrepancies: _____
 Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.
 Accepted By: *Abolphus Headen* Date: *3-18-08*

Earthtec of NC, Inc.
 Post Office Box 110
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415

**NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008
 ADOLPHUS HEADEN AS 31784
 INVALID UNLESS SIGNED**

6 ID. NO.

71700 1b GR
 29620 1b TR RECALLED
 42080 1b NT

03/19/08 12:52PM

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: Soil Solutions, Inc. 1703 Vargrave Street, Winston Salem, NC | Contact: Tony Disher 336-725-5844 |
| Generator: NCDOT Parcel #68 US1 & Special Forces Way, Hoffman, NC 28347 | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US 1 & Special Forces Way, Hoffman, NC 28347 |
| Truck #: <i>ET-6 TR-1</i> | Gross Weight: <i>71700</i> |
| | Tare Weight: <i>29620</i> |
| | Net Weight: <i>42080</i> |
| | <i>21.04 tons</i> |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jessica Dhart ACTING AGENT FOR NCDOT 3/19/08
 Generator / Agent Signature Title Date
 Acknowledgment of Receipt of Material: *Willie Monroe* 3-19-08
 Drivers Signature Date

Noted Discrepancies:

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: *Adolphus Headen* Date: *3-19-08*

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415

NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008
 ADOLPHUS HEADEN 31794
 INVALID UNLESS SIGNED

144 ID- NO.

83440 1b GR
 34100 1b TR RECALLED
 49340 1b NT

03/19/08 01:54pm

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: SOIL SOLUTIONS INC 1703 VARGRAVEST WINSTON-SALEM NC | Contact: TONY Disher 336-725-5844 |
| Generator: NCDOT PARCEL #108 US1 + SPECIAL FORCES WAY HOFFMAN, NC | Contact: CYRUS PARKER Phone: 919-250-4088 |
| Transporter: Soil Solutions Inc | Contact: Tony Disher Phone 336-725-5844 |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: |
| Truck #: 55209 | Gross Weight: ⁴⁵⁰ 83460 |
| | Tare Weight: 34100 |
| | Net Weight: 49340 |
| | 24,67 tons |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jessica Dehart ACTING AGENT FOR NCDOT 3/19/08
 Generator / Agent Signature Title Date
[Signature] Acknowledgment of Receipt of Material: [Signature] 3/19/08
 Drivers Signature Date

Noted Discrepancies:

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: Adolphus Headen Date: 3-19-08

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415

NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008
 JESSIE GODFREY 31795
 INVALID UNLESS SIGNED

73 ID. NO.

84660 1b GR
 27000 1b TR RECALLED
 57660 1b NT

03/18/08 02:55pm

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: Soil Solutions, Inc. 1703 Vargrave Street, Winston Salem, NC | Contact: Tony Disher 336-725-5844 |
| Generator: NCDOT Parcel #68 US1 & Special Forces Way, Hoffman, NC 28347 | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US 1 & Special Forces Way, Hoffman, NC 28347 |
| Truck #: JB Thomas Inc | Gross Weight: 84660 |
| JT-02 | Tare Weight: 27000 |
| | Net Weight: 57660 |
| | 28,83 tons |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jessie What ACTING AGENT FOR NCDOT 3/18/08
 Generator / Agent Signature Title Date
John Thues Drivers Signature 3/18/08
 Acknowledgment of Receipt of Material: Date

Noted Discrepancies:

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: Stephen Hecker Date: 3-18-08

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415

NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008
 JESSIE GODFREY 31795
 INVALID UNLESS SIGNED

2 ID. NO.

65220 1b GR
 24980 1b TR RECALLED
 40240 1b NT

03/18/08 04:06PM

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: Soil Solutions, Inc. 1703 Vargrave Street, Winston Salem, NC | Contact: Tony Disher 336-725-5844 |
| Generator: NCDOT Parcel #68 US1 & Special Forces Way, Hoffman, NC 28347 | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US 1 & Special Forces Way, Hoffman, NC 28347 |
| Truck #: ET01 | Gross Weight: 65220 |
| Earthtec | Tare Weight: 24980 |
| | Net Weight: 40240 |
| | TONNLS 20.12 |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jessie Godfrey ACTING AGENT FOR NCDOT 3/18/08
 Generator / Agent Signature Title Date
 Acknowledgment of Receipt of Material: Serry Z. Weston 3/18/08
 Driver's Signature Date

Noted Discrepancies: _____
 Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: [Signature] Date: 3-18-08

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415

NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008
 JESSIE GODFREY 31795
 INVALID UNLESS SIGNED

7 ID- NO.

74880 1b GR
 31280 1b TR RECALLED
 43600 1b NT

03/18/08 03:57pm

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: Soil Solutions, Inc. 1703 Vargrave Street, Winston Salem, NC | Contact: Tony Disher 336-725-5844 |
| Generator: NCDOT Parcel #68 US1 & Special Forces Way, Hoffman, NC 28347 | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US 1 & Special Forces Way, Hoffman, NC 28347 |
| Truck #: ETS TR#2 | Gross Weight: 74880 |
| | Tare Weight: 31280 |
| | Net Weight: 43600 |
| | TOTALS 21.80 |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jessie Dehart ACTING AGENT FOR NCDOT 3/18/08
 Generator / Agent Signature Title Date
Mario Monroe 3-18-08
 Acknowledgment of Receipt of Material: Drivers Signature Date

Noted Discrepancies: _____
 Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: [Signature] Date: 3-18-08

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415

NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008
 ADOLPHUS HEADEN 31784
 INVALID UNLESS SIGNED

3 ID. NO.

62600 1b GR
 26240 1b TR RECALLED
 36360 1b NT

03/18/08 03:33pm

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: Soil Solutions, Inc. 1703 Vargrave Street, Winston Salem, NC | Contact: Tony Disher 336-725-5844 |
| Generator: NCDOT Parcel #68 USI & Special Forces Way, Hoffman, NC 28347 | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US I & Special Forces Way, Hoffman, NC 28347 |
| Truck #: E102 | Gross Weight: 62600 |
| Earthtec | Tare Weight: 26240 |
| | Net Weight: 36360 |
| | 18.18 tons |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jason Dhart ACTING AGENT FOR NCDOT 3/18/08
 Generator / Agent Signature Title Date
Stephen B Rogers 3/18/08
 Acknowledgment of Receipt of Material: Drivers Signature Date

Noted Discrepancies: _____

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: Adolphus Headen Date: 3-18-08

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415

NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008
 JESSIE GODFREY
 31795
 INVALID UNLESS SIGNED

72 ID. NO.

80240 1b GR
 29980 1b TR RECALLED
 50260 1b NT

03/18/08 12:20PM

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: Soil Solutions, Inc. 1703 Vargrave Street, Winston Salem, NC | Contact: Tony Disher 336-725-5844 |
| Generator: NCDOT Parcel #68 US1 & Special Forces Way, Hoffman, NC 28347 | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US 1 & Special Forces Way, Hoffman, NC 28347 |
| Truck #: JB Thomas Inc. | Gross Weight: 80240 |
| JT-01 | Tare Weight: 29980 |
| | Net Weight: 50260 |
| | TONS 25.13 |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jessie Godfrey ACTING AGENT FOR NCDOT 3/18/08
 Generator / Agent Signature Title Date
Jessie Godfrey 3/18/08
 Acknowledgment of Receipt of Material: Drivers Signature Date

Noted Discrepancies: _____
 Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: [Signature] Date: 3-18-08

FD
112

Earthtec
3145 Rosser Rd.
Bear Creek, NC
Scale Ticket

T2 ID. NO.

84140 1b BR
29980 1b TR RECALLED
54160 1b NT

03/18/08 03:10PM

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2008
AROLPHUS HEADEN *[Signature]* 31784
INVALID UNLESS SIGNED

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27531
 Phone #: 919-774-4317
 Fax #: 919-774-6415

NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008
 ADOLPHUS HEADEN *AD* 91794
 INVALID UNLESS SIGNED

73 ID. NO.

84140 1b GR
 27888 1b TR RECALLED
 57140 1b NT

03/18/08 03:09PM

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: Soil Solutions, Inc. 1703 Vargrave Street, Winston Salem, NC | Contact: Tony Disher 336-725-5844 |
| Generator: NCDOT Parcel #68 US1 & Special Forces Way, Hoffman, NC 28347 | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: | Contact: Phone |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US 1 & Special Forces Way, Hoffman, NC 28347 |
| Truck #: <i>JB Thomas Inc</i> | Gross Weight: <i>84140</i> |
| <i>JT-01</i> | Tare Weight: <i>29980</i> |
| | Net Weight: <i>54160</i> |
| | <i>27.08 tons</i> |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

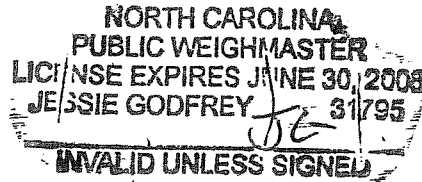
Jessie Dehaet ACTING AGENT FOR NCDOT *3/18/08*
 Generator / Agent Signature Title Date
 Acknowledgment of Receipt of Material: *Jesse Headen* *3/18/08*
 Drivers Signature Date

Noted Discrepancies:

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: *Adolphus Headen* Date: *3-18-08*

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415



73 ID. NO.

75980 1b GR
 27000 1b TR RECALLED
 48980 1b NT

03/18/08 12:23pm

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: Soil Solutions, Inc. 1703 Vargrave Street, Winston Salem, NC | Contact: Tony Disher 336-725-5844 |
| Generator: NCDOT Parcel #68 US1 & Special Forces Way, Hoffman, NC 28347 | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US 1 & Special Forces Way, Hoffman, NC 28347 |
| Truck #: JB Thomas INC | Gross Weight: 75980 |
| JB # 2 | Tare Weight: 27000 |
| | Net Weight: 48980 |
| | TONS 2449 |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jessie Godfrey ACTING AGENT FOR NCDOT 3/18/08
 Generator / Agent Signature Title Date
 Acknowledgment of Receipt of Material: John Egan 3/18/08
 Drivers Signature Date

Noted Discrepancies: _____

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: [Signature] Date: 3-18-08

FD
 73

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415

NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008
 JESSIE GODFREY
 3/1/05
 INVALID UNLESS SIGNED

1 ID. NO.

73300 1b GR
 28860 1b TR RECALLED
 44440 1b NT

03/18/08 02:41PM

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: Soil Solutions, Inc. 1703 Vargrave Street, Winston Salem, NC | Contact: Tony Disher 336-725-5844 |
| Generator: NCDOT Parcel #68 USI & Special Forces Way, Hoffman, NC 28347 | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US I & Special Forces Way, Hoffman, NC 28347 |
| Truck #: EV-007 | Gross Weight: 73300 |
| | Tare Weight: 28860 |
| | Net Weight: 44440 |
| | Tons 22.22 |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jessie Godfrey ACTING AGENT FOR NCDOT 3/18/08
 Generator / Agent Signature Title Date
 Acknowledgment of Receipt of Material: Richard Blakely 3-18-08
 Drivers Signature Date

Noted Discrepancies:

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: Jessie Godfrey Date: 3-18-08

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415

**NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008
 ADOLPHUS HEADEN 31794**
INVALID UNLESS SIGNED

1 ID. NO.

69580 1b GR
 28860 1b TR RECALLED
 40720 1b NT

03/18/08 12:30pm

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: Soil Solutions, Inc. 1703 Vargrave Street, Winston Salem, NC | Contact: Tony Dishier 336-725-5844 |
| Generator: NCDOT Parcel #68 US1 & Special Forces Way, Hoffman, NC 28347 | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US 1 & Special Forces Way, Hoffman, NC 28347 |
| Truck #: EV-007 | Gross Weight: 69580 |
| | Tare Weight: 28860 |
| | Net Weight: 40720 |
| | 20,36 tons |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Cyrus Parker ACTING AGENT FOR NCDOT 3/18/08
 Generator / Agent Signature Title Date
 Acknowledgment of Receipt of Material: Richard Blalock 3-18-08
 Drivers Signature Date

Noted Discrepancies:

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: Adolphus Headen Date: 3-18-08

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415

NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008
 ADOLPHUS HEADEN 31794
 INVALID UNLESS SIGNED

2 ID. NO.

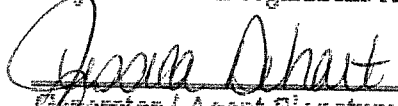

68260 1b GR
 24980 1b TR RECALLED
 43280 1b NT

03/18/08 01:26PM

NON-HAZARDOUS WASTE MANIFEST

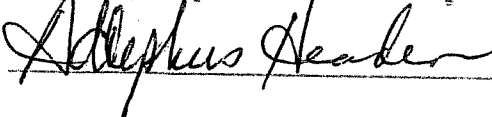
| | |
|--|--|
| Project Number: 030811 | Load Number: 62 |
| Consultant: Soil Solutions, Inc. 1703 Vargrave Street, Winston Salem, NC | Contact: Tony Disher 336-725-5844 |
| Generator: NCDOT Parcel #68 US1 & Special Forces Way, Hoffman, NC 28347 | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: | Contact: Phone |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US 1 & Special Forces Way, Hoffman, NC 28347 |
| Truck #: E701 | Gross Weight: 68260 |
| Earthtec | Tare Weight: 24980 |
| | Net Weight: 43280 |
| | 21.64 tons |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

 ACTING AGENT FOR NCDOT 3/18/08
 Generator / Agent Signature Title Date
 Acknowledgment of Receipt of Material:  3/18/08
 Driver's Signature Date

Noted Discrepancies:

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By:  Date: 3-18-08

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415

**NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008
 ADOLPHUS HEADEN 31794
 INVALID UNLESS SIGNED**

7 ID. NO.

73220 1b GR
 31280 1b TR RECALLED
 41940 1b NT

03/18/08 01:31PM

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Load Number: 8 |
| Consultant: Soil Solutions, Inc. 1703 Vargrave Street, Winston Salem, NC | Contact: Tony Disher 336-725-5844 |
| Generator: NCDOT Parcel #68 US1 & Special Forces Way, Hoffman, NC 28347 | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US 1 & Special Forces Way, Hoffman, NC 28347 |
| Truck #: ETS TR#2 | Gross Weight: 73220 |
| | Tare Weight: 31280 |
| | Net Weight: 41940 |
| | 20.97 tons |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

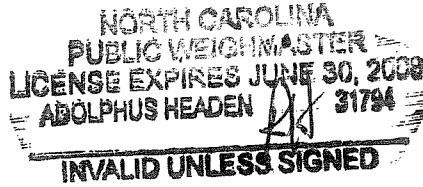
Joanna Dehart ACTING AGENT FOR NCDOT 3/18/08
 Generator / Agent Signature Title Date
 Acknowledgment of Receipt of Material: Mario Monroe 3-18-08
 Drivers Signature Date

Noted Discrepancies: _____

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: Adolphus Heade Date: 3-18-08

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415



3 ID. NO.

69960 1b GR
 26240 1b TR RECALLED
 43720 1b NT

03/19/08 10:16am

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: Soil Solutions, Inc. 1703 Vargrave Street, Winston Salem, NC | Contact: Tony Disher 336-725-5844 |
| Generator: NCDOT Parcel #68 US1 & Special Forces Way, Hoffman, NC 28347 | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US 1 & Special Forces Way, Hoffman, NC 28347 |
| Truck #: <i>ET02</i> | Gross Weight: <i>69960</i> |
| <i>EARTHtec</i> | Tare Weight: <i>26240</i> |
| | Net Weight: <i>43720</i> |
| | <i>21.86 tons</i> |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jessica Dehart ACTING AGENT FOR NCDOT *3/18/08*
 Generator / Agent Signature Title Date
 Acknowledgment of Receipt of Material: *Adolphus Headen* *3/19/08*
 Drivers Signature Date

Noted Discrepancies:

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: *Adolphus Headen* Date: *3-18-08*

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415

**NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008
 ADOLPHUS HEADEN 31784
 INVALID UNLESS SIGNED**

6 ID. NO.

79340 1b GR
 29620 1b TR RECALLED
 49720 1b NT

03/19/08 10:20am

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: Soil Solutions, Inc. 1703 Vargrave Street, Winston Salem, NC | Contact: Tony Disher 336-725-5844 |
| Generator: NCDOT Parcel #68 US1 & Special Forces Way, Hoffman, NC 28347 | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US 1 & Special Forces Way, Hoffman, NC 28347 |
| Truck #: E-6 TR-1 | Gross Weight: 79340 |
| | Tare Weight: 29620 |
| | Net Weight: 49720 |
| | 24.86 tons |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Joseph Shaut ACTING AGENT FOR NCDOT 3/18/08
 Generator / Agent Signature Title Date
 Acknowledgment of Receipt of Material: Willie Monroe 3-19-08
 Drivers Signature Date

Noted Discrepancies: _____

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: Adolphus Headen Date 3-19-08

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415

**NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2006
 ADOLPHUS HEADEN 31794**
INVALID UNLESS SIGNED

3 ID. NO.

62540 1b GR
 26240 1b TR RECALLED
 36300 1b NT

03/19/08 01:10PM

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: Soil Solutions, Inc. 1703 Vargrave Street, Winston Salem, NC | Contact: Tony Disher 336-725-5844 |
| Generator: NCDOT Parcel #68 US1 & Special Forces Way, Hoffman, NC 28347 | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US 1 & Special Forces Way, Hoffman, NC 28347 |
| Truck #: Etoz | Gross Weight: 62540 |
| Earthtec | Tare Weight: 26240 |
| | Net Weight: 36300 |
| | 18.15 tons |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jessica Dehart ACTING AGENT FOR NCDOT 3/19/08
 Generator / Agent Signature Title Date
 Acknowledgment of Receipt of Material: Stephen B Rogers 3/19/08
 Drivers Signature Date

Noted Discrepancies: _____

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: Adolphus Headen Date 3-19-08

The Office of NC, Inc.
 Post Office Box 130
 Sanford, NC 27581
 Phone #: 919-774-4517
 Fax #: 919-774-4415

**NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008**
ADOLPHUS HEADEN *AK* 31704
INVALID UNLESS SIGNED

1 ID. NO.

71060 1b GR
 28860 1b TR RECALLED
 42200 1b NT

03/19/08 01:13PM

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: SOIL SOLUTIONS INC 1703 VARGRAVE ST., WINSTON-SALEM NC | Contact: TONY DISHER 336-725-5844 |
| Generator: NCCDOT PARCEL #68 US1 + SPECIAL FORCES WAY HOFFMAN, NC 28347 | Contact: CYRUS PARKER Phone: 919-250-4088 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Resser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: |
| Truck #: EU-0001 | Gross Weight: 71060 |
| | Tare Weight: 28860 |
| | Net Weight: 42200 |
| | 21.10 tons |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Justice Akart ACTING AGENT FOR NCCDOT 3/19/08
 Consultant / Agent Signature Date
 Acknowledgment of Receipt of Material: *Richard Blakey* 3-19-08
 Drivers Signature Date

Noted Discrepancies:

Inspected & Accepted (except as noted above) By: **Earthtec Environmental, Inc.**

Accepted By: *Adolphus Headen* Date: **3-19-08**

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415

**NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008
 ADOLPHUS HEADEN 31794
 INVALID UNLESS SIGNED**

2 ID. NO.

67660 1b GR
 24980 1b TR RECALLED
 42680 1b NT

03/19/08 12:57PM

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: Soil Solutions, Inc. 1703 Vargrave Street, Winston Salem, NC | Contact: Tony Disher 336-725-5844 |
| Generator: NCDOT Parcel #68 US1 & Special Forces Way, Hoffman, NC 28347 | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US 1 & Special Forces Way, Hoffman, NC 28347 |
| Truck #: <u>ET01</u> | Gross Weight: <u>67660</u> |
| <u>Earthtec</u> | Tare Weight: <u>24980</u> |
| | Net Weight: <u>42680</u> |
| | <u>21.34 tons</u> |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jessica Ohart ACTING AGENT FOR NCDOT 3/19/08
 Generator / Agent Signature Title Date
 Acknowledgment of Receipt of Material: Jerry L Cheatham 3/19/08
 Driver's Signature Date
 Noted Discrepancies:
 Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.
 Accepted By: Adolphus Headen Date: 3-19-08

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415

**NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008**
 ADOLPHUS HEADEN *[Signature]* 91794

144 ID. NO.
 87080 1b GR
 03/19/08 10:52am
 144 ID. NO.

87080 1b GR RECALLED
 34040 1b TR
 53040 1b NT

INVALID UNLESS SIGNED

NON-HAZARDOUS WASTE MANIFEST 03/19/08 11:03am

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: Soil Solutions, Inc. 1703 Vargrave Street, Winston Salem, NC | Contact: Tony Disher 336-725-5844 |
| Generator: NCDOT Parcel #68 US1 & Special Forces Way, Hoffman, NC 28347 | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: <i>Soil Solutions Inc</i> | Contact: <i>Tony Disher</i> Phone <i>336-725-5844</i> |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US 1 & Special Forces Way, Hoffman, NC 28347 |
| Truck #: <i>55207</i> | Gross Weight: <i>87080</i> |
| | Tare Weight: <i>34040</i> |
| | Net Weight: <i>53040</i> |
| | <i>26.52 tons</i> |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jessica Dehart ACTING AGENT FOR NCDOT 3/19/08
 Generator / Agent Signature Title Date
 Acknowledgment of Receipt of Material: *[Signature]* 3/19/08
 Drivers Signature Date

Noted Discrepancies:

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: *Adolphus Headen* Date: *3-19-08*

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415

NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008
 JESSIE GODFREY 31795
 INVALID UNLESS SIGNED

6 ID. NO.

72260 1b GR
 29620 1b TR RECALLED
 42640 1b NT

03/19/08 03:24PM

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: Soil Solutions, Inc. 1705 Vinyard St. Winston-Salem NC | Contact: Tony Distler 336-725-5844 |
| Generator: NCDOT-Parcel 68 US 1 + Special Forces Way, Hoffman NC | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: | Contact: Phone |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: |
| Truck #: E7-6 TR-1 | Gross Weight: 72260 |
| | Tare Weight: 29620 |
| | Net Weight: 42640 |
| | TONS 21.32 |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

_____ Acting Agent for NCDOT 3/19/08
 Generator / Agent Signature Title Date

 Acknowledgment of Receipt of Material: Willie Monroe 3-19-08
 Drivers Signature Date

Noted Discrepancies: _____
 Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: _____ Date: 3-19-08

TD
6

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415

NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008
 JESSIE GODFREY 31795
 INVALID UNLESS SIGNED

3 ID. NO.


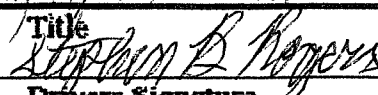
60620 1b GR
 26240 1b TR RECALLED
 34380 1b NT

03/19/08 03:44PM

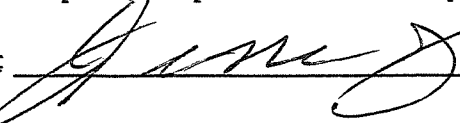
NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: Soil Solutions Inc 1703 Virginia St. Winston-Salem | Contact: Tony Dishar 336-775-5844 |
| Generator: NCDOT - Parcel 68 US 1 + Special Forces Way Hoffman NC | Contact: Cyrus Fisher Phone: 919-250-4088 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US 1 + Special Forces Way Hoffman NC |
| Truck #: E107 Earthtec | Gross Weight: 60620 Tare Weight: 26240 Net Weight: 34380 Tons 17.19 |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

 Acting Agent for NCDOT 3/19/08
 Generator / Agent Signature Title Date
 Acknowledgment of Receipt of Material:  3/19/08
 Drivers Signature Date

Noted Discrepancies: _____
 Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By:  Date: 3-19-08

FD
3

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415

NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LIC/NSE EXPIRES JUNE 30, 2008
 JESSIE GODFREY 21/795
 INVALID UNLESS SIGNED

1 ID. NO.

72860 1b GR
 28860 1b TR RECALLED
 44000 1b NT

03/19/08 03:36PM

NON-HAZARDOUS WASTE MANIFEST

| | |
|---|--|
| Project Number: 031811 | Load Number: |
| Consultant: Soil Solutions, Inc. 1703 Vantage St Winston Salem NC | Contact: Tony Dister 336-725-5844 |
| Generator: NEDOT - Parcel 68 VSI + Special forces way Hatteras NC | Contact: Lynn Parker Phone: 919-250-4688 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: VSI + Special forces way Hatteras NC |
| Truck #: EV-0003 | Gross Weight: 72860 |
| | Tare Weight: 28860 |
| | Net Weight: 44000 |
| | TONS 22.000 |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

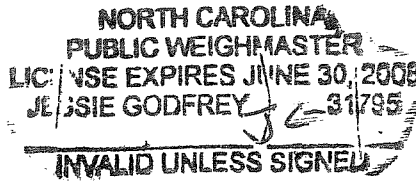
[Signature] Acting Agent for NEDOT 3/19/08
Generator / Agent Signature Title Date
Acknowledgment of Receipt of Material: [Signature] 3-19-08
 Drivers Signature Date

Noted Discrepancies: _____

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: [Signature] **Date:** 3-19-08

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415



2 ID. NO.

73620 1b GR
 24980 1b TR RECALLED
 48640 1b NT

03/19/08 03:40pm

NON-HAZARDOUS WASTE MANIFEST

| | |
|---|--|
| Project Number: 030811 | Load Number: |
| Consultant: Soil Solutions 1703 Vangrave St. Winston Salem NC | Contact: Terry Disher 336-725-5844 |
| Generator: NCDOT Parcel 68 VS 1 + Special Forces Way Hickman NC | Contact: Cyrus Parker Phone: 919-250-4188 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: VS 1 + Special Forces Way Hickman NC 28347 |
| Truck #: ET01 | Gross Weight: 73620 |
| Earthtec | Tare Weight: 24980 |
| | Net Weight: 48640 |
| | TONS 24.32 |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Alan Rhoads Acting Agent for NCDOT 3/19/08
Generator / Agent Signature **Title** **Date**
Jerry L. Cheatham 3/19/08
Acknowledgment of Receipt of Material: **Driver's Signature** **Date**

Noted Discrepancies: _____

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.)

Accepted By: [Signature] **Date:** 3-19-08

FD
2

Earthtec of NC, Inc.
 Post Office Box 150
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415

NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008
 JOE F. HOOPER 31798

1 ID. NO.

75960 1b GR
 28860 1b TR RECALLED
 47100 1b NT

INVALID UNLESS SIGNED

03/20/08 08:44am

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|---|
| Project Number: 030811 | Load Number: |
| Consultant: SOIL SOLUTIONS/NC 1703 VARGRAVEST WINSTON SALEM NC | Contact: TONY DISCHER 330-725-5844 |
| Generator: NCOOT PARCEL 08 USI & SPECIAL FORCES WAY HOFFMAN NC | Contact: CYRUS PARKER |
| Transporter: | Phone: 919-250-4088 |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller |
| Waste Description: | Phone: 919-774-4517 or 919-770-4258 |
| Truck #: EV-007 | Waste Origination: |
| | Gross Weight: 75960 |
| | Tare Weight: 28860 |
| | Net Weight: 47100 |
| | 23.55 tons |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Quiana Dehart ACTING AGENT FOR NCOOT **3/20/08**
 Generator / Agent Signature Title Date
Richard Blakely **3-20-08**
 Acknowledgment of Receipt of Material: Drivers Signature Date

Noted Discrepancies:

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: **Frankie Hadden** Date: **3-20-08**

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415

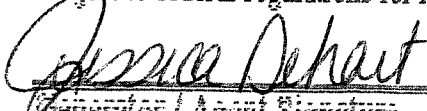

NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008
 JESSIE GODFREY 3/17/95
 1 ID. NO.
 74740 1b GR
 28860 1b TR RECALLED
 45880 1b NT

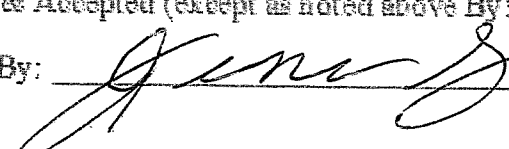
03/20/08 11:08am

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: Soil Solutions, Inc. 1703 Vargrave Street, Winston Salem, NC | Contact: Tony Disher 336-725-5844 |
| Generator: NCDOT Parcel #68 US1 & Special Forces Way, Hoffman, NC 28347 | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US I & Special Forces Way, Hoffman, NC 28347 |
| Truck #: EV-007 | Gross Weight: 74740 |
| | Tare Weight: 28860 |
| | Net Weight: 45880 |
| | TOTALS 2294 |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

 Generator / Agent Signature Title Date
 Acknowledgment of Receipt of Material: Drivers Signature Date
 Noted Discrepancies:
 Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.
 Accepted By:  Date: 3-20-08

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415

NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008
 JESSIE GODFREY
 3/19/95
 INVALID UNLESS SIGNED

1 ID. NO.

81240 lb GR
 28860 lb TR RECALLED
 52380 lb NT

03/20/08 01:47PM

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: Soil Solutions, Inc. 1703 Vargrave Street, Winston Salem, NC | Contact: Tony Disher 336-725-5844 |
| Generator: NCDOT Parcel #68 US 1 & Special Forces Way, Hoffman, NC 28347 | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US 1 & Special Forces Way, Hoffman, NC 28347 |
| Truck #: EV-007 | Gross Weight: 81240 |
| | Tare Weight: 28860 |
| | Net Weight: 52380 |
| | Tons 26.19 |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jessie Dehart ACTING AGENT FOR NCDOT 3/20/08
 Generator / Agent Signature Title Date
 Acknowledgment of Receipt of Material: Richard Blakely 3-20-08
 Drivers Signature Date

Noted Discrepancies: _____
 Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: [Signature] Date: 3.20.08

FD
1

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415

NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008
 JESSIE GODFREY 31795
 INVALID UNLESS SIGNED

3 ID. NO.

66060 1b GR
 26240 1b TR RECALLED
 39820 1b NT

03/20/08 03:53pm

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: Soil Solutions, Inc. 1703 Vargrave Street, Winston Salem, NC | Contact: Tony Disher 336-725-5844 |
| Generator: NCDOT Parcel #68 USI & Special Forces Way, Hoffman, NC 28347 | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US I & Special Forces Way, Hoffman, NC 28347 |
| Truck #: E702 | Gross Weight: 66060 |
| Earthtec | Tare Weight: 26240 |
| | Net Weight: 39820 |
| | TANKS 19.91 |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jessie Dehaut ACTING AGENT FOR NCDOT 3/20/08
 Generator / Agent Signature Title Date
 Acknowledgment of Receipt of Material: Stephen B Rogers 3/20/08
 Drivers Signature Date

Noted Discrepancies: _____

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: Jessie Dehaut Date: 3-20-08

NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008
 JESSIE GODFREY 31/93
 INVALID UNLESS SIGNED

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415

3 ID. NO.

66080 1b GR
 26240 1b TR RECALLED
 39840 1b NT

03/20/08 12:44pm

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: Soil Solutions, Inc. 1703 Vargrave Street, Winston Salem, NC | Contact: Tony Disher 336-725-5844 |
| Generator: NCDOT Parcel #68 USI & Special Forces Way, Hoffman, NC 28347 | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US I & Special Forces Way, Hoffman, NC 28347 |
| Truck #: E+02 | Gross Weight: 66080 |
| Earthtec | Tare Weight: 26240 |
| | Net Weight: 39840 |
| | TONS 19.92 |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jessie Godfrey ACTING AGENT FOR NCDOT 3/20/08
 Generator / Agent Signature Title Date
 Acknowledgment of Receipt of Material: Stephen B. Rogers 3/20/08
 Drivers Signature Date

Noted Discrepancies:

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: [Signature] Date: 3-20-08

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415

NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LIC: JSE EXPIRES JUNE 30, 2008
 JE/SIE GODFREY
 31/95
 INVALID UNLESS SIGNED

2 ID. NO.

72380 lb GR
 24980 lb TR REDALLED
 47400 lb NT

03/20/08 12:38pm

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: Soil Solutions, Inc. 1703 Vargrave Street, Winston Salem, NC | Contact: Tony Disher 336-725-5844 |
| Generator: NCDOT Parcel #68 US 1 & Special Forces Way, Hoffman, NC 28347 | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US 1 & Special Forces Way, Hoffman, NC 28347 |
| Truck #: ET01 | Gross Weight: 72380 |
| Earthtec | Tare Weight: 24980 |
| | Net Weight: 47400 |
| | Tons 23.70 |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jessica Disher ACTING AGENT FOR NCDOT 3/20/08
 Generator / Agent Signature Title Date
 Acknowledgment of Receipt of Material: Serry Z. Deethan 3-20-08
 Drivers Signature Date

Noted Discrepancies:

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: [Signature] Date: 3-20-08

Earthtec, Inc.
 Post Office Box 130
 Sanford, NC 28581
 Phone #: 919-774-4517
 Fax #: 919-774-6411

NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008
 JESSIE GODFREY 31795
 INVALID UNLESS SIGNED

2 ID. NO.

58260 1b GR
 24980 1b TR RECALLED
 43280 1b NT

03/20/08 09:57am

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|---|
| Project Number: 030811 | Load Number: |
| Consultant: SOIL SOLUTIONS Inc 1703 VAREGRAVE ST WINSTON SALEM NC | Contact: TONY DISCHER 336-735-5344 |
| Generator: NCDOT PARCEL 6B US 14 SPECIAL FORCES WAY HOFFMAN, NC | Contact: CYRUS PARKER Phone: 919-250-4088 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origin: NCDOT PARCEL 6B US 14 SPECIAL FORCES WAY HOFFMAN NC |
| Truck #: ET01 | Gross Weight: 68220 ^{6.83} |
| Earthtec | Tare Weight: 24980 |
| | Net Weight: 43280 |
| | TONDS 21.64 |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jessica Dehart
 Generator / Agent Signature

ACTING AGENT FOR NCDOT
 Title

3/20/08
 Date

Acknowledgment of Receipt of Material:

Jerry Z. Heath
 Driver's Signature

3/20/08
 Date

Noted Discrepancies:

Inspected & Accepted (except as noted above) By: Earthtec Environmental, Inc.

Accepted By:

[Signature]

Date: 3-20-08

Earthtec of NC, Inc.
 Post Office Box 176
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6413

NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008
 JESSIE GODFREY 31795
 INVALID UNLESS SIGNED

3 ID. NO.

62500 lb GR
 26240 lb TR RECALLED
 36260 lb NT

03/20/08 09:51am

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Local Number: |
| Consultant: SOIL SOLUTIONS INC 1703 VARGRAVE ST. WINSTON SALEM, NC | Contact: TONY DISCHER 336-725-5844 |
| Generator: NCDOT PARCEL 608 USI & SPECIAL FORCES WAY HOFFMAN, NC | Contact: CYRUS PARKER Phone: 919-250-4088 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Reaser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4358 |
| Waste Description: | Waste Origination: |
| Truck #: E102 Earthtec | Gross Weight: 62500 Tare Weight: 26240 Net Weight: 36260 |
| | TONS 18.13 |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jessica Dehart ACTING AGENT FOR NCDOT 3/20/08
 Generator / Agent Signature Title Date
 Acknowledgment of Receipt of Material: Stephen B. Rogers 3/20/08
 Drivers Signature Date

Noted Discrepancies:

Inspected & Accepted (except as noted above) By: Earthtec Environmental, Inc.

Accepted By:

[Signature]

Date: 3-20-08

FD
3

Earthtec of NC, Inc.
 Post Office Box 130
 Sanford, NC 27331
 Phone #: 919-774-4517
 Fax #: 919-774-6415

NORTH CAROLINA
 PUBLIC WEIGHMASTER
 LICENSE EXPIRES JUNE 30, 2008
 JESSIE GODFREY 3/17/95
 INVALID UNLESS SIGNED

2 ID. NO.

67980 lb GR
 24980 lb TR RECALLED
 43000 lb NT

03/21/08 06:28am

NON-HAZARDOUS WASTE MANIFEST

| | |
|--|--|
| Project Number: 030811 | Load Number: |
| Consultant: Soil Solutions, Inc. 1703 Vargrave Street, Winston Salem, NC | Contact: Tony Disher 336-725-5844 |
| Generator: NCDOT Parcel #68 US1 & Special Forces Way, Hoffman, NC 28347 | Contact: Cyrus Parker Phone: 919-250-4088 |
| Transporter: | Contact: Phone: |
| Destination: Earthtec Environmental, Inc 3145 Resser Road, Bear Creek, NC 27207 | Contact: Scott Keller Phone: 919-774-4517 or 919-770-4258 |
| Waste Description: | Waste Origination: US 1 & Special Forces Way, Hoffman, NC 28347 |
| Truck #: E701 | Gross Weight: 67980 |
| Earthtec | Tare Weight: 24980 |
| | Net Weight: 43000 |
| | TONS 21.50 |

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jessie Disher ACTING AGENT FOR NCDOT 3/20/08
 Generator / Agent Signature Title Date
 Acknowledgment of Receipt of Material: Jimmy L. Chestnut 3/20/08
 Driver's Signature Date

Noted Discrepancies: _____

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: [Signature] Date: 3-21-08

APPENDIX D

**LABORATORY ANALYTICAL REPORT AND
CHAIN-OF-CUSTODY FORMS**

Date: 04/15/08
Company: N. C. Department of Transportation
Contact: Jessica Dehart
Address: c/o Solution - IES
1101 Nowell Road
Raleigh, NC 27607

Client Project ID: NCDOT Parcel 68
Prism COC Group No: G0308735
Collection Date(s): 3/18/08 thru 3/20/08
Lab Submittal Date(s): 03/21/08

Client Project Name Or No: Richmond Co. WBS# 34438.1.1

This data package contains the analytical results for the project identified above and includes a Case Narrative, Laboratory Report and Quality Control Data totaling 95 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 Q31404 MSD Phenol: RPD value outside the control limits.

Analysis Note for Q31414 MS Diesel Range Organics (DRO): MS recovery outside of the control limits. Matrix interference is suspected due to high diesel content of spiked sample.

Analysis Note for Q31414 MSD Diesel Range Organics (DRO): MSD recovery outside the control limits.

Volatile Analysis

No Anomalies Reported

Metals Analysis

N/A

Wet Lab and Micro Analysis

N/A

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

Date Reviewed by: Paula A. Gilleland

Project Manager: Angela D. Overcash

Signature: *Paula A. Gilleland*

Signature: *Paula A. Gilleland for Angela Overcash*

Review Date: 04/15/08

Approval Date: 04/15/08

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.

M: A matrix effect is present.

Notes: This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc. The results in this report relate only to the samples submitted for analysis.



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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-E1
 Prism Sample ID: 209576
 COC Group: G0308735
 Time Collected: 03/19/08 10:00
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|---------|-----------------|----------|--------------------|---------|----------|
| Percent Solids Determination | | | | | | | | | |
| Percent Solids | 85.6 | % | | | 1 | SM2540 G | 03/26/08 14:40 | mbarber | |
| Sample Weight Determination | | | | | | | | | |
| Weight Bisulfate 1 | 7.03 | g | | | 1 | 5035 | 03/26/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 7.16 | g | | | 1 | 5035 | 03/26/08 0:00 | lbrown | |
| Weight Methanol | 6.37 | g | | | 1 | 5035 | 03/26/08 0:00 | lbrown | |
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0042 | 0.00049 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0042 | 0.0003 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0042 | 0.00044 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0042 | 0.00047 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0042 | 0.00071 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0042 | 0.00049 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0042 | 0.00047 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0042 | 0.00056 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0042 | 0.00054 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0042 | 0.00021 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0042 | 0.00052 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0042 | 0.00027 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0042 | 0.00047 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0042 | 0.0010 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.0042 | 0.00035 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0042 | 0.00027 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0042 | 0.00017 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0042 | 0.00053 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0042 | 0.0006 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0042 | 0.00023 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |

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

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



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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-E1
 Prism Sample ID: 209576
 COC Group: G0308735
 Time Collected: 03/19/08 10:00
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|---------|----------|
| 2-Hexanone | BRL | mg/kg | 0.042 | 0.0036 | 1 | 8260B | 03/29/08 14:32 | Iwity | Q31336 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0042 | 0.00031 | 1 | 8260B | 03/29/08 14:32 | Iwity | Q31336 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.042 | 0.0043 | 1 | 8260B | 03/29/08 14:32 | Iwity | Q31336 |
| Acetone | BRL | mg/kg | 0.042 | 0.012 | 1 | 8260B | 03/29/08 14:32 | Iwity | Q31336 |
| Benzene | BRL | mg/kg | 0.0025 | 0.00035 | 1 | 8260B | 03/29/08 14:32 | Iwity | Q31336 |
| Bromobenzene | BRL | mg/kg | 0.0042 | 0.00053 | 1 | 8260B | 03/29/08 14:32 | Iwity | Q31336 |
| Bromochloromethane | BRL | mg/kg | 0.0042 | 0.00034 | 1 | 8260B | 03/29/08 14:32 | Iwity | Q31336 |
| Bromodichloromethane | BRL | mg/kg | 0.0042 | 0.00045 | 1 | 8260B | 03/29/08 14:32 | Iwity | Q31336 |
| Bromoform | BRL | mg/kg | 0.0042 | 0.00037 | 1 | 8260B | 03/29/08 14:32 | Iwity | Q31336 |
| Bromomethane | BRL | mg/kg | 0.0083 | 0.00093 | 1 | 8260B | 03/29/08 14:32 | Iwity | Q31336 |
| Carbon tetrachloride | BRL | mg/kg | 0.0042 | 0.00027 | 1 | 8260B | 03/29/08 14:32 | Iwity | Q31336 |
| Chlorobenzene | BRL | mg/kg | 0.0042 | 0.00042 | 1 | 8260B | 03/29/08 14:32 | Iwity | Q31336 |
| Chlorodibromomethane | BRL | mg/kg | 0.0042 | 0.00038 | 1 | 8260B | 03/29/08 14:32 | Iwity | Q31336 |
| Chloroethane | BRL | mg/kg | 0.0083 | 0.0014 | 1 | 8260B | 03/29/08 14:32 | Iwity | Q31336 |
| Chloroform | BRL | mg/kg | 0.0042 | 0.00069 | 1 | 8260B | 03/29/08 14:32 | Iwity | Q31336 |
| Chloromethane | BRL | mg/kg | 0.0042 | 0.0010 | 1 | 8260B | 03/29/08 14:32 | Iwity | Q31336 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0042 | 0.00066 | 1 | 8260B | 03/29/08 14:32 | Iwity | Q31336 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0042 | 0.00055 | 1 | 8260B | 03/29/08 14:32 | Iwity | Q31336 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0042 | 0.0011 | 1 | 8260B | 03/29/08 14:32 | Iwity | Q31336 |
| Ethylbenzene | BRL | mg/kg | 0.0042 | 0.00019 | 1 | 8260B | 03/29/08 14:32 | Iwity | Q31336 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0042 | 0.00038 | 1 | 8260B | 03/29/08 14:32 | Iwity | Q31336 |
| Isopropylbenzene | BRL | mg/kg | 0.0042 | 0.00024 | 1 | 8260B | 03/29/08 14:32 | Iwity | Q31336 |
| m,p-Xylenes | BRL | mg/kg | 0.0083 | 0.00068 | 1 | 8260B | 03/29/08 14:32 | Iwity | Q31336 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.083 | 0.012 | 1 | 8260B | 03/29/08 14:32 | Iwity | Q31336 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.0083 | 0.00035 | 1 | 8260B | 03/29/08 14:32 | Iwity | Q31336 |
| Methylene chloride | BRL | mg/kg | 0.0042 | 0.00068 | 1 | 8260B | 03/29/08 14:32 | Iwity | Q31336 |
| n-Butylbenzene | BRL | mg/kg | 0.0042 | 0.0003 | 1 | 8260B | 03/29/08 14:32 | Iwity | Q31336 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-E1
 Prism Sample ID: 209576
 COC Group: G0308735
 Time Collected: 03/19/08 10:00
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|---------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0042 | 0.00027 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| Naphthalene | BRL | mg/kg | 0.0083 | 0.0005 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| o-Xylene | BRL | mg/kg | 0.0042 | 0.00017 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0042 | 0.00033 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| sec-Butylbenzene | BRL | mg/kg | 0.0042 | 0.00028 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| Styrene | BRL | mg/kg | 0.0042 | 0.00047 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| tert-Butylbenzene | BRL | mg/kg | 0.0042 | 0.00035 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| Tetrachloroethene | BRL | mg/kg | 0.0042 | 0.00037 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| Toluene | BRL | mg/kg | 0.0042 | 0.00031 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0042 | 0.00053 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0042 | 0.00049 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| Trichloroethene | BRL | mg/kg | 0.0042 | 0.00061 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0042 | 0.00074 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| Vinyl acetate | BRL | mg/kg | 0.021 | 0.0012 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |
| Vinyl chloride | BRL | mg/kg | 0.0042 | 0.00072 | 1 | 8260B | 03/29/08 14:32 | lwitry | Q31336 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 91 | 81 - 128 |
| Dibromofluoromethane | 105 | 67 - 143 |
| Bromofluorobenzene | 102 | 77 - 128 |

Semi-volatile Organic Compounds by GC/MS

| | | | | | | | | | |
|------------------------|-----|-------|------|-------|---|-------|---------------|-------------|--------|
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.39 | 0.043 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.39 | 0.043 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.39 | 0.038 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.39 | 0.047 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| 2,4,5-Trichlorophenol | BRL | mg/kg | 0.39 | 0.046 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| 2,4,6-Trichlorophenol | BRL | mg/kg | 0.39 | 0.042 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
Project ID: NCDOT Parcel 68
Project No.: WBS# 34438.1.1
Sample Matrix: Soil

Client Sample ID: 68-E1
Prism Sample ID: 209576
COC Group: G0308735
Time Collected: 03/19/08 10:00
Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|----------------------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| 2,4-Dichlorophenol | BRL | mg/kg | 0.39 | 0.026 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| 2,4-Dimethylphenol | BRL | mg/kg | 0.39 | 0.058 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| 2,4-Dinitrophenol | BRL | mg/kg | 2.0 | 0.11 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| 2,4-Dinitrotoluene | BRL | mg/kg | 0.39 | 0.051 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| 2,6-Dinitrotoluene | BRL | mg/kg | 0.39 | 0.070 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| 2-Chloronaphthalene | BRL | mg/kg | 0.39 | 0.049 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| 2-Chlorophenol | BRL | mg/kg | 0.39 | 0.016 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| 2-Methylnaphthalene | BRL | mg/kg | 0.39 | 0.044 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| 2-Methylphenol | BRL | mg/kg | 0.39 | 0.031 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| 2-Nitrophenol | BRL | mg/kg | 0.39 | 0.055 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| 3&4-Methylphenol | BRL | mg/kg | 0.39 | 0.046 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| 3,3'-Dichlorobenzidine | BRL | mg/kg | 0.78 | 0.071 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| 4,6-Dinitro-2-methylphenol | BRL | mg/kg | 2.0 | 0.033 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| 4-Bromophenylphenylether | BRL | mg/kg | 0.39 | 0.049 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| 4-Chloro-3-methylphenol | BRL | mg/kg | 0.78 | 0.046 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| 4-Chloroaniline | BRL | mg/kg | 0.39 | 0.029 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| 4-Chlorophenylphenylether | BRL | mg/kg | 0.39 | 0.049 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| 4-Nitrophenol | BRL | mg/kg | 2.0 | 0.050 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Acenaphthene | BRL | mg/kg | 0.39 | 0.053 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Acenaphthylene | BRL | mg/kg | 0.39 | 0.037 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Anthracene | BRL | mg/kg | 0.39 | 0.028 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Azobenzene | BRL | mg/kg | 2.0 | 0.057 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Benzo(a)anthracene | BRL | mg/kg | 0.39 | 0.044 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Benzo(a)pyrene | BRL | mg/kg | 0.39 | 0.049 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Benzo(b)fluoranthene | BRL | mg/kg | 0.39 | 0.080 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Benzo(g,h,i)perylene | BRL | mg/kg | 0.39 | 0.050 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Benzo(k)fluoranthene | BRL | mg/kg | 0.39 | 0.10 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |

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Page 4 of 73



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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-E1
 Prism Sample ID: 209576
 COC Group: G0308735
 Time Collected: 03/19/08 10:00
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| Benzoic acid | BRL | mg/kg | 2.0 | 0.17 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Benzyl alcohol | BRL | mg/kg | 0.78 | 0.031 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Bis(2-chloroethoxy)methane | BRL | mg/kg | 0.39 | 0.066 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Bis(2-chloroethyl)ether | BRL | mg/kg | 0.39 | 0.048 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Bis(2-chloroisopropyl)ether | BRL | mg/kg | 0.39 | 0.039 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Bis(2-ethylhexyl)phthalate | BRL | mg/kg | 0.39 | 0.030 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Butylbenzylphthalate | BRL | mg/kg | 0.39 | 0.048 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Chrysene | BRL | mg/kg | 0.39 | 0.026 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Di-n-butylphthalate | BRL | mg/kg | 0.39 | 0.063 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Di-n-octylphthalate | BRL | mg/kg | 0.39 | 0.11 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Dibenzo(a,h)anthracene | BRL | mg/kg | 0.39 | 0.036 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Dibenzofuran | BRL | mg/kg | 0.39 | 0.048 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Diethylphthalate | BRL | mg/kg | 0.39 | 0.10 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Dimethylphthalate | BRL | mg/kg | 0.39 | 0.058 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Fluoranthene | BRL | mg/kg | 0.39 | 0.069 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Fluorene | BRL | mg/kg | 0.39 | 0.056 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Hexachlorobenzene | BRL | mg/kg | 0.39 | 0.054 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Hexachlorobutadiene | BRL | mg/kg | 0.39 | 0.039 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Hexachlorocyclopentadiene | BRL | mg/kg | 0.39 | 0.058 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Hexachloroethane | BRL | mg/kg | 0.39 | 0.016 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Indeno(1,2,3-cd)pyrene | BRL | mg/kg | 0.39 | 0.037 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Isophorone | BRL | mg/kg | 0.39 | 0.037 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| N-Nitrosodi-n-propylamine | BRL | mg/kg | 0.39 | 0.023 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| N-Nitrosodiphenylamine | BRL | mg/kg | 0.39 | 0.057 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Naphthalene | BRL | mg/kg | 0.39 | 0.047 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Nitrobenzene | BRL | mg/kg | 0.39 | 0.049 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Pentachlorophenol | BRL | mg/kg | 2.0 | 0.060 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-E1
 Prism Sample ID: 209576
 COC Group: G0308735
 Time Collected: 03/19/08 10:00
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| Phenanthrene | BRL | mg/kg | 0.39 | 0.033 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Phenol | BRL | mg/kg | 0.39 | 0.069 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |
| Pyrene | BRL | mg/kg | 0.39 | 0.074 | 1 | 8270C | 04/02/08 0:37 | kcampigotto | Q31404 |

Sample Preparation: 29.64 g / 1 mL 3550B 04/01/08 8:00 pbarr P21213

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Terphenyl-d14 | 86 | 41 - 136 |
| Phenol-d5 | 52 | 13 - 95 |
| Nitrobenzene-d5 | 47 | 14 - 103 |
| 2-Fluorophenol | 40 | 14 - 89 |
| 2-Fluorobiphenyl | 51 | 21 - 108 |
| 2,4,6-Tribromophenol | 80 | 25 - 123 |

Extractable Petroleum Hydrocarbons by GC-FID

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--------------------|--------|-------|--------------|-----|-----------------|-----------|--------------------|--------------|----------|
| C11-C22 Aromatics | BRL | mg/kg | 11 | 2.0 | 1 | MADEP EPH | 04/05/08 1:41 | grappaccloli | Q31459 |
| C19-C36 Aliphatics | BRL | mg/kg | 11 | 1.6 | 1 | MADEP EPH | 04/05/08 0:49 | grappaccloli | Q31459 |
| C9-C18 Aliphatics | BRL | mg/kg | 11 | 1.0 | 1 | MADEP EPH | 04/05/08 0:49 | grappaccloli | Q31459 |

Sample Preparation: 10.17 g / 2 mL EPH 03/29/08 12:00 pbarr P21191

| Surrogate | % Recovery | Control Limits |
|---------------------|------------|----------------|
| o-Terphenyl | 109 | 40 - 140 |
| 2-Fluorobiphenyl | 93 | 40 - 140 |
| 2-Bromonaphthalene | 105 | 40 - 140 |
| 1-Chloro-octadecane | 88 | 40 - 140 |

Volatile Petroleum Hydrocarbons by GC-PID/FID

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-------------------|--------|-------|--------------|-------|-----------------|-----------|--------------------|----------|----------|
| C5-C8 Aliphatics | BRL | mg/kg | 5.8 | 1.1 | 1 | MADEP VPH | 04/02/08 23:53 | wbradley | Q31500 |
| C9-C10 Aromatics | BRL | mg/kg | 5.8 | 0.035 | 1 | MADEP VPH | 04/02/08 23:53 | wbradley | Q31500 |
| C9-C12 Aliphatics | BRL | mg/kg | 5.8 | 1.8 | 1 | MADEP VPH | 04/02/08 23:53 | wbradley | Q31500 |

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Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-E1
 Prism Sample ID: 209576
 COC Group: G0308735
 Time Collected: 03/19/08 10:00
 Time Submitted: 03/21/08 13:05

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

| Surrogate | % Recovery | Control Limits |
|------------------------|------------|----------------|
| 2,5-Dibromotoluene-PID | 110 | 70 - 130 |
| 2,5-Dibromotoluene-FID | 97 | 70 - 130 |

Sample Weight Determination

| | | | | | | | |
|----------|-------|---|--|---|-----------|---------------|--------|
| Weight 1 | 13.88 | g | | 1 | MADEP VPH | 03/26/08 0:00 | lbrown |
| Weight 2 | 13.67 | g | | 1 | MADEP VPH | 03/26/08 0:00 | lbrown |

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



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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-E2
 Prism Sample ID: 209577
 COC Group: G0308735
 Time Collected: 03/19/08 10:15
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|---------|-----------------|----------|--------------------|---------|----------|
| Percent Solids Determination | | | | | | | | | |
| Percent Solids | 83.9 | % | | | 1 | SM2540 G | 03/26/08 14:40 | mbarber | |
| Sample Weight Determination | | | | | | | | | |
| Weight Bisulfate 1 | 5.41 | g | | | 1 | 5035 | 03/26/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 5.95 | g | | | 1 | 5035 | 03/26/08 0:00 | lbrown | |
| Weight Methanol | 2.55 | g | | | 1 | 5035 | 03/26/08 0:00 | lbrown | |
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0050 | 0.00059 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0050 | 0.00036 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0050 | 0.00053 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0050 | 0.00057 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0050 | 0.00086 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0050 | 0.00059 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0050 | 0.00057 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0050 | 0.00067 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0050 | 0.00065 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0050 | 0.00025 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0050 | 0.00062 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0050 | 0.00032 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0050 | 0.00056 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0050 | 0.0012 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.0050 | 0.00042 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0050 | 0.00033 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0050 | 0.00021 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0050 | 0.00064 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0050 | 0.00072 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0050 | 0.00028 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-E2
 Prism Sample ID: 209577
 COC Group: G0308735
 Time Collected: 03/19/08 10:15
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|---------|----------|
| 2-Hexanone | BRL | mg/kg | 0.050 | 0.0043 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0050 | 0.00037 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.050 | 0.0052 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| Acetone | BRL | mg/kg | 0.050 | 0.015 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| Benzene | BRL | mg/kg | 0.0030 | 0.00042 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| Bromobenzene | BRL | mg/kg | 0.0050 | 0.00064 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| Bromochloromethane | BRL | mg/kg | 0.0050 | 0.00041 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| Bromodichloromethane | BRL | mg/kg | 0.0050 | 0.00054 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| Bromoform | BRL | mg/kg | 0.0050 | 0.00045 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| Bromomethane | BRL | mg/kg | 0.010 | 0.0011 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| Carbon tetrachloride | BRL | mg/kg | 0.0050 | 0.00033 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| Chlorobenzene | BRL | mg/kg | 0.0050 | 0.00051 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| Chlorodibromomethane | BRL | mg/kg | 0.0050 | 0.00046 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| Chloroethane | BRL | mg/kg | 0.010 | 0.0017 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| Chloroform | BRL | mg/kg | 0.0050 | 0.00083 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| Chloromethane | BRL | mg/kg | 0.0050 | 0.0012 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0050 | 0.0008 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0050 | 0.00066 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0050 | 0.0014 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| Ethylbenzene | BRL | mg/kg | 0.0050 | 0.00023 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0050 | 0.00046 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| Isopropylbenzene | BRL | mg/kg | 0.0050 | 0.00029 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| m,p-Xylenes | BRL | mg/kg | 0.010 | 0.00082 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.10 | 0.015 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.010 | 0.00042 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| Methylene chloride | BRL | mg/kg | 0.0050 | 0.00082 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| n-Butylbenzene | BRL | mg/kg | 0.0050 | 0.00036 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-E2
 Prism Sample ID: 209577
 COC Group: G0308735
 Time Collected: 03/19/08 10:15
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|---------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0050 | 0.00033 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| Naphthalene | BRL | mg/kg | 0.010 | 0.0006 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| o-Xylene | BRL | mg/kg | 0.0050 | 0.00021 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0050 | 0.0004 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| sec-Butylbenzene | BRL | mg/kg | 0.0050 | 0.00034 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| Styrene | BRL | mg/kg | 0.0050 | 0.00056 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| tert-Butylbenzene | BRL | mg/kg | 0.0050 | 0.00042 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| Tetrachloroethene | BRL | mg/kg | 0.0050 | 0.00045 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| Toluene | BRL | mg/kg | 0.0050 | 0.00037 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0050 | 0.00064 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0050 | 0.00059 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| Trichloroethene | BRL | mg/kg | 0.0050 | 0.00073 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0050 | 0.00089 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| Vinyl acetate | BRL | mg/kg | 0.025 | 0.0014 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |
| Vinyl chloride | BRL | mg/kg | 0.0050 | 0.00087 | 1 | 8260B | 03/30/08 23:16 | lwitry | Q31336 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 93 | 81 - 128 |
| Dibromofluoromethane | 111 | 67 - 143 |
| Bromofluorobenzene | 107 | 77 - 128 |

Semi-volatile Organic Compounds by GC/MS

| | | | | | | | | | |
|------------------------|-----|-------|------|-------|---|-------|---------------|-------------|--------|
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.39 | 0.043 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.39 | 0.043 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.39 | 0.038 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.39 | 0.047 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| 2,4,5-Trichlorophenol | BRL | mg/kg | 0.39 | 0.046 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| 2,4,6-Trichlorophenol | BRL | mg/kg | 0.39 | 0.042 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-E2
 Prism Sample ID: 209577
 COC Group: G0308735
 Time Collected: 03/19/08 10:15
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|----------------------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| 2,4-Dichlorophenol | BRL | mg/kg | 0.39 | 0.026 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| 2,4-Dimethylphenol | BRL | mg/kg | 0.39 | 0.058 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| 2,4-Dinitrophenol | BRL | mg/kg | 2.0 | 0.11 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| 2,4-Dinitrotoluene | BRL | mg/kg | 0.39 | 0.051 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| 2,6-Dinitrotoluene | BRL | mg/kg | 0.39 | 0.071 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| 2-Chloronaphthalene | BRL | mg/kg | 0.39 | 0.049 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| 2-Chlorophenol | BRL | mg/kg | 0.39 | 0.016 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| 2-Methylnaphthalene | BRL | mg/kg | 0.39 | 0.044 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| 2-Methylphenol | BRL | mg/kg | 0.39 | 0.032 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| 2-Nitrophenol | BRL | mg/kg | 0.39 | 0.055 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| 3&4-Methylphenol | BRL | mg/kg | 0.39 | 0.046 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| 3,3'-Dichlorobenzidine | BRL | mg/kg | 0.78 | 0.071 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| 4,6-Dinitro-2-methylphenol | BRL | mg/kg | 2.0 | 0.034 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| 4-Bromophenylphenylether | BRL | mg/kg | 0.39 | 0.049 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| 4-Chloro-3-methylphenol | BRL | mg/kg | 0.78 | 0.046 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| 4-Chloroaniline | BRL | mg/kg | 0.39 | 0.029 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| 4-Chlorophenylphenylether | BRL | mg/kg | 0.39 | 0.049 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| 4-Nitrophenol | BRL | mg/kg | 2.0 | 0.050 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Acenaphthene | BRL | mg/kg | 0.39 | 0.053 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Acenaphthylene | BRL | mg/kg | 0.39 | 0.037 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Anthracene | BRL | mg/kg | 0.39 | 0.028 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Azobenzene | BRL | mg/kg | 2.0 | 0.057 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Benzo(a)anthracene | BRL | mg/kg | 0.39 | 0.044 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Benzo(a)pyrene | BRL | mg/kg | 0.39 | 0.049 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Benzo(b)fluoranthene | BRL | mg/kg | 0.39 | 0.080 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Benzo(g,h,i)perylene | BRL | mg/kg | 0.39 | 0.050 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Benzo(k)fluoranthene | BRL | mg/kg | 0.39 | 0.10 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |

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Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-E2
 Prism Sample ID: 209577
 COC Group: G0308735
 Time Collected: 03/19/08 10:15
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| Benzoic acid | BRL | mg/kg | 2.0 | 0.17 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Benzyl alcohol | BRL | mg/kg | 0.78 | 0.031 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Bis(2-chloroethoxy)methane | BRL | mg/kg | 0.39 | 0.066 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Bis(2-chloroethyl)ether | BRL | mg/kg | 0.39 | 0.048 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Bis(2-chloroisopropyl)ether | BRL | mg/kg | 0.39 | 0.039 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Bis(2-ethylhexyl)phthalate | BRL | mg/kg | 0.39 | 0.030 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Butylbenzylphthalate | BRL | mg/kg | 0.39 | 0.048 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Chrysene | BRL | mg/kg | 0.39 | 0.026 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Di-n-butylphthalate | BRL | mg/kg | 0.39 | 0.063 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Di-n-octylphthalate | BRL | mg/kg | 0.39 | 0.11 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Dibenzo(a,h)anthracene | BRL | mg/kg | 0.39 | 0.037 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Dibenzofuran | BRL | mg/kg | 0.39 | 0.048 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Diethylphthalate | BRL | mg/kg | 0.39 | 0.10 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Dimethylphthalate | BRL | mg/kg | 0.39 | 0.058 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Fluoranthene | BRL | mg/kg | 0.39 | 0.069 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Fluorene | BRL | mg/kg | 0.39 | 0.056 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Hexachlorobenzene | BRL | mg/kg | 0.39 | 0.054 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Hexachlorobutadiene | BRL | mg/kg | 0.39 | 0.039 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Hexachlorocyclopentadiene | BRL | mg/kg | 0.39 | 0.058 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Hexachloroethane | BRL | mg/kg | 0.39 | 0.016 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Indeno(1,2,3-cd)pyrene | BRL | mg/kg | 0.39 | 0.037 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Isophorone | BRL | mg/kg | 0.39 | 0.037 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| N-Nitrosodi-n-propylamine | BRL | mg/kg | 0.39 | 0.023 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| N-Nitrosodiphenylamine | BRL | mg/kg | 0.39 | 0.057 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Naphthalene | BRL | mg/kg | 0.39 | 0.047 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Nitrobenzene | BRL | mg/kg | 0.39 | 0.049 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Pentachlorophenol | BRL | mg/kg | 2.0 | 0.060 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |

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Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-E2
 Prism Sample ID: 209577
 COC Group: G0308735
 Time Collected: 03/19/08 10:15
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| Phenanthrene | BRL | mg/kg | 0.39 | 0.033 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Phenol | BRL | mg/kg | 0.39 | 0.069 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |
| Pyrene | BRL | mg/kg | 0.39 | 0.075 | 1 | 8270C | 04/02/08 1:27 | kcampigotto | Q31404 |

Sample Preparation: 30.16 g / 1 mL 3550B 04/01/08 8:00 pbarr P21213

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Terphenyl-d14 | 84 | 41 - 136 |
| Phenol-d5 | 65 | 13 - 95 |
| Nitrobenzene-d5 | 63 | 14 - 103 |
| 2-Fluorophenol | 51 | 14 - 89 |
| 2-Fluorobiphenyl | 72 | 21 - 108 |
| 2,4,6-Tribromophenol | 84 | 25 - 123 |

Extractable Petroleum Hydrocarbons by GC-FID

| | | | | | | | | | |
|--------------------|-----|-------|----|-----|---|-----------|---------------|--------------|--------|
| C11-C22 Aromatics | BRL | mg/kg | 12 | 2.1 | 1 | MADEP EPH | 04/05/08 3:25 | grappaccioli | Q31459 |
| C19-C36 Aliphatics | BRL | mg/kg | 12 | 1.6 | 1 | MADEP EPH | 04/05/08 2:33 | grappaccioli | Q31459 |
| C9-C18 Aliphatics | BRL | mg/kg | 12 | 1.1 | 1 | MADEP EPH | 04/05/08 2:33 | grappaccioli | Q31459 |

Sample Preparation: 10.16 g / 2 mL EPH 03/29/08 12:00 pbarr P21191

| Surrogate | % Recovery | Control Limits |
|---------------------|------------|----------------|
| o-Terphenyl | 114 | 40 - 140 |
| 2-Fluorobiphenyl | 100 | 40 - 140 |
| 2-Bromonaphthalene | 112 | 40 - 140 |
| 1-Chloro-octadecane | 90 | 40 - 140 |

Volatile Petroleum Hydrocarbons by GC-PID/FID

| | | | | | | | | | |
|-------------------|-----|-------|-----|-------|---|-----------|----------------|----------|--------|
| C5-C8 Aliphatics | BRL | mg/kg | 6.0 | 1.1 | 1 | MADEP VPH | 04/03/08 10:01 | wbradley | Q31500 |
| C9-C10 Aromatics | BRL | mg/kg | 6.0 | 0.036 | 1 | MADEP VPH | 04/03/08 10:01 | wbradley | Q31500 |
| C9-C12 Aliphatics | BRL | mg/kg | 6.0 | 1.8 | 1 | MADEP VPH | 04/03/08 10:01 | wbradley | Q31500 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-E2
 Prism Sample ID: 209577
 COC Group: G0308735
 Time Collected: 03/19/08 10:15
 Time Submitted: 03/21/08 13:05

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

| Surrogate | % Recovery | Control Limits |
|------------------------|------------|----------------|
| 2,5-Dibromotoluene-PID | 103 | 70 - 130 |
| 2,5-Dibromotoluene-FID | 70 | 70 - 130 |

Sample Weight Determination

| | | | | | | | |
|----------|-------|---|--|---|-----------|---------------|--------|
| Weight 1 | 12.90 | g | | 1 | MADEP VPH | 03/26/08 0:00 | lbrown |
| Weight 2 | 12.98 | g | | 1 | MADEP VPH | 03/26/08 0:00 | lbrown |

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



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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-N1
 Prism Sample ID: 209578
 COC Group: G0308735
 Time Collected: 03/19/08 14:40
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|--------|-------|--------------|---------|-----------------|----------|--------------------|---------|----------|
| <u>Percent Solids Determination</u> | | | | | | | | | |
| Percent Solids | 89.4 | % | | | 1 | SM2540 G | 03/26/08 14:40 | mbarber | |
| <u>Sample Weight Determination</u> | | | | | | | | | |
| Weight Bisulfate 1 | 6.46 | g | | | 1 | 5035 | 03/26/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 6.11 | g | | | 1 | 5035 | 03/26/08 0:00 | lbrown | |
| Weight Methanol | 5.58 | g | | | 1 | 5035 | 03/26/08 0:00 | lbrown | |
| <u>Volatile Organic Compounds by GC/MS</u> | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0043 | 0.00051 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0043 | 0.00031 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0043 | 0.00046 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0043 | 0.00049 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0043 | 0.00074 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0043 | 0.00051 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0043 | 0.00049 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0043 | 0.00058 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0043 | 0.00056 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0043 | 0.00022 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0043 | 0.00054 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0043 | 0.00028 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0043 | 0.00048 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0043 | 0.0010 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.0043 | 0.00036 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0043 | 0.00029 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0043 | 0.00018 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0043 | 0.00055 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0043 | 0.00062 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0043 | 0.00024 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-N1
 Prism Sample ID: 209578
 COC Group: G0308735
 Time Collected: 03/19/08 14:40
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|---------|----------|
| 2-Hexanone | BRL | mg/kg | 0.043 | 0.0037 | 1 | 8260B | 03/29/08 16:00 | Iwity | Q31336 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0043 | 0.00032 | 1 | 8260B | 03/29/08 16:00 | Iwity | Q31336 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.043 | 0.0045 | 1 | 8260B | 03/29/08 16:00 | Iwity | Q31336 |
| Acetone | BRL | mg/kg | 0.043 | 0.013 | 1 | 8260B | 03/29/08 16:00 | Iwity | Q31336 |
| Benzene | BRL | mg/kg | 0.0026 | 0.00036 | 1 | 8260B | 03/29/08 16:00 | Iwity | Q31336 |
| Bromobenzene | BRL | mg/kg | 0.0043 | 0.00055 | 1 | 8260B | 03/29/08 16:00 | Iwity | Q31336 |
| Bromochloromethane | BRL | mg/kg | 0.0043 | 0.00035 | 1 | 8260B | 03/29/08 16:00 | Iwity | Q31336 |
| Bromodichloromethane | BRL | mg/kg | 0.0043 | 0.00047 | 1 | 8260B | 03/29/08 16:00 | Iwity | Q31336 |
| Bromoform | BRL | mg/kg | 0.0043 | 0.00039 | 1 | 8260B | 03/29/08 16:00 | Iwity | Q31336 |
| Bromomethane | BRL | mg/kg | 0.0087 | 0.00097 | 1 | 8260B | 03/29/08 16:00 | Iwity | Q31336 |
| Carbon tetrachloride | BRL | mg/kg | 0.0043 | 0.00029 | 1 | 8260B | 03/29/08 16:00 | Iwity | Q31336 |
| Chlorobenzene | BRL | mg/kg | 0.0043 | 0.00044 | 1 | 8260B | 03/29/08 16:00 | Iwity | Q31336 |
| Chlorodibromomethane | BRL | mg/kg | 0.0043 | 0.0004 | 1 | 8260B | 03/29/08 16:00 | Iwity | Q31336 |
| Chloroethane | BRL | mg/kg | 0.0087 | 0.0015 | 1 | 8260B | 03/29/08 16:00 | Iwity | Q31336 |
| Chloroform | BRL | mg/kg | 0.0043 | 0.00072 | 1 | 8260B | 03/29/08 16:00 | Iwity | Q31336 |
| Chloromethane | BRL | mg/kg | 0.0043 | 0.0010 | 1 | 8260B | 03/29/08 16:00 | Iwity | Q31336 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0043 | 0.00069 | 1 | 8260B | 03/29/08 16:00 | Iwity | Q31336 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0043 | 0.00057 | 1 | 8260B | 03/29/08 16:00 | Iwity | Q31336 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0043 | 0.0012 | 1 | 8260B | 03/29/08 16:00 | Iwity | Q31336 |
| Ethylbenzene | BRL | mg/kg | 0.0043 | 0.0002 | 1 | 8260B | 03/29/08 16:00 | Iwity | Q31336 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0043 | 0.0004 | 1 | 8260B | 03/29/08 16:00 | Iwity | Q31336 |
| Isopropylbenzene | BRL | mg/kg | 0.0043 | 0.00025 | 1 | 8260B | 03/29/08 16:00 | Iwity | Q31336 |
| m,p-Xylenes | BRL | mg/kg | 0.0087 | 0.00071 | 1 | 8260B | 03/29/08 16:00 | Iwity | Q31336 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.087 | 0.013 | 1 | 8260B | 03/29/08 16:00 | Iwity | Q31336 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.0087 | 0.00036 | 1 | 8260B | 03/29/08 16:00 | Iwity | Q31336 |
| Methylene chloride | BRL | mg/kg | 0.0043 | 0.00071 | 1 | 8260B | 03/29/08 16:00 | Iwity | Q31336 |
| n-Butylbenzene | BRL | mg/kg | 0.0043 | 0.00031 | 1 | 8260B | 03/29/08 16:00 | Iwity | Q31336 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-N1
 Prism Sample ID: 209578
 COC Group: G0308735
 Time Collected: 03/19/08 14:40
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|---------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0043 | 0.00029 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| Naphthalene | BRL | mg/kg | 0.0087 | 0.00052 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| o-Xylene | BRL | mg/kg | 0.0043 | 0.00018 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0043 | 0.00035 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| sec-Butylbenzene | BRL | mg/kg | 0.0043 | 0.00029 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| Styrene | BRL | mg/kg | 0.0043 | 0.00048 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| tert-Butylbenzene | BRL | mg/kg | 0.0043 | 0.00036 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| Tetrachloroethene | BRL | mg/kg | 0.0043 | 0.00039 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| Toluene | BRL | mg/kg | 0.0043 | 0.00032 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0043 | 0.00055 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0043 | 0.00051 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| Trichloroethene | BRL | mg/kg | 0.0043 | 0.00063 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0043 | 0.00077 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| Vinyl acetate | BRL | mg/kg | 0.022 | 0.0012 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |
| Vinyl chloride | BRL | mg/kg | 0.0043 | 0.00075 | 1 | 8260B | 03/29/08 16:00 | lwitry | Q31336 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 95 | 81 - 128 |
| Dibromofluoromethane | 107 | 67 - 143 |
| Bromofluorobenzene | 111 | 77 - 128 |

Semi-volatile Organic Compounds by GC/MS

| | | | | | | | | | |
|------------------------|-----|-------|------|-------|---|-------|----------------|-------------|--------|
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.36 | 0.040 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.36 | 0.040 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.36 | 0.035 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.36 | 0.043 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| 2,4,5-Trichlorophenol | BRL | mg/kg | 0.36 | 0.043 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| 2,4,6-Trichlorophenol | BRL | mg/kg | 0.36 | 0.039 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |

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NC Certification No. 402
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Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-N1
 Prism Sample ID: 209578
 COC Group: G0308735
 Time Collected: 03/19/08 14:40
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|----------------------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| 2,4-Dichlorophenol | BRL | mg/kg | 0.36 | 0.024 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| 2,4-Dimethylphenol | BRL | mg/kg | 0.36 | 0.054 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| 2,4-Dinitrophenol | BRL | mg/kg | 1.8 | 0.11 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| 2,4-Dinitrotoluene | BRL | mg/kg | 0.36 | 0.048 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| 2,6-Dinitrotoluene | BRL | mg/kg | 0.36 | 0.065 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| 2-Chloronaphthalene | BRL | mg/kg | 0.36 | 0.046 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| 2-Chlorophenol | BRL | mg/kg | 0.36 | 0.015 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| 2-Methylnaphthalene | BRL | mg/kg | 0.36 | 0.041 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| 2-Methylphenol | BRL | mg/kg | 0.36 | 0.029 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| 2-Nitrophenol | BRL | mg/kg | 0.36 | 0.051 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| 3&4-Methylphenol | BRL | mg/kg | 0.36 | 0.042 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| 3,3'-Dichlorobenzidine | BRL | mg/kg | 0.73 | 0.066 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| 4,6-Dinitro-2-methylphenol | BRL | mg/kg | 1.8 | 0.031 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| 4-Bromophenylphenylether | BRL | mg/kg | 0.36 | 0.045 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| 4-Chloro-3-methylphenol | BRL | mg/kg | 0.73 | 0.043 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| 4-Chloroaniline | BRL | mg/kg | 0.36 | 0.027 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| 4-Chlorophenylphenylether | BRL | mg/kg | 0.36 | 0.046 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| 4-Nitrophenol | BRL | mg/kg | 1.8 | 0.046 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Acenaphthene | BRL | mg/kg | 0.36 | 0.049 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Acenaphthylene | BRL | mg/kg | 0.36 | 0.034 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Anthracene | BRL | mg/kg | 0.36 | 0.026 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Azobenzene | BRL | mg/kg | 1.8 | 0.053 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Benzo(a)anthracene | BRL | mg/kg | 0.36 | 0.041 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Benzo(a)pyrene | BRL | mg/kg | 0.36 | 0.046 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Benzo(b)fluoranthene | BRL | mg/kg | 0.36 | 0.074 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Benzo(g,h,i)perylene | BRL | mg/kg | 0.36 | 0.046 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Benzo(k)fluoranthene | BRL | mg/kg | 0.36 | 0.097 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |

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Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-N1
 Prism Sample ID: 209578
 COC Group: G0308735
 Time Collected: 03/19/08 14:40
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| Benzoic acid | BRL | mg/kg | 1.8 | 0.15 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Benzyl alcohol | BRL | mg/kg | 0.73 | 0.029 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Bis(2-chloroethoxy)methane | BRL | mg/kg | 0.36 | 0.061 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Bis(2-chloroethyl)ether | BRL | mg/kg | 0.36 | 0.045 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Bis(2-chloroisopropyl)ether | BRL | mg/kg | 0.36 | 0.036 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Bis(2-ethylhexyl)phthalate | BRL | mg/kg | 0.36 | 0.028 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Butylbenzylphthalate | BRL | mg/kg | 0.36 | 0.045 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Chrysene | BRL | mg/kg | 0.36 | 0.024 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Di-n-butylphthalate | BRL | mg/kg | 0.36 | 0.058 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Di-n-octylphthalate | BRL | mg/kg | 0.36 | 0.10 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Dibenzo(a,h)anthracene | BRL | mg/kg | 0.36 | 0.034 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Dibenzofuran | BRL | mg/kg | 0.36 | 0.044 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Diethylphthalate | BRL | mg/kg | 0.36 | 0.094 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Dimethylphthalate | BRL | mg/kg | 0.36 | 0.054 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Fluoranthene | BRL | mg/kg | 0.36 | 0.064 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Fluorene | BRL | mg/kg | 0.36 | 0.052 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Hexachlorobenzene | BRL | mg/kg | 0.36 | 0.050 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Hexachlorobutadiene | BRL | mg/kg | 0.36 | 0.036 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Hexachlorocyclopentadiene | BRL | mg/kg | 0.36 | 0.054 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Hexachloroethane | BRL | mg/kg | 0.36 | 0.015 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Indeno(1,2,3-cd)pyrene | BRL | mg/kg | 0.36 | 0.034 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Isophorone | BRL | mg/kg | 0.36 | 0.035 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| N-Nitrosodi-n-propylamine | BRL | mg/kg | 0.36 | 0.021 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| N-Nitrosodiphenylamine | BRL | mg/kg | 0.36 | 0.053 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Naphthalene | BRL | mg/kg | 0.36 | 0.043 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Nitrobenzene | BRL | mg/kg | 0.36 | 0.046 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Pentachlorophenol | BRL | mg/kg | 1.8 | 0.055 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-N1
 Prism Sample ID: 209578
 COC Group: G0308735
 Time Collected: 03/19/08 14:40
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| Phenanthrene | BRL | mg/kg | 0.36 | 0.031 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Phenol | BRL | mg/kg | 0.36 | 0.064 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |
| Pyrene | BRL | mg/kg | 0.36 | 0.069 | 1 | 8270C | 04/01/08 17:14 | kcampigotto | Q31404 |

Sample Preparation: 30.49 g / 1 mL 3550B 04/01/08 8:00 pbarr P21213

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Terphenyl-d14 | 80 | 41 - 136 |
| Phenol-d5 | 64 | 13 - 95 |
| Nitrobenzene-d5 | 57 | 14 - 103 |
| 2-Fluorophenol | 49 | 14 - 89 |
| 2-Fluorobiphenyl | 73 | 21 - 108 |
| 2,4,6-Tribromophenol | 95 | 25 - 123 |

Extractable Petroleum Hydrocarbons by GC-FID

| | | | | | | | | | |
|--------------------|-----|-------|----|------|---|-----------|---------------|--------------|--------|
| C11-C22 Aromatics | BRL | mg/kg | 11 | 1.9 | 1 | MADEP EPH | 04/05/08 5:09 | grappaccioli | Q31459 |
| C19-C36 Aliphatics | BRL | mg/kg | 11 | 1.4 | 1 | MADEP EPH | 04/05/08 4:17 | grappaccioli | Q31459 |
| C9-C18 Aliphatics | BRL | mg/kg | 11 | 0.97 | 1 | MADEP EPH | 04/05/08 4:17 | grappaccioli | Q31459 |

Sample Preparation: 10.42 g / 2 mL EPH 03/29/08 12:00 pbarr P21191

| Surrogate | % Recovery | Control Limits |
|---------------------|------------|----------------|
| o-Terphenyl | 117 | 40 - 140 |
| 2-Fluorobiphenyl | 98 | 40 - 140 |
| 2-Bromonaphthalene | 62 | 40 - 140 |
| 1-Chloro-octadecane | 89 | 40 - 140 |

Volatile Petroleum Hydrocarbons by GC-PID/FID

| | | | | | | | | | |
|-------------------|-----|-------|-----|-------|---|-----------|----------------|----------|--------|
| C5-C8 Aliphatics | BRL | mg/kg | 5.6 | 1.1 | 1 | MADEP VPH | 04/03/08 10:44 | wbradley | Q31500 |
| C9-C10 Aromatics | BRL | mg/kg | 5.6 | 0.034 | 1 | MADEP VPH | 04/03/08 10:44 | wbradley | Q31500 |
| C9-C12 Aliphatics | BRL | mg/kg | 5.6 | 1.7 | 1 | MADEP VPH | 04/03/08 10:44 | wbradley | Q31500 |

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Page 20 of 73



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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-N1
 Prism Sample ID: 209578
 COC Group: G0308735
 Time Collected: 03/19/08 14:40
 Time Submitted: 03/21/08 13:05

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

| Surrogate | % Recovery | Control Limits |
|------------------------|------------|----------------|
| 2,5-Dibromotoluene-PID | 112 | 70 - 130 |
| 2,5-Dibromotoluene-FID | 87 | 70 - 130 |

Sample Weight Determination

| | | | | | | | |
|----------|-------|---|--|---|-----------|---------------|--------|
| Weight 1 | 13.42 | g | | 1 | MADEP VPH | 03/26/08 0:00 | lbrown |
| Weight 2 | 12.74 | g | | 1 | MADEP VPH | 03/26/08 0:00 | lbrown |

Sample Comment(s):

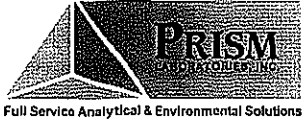
BRL = Below Reporting Limit

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



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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-N2
 Prism Sample ID: 209579
 COC Group: G0308735
 Time Collected: 03/19/08 14:45
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|---------|-----------------|----------|--------------------|---------|----------|
| Percent Solids Determination | | | | | | | | | |
| Percent Solids | 86.5 | % | | | 1 | SM2540 G | 03/26/08 14:40 | mbarber | |
| Sample Weight Determination | | | | | | | | | |
| Weight Bisulfate 1 | 6.76 | g | | | 1 | 5035 | 03/26/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 6.73 | g | | | 1 | 5035 | 03/26/08 0:00 | lbrown | |
| Weight Methanol | 6.18 | g | | | 1 | 5035 | 03/26/08 0:00 | lbrown | |
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0043 | 0.0005 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0043 | 0.00031 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0043 | 0.00045 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0043 | 0.00049 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0043 | 0.00074 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0043 | 0.0005 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0043 | 0.00049 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0043 | 0.00057 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0043 | 0.00056 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0043 | 0.00021 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0043 | 0.00053 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0043 | 0.00027 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0043 | 0.00048 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0043 | 0.0010 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.0043 | 0.00036 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0043 | 0.00028 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0043 | 0.00018 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0043 | 0.00055 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0043 | 0.00062 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0043 | 0.00024 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-N2
 Prism Sample ID: 209579
 COC Group: G0308735
 Time Collected: 03/19/08 14:45
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|---------|----------|
| 2-Hexanone | BRL | mg/kg | 0.043 | 0.0037 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0043 | 0.00032 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.043 | 0.0044 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| Acetone | BRL | mg/kg | 0.043 | 0.013 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| Benzene | BRL | mg/kg | 0.0026 | 0.00036 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| Bromobenzene | BRL | mg/kg | 0.0043 | 0.00055 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| Bromochloromethane | BRL | mg/kg | 0.0043 | 0.00035 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| Bromodichloromethane | BRL | mg/kg | 0.0043 | 0.00046 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| Bromoform | BRL | mg/kg | 0.0043 | 0.00038 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| Bromomethane | BRL | mg/kg | 0.0086 | 0.00096 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| Carbon tetrachloride | BRL | mg/kg | 0.0043 | 0.00028 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| Chlorobenzene | BRL | mg/kg | 0.0043 | 0.00044 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| Chlorodibromomethane | BRL | mg/kg | 0.0043 | 0.00039 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| Chloroethane | BRL | mg/kg | 0.0086 | 0.0014 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| Chloroform | BRL | mg/kg | 0.0043 | 0.00071 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| Chloromethane | BRL | mg/kg | 0.0043 | 0.0010 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0043 | 0.00068 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0043 | 0.00056 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0043 | 0.0012 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| Ethylbenzene | BRL | mg/kg | 0.0043 | 0.0002 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0043 | 0.00039 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| Isopropylbenzene | BRL | mg/kg | 0.0043 | 0.00025 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| m,p-Xylenes | BRL | mg/kg | 0.0086 | 0.0007 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.086 | 0.013 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.0086 | 0.00036 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| Methylene chloride | BRL | mg/kg | 0.0043 | 0.0007 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| n-Butylbenzene | BRL | mg/kg | 0.0043 | 0.00031 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |

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Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-N2
 Prism Sample ID: 209579
 COC Group: G0308735
 Time Collected: 03/19/08 14:45
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|---------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0043 | 0.00028 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| Naphthalene | BRL | mg/kg | 0.0086 | 0.00051 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| o-Xylene | BRL | mg/kg | 0.0043 | 0.00018 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0043 | 0.00034 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| sec-Butylbenzene | BRL | mg/kg | 0.0043 | 0.00029 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| Styrene | BRL | mg/kg | 0.0043 | 0.00048 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| tert-Butylbenzene | BRL | mg/kg | 0.0043 | 0.00036 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| Tetrachloroethene | BRL | mg/kg | 0.0043 | 0.00038 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| Toluene | BRL | mg/kg | 0.0043 | 0.00032 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0043 | 0.00055 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0043 | 0.0005 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| Trichloroethene | BRL | mg/kg | 0.0043 | 0.00062 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0043 | 0.00076 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| Vinyl acetate | BRL | mg/kg | 0.021 | 0.0012 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |
| Vinyl chloride | BRL | mg/kg | 0.0043 | 0.00074 | 1 | 8260B | 03/29/08 16:44 | lwitry | Q31336 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 93 | 81 - 128 |
| Dibromofluoromethane | 108 | 67 - 143 |
| Bromofluorobenzene | 108 | 77 - 128 |

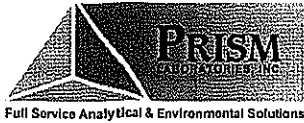
Semi-volatile Organic Compounds by GC/MS

| | | | | | | | | | |
|------------------------|-----|-------|------|-------|---|-------|---------------|-------------|--------|
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.39 | 0.043 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.39 | 0.043 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.39 | 0.037 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.39 | 0.046 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| 2,4,5-Trichlorophenol | BRL | mg/kg | 0.39 | 0.046 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| 2,4,6-Trichlorophenol | BRL | mg/kg | 0.39 | 0.042 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |

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Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-N2
 Prism Sample ID: 209579
 COC Group: G0308735
 Time Collected: 03/19/08 14:45
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|----------------------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| 2,4-Dichlorophenol | BRL | mg/kg | 0.39 | 0.025 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| 2,4-Dimethylphenol | BRL | mg/kg | 0.39 | 0.057 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| 2,4-Dinitrophenol | BRL | mg/kg | 1.9 | 0.11 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| 2,4-Dinitrotoluene | BRL | mg/kg | 0.39 | 0.051 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| 2,6-Dinitrotoluene | BRL | mg/kg | 0.39 | 0.070 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| 2-Chloronaphthalene | BRL | mg/kg | 0.39 | 0.048 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| 2-Chlorophenol | BRL | mg/kg | 0.39 | 0.016 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| 2-Methylnaphthalene | BRL | mg/kg | 0.39 | 0.043 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| 2-Methylphenol | BRL | mg/kg | 0.39 | 0.031 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| 2-Nitrophenol | BRL | mg/kg | 0.39 | 0.054 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| 3&4-Methylphenol | BRL | mg/kg | 0.39 | 0.045 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| 3,3'-Dichlorobenzidine | BRL | mg/kg | 0.77 | 0.070 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| 4,6-Dinitro-2-methylphenol | BRL | mg/kg | 1.9 | 0.033 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| 4-Bromophenylphenylether | BRL | mg/kg | 0.39 | 0.048 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| 4-Chloro-3-methylphenol | BRL | mg/kg | 0.77 | 0.046 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| 4-Chloroaniline | BRL | mg/kg | 0.39 | 0.029 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| 4-Chlorophenylphenylether | BRL | mg/kg | 0.39 | 0.049 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| 4-Nitrophenol | BRL | mg/kg | 1.9 | 0.049 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Acenaphthene | BRL | mg/kg | 0.39 | 0.052 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Acenaphthylene | BRL | mg/kg | 0.39 | 0.036 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Anthracene | BRL | mg/kg | 0.39 | 0.028 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Azobenzene | BRL | mg/kg | 1.9 | 0.056 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Benzo(a)anthracene | BRL | mg/kg | 0.39 | 0.044 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Benzo(a)pyrene | BRL | mg/kg | 0.39 | 0.049 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Benzo(b)fluoranthene | BRL | mg/kg | 0.39 | 0.079 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Benzo(g,h,i)perylene | BRL | mg/kg | 0.39 | 0.049 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Benzo(k)fluoranthene | BRL | mg/kg | 0.39 | 0.10 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-N2
 Prism Sample ID: 209579
 COC Group: G0308735
 Time Collected: 03/19/08 14:45
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| Benzoic acid | BRL | mg/kg | 1.9 | 0.16 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Benzyl alcohol | BRL | mg/kg | 0.77 | 0.031 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Bis(2-chloroethoxy)methane | BRL | mg/kg | 0.39 | 0.065 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Bis(2-chloroethyl)ether | BRL | mg/kg | 0.39 | 0.048 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Bis(2-chloroisopropyl)ether | BRL | mg/kg | 0.39 | 0.039 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Bis(2-ethylhexyl)phthalate | BRL | mg/kg | 0.39 | 0.030 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Butylbenzylphthalate | BRL | mg/kg | 0.39 | 0.048 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Chrysene | BRL | mg/kg | 0.39 | 0.026 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Di-n-butylphthalate | BRL | mg/kg | 0.39 | 0.062 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Di-n-octylphthalate | BRL | mg/kg | 0.39 | 0.11 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Dibenzo(a,h)anthracene | BRL | mg/kg | 0.39 | 0.036 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Dibenzofuran | BRL | mg/kg | 0.39 | 0.047 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Diethylphthalate | BRL | mg/kg | 0.39 | 0.10 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Dimethylphthalate | BRL | mg/kg | 0.39 | 0.057 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Fluoranthene | BRL | mg/kg | 0.39 | 0.068 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Fluorene | BRL | mg/kg | 0.39 | 0.055 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Hexachlorobenzene | BRL | mg/kg | 0.39 | 0.053 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Hexachlorobutadiene | BRL | mg/kg | 0.39 | 0.038 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Hexachlorocyclopentadiene | BRL | mg/kg | 0.39 | 0.057 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Hexachloroethane | BRL | mg/kg | 0.39 | 0.016 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Indeno(1,2,3-cd)pyrene | BRL | mg/kg | 0.39 | 0.037 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Isophorone | BRL | mg/kg | 0.39 | 0.037 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| N-Nitrosodi-n-propylamine | BRL | mg/kg | 0.39 | 0.022 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| N-Nitrosodiphenylamine | BRL | mg/kg | 0.39 | 0.056 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Naphthalene | BRL | mg/kg | 0.39 | 0.046 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Nitrobenzene | BRL | mg/kg | 0.39 | 0.048 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Pentachlorophenol | BRL | mg/kg | 1.9 | 0.059 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-N2
 Prism Sample ID: 209579
 COC Group: G0308735
 Time Collected: 03/19/08 14:45
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| Phenanthrene | BRL | mg/kg | 0.39 | 0.033 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Phenol | BRL | mg/kg | 0.39 | 0.068 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |
| Pyrene | BRL | mg/kg | 0.39 | 0.074 | 1 | 8270C | 04/02/08 3:25 | kcampigotto | Q31404 |

Sample Preparation: 29.64 g / 1 mL 3550B 04/01/08 8:00 pbarr P21213

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Terphenyl-d14 | 73 | 41 - 136 |
| Phenol-d5 | 39 | 13 - 95 |
| Nitrobenzene-d5 | 39 | 14 - 103 |
| 2-Fluorophenol | 34 | 14 - 89 |
| 2-Fluorobiphenyl | 41 | 21 - 108 |
| 2,4,6-Tribromophenol | 77 | 25 - 123 |

Extractable Petroleum Hydrocarbons by GC-FID

| | | | | | | | | | |
|--------------------|-----|-------|----|-----|---|-----------|---------------|-------------|--------|
| C11-C22 Aromatics | BRL | mg/kg | 12 | 2.0 | 1 | MADEP EPH | 04/05/08 6:00 | grappaccoli | Q31459 |
| C19-C36 Aliphatics | BRL | mg/kg | 12 | 1.6 | 1 | MADEP EPH | 04/05/08 6:00 | grappaccoli | Q31459 |
| C9-C18 Aliphatics | BRL | mg/kg | 12 | 1.0 | 1 | MADEP EPH | 04/05/08 6:00 | grappaccoli | Q31459 |

Sample Preparation: 9.93 g / 2 mL EPH 03/29/08 12:00 pbarr P21191

| Surrogate | % Recovery | Control Limits |
|---------------------|------------|----------------|
| o-Terphenyl | 97 | 40 - 140 |
| 2-Fluorobiphenyl | 89 | 40 - 140 |
| 2-Bromonaphthalene | 52 | 40 - 140 |
| 1-Chloro-octadecane | 98 | 40 - 140 |

Volatile Petroleum Hydrocarbons by GC-PID/FID

| | | | | | | | | | |
|-------------------|-----|-------|-----|-------|---|-----------|----------------|----------|--------|
| C5-C8 Aliphatics | BRL | mg/kg | 5.8 | 1.1 | 1 | MADEP VPH | 04/03/08 11:26 | wbradley | Q31500 |
| C9-C10 Aromatics | BRL | mg/kg | 5.8 | 0.035 | 1 | MADEP VPH | 04/03/08 11:26 | wbradley | Q31500 |
| C9-C12 Aliphatics | BRL | mg/kg | 5.8 | 1.8 | 1 | MADEP VPH | 04/03/08 11:26 | wbradley | Q31500 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-N2
 Prism Sample ID: 209579
 COC Group: G0308735
 Time Collected: 03/19/08 14:45
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------|--------|-------|--------------|-----|-----------------|--------|------------------------|-------------------|-----------------------|
| | | | | | | | Surrogate | % Recovery | Control Limits |
| | | | | | | | 2,5-Dibromotoluene-PID | 119 | 70 - 130 |
| | | | | | | | 2,5-Dibromotoluene-FID | 94 | 70 - 130 |

Sample Weight Determination

| | | | | | | | | | |
|----------|-------|---|--|--|---|-----------|---------------|--------|--|
| Weight 1 | 13.17 | g | | | 1 | MADEP VPH | 03/26/08 0:00 | lbrown | |
| Weight 2 | 13.37 | g | | | 1 | MADEP VPH | 03/26/08 0:00 | lbrown | |

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



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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-N3
 Prism Sample ID: 209580
 COC Group: G0308735
 Time Collected: 03/19/08 14:50
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|--------|-------|--------------|---------|-----------------|----------|--------------------|---------|----------|
| <u>Percent Solids Determination</u> | | | | | | | | | |
| Percent Solids | 85.4 | % | | | 1 | SM2540 G | 03/26/08 14:40 | mbarber | |
| <u>Sample Weight Determination</u> | | | | | | | | | |
| Weight Bisulfate 1 | 6.68 | g | | | 1 | 5035 | 03/26/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 6.72 | g | | | 1 | 5035 | 03/26/08 0:00 | lbrown | |
| Weight Methanol | 7.09 | g | | | 1 | 5035 | 03/26/08 0:00 | lbrown | |
| <u>Volatile Organic Compounds by GC/MS</u> | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0046 | 0.00054 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0046 | 0.00033 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0046 | 0.00048 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0046 | 0.00052 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0046 | 0.00079 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0046 | 0.00054 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0046 | 0.00052 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0046 | 0.00061 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0046 | 0.00059 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0046 | 0.00023 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0046 | 0.00057 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0046 | 0.00029 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0046 | 0.00051 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0046 | 0.0011 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.0046 | 0.00038 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0046 | 0.0003 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0046 | 0.00019 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0046 | 0.00059 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0046 | 0.00066 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0046 | 0.00026 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-N3
 Prism Sample ID: 209580
 COC Group: G0308735
 Time Collected: 03/19/08 14:50
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|---------|----------|
| 2-Hexanone | BRL | mg/kg | 0.046 | 0.0039 | 1 | 8260B | 03/29/08 17:29 | Iwity | Q31336 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0046 | 0.00034 | 1 | 8260B | 03/29/08 17:29 | Iwity | Q31336 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.046 | 0.0047 | 1 | 8260B | 03/29/08 17:29 | Iwity | Q31336 |
| Acetone | BRL | mg/kg | 0.046 | 0.014 | 1 | 8260B | 03/29/08 17:29 | Iwity | Q31336 |
| Benzene | BRL | mg/kg | 0.0027 | 0.00038 | 1 | 8260B | 03/29/08 17:29 | Iwity | Q31336 |
| Bromobenzene | BRL | mg/kg | 0.0046 | 0.00059 | 1 | 8260B | 03/29/08 17:29 | Iwity | Q31336 |
| Bromochloromethane | BRL | mg/kg | 0.0046 | 0.00038 | 1 | 8260B | 03/29/08 17:29 | Iwity | Q31336 |
| Bromodichloromethane | BRL | mg/kg | 0.0046 | 0.00049 | 1 | 8260B | 03/29/08 17:29 | Iwity | Q31336 |
| Bromoform | BRL | mg/kg | 0.0046 | 0.00041 | 1 | 8260B | 03/29/08 17:29 | Iwity | Q31336 |
| Bromomethane | BRL | mg/kg | 0.0091 | 0.0010 | 1 | 8260B | 03/29/08 17:29 | Iwity | Q31336 |
| Carbon tetrachloride | BRL | mg/kg | 0.0046 | 0.0003 | 1 | 8260B | 03/29/08 17:29 | Iwity | Q31336 |
| Chlorobenzene | BRL | mg/kg | 0.0046 | 0.00047 | 1 | 8260B | 03/29/08 17:29 | Iwity | Q31336 |
| Chlorodibromomethane | BRL | mg/kg | 0.0046 | 0.00042 | 1 | 8260B | 03/29/08 17:29 | Iwity | Q31336 |
| Chloroethane | BRL | mg/kg | 0.0091 | 0.0015 | 1 | 8260B | 03/29/08 17:29 | Iwity | Q31336 |
| Chloroform | BRL | mg/kg | 0.0046 | 0.00076 | 1 | 8260B | 03/29/08 17:29 | Iwity | Q31336 |
| Chloromethane | BRL | mg/kg | 0.0046 | 0.0011 | 1 | 8260B | 03/29/08 17:29 | Iwity | Q31336 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0046 | 0.00073 | 1 | 8260B | 03/29/08 17:29 | Iwity | Q31336 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0046 | 0.0006 | 1 | 8260B | 03/29/08 17:29 | Iwity | Q31336 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0046 | 0.0013 | 1 | 8260B | 03/29/08 17:29 | Iwity | Q31336 |
| Ethylbenzene | BRL | mg/kg | 0.0046 | 0.00021 | 1 | 8260B | 03/29/08 17:29 | Iwity | Q31336 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0046 | 0.00042 | 1 | 8260B | 03/29/08 17:29 | Iwity | Q31336 |
| Isopropylbenzene | BRL | mg/kg | 0.0046 | 0.00027 | 1 | 8260B | 03/29/08 17:29 | Iwity | Q31336 |
| m,p-Xylenes | BRL | mg/kg | 0.0091 | 0.00075 | 1 | 8260B | 03/29/08 17:29 | Iwity | Q31336 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.091 | 0.014 | 1 | 8260B | 03/29/08 17:29 | Iwity | Q31336 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.0091 | 0.00038 | 1 | 8260B | 03/29/08 17:29 | Iwity | Q31336 |
| Methylene chloride | BRL | mg/kg | 0.0046 | 0.00075 | 1 | 8260B | 03/29/08 17:29 | Iwity | Q31336 |
| n-Butylbenzene | BRL | mg/kg | 0.0046 | 0.00033 | 1 | 8260B | 03/29/08 17:29 | Iwity | Q31336 |

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Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-N3
 Prism Sample ID: 209580
 COC Group: G0308735
 Time Collected: 03/19/08 14:50
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|---------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0046 | 0.0003 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| Naphthalene | BRL | mg/kg | 0.0091 | 0.00055 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| o-Xylene | BRL | mg/kg | 0.0046 | 0.00019 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0046 | 0.00037 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| sec-Butylbenzene | BRL | mg/kg | 0.0046 | 0.00031 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| Styrene | BRL | mg/kg | 0.0046 | 0.00051 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| tert-Butylbenzene | BRL | mg/kg | 0.0046 | 0.00038 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| Tetrachloroethene | BRL | mg/kg | 0.0046 | 0.00041 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| Toluene | BRL | mg/kg | 0.0046 | 0.00034 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0046 | 0.00059 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0046 | 0.00054 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| Trichloroethene | BRL | mg/kg | 0.0046 | 0.00067 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0046 | 0.00081 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| Vinyl acetate | BRL | mg/kg | 0.023 | 0.0013 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |
| Vinyl chloride | BRL | mg/kg | 0.0046 | 0.0008 | 1 | 8260B | 03/29/08 17:29 | lwitry | Q31336 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 90 | 81 - 128 |
| Dibromofluoromethane | 107 | 67 - 143 |
| Bromofluorobenzene | 107 | 77 - 128 |

Semi-volatile Organic Compounds by GC/MS

| | | | | | | | | | |
|------------------------|-----|-------|------|-------|---|-------|---------------|-------------|--------|
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.39 | 0.043 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.39 | 0.043 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.39 | 0.038 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.39 | 0.046 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| 2,4,5-Trichlorophenol | BRL | mg/kg | 0.39 | 0.046 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| 2,4,6-Trichlorophenol | BRL | mg/kg | 0.39 | 0.042 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-N3
 Prism Sample ID: 209580
 COC Group: G0308735
 Time Collected: 03/19/08 14:50
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|----------------------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| 2,4-Dichlorophenol | BRL | mg/kg | 0.39 | 0.025 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| 2,4-Dimethylphenol | BRL | mg/kg | 0.39 | 0.058 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| 2,4-Dinitrophenol | BRL | mg/kg | 1.9 | 0.11 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| 2,4-Dinitrotoluene | BRL | mg/kg | 0.39 | 0.051 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| 2,6-Dinitrotoluene | BRL | mg/kg | 0.39 | 0.070 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| 2-Chloronaphthalene | BRL | mg/kg | 0.39 | 0.049 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| 2-Chlorophenol | BRL | mg/kg | 0.39 | 0.016 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| 2-Methylnaphthalene | BRL | mg/kg | 0.39 | 0.043 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| 2-Methylphenol | BRL | mg/kg | 0.39 | 0.031 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| 2-Nitrophenol | BRL | mg/kg | 0.39 | 0.054 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| 3&4-Methylphenol | BRL | mg/kg | 0.39 | 0.045 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| 3,3'-Dichlorobenzidine | BRL | mg/kg | 0.77 | 0.070 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| 4,6-Dinitro-2-methylphenol | BRL | mg/kg | 1.9 | 0.033 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| 4-Bromophenylphenylether | BRL | mg/kg | 0.39 | 0.048 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| 4-Chloro-3-methylphenol | BRL | mg/kg | 0.77 | 0.046 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| 4-Chloroaniline | BRL | mg/kg | 0.39 | 0.029 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| 4-Chlorophenylphenylether | BRL | mg/kg | 0.39 | 0.049 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| 4-Nitrophenol | BRL | mg/kg | 1.9 | 0.049 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Acenaphthene | BRL | mg/kg | 0.39 | 0.053 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Acenaphthylene | BRL | mg/kg | 0.39 | 0.036 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Anthracene | BRL | mg/kg | 0.39 | 0.028 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Azobenzene | BRL | mg/kg | 1.9 | 0.057 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Benzo(a)anthracene | BRL | mg/kg | 0.39 | 0.044 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Benzo(a)pyrene | BRL | mg/kg | 0.39 | 0.049 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Benzo(b)fluoranthene | BRL | mg/kg | 0.39 | 0.079 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Benzo(g,h,i)perylene | BRL | mg/kg | 0.39 | 0.049 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Benzo(k)fluoranthene | BRL | mg/kg | 0.39 | 0.10 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-N3
 Prism Sample ID: 209580
 COC Group: G0308735
 Time Collected: 03/19/08 14:50
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| Benzoic acid | BRL | mg/kg | 1.9 | 0.16 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Benzyl alcohol | BRL | mg/kg | 0.77 | 0.031 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Bis(2-chloroethoxy)methane | BRL | mg/kg | 0.39 | 0.065 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Bis(2-chloroethyl)ether | BRL | mg/kg | 0.39 | 0.048 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Bis(2-chloroisopropyl)ether | BRL | mg/kg | 0.39 | 0.039 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Bis(2-ethylhexyl)phthalate | BRL | mg/kg | 0.39 | 0.030 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Butylbenzylphthalate | BRL | mg/kg | 0.39 | 0.048 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Chrysene | BRL | mg/kg | 0.39 | 0.026 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Di-n-butylphthalate | BRL | mg/kg | 0.39 | 0.062 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Di-n-octylphthalate | BRL | mg/kg | 0.39 | 0.11 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Dibenzo(a,h)anthracene | BRL | mg/kg | 0.39 | 0.036 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Dibenzofuran | BRL | mg/kg | 0.39 | 0.047 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Diethylphthalate | BRL | mg/kg | 0.39 | 0.10 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Dimethylphthalate | BRL | mg/kg | 0.39 | 0.057 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Fluoranthene | BRL | mg/kg | 0.39 | 0.068 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Fluorene | BRL | mg/kg | 0.39 | 0.055 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Hexachlorobenzene | BRL | mg/kg | 0.39 | 0.053 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Hexachlorobutadiene | BRL | mg/kg | 0.39 | 0.038 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Hexachlorocyclopentadiene | BRL | mg/kg | 0.39 | 0.058 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Hexachloroethane | BRL | mg/kg | 0.39 | 0.016 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Indeno(1,2,3-cd)pyrene | BRL | mg/kg | 0.39 | 0.037 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Isophorone | BRL | mg/kg | 0.39 | 0.037 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| N-Nitrosodi-n-propylamine | BRL | mg/kg | 0.39 | 0.023 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| N-Nitrosodiphenylamine | BRL | mg/kg | 0.39 | 0.056 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Naphthalene | BRL | mg/kg | 0.39 | 0.046 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Nitrobenzene | BRL | mg/kg | 0.39 | 0.049 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Pentachlorophenol | BRL | mg/kg | 1.9 | 0.059 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-N3
 Prism Sample ID: 209580
 COC Group: G0308735
 Time Collected: 03/19/08 14:50
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| Phenanthrene | BRL | mg/kg | 0.39 | 0.033 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Phenol | BRL | mg/kg | 0.39 | 0.068 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |
| Pyrene | BRL | mg/kg | 0.39 | 0.074 | 1 | 8270C | 04/02/08 4:15 | kcampigotto | Q31404 |

Sample Preparation: 29.93 g / 1 mL 3550B 04/01/08 8:00 pbarr P21213

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Terphenyl-d14 | 91 | 41 - 136 |
| Phenol-d5 | 47 | 13 - 95 |
| Nitrobenzene-d5 | 46 | 14 - 103 |
| 2-Fluorophenol | 36 | 14 - 89 |
| 2-Fluorobiphenyl | 60 | 21 - 108 |
| 2,4,6-Tribromophenol | 86 | 25 - 123 |

Extractable Petroleum Hydrocarbons by GC-FID

| | | | | | | | | | |
|--------------------|-----|-------|----|-----|---|-----------|---------------|--------------|--------|
| C11-C22 Aromatics | BRL | mg/kg | 11 | 2.0 | 1 | MADEP EPH | 04/05/08 8:36 | grappaccioli | Q31459 |
| C19-C36 Aliphatics | BRL | mg/kg | 11 | 1.5 | 1 | MADEP EPH | 04/05/08 7:44 | grappaccioli | Q31459 |
| C9-C18 Aliphatics | BRL | mg/kg | 11 | 1.0 | 1 | MADEP EPH | 04/05/08 7:44 | grappaccioli | Q31459 |

Sample Preparation: 10.23 g / 2 mL EPH 03/29/08 12:00 pbarr P21191

| Surrogate | % Recovery | Control Limits |
|---------------------|------------|----------------|
| o-Terphenyl | 128 | 40 - 140 |
| 2-Fluorobiphenyl | 110 | 40 - 140 |
| 2-Bromonaphthalene | 41 | 40 - 140 |
| 1-Chloro-octadecane | 89 | 40 - 140 |

Volatile Petroleum Hydrocarbons by GC-PID/FID

| | | | | | | | | | |
|-------------------|-----|-------|-----|-------|---|-----------|----------------|----------|--------|
| C5-C8 Aliphatics | BRL | mg/kg | 5.9 | 1.1 | 1 | MADEP VPH | 04/03/08 12:08 | wbradley | Q31500 |
| C9-C10 Aromatics | BRL | mg/kg | 5.9 | 0.035 | 1 | MADEP VPH | 04/03/08 12:08 | wbradley | Q31500 |
| C9-C12 Aliphatics | BRL | mg/kg | 5.9 | 1.8 | 1 | MADEP VPH | 04/03/08 12:08 | wbradley | Q31500 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-N3
 Prism Sample ID: 209580
 COC Group: G0308735
 Time Collected: 03/19/08 14:50
 Time Submitted: 03/21/08 13:05

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

| Surrogate | % Recovery | Control Limits |
|------------------------|------------|----------------|
| 2,5-Dibromotoluene-PID | 114 | 70 - 130 |
| 2,5-Dibromotoluene-FID | 95 | 70 - 130 |

Sample Weight Determination

| | | | | | | | |
|----------|-------|---|--|---|-----------|---------------|--------|
| Weight 1 | 13.69 | g | | 1 | MADEP VPH | 03/26/08 0:00 | lbrown |
| Weight 2 | 12.82 | g | | 1 | MADEP VPH | 03/26/08 0:00 | lbrown |

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



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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-S1
 Prism Sample ID: 209581
 COC Group: G0308735
 Time Collected: 03/20/08 10:30
 Time Submitted: 03/21/08 13:05

| 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 | 03/27/08 11:30 | mbarber | |
| Sample Weight Determination | | | | | | | | | |
| Weight Bisulfate 1 | 6.83 | g | | | 1 | 5035 | 03/26/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 6.61 | g | | | 1 | 5035 | 03/26/08 0:00 | lbrown | |
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0044 | 0.00052 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| 1,1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0044 | 0.00032 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0044 | 0.00047 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0044 | 0.00051 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0044 | 0.00076 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0044 | 0.00052 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0044 | 0.00051 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0044 | 0.0006 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0044 | 0.00058 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| 1,2,4-Trimethylbenzene | 0.011 | mg/kg | 0.0044 | 0.00022 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0044 | 0.00055 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0044 | 0.00028 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0044 | 0.0005 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0044 | 0.0011 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| 1,3,5-Trimethylbenzene | 0.0041 J | mg/kg | 0.0044 | 0.00037 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0044 | 0.00029 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0044 | 0.00019 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0044 | 0.00057 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0044 | 0.00064 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0044 | 0.00025 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| 2-Hexanone | BRL | mg/kg | 0.044 | 0.0038 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |

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Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-S1
 Prism Sample ID: 209581
 COC Group: G0308735
 Time Collected: 03/20/08 10:30
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|----------|-------|--------------|---------|-----------------|--------|--------------------|---------|----------|
| 4-Chlorotoluene | BRL | mg/kg | 0.0044 | 0.00033 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.044 | 0.0046 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| Acetone | 0.053 | mg/kg | 0.044 | 0.013 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| Benzene | BRL | mg/kg | 0.0027 | 0.00037 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| Bromobenzene | BRL | mg/kg | 0.0044 | 0.00057 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| Bromochloromethane | BRL | mg/kg | 0.0044 | 0.00036 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| Bromodichloromethane | BRL | mg/kg | 0.0044 | 0.00048 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| Bromoform | BRL | mg/kg | 0.0044 | 0.0004 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| Bromomethane | BRL | mg/kg | 0.0089 | 0.0010 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| Carbon tetrachloride | BRL | mg/kg | 0.0044 | 0.00029 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| Chlorobenzene | BRL | mg/kg | 0.0044 | 0.00045 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| Chlorodibromomethane | BRL | mg/kg | 0.0044 | 0.00041 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| Chloroethane | BRL | mg/kg | 0.0089 | 0.0015 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| Chloroform | BRL | mg/kg | 0.0044 | 0.00074 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| Chloromethane | BRL | mg/kg | 0.0044 | 0.0011 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0044 | 0.00071 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0044 | 0.00059 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0044 | 0.0012 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| Ethylbenzene | 0.0037 J | mg/kg | 0.0044 | 0.0002 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0044 | 0.00041 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| Isopropylbenzene | BRL | mg/kg | 0.0044 | 0.00026 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| m,p-Xylenes | 0.0051 J | mg/kg | 0.0089 | 0.00073 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.089 | 0.013 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.0089 | 0.00037 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| Methylene chloride | BRL | mg/kg | 0.0044 | 0.00073 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| n-Butylbenzene | BRL | mg/kg | 0.0044 | 0.00032 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| n-Propylbenzene | 0.0018 J | mg/kg | 0.0044 | 0.00029 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-S1
 Prism Sample ID: 209581
 COC Group: G0308735
 Time Collected: 03/20/08 10:30
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|----------|-------|--------------|---------|-----------------|--------|--------------------|---------|----------|
| Naphthalene | 0.0077 J | mg/kg | 0.0089 | 0.00053 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| o-Xylene | BRL | mg/kg | 0.0044 | 0.00019 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| p-Isopropyltoluene | 0.0018 J | mg/kg | 0.0044 | 0.00036 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| sec-Butylbenzene | BRL | mg/kg | 0.0044 | 0.0003 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| Styrene | BRL | mg/kg | 0.0044 | 0.0005 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| tert-Butylbenzene | BRL | mg/kg | 0.0044 | 0.00037 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| Tetrachloroethene | BRL | mg/kg | 0.0044 | 0.0004 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| Toluene | BRL | mg/kg | 0.0044 | 0.00033 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0044 | 0.00057 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0044 | 0.00052 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| Trichloroethene | BRL | mg/kg | 0.0044 | 0.00065 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0044 | 0.00079 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| Vinyl acetate | BRL | mg/kg | 0.022 | 0.0013 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |
| Vinyl chloride | BRL | mg/kg | 0.0044 | 0.00077 | 1 | 8260B | 03/31/08 21:08 | lwitry | Q31361 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 92 | 81 - 128 |
| Dibromofluoromethane | 104 | 67 - 143 |
| Bromofluorobenzene | 103 | 77 - 128 |

Semi-volatile Organic Compounds by GC/MS

| | | | | | | | | | |
|------------------------|-----|-------|------|-------|---|-------|---------------|-------------|--------|
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.40 | 0.044 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.40 | 0.044 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.40 | 0.039 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.40 | 0.048 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| 2,4,5-Trichlorophenol | BRL | mg/kg | 0.40 | 0.047 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| 2,4,6-Trichlorophenol | BRL | mg/kg | 0.40 | 0.043 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| 2,4-Dichlorophenol | BRL | mg/kg | 0.40 | 0.026 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-S1
 Prism Sample ID: 209581
 COC Group: G0308735
 Time Collected: 03/20/08 10:30
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|----------------------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| 2,4-Dimethylphenol | BRL | mg/kg | 0.40 | 0.060 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| 2,4-Dinitrophenol | BRL | mg/kg | 2.0 | 0.12 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| 2,4-Dinitrotoluene | BRL | mg/kg | 0.40 | 0.053 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| 2,6-Dinitrotoluene | BRL | mg/kg | 0.40 | 0.072 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| 2-Chloronaphthalene | BRL | mg/kg | 0.40 | 0.050 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| 2-Chlorophenol | BRL | mg/kg | 0.40 | 0.017 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| 2-Methylnaphthalene | BRL | mg/kg | 0.40 | 0.045 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| 2-Methylphenol | BRL | mg/kg | 0.40 | 0.032 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| 2-Nitrophenol | BRL | mg/kg | 0.40 | 0.056 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| 3&4-Methylphenol | BRL | mg/kg | 0.40 | 0.047 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| 3,3'-Dichlorobenzidine | BRL | mg/kg | 0.80 | 0.073 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| 4,6-Dinitro-2-methylphenol | BRL | mg/kg | 2.0 | 0.034 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| 4-Bromophenylphenylether | BRL | mg/kg | 0.40 | 0.050 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| 4-Chloro-3-methylphenol | BRL | mg/kg | 0.80 | 0.047 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| 4-Chloroaniline | BRL | mg/kg | 0.40 | 0.030 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| 4-Chlorophenylphenylether | BRL | mg/kg | 0.40 | 0.051 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| 4-Nitrophenol | BRL | mg/kg | 2.0 | 0.051 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Acenaphthene | BRL | mg/kg | 0.40 | 0.054 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Acenaphthylene | BRL | mg/kg | 0.40 | 0.038 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Anthracene | BRL | mg/kg | 0.40 | 0.029 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Azobenzene | BRL | mg/kg | 2.0 | 0.059 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Benzo(a)anthracene | BRL | mg/kg | 0.40 | 0.045 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Benzo(a)pyrene | BRL | mg/kg | 0.40 | 0.051 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Benzo(b)fluoranthene | BRL | mg/kg | 0.40 | 0.082 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Benzo(g,h,i)perylene | BRL | mg/kg | 0.40 | 0.051 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Benzo(k)fluoranthene | BRL | mg/kg | 0.40 | 0.11 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Benzoic acid | BRL | mg/kg | 2.0 | 0.17 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-S1
 Prism Sample ID: 209581
 COC Group: G0308735
 Time Collected: 03/20/08 10:30
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| Benzyl alcohol | BRL | mg/kg | 0.80 | 0.032 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Bis(2-chloroethoxy)methane | BRL | mg/kg | 0.40 | 0.068 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Bis(2-chloroethyl)ether | BRL | mg/kg | 0.40 | 0.050 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Bis(2-chloroisopropyl)ether | BRL | mg/kg | 0.40 | 0.040 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Bis(2-ethylhexyl)phthalate | BRL | mg/kg | 0.40 | 0.031 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Butylbenzylphthalate | BRL | mg/kg | 0.40 | 0.049 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Chrysene | BRL | mg/kg | 0.40 | 0.027 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Di-n-butylphthalate | BRL | mg/kg | 0.40 | 0.064 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Di-n-octylphthalate | BRL | mg/kg | 0.40 | 0.12 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Dibenzo(a,h)anthracene | BRL | mg/kg | 0.40 | 0.037 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Dibenzofuran | BRL | mg/kg | 0.40 | 0.049 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Diethylphthalate | BRL | mg/kg | 0.40 | 0.10 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Dimethylphthalate | BRL | mg/kg | 0.40 | 0.059 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Fluoranthene | BRL | mg/kg | 0.40 | 0.071 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Fluorene | BRL | mg/kg | 0.40 | 0.057 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Hexachlorobenzene | BRL | mg/kg | 0.40 | 0.055 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Hexachlorobutadiene | BRL | mg/kg | 0.40 | 0.040 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Hexachlorocyclopentadiene | BRL | mg/kg | 0.40 | 0.060 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Hexachloroethane | BRL | mg/kg | 0.40 | 0.017 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Indeno(1,2,3-cd)pyrene | BRL | mg/kg | 0.40 | 0.038 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Isophorone | BRL | mg/kg | 0.40 | 0.038 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| N-Nitrosodi-n-propylamine | BRL | mg/kg | 0.40 | 0.023 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| N-Nitrosodiphenylamine | BRL | mg/kg | 0.40 | 0.058 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Naphthalene | BRL | mg/kg | 0.40 | 0.048 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Nitrobenzene | BRL | mg/kg | 0.40 | 0.050 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Pentachlorophenol | BRL | mg/kg | 2.0 | 0.061 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Phenanthrene | BRL | mg/kg | 0.40 | 0.034 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-S1
 Prism Sample ID: 209581
 COC Group: G0308735
 Time Collected: 03/20/08 10:30
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| Phenol | BRL | mg/kg | 0.40 | 0.071 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Pyrene | BRL | mg/kg | 0.40 | 0.077 | 1 | 8270C | 04/03/08 9:56 | kcampigotto | Q31433 |
| Sample Preparation: | | | 29.98 g | / | 1 mL | 3550B | 04/01/08 14:00 | pbarr | P21232 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Terphenyl-d14 | 83 | 41 - 136 |
| Phenol-d5 | 67 | 13 - 95 |
| Nitrobenzene-d5 | 64 | 14 - 103 |
| 2-Fluorophenol | 54 | 14 - 89 |
| 2-Fluorobiphenyl | 79 | 21 - 108 |
| 2,4,6-Tribromophenol | 91 | 25 - 123 |

Extractable Petroleum Hydrocarbons by GC-FID

| | | | | | | | | | |
|---------------------|-----|-------|---------|-----|------|-----------|----------------|--------------|--------|
| C11-C22 Aromatics | BRL | mg/kg | 12 | 2.1 | 1 | MADEP EPH | 04/10/08 6:54 | grappaccioli | Q31603 |
| C19-C36 Aliphatics | BRL | mg/kg | 12 | 1.6 | 1 | MADEP EPH | 04/10/08 6:54 | grappaccioli | Q31603 |
| C9-C18 Aliphatics | BRL | mg/kg | 12 | 1.1 | 1 | MADEP EPH | 04/10/08 6:54 | grappaccioli | Q31603 |
| Sample Preparation: | | | 10.02 g | / | 2 mL | EPH | 03/31/08 10:00 | pbarr | P21205 |

| Surrogate | % Recovery | Control Limits |
|---------------------|------------|----------------|
| o-Terphenyl | 121 | 40 - 140 |
| 2-Fluorobiphenyl | 101 | 40 - 140 |
| 2-Bromonaphthalene | 92 | 40 - 140 |
| 1-Chloro-octadecane | 98 | 40 - 140 |

Volatile Petroleum Hydrocarbons by GC-PID/FID

| | | | | | | | | | |
|-------------------|-----|-------|-----|-------|---|-----------|----------------|----------|--------|
| C5-C8 Aliphatics | BRL | mg/kg | 6.1 | 1.2 | 1 | MADEP VPH | 04/03/08 12:50 | wbradley | Q31500 |
| C9-C10 Aromatics | BRL | mg/kg | 6.1 | 0.036 | 1 | MADEP VPH | 04/03/08 12:50 | wbradley | Q31500 |
| C9-C12 Aliphatics | BRL | mg/kg | 6.1 | 1.9 | 1 | MADEP VPH | 04/03/08 12:50 | wbradley | Q31500 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-S1
 Prism Sample ID: 209581
 COC Group: G0308735
 Time Collected: 03/20/08 10:30
 Time Submitted: 03/21/08 13:05

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

| Surrogate | % Recovery | Control Limits |
|------------------------|------------|----------------|
| 2,5-Dibromotoluene-PID | 113 | 70 - 130 |
| 2,5-Dibromotoluene-FID | 95 | 70 - 130 |

Sample Weight Determination

| | | | | | | | |
|----------|-------|---|--|---|-----------|---------------|--------|
| Weight 1 | 12.64 | g | | 1 | MADEP VPH | 03/26/08 0:00 | lbrown |
| Weight 2 | 13.18 | g | | 1 | MADEP VPH | 03/26/08 0:00 | lbrown |

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



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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-S2
 Prism Sample ID: 209582
 COC Group: G0308735
 Time Collected: 03/20/08 10:40
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|---------|-----------------|----------|--------------------|---------|----------|
| Percent Solids Determination | | | | | | | | | |
| Percent Solids | 88.8 | % | | | 1 | SM2540 G | 03/27/08 11:30 | mbarber | |
| Sample Weight Determination | | | | | | | | | |
| Weight Bisulfate 1 | 6.87 | g | | | 1 | 5035 | 03/26/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 6.78 | g | | | 1 | 5035 | 03/26/08 0:00 | lbrown | |
| Weight Methanol | 6.72 | g | | | 1 | 5035 | 03/26/08 0:00 | lbrown | |
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0041 | 0.00048 | 1 | 8260B | 04/01/08 18:38 | lwitry | Q31361 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0041 | 0.0003 | 1 | 8260B | 04/01/08 18:38 | lwitry | Q31361 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0041 | 0.00043 | 1 | 8260B | 04/01/08 18:38 | lwitry | Q31361 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0041 | 0.00047 | 1 | 8260B | 04/01/08 18:38 | lwitry | Q31361 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0041 | 0.0007 | 1 | 8260B | 04/01/08 18:38 | lwitry | Q31361 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0041 | 0.00048 | 1 | 8260B | 04/01/08 18:38 | lwitry | Q31361 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0041 | 0.00047 | 1 | 8260B | 04/01/08 18:38 | lwitry | Q31361 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0041 | 0.00055 | 1 | 8260B | 04/01/08 18:38 | lwitry | Q31361 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0041 | 0.00053 | 1 | 8260B | 04/01/08 18:38 | lwitry | Q31361 |
| 1,2,4-Trimethylbenzene | 13 | mg/kg | 2.0 | 0.10 | 500 | 8260B | 04/02/08 18:12 | lwitry | Q31361 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0041 | 0.00051 | 1 | 8260B | 04/01/08 18:38 | lwitry | Q31361 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0041 | 0.00026 | 1 | 8260B | 04/01/08 18:38 | lwitry | Q31361 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0041 | 0.00046 | 1 | 8260B | 04/01/08 18:38 | lwitry | Q31361 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0041 | 0.00099 | 1 | 8260B | 04/01/08 18:38 | lwitry | Q31361 |
| 1,3,5-Trimethylbenzene | 5.1 | mg/kg | 2.0 | 0.17 | 500 | 8260B | 04/02/08 18:12 | lwitry | Q31361 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0041 | 0.00027 | 1 | 8260B | 04/01/08 18:38 | lwitry | Q31361 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0041 | 0.00017 | 1 | 8260B | 04/01/08 18:38 | lwitry | Q31361 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0041 | 0.00052 | 1 | 8260B | 04/01/08 18:38 | lwitry | Q31361 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0041 | 0.00059 | 1 | 8260B | 04/01/08 18:38 | lwitry | Q31361 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0041 | 0.00023 | 1 | 8260B | 04/01/08 18:38 | lwitry | Q31361 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-S2
 Prism Sample ID: 209582
 COC Group: G0308735
 Time Collected: 03/20/08 10:40
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|---------|----------|
| 2-Hexanone | BRL | mg/kg | 0.041 | 0.0035 | 1 | 8260B | 04/01/08 18:38 | Iwity | Q31361 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0041 | 0.0003 | 1 | 8260B | 04/01/08 18:38 | Iwity | Q31361 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.041 | 0.0043 | 1 | 8260B | 04/01/08 18:38 | Iwity | Q31361 |
| Acetone | 0.074 | mg/kg | 0.041 | 0.012 | 1 | 8260B | 04/01/08 18:38 | Iwity | Q31361 |
| Benzene | 0.17 | mg/kg | 0.0025 | 0.00034 | 1 | 8260B | 04/01/08 18:38 | Iwity | Q31361 |
| Bromobenzene | BRL | mg/kg | 0.0041 | 0.00052 | 1 | 8260B | 04/01/08 18:38 | Iwity | Q31361 |
| Bromochloromethane | BRL | mg/kg | 0.0041 | 0.00034 | 1 | 8260B | 04/01/08 18:38 | Iwity | Q31361 |
| Bromodichloromethane | BRL | mg/kg | 0.0041 | 0.00044 | 1 | 8260B | 04/01/08 18:38 | Iwity | Q31361 |
| Bromoform | BRL | mg/kg | 0.0041 | 0.00037 | 1 | 8260B | 04/01/08 18:38 | Iwity | Q31361 |
| Bromomethane | BRL | mg/kg | 0.0082 | 0.00092 | 1 | 8260B | 04/01/08 18:38 | Iwity | Q31361 |
| Carbon tetrachloride | BRL | mg/kg | 0.0041 | 0.00027 | 1 | 8260B | 04/01/08 18:38 | Iwity | Q31361 |
| Chlorobenzene | BRL | mg/kg | 0.0041 | 0.00042 | 1 | 8260B | 04/01/08 18:38 | Iwity | Q31361 |
| Chlorodibromomethane | BRL | mg/kg | 0.0041 | 0.00038 | 1 | 8260B | 04/01/08 18:38 | Iwity | Q31361 |
| Chloroethane | BRL | mg/kg | 0.0082 | 0.0014 | 1 | 8260B | 04/01/08 18:38 | Iwity | Q31361 |
| Chloroform | BRL | mg/kg | 0.0041 | 0.00068 | 1 | 8260B | 04/01/08 18:38 | Iwity | Q31361 |
| Chloromethane | BRL | mg/kg | 0.0041 | 0.00098 | 1 | 8260B | 04/01/08 18:38 | Iwity | Q31361 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0041 | 0.00066 | 1 | 8260B | 04/01/08 18:38 | Iwity | Q31361 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0041 | 0.00054 | 1 | 8260B | 04/01/08 18:38 | Iwity | Q31361 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0041 | 0.0011 | 1 | 8260B | 04/01/08 18:38 | Iwity | Q31361 |
| Ethylbenzene | 2.4 | mg/kg | 2.0 | 0.094 | 500 | 8260B | 04/02/08 18:12 | Iwity | Q31361 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0041 | 0.00038 | 1 | 8260B | 04/01/08 18:38 | Iwity | Q31361 |
| Isopropylbenzene | 1.1 | mg/kg | 0.20 | 0.012 | 50 | 8260B | 04/02/08 17:34 | Iwity | Q31361 |
| m,p-Xylenes | 9.5 | mg/kg | 4.1 | 0.34 | 500 | 8260B | 04/02/08 18:12 | Iwity | Q31361 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.082 | 0.012 | 1 | 8260B | 04/01/08 18:38 | Iwity | Q31361 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.0082 | 0.00034 | 1 | 8260B | 04/01/08 18:38 | Iwity | Q31361 |
| Methylene chloride | BRL | mg/kg | 0.0041 | 0.00067 | 1 | 8260B | 04/01/08 18:38 | Iwity | Q31361 |
| n-Butylbenzene | 0.96 | mg/kg | 0.20 | 0.015 | 50 | 8260B | 04/02/08 17:34 | Iwity | Q31361 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-S2
 Prism Sample ID: 209582
 COC Group: G0308735
 Time Collected: 03/20/08 10:40
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|---------|----------|
| n-Propylbenzene | 1.8 | mg/kg | 0.20 | 0.014 | 50 | 8260B | 04/02/08 17:34 | lwitry | Q31361 |
| Naphthalene | 3.8 | mg/kg | 0.41 | 0.025 | 50 | 8260B | 04/02/08 17:34 | lwitry | Q31361 |
| o-Xylene | 2.3 | mg/kg | 2.0 | 0.086 | 500 | 8260B | 04/02/08 18:12 | lwitry | Q31361 |
| p-Isopropyltoluene | 1.6 | mg/kg | 0.20 | 0.016 | 50 | 8260B | 04/02/08 17:34 | lwitry | Q31361 |
| sec-Butylbenzene | 0.58 | mg/kg | 0.20 | 0.014 | 50 | 8260B | 04/02/08 17:34 | lwitry | Q31361 |
| Styrene | BRL | mg/kg | 0.0041 | 0.00046 | 1 | 8260B | 04/01/08 18:38 | lwitry | Q31361 |
| tert-Butylbenzene | 0.31 | mg/kg | 0.20 | 0.017 | 50 | 8260B | 04/02/08 17:34 | lwitry | Q31361 |
| Tetrachloroethene | BRL | mg/kg | 0.0041 | 0.00037 | 1 | 8260B | 04/01/08 18:38 | lwitry | Q31361 |
| Toluene | 0.18 | mg/kg | 0.17 | 0.015 | 50 | 8260B | 04/02/08 17:34 | lwitry | Q31361 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0041 | 0.00052 | 1 | 8260B | 04/01/08 18:38 | lwitry | Q31361 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0041 | 0.00048 | 1 | 8260B | 04/01/08 18:38 | lwitry | Q31361 |
| Trichloroethene | BRL | mg/kg | 0.0041 | 0.0006 | 1 | 8260B | 04/01/08 18:38 | lwitry | Q31361 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0041 | 0.00073 | 1 | 8260B | 04/01/08 18:38 | lwitry | Q31361 |
| Vinyl acetate | BRL | mg/kg | 0.020 | 0.0012 | 1 | 8260B | 04/01/08 18:38 | lwitry | Q31361 |
| Vinyl chloride | BRL | mg/kg | 0.0041 | 0.00071 | 1 | 8260B | 04/01/08 18:38 | lwitry | Q31361 |

Two surrogate recoveries were outside of the control limits. Matrix interference is suspected.

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | M # | 81 - 128 |
| Dibromofluoromethane | 125 | 67 - 143 |
| Bromofluorobenzene | M # | 77 - 128 |

Semi-volatile Organic Compounds by GC/MS

| | | | | | | | | | |
|------------------------|-----|-------|------|-------|---|-------|----------------|-------------|--------|
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.37 | 0.041 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.37 | 0.041 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.37 | 0.036 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.37 | 0.044 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| 2,4,5-Trichlorophenol | BRL | mg/kg | 0.37 | 0.044 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-S2
 Prism Sample ID: 209582
 COC Group: G0308735
 Time Collected: 03/20/08 10:40
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|----------------------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| 2,4,6-Trichlorophenol | BRL | mg/kg | 0.37 | 0.040 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| 2,4-Dichlorophenol | BRL | mg/kg | 0.37 | 0.024 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| 2,4-Dimethylphenol | BRL | mg/kg | 0.37 | 0.055 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| 2,4-Dinitrophenol | BRL | mg/kg | 1.8 | 0.11 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| 2,4-Dinitrotoluene | BRL | mg/kg | 0.37 | 0.048 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| 2,6-Dinitrotoluene | BRL | mg/kg | 0.37 | 0.066 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| 2-Chloronaphthalene | BRL | mg/kg | 0.37 | 0.046 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| 2-Chlorophenol | BRL | mg/kg | 0.37 | 0.015 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| 2-Methylnaphthalene | 0.24 J | mg/kg | 0.37 | 0.041 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| 2-Methylphenol | BRL | mg/kg | 0.37 | 0.030 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| 2-Nitrophenol | BRL | mg/kg | 0.37 | 0.052 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| 3&4-Methylphenol | BRL | mg/kg | 0.37 | 0.043 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| 3,3'-Dichlorobenzidine | BRL | mg/kg | 0.74 | 0.067 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| 4,6-Dinitro-2-methylphenol | BRL | mg/kg | 1.8 | 0.032 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| 4-Bromophenylphenylether | BRL | mg/kg | 0.37 | 0.046 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| 4-Chloro-3-methylphenol | BRL | mg/kg | 0.74 | 0.044 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| 4-Chloroaniline | BRL | mg/kg | 0.37 | 0.027 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| 4-Chlorophenylphenylether | BRL | mg/kg | 0.37 | 0.046 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| 4-Nitrophenol | BRL | mg/kg | 1.8 | 0.047 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Acenaphthene | BRL | mg/kg | 0.37 | 0.050 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Acenaphthylene | BRL | mg/kg | 0.37 | 0.035 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Anthracene | BRL | mg/kg | 0.37 | 0.027 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Azobenzene | BRL | mg/kg | 1.8 | 0.054 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Benzo(a)anthracene | BRL | mg/kg | 0.37 | 0.042 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Benzo(a)pyrene | BRL | mg/kg | 0.37 | 0.047 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Benzo(b)fluoranthene | BRL | mg/kg | 0.37 | 0.075 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Benzo(g,h,i)perylene | BRL | mg/kg | 0.37 | 0.047 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |

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NC Certification No. 402
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Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-S2
 Prism Sample ID: 209582
 COC Group: G0308735
 Time Collected: 03/20/08 10:40
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| Benzo(k)fluoranthene | BRL | mg/kg | 0.37 | 0.099 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Benzoic acid | BRL | mg/kg | 1.8 | 0.16 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Benzyl alcohol | BRL | mg/kg | 0.74 | 0.029 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Bis(2-chloroethoxy)methane | BRL | mg/kg | 0.37 | 0.062 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Bis(2-chloroethyl)ether | BRL | mg/kg | 0.37 | 0.046 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Bis(2-chloroisopropyl)ether | BRL | mg/kg | 0.37 | 0.037 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Bis(2-ethylhexyl)phthalate | BRL | mg/kg | 0.37 | 0.028 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Butylbenzylphthalate | BRL | mg/kg | 0.37 | 0.045 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Chrysene | BRL | mg/kg | 0.37 | 0.025 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Di-n-butylphthalate | BRL | mg/kg | 0.37 | 0.059 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Di-n-octylphthalate | BRL | mg/kg | 0.37 | 0.11 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Dibenzo(a,h)anthracene | BRL | mg/kg | 0.37 | 0.034 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Dibenzofuran | BRL | mg/kg | 0.37 | 0.045 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Diethylphthalate | BRL | mg/kg | 0.37 | 0.095 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Dimethylphthalate | BRL | mg/kg | 0.37 | 0.055 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Fluoranthene | BRL | mg/kg | 0.37 | 0.065 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Fluorene | BRL | mg/kg | 0.37 | 0.052 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Hexachlorobenzene | BRL | mg/kg | 0.37 | 0.051 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Hexachlorobutadiene | BRL | mg/kg | 0.37 | 0.037 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Hexachlorocyclopentadiene | BRL | mg/kg | 0.37 | 0.055 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Hexachloroethane | BRL | mg/kg | 0.37 | 0.015 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Indeno(1,2,3-cd)pyrene | BRL | mg/kg | 0.37 | 0.035 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Isophorone | BRL | mg/kg | 0.37 | 0.035 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| N-Nitrosodi-n-propylamine | BRL | mg/kg | 0.37 | 0.021 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| N-Nitrosodiphenylamine | BRL | mg/kg | 0.37 | 0.053 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Naphthalene | 0.44 | mg/kg | 0.37 | 0.044 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Nitrobenzene | BRL | mg/kg | 0.37 | 0.046 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |

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Laboratory Report

04/15/08

N. C. Department of Transportation
 Attn: Jessica Dehart
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 1101 Nowell Road
 Raleigh, NC 27607

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-S2
 Prism Sample ID: 209582
 COC Group: G0308735
 Time Collected: 03/20/08 10:40
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-------------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| Pentachlorophenol | BRL | mg/kg | 1.8 | 0.056 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Phenanthrene | BRL | mg/kg | 0.37 | 0.031 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Phenol | BRL | mg/kg | 0.37 | 0.065 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |
| Pyrene | BRL | mg/kg | 0.37 | 0.070 | 1 | 8270C | 04/03/08 10:45 | kcampigotto | Q31433 |

One surrogate recovery was outside of the control limits. Matrix interference is suspected.

Sample Preparation: 30.28 g / 1 mL 3550B 04/01/08 14:00 pbarr P21232

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Terphenyl-d14 | 92 | 41 - 136 |
| Phenol-d5 | 96 # | 13 - 95 |
| Nitrobenzene-d5 | 90 | 14 - 103 |
| 2-Fluorophenol | 75 | 14 - 89 |
| 2-Fluorobiphenyl | 107 | 21 - 108 |
| 2,4,6-Tribromophenol | 100 | 25 - 123 |

Extractable Petroleum Hydrocarbons by GC-FID

| | | | | | | | | | |
|--------------------|-----|-------|----|-----|---|-----------|---------------|--------------|--------|
| C11-C22 Aromatics | BRL | mg/kg | 11 | 2.0 | 1 | MADEP EPH | 04/11/08 6:06 | grappaccioli | Q31603 |
| C19-C36 Aliphatics | BRL | mg/kg | 11 | 1.5 | 1 | MADEP EPH | 04/11/08 5:14 | grappaccioli | Q31603 |
| C9-C18 Aliphatics | 13 | mg/kg | 11 | 1.0 | 1 | MADEP EPH | 04/11/08 5:14 | grappaccioli | Q31603 |

Sample Preparation: 9.95 g / 2 mL EPH 03/31/08 10:00 pbarr P21205

| Surrogate | % Recovery | Control Limits |
|---------------------|------------|----------------|
| o-Terphenyl | 105 | 40 - 140 |
| 2-Fluorobiphenyl | 86 | 40 - 140 |
| 2-Bromonaphthalene | 96 | 40 - 140 |
| 1-Chloro-octadecane | 61 | 40 - 140 |

Volatile Petroleum Hydrocarbons by GC-PID/FID

| | | | | | | | | | |
|------------------|-----|-------|----|------|----|-----------|----------------|----------|--------|
| C5-C8 Aliphatics | 390 | mg/kg | 56 | 11 | 10 | MADEP VPH | 04/03/08 15:38 | wbradley | Q31500 |
| C9-C10 Aromatics | 93 | mg/kg | 56 | 0.34 | 10 | MADEP VPH | 04/03/08 15:38 | wbradley | Q31500 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-S2
 Prism Sample ID: 209582
 COC Group: G0308735
 Time Collected: 03/20/08 10:40
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-------------------|--------|-------|--------------|-----|-----------------|-----------|--------------------|----------|----------|
| C9-C12 Aliphatics | 330 | mg/kg | 56 | 17 | 10 | MADEP VPH | 04/03/08 15:38 | wbradley | Q31500 |

| Surrogate | % Recovery | Control Limits |
|------------------------|------------|----------------|
| 2,5-Dibromotoluene-PID | DO # | 70 - 130 |
| 2,5-Dibromotoluene-FID | DO # | 70 - 130 |

Sample Weight Determination

| | | | | | | |
|----------|-------|---|---|-----------|---------------|--------|
| Weight 1 | 14.25 | g | 1 | MADEP VPH | 03/26/08 0:00 | lbrown |
| Weight 2 | 13.26 | g | 1 | MADEP VPH | 03/26/08 0:00 | lbrown |

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



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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-S3
 Prism Sample ID: 209583
 COC Group: G0308735
 Time Collected: 03/20/08 10:45
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|--------|-------|--------------|---------|-----------------|----------|--------------------|----------|----------|
| <u>Percent Solids Determination</u> | | | | | | | | | |
| Percent Solids | 83.6 | % | | | 1 | SM2540 G | 03/27/08 11:30 | mbarber | |
| <u>Sample Weight Determination</u> | | | | | | | | | |
| Weight Bisulfate 1 | 6.91 | g | | | 1 | 5035 | 03/26/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 6.57 | g | | | 1 | 5035 | 03/26/08 0:00 | lbrown | |
| Weight Methanol | 6.43 | g | | | 1 | 5035 | 03/26/08 0:00 | lbrown | |
| <u>Volatile Organic Compounds by GC/MS</u> | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0046 | 0.00054 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0046 | 0.00033 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0046 | 0.00048 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0046 | 0.00052 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0046 | 0.00078 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0046 | 0.00054 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0046 | 0.00052 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0046 | 0.00061 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0046 | 0.00059 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| 1,2,4-Trimethylbenzene | 49 | mg/kg | 2.3 | 0.12 | 500 | 8260B | 04/02/08 13:45 | erussell | Q31384 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0046 | 0.00056 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0046 | 0.00029 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0046 | 0.00051 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0046 | 0.0011 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| 1,3,5-Trimethylbenzene | 21 | mg/kg | 2.3 | 0.20 | 500 | 8260B | 04/02/08 13:45 | erussell | Q31384 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0046 | 0.0003 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0046 | 0.00019 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0046 | 0.00058 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0046 | 0.00066 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0046 | 0.00025 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-S3
 Prism Sample ID: 209583
 COC Group: G0308735
 Time Collected: 03/20/08 10:45
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| 2-Hexanone | BRL | mg/kg | 0.046 | 0.0039 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0046 | 0.00034 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.046 | 0.0047 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| Acetone | 0.071 | mg/kg | 0.046 | 0.014 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| Benzene | 0.012 | mg/kg | 0.0027 | 0.00038 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| Bromobenzene | BRL | mg/kg | 0.0046 | 0.00058 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| Bromochloromethane | BRL | mg/kg | 0.0046 | 0.00037 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| Bromodichloromethane | BRL | mg/kg | 0.0046 | 0.00049 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| Bromoform | BRL | mg/kg | 0.0046 | 0.00041 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| Bromomethane | BRL | mg/kg | 0.0091 | 0.0010 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| Carbon tetrachloride | BRL | mg/kg | 0.0046 | 0.0003 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| Chlorobenzene | BRL | mg/kg | 0.0046 | 0.00046 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| Chlorodibromomethane | BRL | mg/kg | 0.0046 | 0.00042 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| Chloroethane | BRL | mg/kg | 0.0091 | 0.0015 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| Chloroform | BRL | mg/kg | 0.0046 | 0.00076 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| Chloromethane | BRL | mg/kg | 0.0046 | 0.0011 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0046 | 0.00073 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0046 | 0.0006 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0046 | 0.0013 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| Ethylbenzene | 7.3 | mg/kg | 2.3 | 0.11 | 500 | 8260B | 04/02/08 13:45 | erussell | Q31384 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0046 | 0.00042 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| Isopropylbenzene | 2.8 | mg/kg | 0.23 | 0.013 | 50 | 8260B | 04/02/08 13:07 | erussell | Q31384 |
| m,p-Xylenes | 22 | mg/kg | 4.7 | 0.38 | 500 | 8260B | 04/02/08 13:45 | erussell | Q31384 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.091 | 0.013 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.0091 | 0.00038 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| Methylene chloride | BRL | mg/kg | 0.0046 | 0.00075 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| n-Butylbenzene | 2.5 | mg/kg | 0.23 | 0.017 | 50 | 8260B | 04/02/08 13:07 | erussell | Q31384 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-S3
 Prism Sample ID: 209583
 COC Group: G0308735
 Time Collected: 03/20/08 10:45
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| n-Propylbenzene | 4.9 | mg/kg | 0.23 | 0.015 | 50 | 8260B | 04/02/08 13:07 | erussell | Q31384 |
| Naphthalene | 21 | mg/kg | 4.7 | 0.28 | 500 | 8260B | 04/02/08 13:45 | erussell | Q31384 |
| o-Xylene | 0.019 | mg/kg | 0.0046 | 0.00019 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| p-Isopropyltoluene | 3.7 | mg/kg | 0.23 | 0.019 | 50 | 8260B | 04/02/08 13:07 | erussell | Q31384 |
| sec-Butylbenzene | 0.086 | mg/kg | 0.0046 | 0.00031 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| Styrene | BRL | mg/kg | 0.0046 | 0.00051 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| tert-Butylbenzene | 0.030 | mg/kg | 0.0046 | 0.00038 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| Tetrachloroethene | BRL | mg/kg | 0.0046 | 0.00041 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| Toluene | 0.025 | mg/kg | 0.0046 | 0.00034 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0046 | 0.00058 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0046 | 0.00054 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| Trichloroethene | BRL | mg/kg | 0.0046 | 0.00066 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0046 | 0.00081 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| Vinyl acetate | BRL | mg/kg | 0.023 | 0.0013 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |
| Vinyl chloride | BRL | mg/kg | 0.0046 | 0.00079 | 1 | 8260B | 04/03/08 12:20 | erussell | Q31384 |

Two surrogate recoveries were outside of the control limits. Matrix interference is suspected.

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 139 # | 81 - 128 |
| Dibromofluoromethane | 87 | 67 - 143 |
| Bromofluorobenzene | 330 # | 77 - 128 |

Semi-volatile Organic Compounds by GC/MS

| | | | | | | | | | |
|------------------------|-----|-------|------|-------|---|-------|----------------|-------------|--------|
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.40 | 0.044 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.40 | 0.044 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.40 | 0.038 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.40 | 0.047 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| 2,4,5-Trichlorophenol | BRL | mg/kg | 0.40 | 0.047 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |

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Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-S3
 Prism Sample ID: 209583
 COC Group: G0308735
 Time Collected: 03/20/08 10:45
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|----------------------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| 2,4,6-Trichlorophenol | BRL | mg/kg | 0.40 | 0.043 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| 2,4-Dichlorophenol | BRL | mg/kg | 0.40 | 0.026 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| 2,4-Dimethylphenol | BRL | mg/kg | 0.40 | 0.059 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| 2,4-Dinitrophenol | BRL | mg/kg | 2.0 | 0.11 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| 2,4-Dinitrotoluene | BRL | mg/kg | 0.40 | 0.052 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| 2,6-Dinitrotoluene | BRL | mg/kg | 0.40 | 0.072 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| 2-Chloronaphthalene | BRL | mg/kg | 0.40 | 0.050 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| 2-Chlorophenol | BRL | mg/kg | 0.40 | 0.017 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| 2-Methylnaphthalene | 1.7 | mg/kg | 0.40 | 0.044 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| 2-Methylphenol | BRL | mg/kg | 0.40 | 0.032 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| 2-Nitrophenol | BRL | mg/kg | 0.40 | 0.056 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| 3&4-Methylphenol | BRL | mg/kg | 0.40 | 0.046 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| 3,3'-Dichlorobenzidine | BRL | mg/kg | 0.79 | 0.072 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| 4,6-Dinitro-2-methylphenol | BRL | mg/kg | 2.0 | 0.034 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| 4-Bromophenylphenylether | BRL | mg/kg | 0.40 | 0.049 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| 4-Chloro-3-methylphenol | BRL | mg/kg | 0.79 | 0.047 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| 4-Chloroaniline | BRL | mg/kg | 0.40 | 0.029 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| 4-Chlorophenylphenylether | BRL | mg/kg | 0.40 | 0.050 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| 4-Nitrophenol | BRL | mg/kg | 2.0 | 0.051 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Acenaphthene | BRL | mg/kg | 0.40 | 0.054 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Acenaphthylene | BRL | mg/kg | 0.40 | 0.037 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Anthracene | BRL | mg/kg | 0.40 | 0.029 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Azobenzene | BRL | mg/kg | 2.0 | 0.058 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Benzo(a)anthracene | BRL | mg/kg | 0.40 | 0.045 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Benzo(a)pyrene | BRL | mg/kg | 0.40 | 0.050 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Benzo(b)fluoranthene | BRL | mg/kg | 0.40 | 0.081 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Benzo(g,h,i)perylene | BRL | mg/kg | 0.40 | 0.051 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |

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Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-S3
 Prism Sample ID: 209583
 COC Group: G0308735
 Time Collected: 03/20/08 10:45
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| Benzo(k)fluoranthene | BRL | mg/kg | 0.40 | 0.11 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Benzoic acid | BRL | mg/kg | 2.0 | 0.17 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Benzyl alcohol | BRL | mg/kg | 0.79 | 0.032 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Bis(2-chloroethoxy)methane | BRL | mg/kg | 0.40 | 0.067 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Bis(2-chloroethyl)ether | BRL | mg/kg | 0.40 | 0.049 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Bis(2-chloroisopropyl)ether | BRL | mg/kg | 0.40 | 0.040 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Bis(2-ethylhexyl)phthalate | BRL | mg/kg | 0.40 | 0.031 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Butylbenzylphthalate | BRL | mg/kg | 0.40 | 0.049 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Chrysene | BRL | mg/kg | 0.40 | 0.027 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Di-n-butylphthalate | BRL | mg/kg | 0.40 | 0.064 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Di-n-octylphthalate | BRL | mg/kg | 0.40 | 0.11 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Dibenzo(a,h)anthracene | BRL | mg/kg | 0.40 | 0.037 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Dibenzofuran | BRL | mg/kg | 0.40 | 0.048 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Diethylphthalate | BRL | mg/kg | 0.40 | 0.10 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Dimethylphthalate | BRL | mg/kg | 0.40 | 0.059 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Fluoranthene | BRL | mg/kg | 0.40 | 0.070 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Fluorene | BRL | mg/kg | 0.40 | 0.057 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Hexachlorobenzene | BRL | mg/kg | 0.40 | 0.054 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Hexachlorobutadiene | BRL | mg/kg | 0.40 | 0.039 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Hexachlorocyclopentadiene | BRL | mg/kg | 0.40 | 0.059 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Hexachloroethane | BRL | mg/kg | 0.40 | 0.016 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Indeno(1,2,3-cd)pyrene | BRL | mg/kg | 0.40 | 0.038 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Isophorone | BRL | mg/kg | 0.40 | 0.038 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| N-Nitrosodi-n-propylamine | BRL | mg/kg | 0.40 | 0.023 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| N-Nitrosodiphenylamine | BRL | mg/kg | 0.40 | 0.057 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Naphthalene | 4.6 | mg/kg | 2.0 | 0.24 | 5 | 8270C | 04/03/08 21:43 | kcampigotto | Q31433 |
| Nitrobenzene | BRL | mg/kg | 0.40 | 0.050 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-S3
 Prism Sample ID: 209583
 COC Group: G0308735
 Time Collected: 03/20/08 10:45
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-------------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| Pentachlorophenol | BRL | mg/kg | 2.0 | 0.061 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Phenanthrene | BRL | mg/kg | 0.40 | 0.034 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Phenol | BRL | mg/kg | 0.40 | 0.070 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |
| Pyrene | BRL | mg/kg | 0.40 | 0.076 | 1 | 8270C | 04/03/08 11:35 | kcampigotto | Q31433 |

Sample Preparation: 29.85 g / 1 mL 3550B 04/01/08 14:00 pbarr P21232

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Terphenyl-d14 | 87 | 41 - 136 |
| Phenol-d5 | 85 | 13 - 95 |
| Nitrobenzene-d5 | 16 | 14 - 103 |
| 2-Fluorophenol | 67 | 14 - 89 |
| 2-Fluorobiphenyl | 103 | 21 - 108 |
| 2,4,6-Tribromophenol | 92 | 25 - 123 |

Extractable Petroleum Hydrocarbons by GC-FID

| | | | | | | | | | |
|--------------------|-----|-------|----|-----|---|-----------|----------------|--------------|--------|
| C11-C22 Aromatics | BRL | mg/kg | 12 | 2.1 | 1 | MADEP EPH | 04/07/08 20:12 | grappaccioli | Q31512 |
| C19-C36 Aliphatics | BRL | mg/kg | 12 | 1.6 | 1 | MADEP EPH | 04/07/08 19:20 | grappaccioli | Q31512 |
| C9-C18 Aliphatics | 75 | mg/kg | 12 | 1.1 | 1 | MADEP EPH | 04/07/08 19:20 | grappaccioli | Q31512 |

Sample Preparation: 10.21 g / 2 mL EPH 04/01/08 14:00 pbarr P21233

| Surrogate | % Recovery | Control Limits |
|---------------------|------------|----------------|
| o-Terphenyl | 99 | 40 - 140 |
| 2-Fluorobiphenyl | 75 | 40 - 140 |
| 2-Bromonaphthalene | 40 | 40 - 140 |
| 1-Chloro-octadecane | 80 | 40 - 140 |

Volatile Petroleum Hydrocarbons by GC-PID/FID

| | | | | | | | | | |
|------------------|-----|-------|----|------|----|-----------|----------------|----------|--------|
| C5-C8 Aliphatics | 630 | mg/kg | 60 | 11 | 10 | MADEP VPH | 04/03/08 16:21 | wbradley | Q31500 |
| C9-C10 Aromatics | 180 | mg/kg | 60 | 0.36 | 10 | MADEP VPH | 04/03/08 16:21 | wbradley | Q31500 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-S3
 Prism Sample ID: 209583
 COC Group: G0308735
 Time Collected: 03/20/08 10:45
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-------------------|--------|-------|--------------|-----|-----------------|-----------|--------------------|----------|----------|
| C9-C12 Aliphatics | 720 | mg/kg | 60 | 18 | 10 | MADEP VPH | 04/03/08 16:21 | wbradley | Q31500 |

| Surrogate | % Recovery | Control Limits |
|------------------------|------------|----------------|
| 2,5-Dibromotoluene-PID | DO # | 70 - 130 |
| 2,5-Dibromotoluene-FID | DO # | 70 - 130 |

Sample Weight Determination

| | | | | | | | |
|----------|-------|---|--|---|-----------|---------------|--------|
| Weight 1 | 13.43 | g | | 1 | MADEP VPH | 03/26/08 0:00 | lbrown |
| Weight 2 | 13.42 | g | | 1 | MADEP VPH | 03/26/08 0:00 | lbrown |

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



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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-W1
 Prism Sample ID: 209584
 COC Group: G0308735
 Time Collected: 03/20/08 14:15
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|--------|-------|--------------|---------|-----------------|----------|--------------------|---------|----------|
| <u>Percent Solids Determination</u> | | | | | | | | | |
| Percent Solids | 93.2 | % | | | 1 | SM2540 G | 03/27/08 11:30 | mbarber | |
| <u>Sample Weight Determination</u> | | | | | | | | | |
| Weight Bisulfate 1 | 5.47 | g | | | 1 | 5035 | 03/26/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 5.48 | g | | | 1 | 5035 | 03/26/08 0:00 | lbrown | |
| Weight Methanol | 4.90 | g | | | 1 | 5035 | 03/26/08 0:00 | lbrown | |
| <u>Volatile Organic Compounds by GC/MS</u> | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0052 | 0.00061 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| 1,1,1,2-Tetrachloroethane | BRL | mg/kg | 0.0052 | 0.00037 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0052 | 0.00055 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0052 | 0.00059 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0052 | 0.00089 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0052 | 0.00061 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0052 | 0.00059 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0052 | 0.0007 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0052 | 0.00067 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0052 | 0.00026 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0052 | 0.00064 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0052 | 0.00033 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0052 | 0.00058 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0052 | 0.0013 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.0052 | 0.00044 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0052 | 0.00034 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0052 | 0.00022 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0052 | 0.00066 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0052 | 0.00075 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0052 | 0.00029 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-W1
 Prism Sample ID: 209584
 COC Group: G0308735
 Time Collected: 03/20/08 14:15
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|---------|----------|
| 2-Hexanone | BRL | mg/kg | 0.052 | 0.0045 | 1 | 8260B | 04/01/08 15:42 | Iwitry | Q31361 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0052 | 0.00038 | 1 | 8260B | 04/01/08 15:42 | Iwitry | Q31361 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.052 | 0.0054 | 1 | 8260B | 04/01/08 15:42 | Iwitry | Q31361 |
| Acetone | 0.059 | mg/kg | 0.052 | 0.015 | 1 | 8260B | 04/01/08 15:42 | Iwitry | Q31361 |
| Benzene | BRL | mg/kg | 0.0031 | 0.00044 | 1 | 8260B | 04/01/08 15:42 | Iwitry | Q31361 |
| Bromobenzene | BRL | mg/kg | 0.0052 | 0.00066 | 1 | 8260B | 04/01/08 15:42 | Iwitry | Q31361 |
| Bromochloromethane | BRL | mg/kg | 0.0052 | 0.00043 | 1 | 8260B | 04/01/08 15:42 | Iwitry | Q31361 |
| Bromodichloromethane | BRL | mg/kg | 0.0052 | 0.00056 | 1 | 8260B | 04/01/08 15:42 | Iwitry | Q31361 |
| Bromoform | BRL | mg/kg | 0.0052 | 0.00047 | 1 | 8260B | 04/01/08 15:42 | Iwitry | Q31361 |
| Bromomethane | BRL | mg/kg | 0.010 | 0.0012 | 1 | 8260B | 04/01/08 15:42 | Iwitry | Q31361 |
| Carbon tetrachloride | BRL | mg/kg | 0.0052 | 0.00034 | 1 | 8260B | 04/01/08 15:42 | Iwitry | Q31361 |
| Chlorobenzene | BRL | mg/kg | 0.0052 | 0.00053 | 1 | 8260B | 04/01/08 15:42 | Iwitry | Q31361 |
| Chlorodibromomethane | BRL | mg/kg | 0.0052 | 0.00048 | 1 | 8260B | 04/01/08 15:42 | Iwitry | Q31361 |
| Chloroethane | BRL | mg/kg | 0.010 | 0.0017 | 1 | 8260B | 04/01/08 15:42 | Iwitry | Q31361 |
| Chloroform | BRL | mg/kg | 0.0052 | 0.00086 | 1 | 8260B | 04/01/08 15:42 | Iwitry | Q31361 |
| Chloromethane | BRL | mg/kg | 0.0052 | 0.0012 | 1 | 8260B | 04/01/08 15:42 | Iwitry | Q31361 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0052 | 0.00083 | 1 | 8260B | 04/01/08 15:42 | Iwitry | Q31361 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0052 | 0.00068 | 1 | 8260B | 04/01/08 15:42 | Iwitry | Q31361 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0052 | 0.0014 | 1 | 8260B | 04/01/08 15:42 | Iwitry | Q31361 |
| Ethylbenzene | BRL | mg/kg | 0.0052 | 0.00024 | 1 | 8260B | 04/01/08 15:42 | Iwitry | Q31361 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0052 | 0.00048 | 1 | 8260B | 04/01/08 15:42 | Iwitry | Q31361 |
| Isopropylbenzene | BRL | mg/kg | 0.0052 | 0.0003 | 1 | 8260B | 04/01/08 15:42 | Iwitry | Q31361 |
| m,p-Xylenes | BRL | mg/kg | 0.010 | 0.00085 | 1 | 8260B | 04/01/08 15:42 | Iwitry | Q31361 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.10 | 0.015 | 1 | 8260B | 04/01/08 15:42 | Iwitry | Q31361 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.010 | 0.00044 | 1 | 8260B | 04/01/08 15:42 | Iwitry | Q31361 |
| Methylene chloride | BRL | mg/kg | 0.0052 | 0.00085 | 1 | 8260B | 04/01/08 15:42 | Iwitry | Q31361 |
| n-Butylbenzene | BRL | mg/kg | 0.0052 | 0.00037 | 1 | 8260B | 04/01/08 15:42 | Iwitry | Q31361 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-W1
 Prism Sample ID: 209584
 COC Group: G0308735
 Time Collected: 03/20/08 14:15
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|---------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0052 | 0.00034 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| Naphthalene | BRL | mg/kg | 0.010 | 0.00062 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| o-Xylene | BRL | mg/kg | 0.0052 | 0.00022 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0052 | 0.00042 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| sec-Butylbenzene | BRL | mg/kg | 0.0052 | 0.00035 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| Styrene | BRL | mg/kg | 0.0052 | 0.00058 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| tert-Butylbenzene | BRL | mg/kg | 0.0052 | 0.00044 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| Tetrachloroethene | BRL | mg/kg | 0.0052 | 0.00047 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| Toluene | BRL | mg/kg | 0.0052 | 0.00038 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0052 | 0.00066 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0052 | 0.00061 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| Trichloroethene | BRL | mg/kg | 0.0052 | 0.00076 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0052 | 0.00092 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| Vinyl acetate | BRL | mg/kg | 0.026 | 0.0015 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |
| Vinyl chloride | BRL | mg/kg | 0.0052 | 0.0009 | 1 | 8260B | 04/01/08 15:42 | lwitry | Q31361 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 97 | 81 - 128 |
| Dibromofluoromethane | 111 | 67 - 143 |
| Bromofluorobenzene | 109 | 77 - 128 |

Semi-volatile Organic Compounds by GC/MS

| | | | | | | | | | |
|------------------------|-----|-------|------|-------|---|-------|----------------|-------------|--------|
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.36 | 0.040 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.36 | 0.040 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.36 | 0.035 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.36 | 0.043 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| 2,4,5-Trichlorophenol | BRL | mg/kg | 0.36 | 0.042 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| 2,4,6-Trichlorophenol | BRL | mg/kg | 0.36 | 0.039 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |

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Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-W1
 Prism Sample ID: 209584
 COC Group: G0308735
 Time Collected: 03/20/08 14:15
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|----------------------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| 2,4-Dichlorophenol | BRL | mg/kg | 0.36 | 0.023 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| 2,4-Dimethylphenol | BRL | mg/kg | 0.36 | 0.053 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| 2,4-Dinitrophenol | BRL | mg/kg | 1.8 | 0.10 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| 2,4-Dinitrotoluene | BRL | mg/kg | 0.36 | 0.047 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| 2,6-Dinitrotoluene | BRL | mg/kg | 0.36 | 0.065 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| 2-Chloronaphthalene | BRL | mg/kg | 0.36 | 0.045 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| 2-Chlorophenol | BRL | mg/kg | 0.36 | 0.015 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| 2-Methylnaphthalene | BRL | mg/kg | 0.36 | 0.040 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| 2-Methylphenol | BRL | mg/kg | 0.36 | 0.029 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| 2-Nitrophenol | BRL | mg/kg | 0.36 | 0.050 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| 3&4-Methylphenol | BRL | mg/kg | 0.36 | 0.042 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| 3,3'-Dichlorobenzidine | BRL | mg/kg | 0.72 | 0.065 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| 4,6-Dinitro-2-methylphenol | BRL | mg/kg | 1.8 | 0.031 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| 4-Bromophenylphenylether | BRL | mg/kg | 0.36 | 0.045 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| 4-Chloro-3-methylphenol | BRL | mg/kg | 0.72 | 0.042 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| 4-Chloroaniline | BRL | mg/kg | 0.36 | 0.027 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| 4-Chlorophenylphenylether | BRL | mg/kg | 0.36 | 0.045 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| 4-Nitrophenol | BRL | mg/kg | 1.8 | 0.046 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Acenaphthene | BRL | mg/kg | 0.36 | 0.049 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Acenaphthylene | BRL | mg/kg | 0.36 | 0.034 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Anthracene | BRL | mg/kg | 0.36 | 0.026 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Azobenzene | BRL | mg/kg | 1.8 | 0.052 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Benzo(a)anthracene | BRL | mg/kg | 0.36 | 0.040 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Benzo(a)pyrene | BRL | mg/kg | 0.36 | 0.045 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Benzo(b)fluoranthene | BRL | mg/kg | 0.36 | 0.073 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Benzo(g,h,i)perylene | BRL | mg/kg | 0.36 | 0.046 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Benzo(k)fluoranthene | BRL | mg/kg | 0.36 | 0.096 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-W1
 Prism Sample ID: 209584
 COC Group: G0308735
 Time Collected: 03/20/08 14:15
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| Benzoic acid | BRL | mg/kg | 1.8 | 0.15 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Benzyl alcohol | BRL | mg/kg | 0.72 | 0.029 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Bis(2-chloroethoxy)methane | BRL | mg/kg | 0.36 | 0.061 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Bis(2-chloroethyl)ether | BRL | mg/kg | 0.36 | 0.044 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Bis(2-chloroisopropyl)ether | BRL | mg/kg | 0.36 | 0.036 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Bis(2-ethylhexyl)phthalate | BRL | mg/kg | 0.36 | 0.028 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Butylbenzylphthalate | BRL | mg/kg | 0.36 | 0.044 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Chrysene | BRL | mg/kg | 0.36 | 0.024 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Di-n-butylphthalate | BRL | mg/kg | 0.36 | 0.057 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Di-n-octylphthalate | BRL | mg/kg | 0.36 | 0.10 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Dibenzo(a,h)anthracene | BRL | mg/kg | 0.36 | 0.033 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Dibenzofuran | BRL | mg/kg | 0.36 | 0.044 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Diethylphthalate | BRL | mg/kg | 0.36 | 0.092 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Dimethylphthalate | BRL | mg/kg | 0.36 | 0.053 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Fluoranthene | BRL | mg/kg | 0.36 | 0.063 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Fluorene | BRL | mg/kg | 0.36 | 0.051 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Hexachlorobenzene | BRL | mg/kg | 0.36 | 0.049 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Hexachlorobutadiene | BRL | mg/kg | 0.36 | 0.036 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Hexachlorocyclopentadiene | BRL | mg/kg | 0.36 | 0.053 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Hexachloroethane | BRL | mg/kg | 0.36 | 0.015 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Indeno(1,2,3-cd)pyrene | BRL | mg/kg | 0.36 | 0.034 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Isophorone | BRL | mg/kg | 0.36 | 0.034 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| N-Nitrosodi-n-propylamine | BRL | mg/kg | 0.36 | 0.021 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| N-Nitrosodiphenylamine | BRL | mg/kg | 0.36 | 0.052 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Naphthalene | BRL | mg/kg | 0.36 | 0.043 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Nitrobenzene | BRL | mg/kg | 0.36 | 0.045 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Pentachlorophenol | BRL | mg/kg | 1.8 | 0.055 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-W1
 Prism Sample ID: 209584
 COC Group: G0308735
 Time Collected: 03/20/08 14:15
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| Phenanthrene | BRL | mg/kg | 0.36 | 0.030 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Phenol | BRL | mg/kg | 0.36 | 0.063 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |
| Pyrene | BRL | mg/kg | 0.36 | 0.068 | 1 | 8270C | 04/03/08 20:05 | kcampigotto | Q31433 |

Sample Preparation: 29.63 g / 1 mL 3550B 04/01/08 14:00 pbarr P21232

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Terphenyl-d14 | 86 | 41 - 136 |
| Phenol-d5 | 89 | 13 - 95 |
| Nitrobenzene-d5 | 82 | 14 - 103 |
| 2-Fluorophenol | 66 | 14 - 89 |
| 2-Fluorobiphenyl | 98 | 21 - 108 |
| 2,4,6-Tribromophenol | 96 | 25 - 123 |

Extractable Petroleum Hydrocarbons by GC-FID

| | | | | | | | | | |
|--------------------|-----|-------|----|------|---|-----------|----------------|--------------|--------|
| C11-C22 Aromatics | BRL | mg/kg | 11 | 1.9 | 1 | MADEP EPH | 04/07/08 21:55 | grappaccioli | Q31512 |
| C19-C36 Aliphatics | BRL | mg/kg | 11 | 1.5 | 1 | MADEP EPH | 04/07/08 21:03 | grappaccioli | Q31512 |
| C9-C18 Aliphatics | BRL | mg/kg | 11 | 0.98 | 1 | MADEP EPH | 04/07/08 21:03 | grappaccioli | Q31512 |

Sample Preparation: 9.83 g / 2 mL EPH 04/01/08 14:00 pbarr P21233

| Surrogate | % Recovery | Control Limits |
|---------------------|------------|----------------|
| o-Terphenyl | 120 | 40 - 140 |
| 2-Fluorobiphenyl | 52 | 40 - 140 |
| 2-Bromonaphthalene | 105 | 40 - 140 |
| 1-Chloro-octadecane | 101 | 40 - 140 |

Volatile Petroleum Hydrocarbons by GC-PID/FID

| | | | | | | | | | |
|-------------------|-----|-------|-----|-------|---|-----------|----------------|----------|--------|
| C5-C8 Aliphatics | BRL | mg/kg | 5.4 | 1.0 | 1 | MADEP VPH | 04/03/08 13:32 | wbradley | Q31500 |
| C9-C10 Aromatics | BRL | mg/kg | 5.4 | 0.032 | 1 | MADEP VPH | 04/03/08 13:32 | wbradley | Q31500 |
| C9-C12 Aliphatics | BRL | mg/kg | 5.4 | 1.7 | 1 | MADEP VPH | 04/03/08 13:32 | wbradley | Q31500 |

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NC Certification No. 402
 SC Certification No. 99012
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Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-W1
 Prism Sample ID: 209584
 COC Group: G0308735
 Time Collected: 03/20/08 14:15
 Time Submitted: 03/21/08 13:05

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

| Surrogate | % Recovery | Control Limits |
|------------------------|------------|----------------|
| 2,5-Dibromotoluene-PID | 104 | 70 - 130 |
| 2,5-Dibromotoluene-FID | 117 | 70 - 130 |

Sample Weight Determination

| | | | | | | | |
|----------|-------|---|--|---|-----------|---------------|--------|
| Weight 1 | 17.46 | g | | 1 | MADEP VPH | 03/26/08 0:00 | lbrown |
| Weight 2 | 20.53 | g | | 1 | MADEP VPH | 03/26/08 0:00 | lbrown |

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



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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-W2
 Prism Sample ID: 209585
 COC Group: G0308735
 Time Collected: 03/20/08 14:20
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|---------|-----------------|----------|--------------------|---------|----------|
| Percent Solids Determination | | | | | | | | | |
| Percent Solids | 93.0 | % | | | 1 | SM2540 G | 03/27/08 11:30 | mbarber | |
| Sample Weight Determination | | | | | | | | | |
| Weight Bisulfate 1 | 5.62 | g | | | 1 | 5035 | 03/26/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 5.66 | g | | | 1 | 5035 | 03/26/08 0:00 | lbrown | |
| Weight Methanol | 5.70 | g | | | 1 | 5035 | 03/26/08 0:00 | lbrown | |
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0048 | 0.00056 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0048 | 0.00034 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0048 | 0.00051 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0048 | 0.00055 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0048 | 0.00082 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0048 | 0.00056 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0048 | 0.00055 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0048 | 0.00064 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0048 | 0.00062 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0048 | 0.00024 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0048 | 0.00059 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0048 | 0.00031 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0048 | 0.00054 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0048 | 0.0012 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.0048 | 0.0004 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0048 | 0.00032 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0048 | 0.0002 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0048 | 0.00061 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0048 | 0.00069 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0048 | 0.00027 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
Project ID: NCDOT Parcel 68
Project No.: WBS# 34438.1.1
Sample Matrix: Soil

Client Sample ID: 68-W2
Prism Sample ID: 209585
COC Group: G0308735
Time Collected: 03/20/08 14:20
Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|---------|----------|
| 2-Hexanone | BRL | mg/kg | 0.048 | 0.0041 | 1 | 8260B | 04/01/08 16:26 | Iwtry | Q31361 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0048 | 0.00035 | 1 | 8260B | 04/01/08 16:26 | Iwtry | Q31361 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.048 | 0.0050 | 1 | 8260B | 04/01/08 16:26 | Iwtry | Q31361 |
| Acetone | 0.066 | mg/kg | 0.048 | 0.014 | 1 | 8260B | 04/01/08 16:26 | Iwtry | Q31361 |
| Benzene | BRL | mg/kg | 0.0029 | 0.0004 | 1 | 8260B | 04/01/08 16:26 | Iwtry | Q31361 |
| Bromobenzene | BRL | mg/kg | 0.0048 | 0.00061 | 1 | 8260B | 04/01/08 16:26 | Iwtry | Q31361 |
| Bromochloromethane | BRL | mg/kg | 0.0048 | 0.00039 | 1 | 8260B | 04/01/08 16:26 | Iwtry | Q31361 |
| Bromodichloromethane | BRL | mg/kg | 0.0048 | 0.00052 | 1 | 8260B | 04/01/08 16:26 | Iwtry | Q31361 |
| Bromoform | BRL | mg/kg | 0.0048 | 0.00043 | 1 | 8260B | 04/01/08 16:26 | Iwtry | Q31361 |
| Bromomethane | BRL | mg/kg | 0.0096 | 0.0011 | 1 | 8260B | 04/01/08 16:26 | Iwtry | Q31361 |
| Carbon tetrachloride | BRL | mg/kg | 0.0048 | 0.00032 | 1 | 8260B | 04/01/08 16:26 | Iwtry | Q31361 |
| Chlorobenzene | BRL | mg/kg | 0.0048 | 0.00049 | 1 | 8260B | 04/01/08 16:26 | Iwtry | Q31361 |
| Chlorodibromomethane | BRL | mg/kg | 0.0048 | 0.00044 | 1 | 8260B | 04/01/08 16:26 | Iwtry | Q31361 |
| Chloroethane | BRL | mg/kg | 0.0096 | 0.0016 | 1 | 8260B | 04/01/08 16:26 | Iwtry | Q31361 |
| Chloroform | BRL | mg/kg | 0.0048 | 0.00079 | 1 | 8260B | 04/01/08 16:26 | Iwtry | Q31361 |
| Chloromethane | BRL | mg/kg | 0.0048 | 0.0011 | 1 | 8260B | 04/01/08 16:26 | Iwtry | Q31361 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0048 | 0.00077 | 1 | 8260B | 04/01/08 16:26 | Iwtry | Q31361 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0048 | 0.00063 | 1 | 8260B | 04/01/08 16:26 | Iwtry | Q31361 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0048 | 0.0013 | 1 | 8260B | 04/01/08 16:26 | Iwtry | Q31361 |
| Ethylbenzene | BRL | mg/kg | 0.0048 | 0.00022 | 1 | 8260B | 04/01/08 16:26 | Iwtry | Q31361 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0048 | 0.00044 | 1 | 8260B | 04/01/08 16:26 | Iwtry | Q31361 |
| Isopropylbenzene | BRL | mg/kg | 0.0048 | 0.00028 | 1 | 8260B | 04/01/08 16:26 | Iwtry | Q31361 |
| m,p-Xylenes | BRL | mg/kg | 0.0096 | 0.00078 | 1 | 8260B | 04/01/08 16:26 | Iwtry | Q31361 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.096 | 0.014 | 1 | 8260B | 04/01/08 16:26 | Iwtry | Q31361 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.0096 | 0.0004 | 1 | 8260B | 04/01/08 16:26 | Iwtry | Q31361 |
| Methylene chloride | BRL | mg/kg | 0.0048 | 0.00078 | 1 | 8260B | 04/01/08 16:26 | Iwtry | Q31361 |
| n-Butylbenzene | BRL | mg/kg | 0.0048 | 0.00034 | 1 | 8260B | 04/01/08 16:26 | Iwtry | Q31361 |

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Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-W2
 Prism Sample ID: 209585
 COC Group: G0308735
 Time Collected: 03/20/08 14:20
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|---------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0048 | 0.00032 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| Naphthalene | BRL | mg/kg | 0.0096 | 0.00057 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| o-Xylene | BRL | mg/kg | 0.0048 | 0.0002 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0048 | 0.00038 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| sec-Butylbenzene | BRL | mg/kg | 0.0048 | 0.00033 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| Styrene | BRL | mg/kg | 0.0048 | 0.00054 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| tert-Butylbenzene | BRL | mg/kg | 0.0048 | 0.0004 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| Tetrachloroethene | BRL | mg/kg | 0.0048 | 0.00043 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| Toluene | BRL | mg/kg | 0.0048 | 0.00035 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0048 | 0.00061 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0048 | 0.00056 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| Trichloroethene | BRL | mg/kg | 0.0048 | 0.0007 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0048 | 0.00085 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| Vinyl acetate | BRL | mg/kg | 0.024 | 0.0013 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |
| Vinyl chloride | BRL | mg/kg | 0.0048 | 0.00083 | 1 | 8260B | 04/01/08 16:26 | lwitry | Q31361 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 93 | 81 - 128 |
| Dibromofluoromethane | 107 | 67 - 143 |
| Bromofluorobenzene | 102 | 77 - 128 |

Semi-volatile Organic Compounds by GC/MS

| | | | | | | | | | |
|------------------------|-----|-------|------|-------|---|-------|----------------|-------------|--------|
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.36 | 0.039 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.36 | 0.039 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.36 | 0.034 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.36 | 0.042 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| 2,4,5-Trichlorophenol | BRL | mg/kg | 0.36 | 0.042 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| 2,4,6-Trichlorophenol | BRL | mg/kg | 0.36 | 0.038 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-W2
 Prism Sample ID: 209585
 COC Group: G0308735
 Time Collected: 03/20/08 14:20
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|----------------------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| 2,4-Dichlorophenol | BRL | mg/kg | 0.36 | 0.023 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| 2,4-Dimethylphenol | BRL | mg/kg | 0.36 | 0.053 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| 2,4-Dinitrophenol | BRL | mg/kg | 1.8 | 0.10 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| 2,4-Dinitrotoluene | BRL | mg/kg | 0.36 | 0.047 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| 2,6-Dinitrotoluene | BRL | mg/kg | 0.36 | 0.064 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| 2-Chloronaphthalene | BRL | mg/kg | 0.36 | 0.045 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| 2-Chlorophenol | BRL | mg/kg | 0.36 | 0.015 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| 2-Methylnaphthalene | BRL | mg/kg | 0.36 | 0.040 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| 2-Methylphenol | BRL | mg/kg | 0.36 | 0.029 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| 2-Nitrophenol | BRL | mg/kg | 0.36 | 0.050 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| 3&4-Methylphenol | BRL | mg/kg | 0.36 | 0.042 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| 3,3'-Dichlorobenzidine | BRL | mg/kg | 0.71 | 0.064 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| 4,6-Dinitro-2-methylphenol | BRL | mg/kg | 1.8 | 0.031 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| 4-Bromophenylphenylether | BRL | mg/kg | 0.36 | 0.044 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| 4-Chloro-3-methylphenol | BRL | mg/kg | 0.71 | 0.042 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| 4-Chloroaniline | BRL | mg/kg | 0.36 | 0.026 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| 4-Chlorophenylphenylether | BRL | mg/kg | 0.36 | 0.045 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| 4-Nitrophenol | BRL | mg/kg | 1.8 | 0.045 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Acenaphthene | BRL | mg/kg | 0.36 | 0.048 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Acenaphthylene | BRL | mg/kg | 0.36 | 0.033 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Anthracene | BRL | mg/kg | 0.36 | 0.026 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Azobenzene | BRL | mg/kg | 1.8 | 0.052 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Benzo(a)anthracene | BRL | mg/kg | 0.36 | 0.040 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Benzo(a)pyrene | BRL | mg/kg | 0.36 | 0.045 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Benzo(b)fluoranthene | BRL | mg/kg | 0.36 | 0.073 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Benzo(g,h,i)perylene | BRL | mg/kg | 0.36 | 0.045 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Benzo(k)fluoranthene | BRL | mg/kg | 0.36 | 0.095 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
Project ID: NCDOT Parcel 68
Project No.: WBS# 34438.1.1
Sample Matrix: Soil

Client Sample ID: 68-W2
Prism Sample ID: 209585
COC Group: G0308735
Time Collected: 03/20/08 14:20
Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| Benzoic acid | BRL | mg/kg | 1.8 | 0.15 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Benzyl alcohol | BRL | mg/kg | 0.71 | 0.028 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Bis(2-chloroethoxy)methane | BRL | mg/kg | 0.36 | 0.060 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Bis(2-chloroethyl)ether | BRL | mg/kg | 0.36 | 0.044 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Bis(2-chloroisopropyl)ether | BRL | mg/kg | 0.36 | 0.036 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Bis(2-ethylhexyl)phthalate | BRL | mg/kg | 0.36 | 0.027 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Butylbenzylphthalate | BRL | mg/kg | 0.36 | 0.044 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Chrysene | BRL | mg/kg | 0.36 | 0.024 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Di-n-butylphthalate | BRL | mg/kg | 0.36 | 0.057 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Di-n-octylphthalate | BRL | mg/kg | 0.36 | 0.10 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Dibenzo(a,h)anthracene | BRL | mg/kg | 0.36 | 0.033 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Dibenzofuran | BRL | mg/kg | 0.36 | 0.043 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Diethylphthalate | BRL | mg/kg | 0.36 | 0.092 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Dimethylphthalate | BRL | mg/kg | 0.36 | 0.053 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Fluoranthene | BRL | mg/kg | 0.36 | 0.063 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Fluorene | BRL | mg/kg | 0.36 | 0.051 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Hexachlorobenzene | BRL | mg/kg | 0.36 | 0.049 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Hexachlorobutadiene | BRL | mg/kg | 0.36 | 0.035 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Hexachlorocyclopentadiene | BRL | mg/kg | 0.36 | 0.053 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Hexachloroethane | BRL | mg/kg | 0.36 | 0.015 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Indeno(1,2,3-cd)pyrene | BRL | mg/kg | 0.36 | 0.034 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Isophorone | BRL | mg/kg | 0.36 | 0.034 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| N-Nitrosodi-n-propylamine | BRL | mg/kg | 0.36 | 0.021 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| N-Nitrosodiphenylamine | BRL | mg/kg | 0.36 | 0.052 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Naphthalene | BRL | mg/kg | 0.36 | 0.042 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Nitrobenzene | BRL | mg/kg | 0.36 | 0.045 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Pentachlorophenol | BRL | mg/kg | 1.8 | 0.054 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-W2
 Prism Sample ID: 209585
 COC Group: G0308735
 Time Collected: 03/20/08 14:20
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--------------|--------|-------|--------------|-------|-----------------|--------|--------------------|-------------|----------|
| Phenanthrene | BRL | mg/kg | 0.36 | 0.030 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Phenol | BRL | mg/kg | 0.36 | 0.063 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |
| Pyrene | BRL | mg/kg | 0.36 | 0.068 | 1 | 8270C | 04/03/08 19:16 | kcampigotto | Q31433 |

Sample Preparation: 29.93 g / 1 mL 3550B 04/01/08 14:00 pbarr P21232

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Terphenyl-d14 | 86 | 41 - 136 |
| Phenol-d5 | 83 | 13 - 95 |
| Nitrobenzene-d5 | 75 | 14 - 103 |
| 2-Fluorophenol | 59 | 14 - 89 |
| 2-Fluorobiphenyl | 99 | 21 - 108 |
| 2,4,6-Tribromophenol | 96 | 25 - 123 |

Extractable Petroleum Hydrocarbons by GC-FID

| | | | | | | | | | |
|--------------------|-----|-------|----|------|---|-----------|----------------|--------------|--------|
| C11-C22 Aromatics | BRL | mg/kg | 11 | 1.9 | 1 | MADEP EPH | 04/07/08 23:39 | grappaccioli | Q31512 |
| C19-C36 Aliphatics | BRL | mg/kg | 11 | 1.4 | 1 | MADEP EPH | 04/07/08 22:47 | grappaccioli | Q31512 |
| C9-C18 Aliphatics | BRL | mg/kg | 11 | 0.95 | 1 | MADEP EPH | 04/07/08 22:47 | grappaccioli | Q31512 |

Sample Preparation: 10.21 g / 2 mL EPH 04/01/08 14:00 pbarr P21233

| Surrogate | % Recovery | Control Limits |
|---------------------|------------|----------------|
| o-Terphenyl | 95 | 40 - 140 |
| 2-Fluorobiphenyl | 88 | 40 - 140 |
| 2-Bromonaphthalene | 115 | 40 - 140 |
| 1-Chloro-octadecane | 80 | 40 - 140 |

Volatile Petroleum Hydrocarbons by GC-PID/FID

| | | | | | | | | | |
|-------------------|-----|-------|-----|-------|---|-----------|----------------|----------|--------|
| C5-C8 Aliphatics | BRL | mg/kg | 5.4 | 1.0 | 1 | MADEP VPH | 04/03/08 14:14 | wbradley | Q31500 |
| C9-C10 Aromatics | BRL | mg/kg | 5.4 | 0.032 | 1 | MADEP VPH | 04/03/08 14:14 | wbradley | Q31500 |
| C9-C12 Aliphatics | BRL | mg/kg | 5.4 | 1.7 | 1 | MADEP VPH | 04/03/08 14:14 | wbradley | Q31500 |

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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-W2
 Prism Sample ID: 209585
 COC Group: G0308735
 Time Collected: 03/20/08 14:20
 Time Submitted: 03/21/08 13:05

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

| Surrogate | % Recovery | Control Limits |
|------------------------|------------|----------------|
| 2,5-Dibromotoluene-PID | 112 | 70 - 130 |
| 2,5-Dibromotoluene-FID | 96 | 70 - 130 |

Sample Weight Determination

| | | | | | | | |
|----------|-------|---|--|---|-----------|---------------|--------|
| Weight 1 | 11.32 | g | | 1 | MADEP VPH | 03/26/08 0:00 | lbrown |
| Weight 2 | 17.37 | g | | 1 | MADEP VPH | 03/26/08 0:00 | lbrown |

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



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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-DISP-1
 Prism Sample ID: 209586
 COC Group: G0308735
 Time Collected: 03/18/08 10:55
 Time Submitted: 03/21/08 13:05

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

Percent Solids Determination

| | | | | | | | | | |
|----------------|------|---|--|--|---|----------|----------------|---------|--|
| Percent Solids | 85.0 | % | | | 1 | SM2540 G | 03/25/08 14:45 | mbarber | |
|----------------|------|---|--|--|---|----------|----------------|---------|--|

Diesel Range Organics (DRO) by GC-FID

| | | | | | | | | | |
|-----------------------------|-------|-------|-----|-----|---|-------|----------------|--------|--------|
| Diesel Range Organics (DRO) | 6.0 J | mg/kg | 8.1 | 1.3 | 1 | 8015B | 04/02/08 16:32 | jvogel | Q31414 |
|-----------------------------|-------|-------|-----|-----|---|-------|----------------|--------|--------|

Sample Preparation: 25.48 g / 1 mL 3545 03/31/08 18:00 wconder P21221

| Surrogate | % Recovery | Control Limits |
|-------------|------------|----------------|
| o-Terphenyl | 93 | 49 - 124 |

Sample Weight Determination

| | | | | | | | | | |
|----------|------|---|--|--|---|-----|---------------|--------|--|
| Weight 1 | 6.98 | g | | | 1 | GRO | 03/26/08 0:00 | lbrown | |
| Weight 2 | 6.77 | g | | | 1 | GRO | 03/26/08 0:00 | lbrown | |

Gasoline Range Organics (GRO) by GC-FID

| | | | | | | | | | |
|-------------------------------|-----|-------|-----|-----|----|-------|----------------|----------|--------|
| Gasoline Range Organics (GRO) | BRL | mg/kg | 5.9 | 3.7 | 50 | 8015B | 03/28/08 19:14 | wbradley | Q31330 |
|-------------------------------|-----|-------|-----|-----|----|-------|----------------|----------|--------|

| Surrogate | % Recovery | Control Limits |
|-----------|------------|----------------|
| aaa-TFT | 91 | 55 - 129 |

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



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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-T1-1
 Prism Sample ID: 209587
 COC Group: G0308735
 Time Collected: 03/19/08 10:15
 Time Submitted: 03/21/08 13:05

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

Percent Solids Determination

| | | | | | | | | | |
|----------------|------|---|--|--|---|----------|----------------|---------|--|
| Percent Solids | 86.6 | % | | | 1 | SM2540 G | 03/26/08 14:40 | mbarber | |
|----------------|------|---|--|--|---|----------|----------------|---------|--|

Diesel Range Organics (DRO) by GC-FID

| | | | | | | | | | |
|-----------------------------|----|-------|-----|-----|---|-------|----------------|--------|--------|
| Diesel Range Organics (DRO) | 70 | mg/kg | 8.0 | 1.3 | 1 | 8015B | 04/02/08 17:46 | jvogel | Q31414 |
|-----------------------------|----|-------|-----|-----|---|-------|----------------|--------|--------|

Sample Preparation: 25.19 g / 1 mL 3545 03/31/08 18:00 woonder P21221

| Surrogate | % Recovery | Control Limits |
|-------------|------------|----------------|
| o-Terphenyl | 121 | 49 - 124 |

Sample Weight Determination

| | | | | | | | | | |
|----------|------|---|--|--|---|-----|---------------|--------|--|
| Weight 1 | 6.52 | g | | | 1 | GRO | 04/14/08 0:00 | Lbrown | |
| Weight 2 | 6.32 | g | | | 1 | GRO | 04/14/08 0:00 | lbrown | |

Gasoline Range Organics (GRO) by GC-FID

| | | | | | | | | | |
|-------------------------------|------|-------|-----|----|------|-------|----------------|----------|--------|
| Gasoline Range Organics (GRO) | 1000 | mg/kg | 120 | 73 | 1000 | 8015B | 03/28/08 20:17 | wbradley | Q31330 |
|-------------------------------|------|-------|-----|----|------|-------|----------------|----------|--------|

| Surrogate | % Recovery | Control Limits |
|-----------|------------|----------------|
| aaa-TFT | DO # | 55 - 129 |

Sample Comment(s):

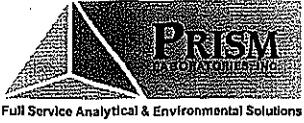
BRL = Below Reporting Limit

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



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

Laboratory Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1
 Sample Matrix: Soil

Client Sample ID: 68-T2-1
 Prism Sample ID: 209588
 COC Group: G0308735
 Time Collected: 03/19/08 10:20
 Time Submitted: 03/21/08 13:05

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|------------------|-----|-----------------|----------|--------------------|-----------------------|----------|
| Percent Solids Determination | | | | | | | | | |
| Percent Solids | 85.9 | % | | | 1 | SM2540 G | 03/26/08 14:40 | mbarber | |
| Diesel Range Organics (DRO) by GC-FID | | | | | | | | | |
| Diesel Range Organics (DRO) | 220 | mg/kg | 8.1 | 1.3 | 1 | 8015B | 04/02/08 17:09 | lvogel | Q31414 |
| Sample Preparation: | | | 25.17 g | / | 1 mL | 3545 | 03/31/08 18:00 | wconder | P21221 |
| | | | Surrogate | | | | % Recovery | Control Limits | |
| | | | o-Terphenyl | | | | 119 | 49 - 124 | |
| Sample Weight Determination | | | | | | | | | |
| Weight 1 | 6.40 | g | | | 1 | GRO | 04/14/08 0:00 | Lbrown | |
| Weight 2 | 6.43 | g | | | 1 | GRO | 04/14/08 0:00 | lbrown | |
| Gasoline Range Organics (GRO) by GC-FID | | | | | | | | | |
| Gasoline Range Organics (GRO) | 720 | mg/kg | 120 | 73 | 1000 | 8015B | 03/28/08 21:20 | wbradley | Q31330 |
| | | | Surrogate | | | | % Recovery | Control Limits | |
| | | | aaa-TFT | | | | DO # | 55 - 129 | |

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

Level II QC Report

04/15/08

N. C. Department of Transportation
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 Raleigh, NC 27607

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1

COC Group Number: G0308735
 Date/Time Submitted: 3/21/200 13:05

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

| Method Blank | | | | | | | QC Batch ID | | |
|--------------------------------------|--------|--------------|---------------|-------|------------|-------------------|-------------|-------------|-------------|
| | Result | RL | Control Limit | Units | | | | | |
| Gasoline Range Organics (GRO) | ND | 5 | <2.5 | mg/kg | | | Q31330 | | |
| Laboratory Control Sample | | | | | | | | | |
| | Result | Spike Amount | | Units | Recovery % | Recovery Ranges % | QC Batch ID | | |
| Gasoline Range Organics (GRO) | 41.7 | 50 | | mg/kg | 83 | 67-116 | Q31330 | | |
| Matrix Spike | | | | | | | | | |
| Sample ID: | Result | Spike Amount | | Units | Recovery % | Recovery Ranges % | QC Batch ID | | |
| 209595 Gasoline Range Organics (GRO) | 49.7 | 50 | | mg/kg | 99 | 57-113 | Q31330 | | |
| Matrix Spike Duplicate | | | | | | | | | |
| Sample ID: | Result | Spike Amount | | Units | Recovery % | Recovery Ranges % | RPD % | RPD Range % | QC Batch ID |
| 209595 Gasoline Range Organics (GRO) | 47.9 | 50 | | mg/kg | 96 | 57-113 | 4 | 0 - 23 | Q31330 |



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1101 Nowell Road
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Project Name: Richmond Co.
Project ID: NCDOT Parcel 68
Project No.: WBS# 34438.1.1

COC Group Number: G0308735
Date/Time Submitted: 3/21/200 13:05

Volatile Organic Compounds by GC/MS, method 8260B

| Method Blank | Result | RL | Control Limit | Units | QC Batch ID |
|-----------------------------|--------|-------|---------------|-------|-------------|
| 1,1,1-Trichloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| 1,1,2,2-Tetrachloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| 1,1,2-Trichloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| 1,1-Dichloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| 1,1-Dichloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| 1,1-Dichloropropene | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| 1,2,3-Trichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| 1,2,3-Trichloropropane | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| 1,2,4-Trichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| 1,2,4-Trimethylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| 1,2-Dibromoethane (EDB) | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| 1,2-Dichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| 1,2-Dichloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| 1,2-Dichloropropane | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| 1,3,5-Trimethylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| 1,3-Dichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| 1,3-Dichloropropane | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| 1,4-Dichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| 2,2-Dichloropropane | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| 2-Chlorotoluene | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| 2-Hexanone | ND | 0.05 | <0.025 | mg/kg | Q31336 |
| 4-Chlorotoluene | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.05 | <0.025 | mg/kg | Q31336 |
| Acetone | ND | 0.05 | <0.025 | mg/kg | Q31336 |
| Benzene | ND | 0.003 | <0.0015 | mg/kg | Q31336 |
| Bromobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| Bromochloromethane | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| Bromodichloromethane | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| Bromoform | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| Bromomethane | ND | 0.01 | <0.005 | mg/kg | Q31336 |
| Carbon tetrachloride | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| Chlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| Chlorodibromomethane | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| Chloroethane | ND | 0.01 | <0.005 | mg/kg | Q31336 |

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Level II QC Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1

COC Group Number: G0308735
 Date/Time Submitted: 3/21/200 13:05

Method Blank

| | Result | RL | Control Limit | Units | QC Batch ID |
|-----------------------------|--------|-------|---------------|-------|-------------|
| Chloroform | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| Chloromethane | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| cis-1,2-Dichloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| cis-1,3-Dichloropropene | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| Dichlorodifluoromethane | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| Ethylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| Isopropyl ether (IPE) | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| Isopropylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| m,p-Xylenes | ND | 0.01 | <0.005 | mg/kg | Q31336 |
| Methyl ethyl ketone (MEK) | ND | 0.1 | <0.05 | mg/kg | Q31336 |
| Methyl t-butyl ether (MTBE) | ND | 0.01 | <0.005 | mg/kg | Q31336 |
| Methylene chloride | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| n-Butylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| n-Propylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| Naphthalene | ND | 0.01 | <0.005 | mg/kg | Q31336 |
| o-Xylene | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| p-Isopropyltoluene | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| sec-Butylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| Styrene | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| tert-Butylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| Tetrachloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| Toluene | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| trans-1,2-Dichloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| trans-1,3-Dichloropropene | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| Trichloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| Trichlorofluoromethane | ND | 0.005 | <0.0025 | mg/kg | Q31336 |
| Vinyl acetate | ND | 0.025 | <0.0125 | mg/kg | Q31336 |
| Vinyl chloride | ND | 0.005 | <0.0025 | mg/kg | Q31336 |

Laboratory Control Sample

| | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
|--------------------|---------|--------------|-------|------------|-------------------|-------------|
| 1,1-Dichloroethene | 0.05225 | 0.05 | mg/kg | 105 | 57-122 | Q31336 |
| Benzene | 0.04927 | 0.05 | mg/kg | 99 | 62-119 | Q31336 |
| Chlorobenzene | 0.04803 | 0.05 | mg/kg | 96 | 61-124 | Q31336 |
| Toluene | 0.05038 | 0.05 | mg/kg | 101 | 57-122 | Q31336 |
| Trichloroethene | 0.05309 | 0.05 | mg/kg | 106 | 59-129 | Q31336 |

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Level II QC Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1

COC Group Number: G0308735
 Date/Time Submitted: 3/21/200 13:05

| Matrix Spike | | | | | | | |
|--------------|--------------------|--------------|-------|------------|-------------------|-------------|--------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID | |
| 209557 | 1,1-Dichloroethene | 0.05199 | 0.05 | mg/kg | 104 | 44-140 | Q31336 |
| | Benzene | 0.04396 | 0.05 | mg/kg | 88 | 46-136 | Q31336 |
| | Chlorobenzene | 0.03204 | 0.05 | mg/kg | 64 | 47-135 | Q31336 |
| | Toluene | 0.03898 | 0.05 | mg/kg | 78 | 47-136 | Q31336 |
| | Trichloroethene | 0.05089 | 0.05 | mg/kg | 102 | 45-141 | Q31336 |

| Matrix Spike Duplicate | | | | | | | | |
|------------------------|--------------------|--------------|-------|------------|-------------------|--------|-------------|---------------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | RPD % | RPD Range % | QC Batch ID |
| 209557 | 1,1-Dichloroethene | 0.04158 | 0.05 | mg/kg | 83 | 44-140 | 22 | 0 - 23 Q31336 |
| | Benzene | 0.03554 | 0.05 | mg/kg | 71 | 46-136 | 21 | 0 - 22 Q31336 |
| | Chlorobenzene | 0.02904 | 0.05 | mg/kg | 58 | 47-135 | 10 | 0 - 22 Q31336 |
| | Toluene | 0.03293 | 0.05 | mg/kg | 66 | 47-136 | 17 | 0 - 22 Q31336 |
| | Trichloroethene | 0.04078 | 0.05 | mg/kg | 82 | 45-141 | 22 | 0 - 23 Q31336 |

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Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1

COC Group Number: G0308735
 Date/Time Submitted: 3/21/200 13:05

Volatile Organic Compounds by GC/MS, method 8260B

| Method Blank | Result | RL | Control Limit | Units | QC Batch ID |
|-----------------------------|--------|-------|---------------|-------|-------------|
| 1,1,1-Trichloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| 1,1,2,2-Tetrachloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| 1,1,2-Trichloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| 1,1-Dichloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| 1,1-Dichloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| 1,1-Dichloropropene | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| 1,2,3-Trichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| 1,2,3-Trichloropropane | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| 1,2,4-Trichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| 1,2,4-Trimethylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| 1,2-Dibromoethane (EDB) | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| 1,2-Dichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| 1,2-Dichloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| 1,2-Dichloropropane | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| 1,3,5-Trimethylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| 1,3-Dichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| 1,3-Dichloropropane | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| 1,4-Dichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| 2,2-Dichloropropane | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| 2-Chlorotoluene | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| 2-Hexanone | ND | 0.05 | <0.025 | mg/kg | Q31361 |
| 4-Chlorotoluene | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.05 | <0.025 | mg/kg | Q31361 |
| Acetone | ND | 0.05 | <0.025 | mg/kg | Q31361 |
| Benzene | ND | 0.003 | <0.0015 | mg/kg | Q31361 |
| Bromobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| Bromochloromethane | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| Bromodichloromethane | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| Bromoform | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| Bromomethane | ND | 0.01 | <0.005 | mg/kg | Q31361 |
| Carbon tetrachloride | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| Chlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| Chlorodibromomethane | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| Chloroethane | ND | 0.01 | <0.005 | mg/kg | Q31361 |

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Level II QC Report

04/15/08

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Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1

COC Group Number: G0308735
 Date/Time Submitted: 3/21/200 13:05

Method Blank

| | Result | RL | Control Limit | Units | QC Batch ID |
|-----------------------------|--------|-------|---------------|-------|-------------|
| Chloroform | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| Chloromethane | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| cis-1,2-Dichloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| cis-1,3-Dichloropropene | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| Dichlorodifluoromethane | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| Ethylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| Isopropyl ether (IPE) | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| Isopropylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| m,p-Xylenes | ND | 0.01 | <0.005 | mg/kg | Q31361 |
| Methyl ethyl ketone (MEK) | ND | 0.1 | <0.05 | mg/kg | Q31361 |
| Methyl t-butyl ether (MTBE) | ND | 0.01 | <0.005 | mg/kg | Q31361 |
| Methylene chloride | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| n-Butylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| n-Propylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| Naphthalene | ND | 0.01 | <0.005 | mg/kg | Q31361 |
| o-Xylene | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| p-Isopropyltoluene | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| sec-Butylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| Styrene | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| tert-Butylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| Tetrachloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| Toluene | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| trans-1,2-Dichloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| trans-1,3-Dichloropropene | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| Trichloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| Trichlorofluoromethane | ND | 0.005 | <0.0025 | mg/kg | Q31361 |
| Vinyl acetate | ND | 0.025 | <0.0125 | mg/kg | Q31361 |
| Vinyl chloride | ND | 0.005 | <0.0025 | mg/kg | Q31361 |

Laboratory Control Sample

| | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
|--------------------|---------|--------------|-------|------------|-------------------|-------------|
| 1,1-Dichloroethene | 0.05483 | 0.05 | mg/kg | 110 | 57-122 | Q31361 |
| Benzene | 0.04902 | 0.05 | mg/kg | 98 | 62-119 | Q31361 |
| Chlorobenzene | 0.04857 | 0.05 | mg/kg | 97 | 61-124 | Q31361 |
| Toluene | 0.05021 | 0.05 | mg/kg | 100 | 57-122 | Q31361 |
| Trichloroethene | 0.05305 | 0.05 | mg/kg | 106 | 59-129 | Q31361 |

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 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1

COC Group Number: G0308735
 Date/Time Submitted: 3/21/200 13:05

| Matrix Spike | | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
|--------------|--------------------|---------|--------------|-------|------------|-------------------|-------------|
| Sample ID: | | | | | | | |
| 209581 | 1,1-Dichloroethene | 0.03694 | 0.05 | mg/kg | 74 | 44-140 | Q31361 |
| | Benzene | 0.03027 | 0.05 | mg/kg | 61 | 46-136 | Q31361 |
| | Chlorobenzene | 0.02978 | 0.05 | mg/kg | 60 | 47-135 | Q31361 |
| | Toluene | 0.03137 | 0.05 | mg/kg | 63 | 47-136 | Q31361 |
| | Trichloroethene | 0.03367 | 0.05 | mg/kg | 67 | 45-141 | Q31361 |

| Matrix Spike Duplicate | | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | RPD % | RPD Range % | QC Batch ID |
|------------------------|--------------------|---------|--------------|-------|------------|-------------------|-------|-------------|-------------|
| Sample ID: | | | | | | | | | |
| 209581 | 1,1-Dichloroethene | 0.03504 | 0.05 | mg/kg | 70 | 44-140 | 5 | 0 - 23 | Q31361 |
| | Benzene | 0.03042 | 0.05 | mg/kg | 61 | 46-136 | 0 | 0 - 22 | Q31361 |
| | Chlorobenzene | 0.031 | 0.05 | mg/kg | 62 | 47-135 | 4 | 0 - 22 | Q31361 |
| | Toluene | 0.03165 | 0.05 | mg/kg | 63 | 47-136 | 1 | 0 - 22 | Q31361 |
| | Trichloroethene | 0.03316 | 0.05 | mg/kg | 66 | 45-141 | 2 | 0 - 23 | Q31361 |

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 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1

COC Group Number: G0308735
 Date/Time Submitted: 3/21/200 13:05

Volatile Organic Compounds by GC/MS, method 8260B

| Method Blank | Result | RL | Control Limit | Units | QC Batch ID |
|-----------------------------|--------|-------|---------------|-------|-------------|
| 1,1,1-Trichloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| 1,1,2,2-Tetrachloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| 1,1,2-Trichloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| 1,1-Dichloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| 1,1-Dichloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| 1,1-Dichloropropene | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| 1,2,3-Trichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| 1,2,3-Trichloropropane | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| 1,2,4-Trichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| 1,2,4-Trimethylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| 1,2-Dibromoethane (EDB) | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| 1,2-Dichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| 1,2-Dichloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| 1,2-Dichloropropane | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| 1,3,5-Trimethylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| 1,3-Dichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| 1,3-Dichloropropane | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| 1,4-Dichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| 2,2-Dichloropropane | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| 2-Chlorotoluene | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| 2-Hexanone | ND | 0.05 | <0.025 | mg/kg | Q31384 |
| 4-Chlorotoluene | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.05 | <0.025 | mg/kg | Q31384 |
| Acetone | ND | 0.05 | <0.025 | mg/kg | Q31384 |
| Benzene | ND | 0.003 | <0.0015 | mg/kg | Q31384 |
| Bromobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| Bromochloromethane | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| Bromodichloromethane | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| Bromoform | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| Bromomethane | ND | 0.01 | <0.005 | mg/kg | Q31384 |
| Carbon tetrachloride | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| Chlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| Chlorodibromomethane | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| Chloroethane | ND | 0.01 | <0.005 | mg/kg | Q31384 |

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

Level II QC Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1

COC Group Number: G0308735
 Date/Time Submitted: 3/21/200 13:05

Method Blank

| | Result | RL | Control Limit | Units | QC Batch ID |
|-----------------------------|--------|-------|---------------|-------|-------------|
| Chloroform | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| Chloromethane | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| cis-1,2-Dichloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| cis-1,3-Dichloropropene | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| Dichlorodifluoromethane | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| Ethylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| Isopropyl ether (IPE) | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| Isopropylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| m,p-Xylenes | ND | 0.01 | <0.005 | mg/kg | Q31384 |
| Methyl ethyl ketone (MEK) | ND | 0.1 | <0.05 | mg/kg | Q31384 |
| Methyl t-butyl ether (MTBE) | ND | 0.01 | <0.005 | mg/kg | Q31384 |
| Methylene chloride | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| n-Butylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| n-Propylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| Naphthalene | ND | 0.01 | <0.005 | mg/kg | Q31384 |
| o-Xylene | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| p-Isopropyltoluene | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| sec-Butylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| Styrene | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| tert-Butylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| Tetrachloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| Toluene | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| trans-1,2-Dichloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| trans-1,3-Dichloropropene | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| Trichloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| Trichlorofluoromethane | ND | 0.005 | <0.0025 | mg/kg | Q31384 |
| Vinyl acetate | ND | 0.025 | <0.0125 | mg/kg | Q31384 |
| Vinyl chloride | ND | 0.005 | <0.0025 | mg/kg | Q31384 |

Laboratory Control Sample

| | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
|--------------------|---------|--------------|-------|------------|-------------------|-------------|
| 1,1-Dichloroethene | 0.04688 | 0.05 | mg/kg | 94 | 57-122 | Q31384 |
| Benzene | 0.0466 | 0.05 | mg/kg | 93 | 62-119 | Q31384 |
| Chlorobenzene | 0.04584 | 0.05 | mg/kg | 92 | 61-124 | Q31384 |
| Toluene | 0.04951 | 0.05 | mg/kg | 99 | 57-122 | Q31384 |
| Trichloroethene | 0.04695 | 0.05 | mg/kg | 94 | 59-129 | Q31384 |

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

Level II QC Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1

COC Group Number: G0308735
 Date/Time Submitted: 3/21/200 13:05

Matrix Spike

| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
|---------------------------|---------|--------------|-------|------------|-------------------|-------------|
| 209843 1,1-Dichloroethene | 0.03923 | 0.05 | mg/kg | 78 | 44-140 | Q31384 |
| Benzene | 0.03934 | 0.05 | mg/kg | 79 | 46-136 | Q31384 |
| Chlorobenzene | 0.03745 | 0.05 | mg/kg | 75 | 47-135 | Q31384 |
| Toluene | 0.04135 | 0.05 | mg/kg | 83 | 47-136 | Q31384 |
| Trichloroethene | 0.03896 | 0.05 | mg/kg | 78 | 45-141 | Q31384 |

Matrix Spike Duplicate

| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | RPD % | RPD Range % | QC Batch ID |
|---------------------------|---------|--------------|-------|------------|-------------------|-------|-------------|-------------|
| 209843 1,1-Dichloroethene | 0.04123 | 0.05 | mg/kg | 82 | 44-140 | 5 | 0 - 23 | Q31384 |
| Benzene | 0.03985 | 0.05 | mg/kg | 80 | 46-136 | 1 | 0 - 22 | Q31384 |
| Chlorobenzene | 0.03724 | 0.05 | mg/kg | 74 | 47-135 | 1 | 0 - 22 | Q31384 |
| Toluene | 0.03935 | 0.05 | mg/kg | 79 | 47-136 | 5 | 0 - 22 | Q31384 |
| Trichloroethene | 0.03941 | 0.05 | mg/kg | 79 | 45-141 | 1 | 0 - 23 | Q31384 |

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NC Drinking Water Cert. No. 37735

Level II QC Report

04/15/08

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

Project Name: Richmond Co.
Project ID: NCDOT Parcel 68
Project No.: WBS# 34438.1.1

COC Group Number: G0308735
Date/Time Submitted: 3/21/200 13:05

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

Method Blank

| | Result | RL | Control Limit | Units | QC Batch ID |
|----------------------------|--------|------|---------------|-------|-------------|
| 1,2,4-Trichlorobenzene | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| 1,2-Dichlorobenzene | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| 1,3-Dichlorobenzene | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| 1,4-Dichlorobenzene | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| 2,4,5-Trichlorophenol | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| 2,4,6-Trichlorophenol | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| 2,4-Dichlorophenol | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| 2,4-Dimethylphenol | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| 2,4-Dinitrophenol | ND | 1.65 | <0.825 | mg/kg | Q31404 |
| 2,4-Dinitrotoluene | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| 2,6-Dinitrotoluene | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| 2-Chloronaphthalene | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| 2-Chlorophenol | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| 2-Methylnaphthalene | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| 2-Methylphenol | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| 2-Nitrophenol | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| 3&4-Methylphenol | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| 3,3'-Dichlorobenzidine | ND | 0.66 | <0.33 | mg/kg | Q31404 |
| 4,6-Dinitro-2-methylphenol | ND | 1.65 | <0.825 | mg/kg | Q31404 |
| 4-Bromophenylphenylether | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| 4-Chloro-3-methylphenol | ND | 0.66 | <0.33 | mg/kg | Q31404 |
| 4-Chloroaniline | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| 4-Chlorophenylphenylether | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| 4-Nitrophenol | ND | 1.65 | <0.825 | mg/kg | Q31404 |
| Acenaphthene | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Acenaphthylene | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Anthracene | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Azobenzene | ND | 1.65 | <0.825 | mg/kg | Q31404 |
| Benzo(a)anthracene | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Benzo(a)pyrene | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Benzo(b)fluoranthene | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Benzo(g,h,i)perylene | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Benzo(k)fluoranthene | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Benzoic acid | ND | 1.65 | <0.825 | mg/kg | Q31404 |

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

Level II QC Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1

COC Group Number: G0308735
 Date/Time Submitted: 3/21/200 13:05

Method Blank

| | Result | RL | Control Limit | Units | QC Batch ID |
|-----------------------------|--------|------|---------------|-------|-------------|
| Benzyl alcohol | ND | 0.66 | <0.33 | mg/kg | Q31404 |
| Bis(2-chloroethoxy)methane | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Bis(2-chloroethyl)ether | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Butylbenzylphthalate | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Chrysene | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Di-n-butylphthalate | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Di-n-octylphthalate | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Dibenzo(a,h)anthracene | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Dibenzofuran | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Diethylphthalate | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Dimethylphthalate | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Fluoranthene | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Fluorene | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Hexachlorobenzene | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Hexachlorobutadiene | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Hexachlorocyclopentadiene | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Hexachloroethane | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Indeno(1,2,3-cd)pyrene | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Isophorone | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| N-Nitrosodi-n-propylamine | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| N-Nitrosodiphenylamine | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Naphthalene | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Nitrobenzene | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Pentachlorophenol | ND | 1.65 | <0.825 | mg/kg | Q31404 |
| Phenanthrene | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Phenol | ND | 0.33 | <0.165 | mg/kg | Q31404 |
| Pyrene | ND | 0.33 | <0.165 | mg/kg | Q31404 |

Laboratory Control Sample

| | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
|-------------------------|---------|--------------|-------|------------|-------------------|-------------|
| 1,2,4-Trichlorobenzene | 1.21626 | 1.6537 | mg/kg | 74 | 39-98 | Q31404 |
| 1,4-Dichlorobenzene | 1.16005 | 1.6537 | mg/kg | 70 | 37-95 | Q31404 |
| 2,4-Dinitrotoluene | 1.48578 | 1.6537 | mg/kg | 90 | 56-128 | Q31404 |
| 2-Chlorophenol | 1.14781 | 1.6537 | mg/kg | 69 | 37-98 | Q31404 |
| 4-Chloro-3-methylphenol | 1.37235 | 1.6537 | mg/kg | 83 | 45-111 | Q31404 |

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 NC Drinking Water Cert. No. 37735

Level II QC Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1

COC Group Number: G0308735
 Date/Time Submitted: 3/21/200 13:05

| Laboratory Control Sample | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
|---------------------------|---------|--------------|-------|------------|-------------------|-------------|
| 4-Nitrophenol | 1.27414 | 1.6537 | mg/kg | 77 | 20-157 | Q31404 |
| Acenaphthene | 1.41865 | 1.6537 | mg/kg | 86 | 44-110 | Q31404 |
| N-Nitrosodi-n-propylamine | 0.99735 | 1.6537 | mg/kg | 60 | 38-101 | Q31404 |
| Pentachlorophenol | 1.75429 | 1.6537 | mg/kg | 106 | 53-127 | Q31404 |
| Phenol | 1.21164 | 1.6537 | mg/kg | 73 | 34-102 | Q31404 |
| Pyrene | 1.41600 | 1.6537 | mg/kg | 86 | 54-131 | Q31404 |

| Matrix Spike | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
|--|---------|--------------|-------|------------|-------------------|-------------|
| Sample ID: 209578 1,2,4-Trichlorobenzene | 0.98566 | 1.667 | mg/kg | 59 | 26-97 | Q31404 |
| 1,4-Dichlorobenzene | 0.99066 | 1.667 | mg/kg | 59 | 23-92 | Q31404 |
| 2,4-Dinitrotoluene | 1.38633 | 1.667 | mg/kg | 83 | 45-127 | Q31404 |
| 2-Chlorophenol | 1.089 | 1.667 | mg/kg | 65 | 25-94 | Q31404 |
| 4-Chloro-3-methylphenol | 1.21466 | 1.667 | mg/kg | 73 | 31-113 | Q31404 |
| 4-Nitrophenol | 1.339 | 1.667 | mg/kg | 80 | 17-150 | Q31404 |
| Acenaphthene | 1.34266 | 1.667 | mg/kg | 81 | 36-107 | Q31404 |
| N-Nitrosodi-n-propylamine | 0.87266 | 1.667 | mg/kg | 52 | 22-105 | Q31404 |
| Pentachlorophenol | 1.636 | 1.667 | mg/kg | 98 | 39-137 | Q31404 |
| Phenol | 0.937 | 1.667 | mg/kg | 56 | 23-97 | Q31404 |
| Pyrene | 1.41066 | 1.667 | mg/kg | 85 | 45-133 | Q31404 |

| Matrix Spike Duplicate | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | RPD % | RPD Range % | QC Batch ID |
|--|---------|--------------|-------|------------|-------------------|-------|-------------|-------------|
| Sample ID: 209578 1,2,4-Trichlorobenzene | 1.217 | 1.667 | mg/kg | 73 | 26-97 | 21 | 0 - 37 | Q31404 |
| 1,4-Dichlorobenzene | 1.26566 | 1.667 | mg/kg | 76 | 23-92 | 24 | 0 - 36 | Q31404 |
| 2,4-Dinitrotoluene | 1.563 | 1.667 | mg/kg | 94 | 45-127 | 12 | 0 - 29 | Q31404 |
| 2-Chlorophenol | 1.296 | 1.667 | mg/kg | 78 | 25-94 | 17 | 0 - 37 | Q31404 |
| 4-Chloro-3-methylphenol | 1.38433 | 1.667 | mg/kg | 83 | 31-113 | 13 | 0 - 32 | Q31404 |
| 4-Nitrophenol | 1.419 | 1.667 | mg/kg | 85 | 17-150 | 6 | 0 - 32 | Q31404 |
| Acenaphthene | 1.60033 | 1.667 | mg/kg | 96 | 36-107 | 18 | 0 - 32 | Q31404 |
| N-Nitrosodi-n-propylamine | 1.116 | 1.667 | mg/kg | 67 | 22-105 | 24 | 0 - 37 | Q31404 |
| Pentachlorophenol | 1.87433 | 1.667 | mg/kg | 112 | 39-137 | 14 | 0 - 27 | Q31404 |
| Phenol | 1.44266 | 1.667 | mg/kg | 87 | 23-97 | 42 # | 0 - 42 | Q31404 |
| Pyrene | 1.51833 | 1.667 | mg/kg | 91 | 45-133 | 7 | 0 - 27 | Q31404 |

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

Level II QC Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1

COC Group Number: G0308735
 Date/Time Submitted: 3/21/200 13:05

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

| Method Blank | | | | | | | QC Batch ID | |
|------------------------------------|--------|--------------|---------------|------------|-------------------|-------|-------------|-------------|
| | Result | RL | Control Limit | Units | | | | |
| Diesel Range Organics (DRO) | ND | 7 | <3.5 | mg/kg | | | Q31414 | |
| Laboratory Control Sample | | | | | | | | |
| | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | | QC Batch ID | |
| Diesel Range Organics (DRO) | 78.7 | 80 | mg/kg | 98 | 55-109 | | Q31414 | |
| Matrix Spike | | | | | | | | |
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | | QC Batch ID | |
| 209749 Diesel Range Organics (DRO) | 23290 | 80 | mg/kg | 5985 # | 50-117 | | Q31414 | |
| Matrix Spike Duplicate | | | | | | | | |
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | RPD % | RPD Range % | QC Batch ID |
| 209749 Diesel Range Organics (DRO) | 19585 | 80 | mg/kg | 1354 # | 50-117 | 17 | 0 - 24 | Q31414 |



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Level II QC Report

04/15/08

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 1101 Nowell Road
 Raleigh, NC 27607

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1

COC Group Number: G0308735
 Date/Time Submitted: 3/21/200 13:05

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

| Method Blank | Result | RL | Control Limit | Units | QC Batch ID |
|----------------------------|--------|------|---------------|-------|-------------|
| 1,2,4-Trichlorobenzene | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| 1,2-Dichlorobenzene | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| 1,3-Dichlorobenzene | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| 1,4-Dichlorobenzene | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| 2,4,5-Trichlorophenol | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| 2,4,6-Trichlorophenol | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| 2,4-Dichlorophenol | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| 2,4-Dimethylphenol | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| 2,4-Dinitrophenol | ND | 1.65 | <0.825 | mg/kg | Q31433 |
| 2,4-Dinitrotoluene | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| 2,6-Dinitrotoluene | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| 2-Chloronaphthalene | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| 2-Chlorophenol | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| 2-Methylnaphthalene | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| 2-Methylphenol | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| 2-Nitrophenol | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| 3&4-Methylphenol | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| 3,3'-Dichlorobenzidine | ND | 0.66 | <0.33 | mg/kg | Q31433 |
| 4,6-Dinitro-2-methylphenol | ND | 1.65 | <0.825 | mg/kg | Q31433 |
| 4-Bromophenylphenylether | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| 4-Chloro-3-methylphenol | ND | 0.66 | <0.33 | mg/kg | Q31433 |
| 4-Chloroaniline | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| 4-Chlorophenylphenylether | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| 4-Nitrophenol | ND | 1.65 | <0.825 | mg/kg | Q31433 |
| Acenaphthene | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Acenaphthylene | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Anthracene | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Azobenzene | ND | 1.65 | <0.825 | mg/kg | Q31433 |
| Benzo(a)anthracene | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Benzo(a)pyrene | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Benzo(b)fluoranthene | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Benzo(g,h,i)perylene | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Benzo(k)fluoranthene | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Benzoic acid | ND | 1.65 | <0.825 | mg/kg | Q31433 |

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

Level II QC Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1

COC Group Number: G0308735
 Date/Time Submitted: 3/21/200 13:05

Method Blank

| | Result | RL | Control Limit | Units | QC Batch ID |
|-----------------------------|--------|------|---------------|-------|-------------|
| Benzyl alcohol | ND | 0.66 | <0.33 | mg/kg | Q31433 |
| Bis(2-chloroethoxy)methane | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Bis(2-chloroethyl)ether | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Butylbenzylphthalate | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Chrysene | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Di-n-butylphthalate | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Di-n-octylphthalate | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Dibenzo(a,h)anthracene | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Dibenzofuran | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Diethylphthalate | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Dimethylphthalate | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Fluoranthene | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Fluorene | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Hexachlorobenzene | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Hexachlorobutadiene | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Hexachlorocyclopentadiene | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Hexachloroethane | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Indeno(1,2,3-cd)pyrene | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Isophorone | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| N-Nitrosodi-n-propylamine | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| N-Nitrosodiphenylamine | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Naphthalene | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Nitrobenzene | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Pentachlorophenol | ND | 1.65 | <0.825 | mg/kg | Q31433 |
| Phenanthrene | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Phenol | ND | 0.33 | <0.165 | mg/kg | Q31433 |
| Pyrene | ND | 0.33 | <0.165 | mg/kg | Q31433 |

Laboratory Control Sample

| | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
|-------------------------|---------|--------------|-------|------------|-------------------|-------------|
| 1,2,4-Trichlorobenzene | 1.06108 | 1.6423 | mg/kg | 65 | 39-98 | Q31433 |
| 1,4-Dichlorobenzene | 1.10935 | 1.6423 | mg/kg | 68 | 37-95 | Q31433 |
| 2,4-Dinitrotoluene | 1.24860 | 1.6423 | mg/kg | 76 | 56-128 | Q31433 |
| 2-Chlorophenol | 1.08243 | 1.6423 | mg/kg | 66 | 37-98 | Q31433 |
| 4-Chloro-3-methylphenol | 1.13004 | 1.6423 | mg/kg | 69 | 45-111 | Q31433 |

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

Level II QC Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1

COC Group Number: G0308735
 Date/Time Submitted: 3/21/200 13:05

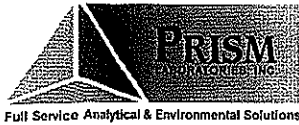
| Laboratory Control Sample | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
|---------------------------|---------|--------------|-------|------------|-------------------|-------------|
| 4-Nitrophenol | 1.16354 | 1.6423 | mg/kg | 71 | 20-157 | Q31433 |
| Acenaphthene | 1.11428 | 1.6423 | mg/kg | 68 | 44-110 | Q31433 |
| N-Nitrosodi-n-propylamine | 0.93169 | 1.6423 | mg/kg | 57 | 38-101 | Q31433 |
| Pentachlorophenol | 1.46206 | 1.6423 | mg/kg | 89 | 53-127 | Q31433 |
| Phenol | 1.13497 | 1.6423 | mg/kg | 69 | 34-102 | Q31433 |
| Pyrene | 1.24893 | 1.6423 | mg/kg | 76 | 54-131 | Q31433 |

| Matrix Spike | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
|-------------------------------|---------|--------------|-------|------------|-------------------|-------------|
| 209697 1,2,4-Trichlorobenzene | 1.28266 | 1.667 | mg/kg | 77 | 26-97 | Q31433 |
| 1,4-Dichlorobenzene | 1.14666 | 1.667 | mg/kg | 69 | 23-92 | Q31433 |
| 2,4-Dinitrotoluene | 1.45666 | 1.667 | mg/kg | 87 | 45-127 | Q31433 |
| 2-Chlorophenol | 1.20833 | 1.667 | mg/kg | 72 | 25-94 | Q31433 |
| 4-Chloro-3-methylphenol | 1.46166 | 1.667 | mg/kg | 88 | 31-113 | Q31433 |
| 4-Nitrophenol | 1.354 | 1.667 | mg/kg | 81 | 17-150 | Q31433 |
| Acenaphthene | 1.489 | 1.667 | mg/kg | 89 | 36-107 | Q31433 |
| N-Nitrosodi-n-propylamine | 1.101 | 1.667 | mg/kg | 66 | 22-105 | Q31433 |
| Pentachlorophenol | 1.802 | 1.667 | mg/kg | 108 | 39-137 | Q31433 |
| Phenol | 1.35066 | 1.667 | mg/kg | 81 | 23-97 | Q31433 |
| Pyrene | 1.55033 | 1.667 | mg/kg | 93 | 45-133 | Q31433 |

| Matrix Spike Duplicate | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | RPD % | RPD Range % | QC Batch ID |
|-------------------------------|---------|--------------|-------|------------|-------------------|-------|-------------|-------------|
| 209697 1,2,4-Trichlorobenzene | 0.97066 | 1.667 | mg/kg | 58 | 26-97 | 28 | 0 - 37 | Q31433 |
| 1,4-Dichlorobenzene | 0.96933 | 1.667 | mg/kg | 58 | 23-92 | 17 | 0 - 36 | Q31433 |
| 2,4-Dinitrotoluene | 1.523 | 1.667 | mg/kg | 91 | 45-127 | 4 | 0 - 29 | Q31433 |
| 2-Chlorophenol | 0.97033 | 1.667 | mg/kg | 58 | 25-94 | 22 | 0 - 37 | Q31433 |
| 4-Chloro-3-methylphenol | 1.10466 | 1.667 | mg/kg | 66 | 31-113 | 28 | 0 - 32 | Q31433 |
| 4-Nitrophenol | 1.38333 | 1.667 | mg/kg | 83 | 17-150 | 2 | 0 - 32 | Q31433 |
| Acenaphthene | 1.198 | 1.667 | mg/kg | 72 | 36-107 | 22 | 0 - 32 | Q31433 |
| N-Nitrosodi-n-propylamine | 0.822 | 1.667 | mg/kg | 49 | 22-105 | 29 | 0 - 37 | Q31433 |
| Pentachlorophenol | 1.69333 | 1.667 | mg/kg | 102 | 39-137 | 6 | 0 - 27 | Q31433 |
| Phenol | 0.975 | 1.667 | mg/kg | 58 | 23-97 | 32 | 0 - 42 | Q31433 |
| Pyrene | 1.41333 | 1.667 | mg/kg | 85 | 45-133 | 9 | 0 - 27 | Q31433 |

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

Level II QC Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1

COC Group Number: G0308735
 Date/Time Submitted: 3/21/200 13:05

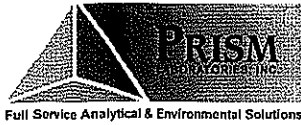
Extractable Petroleum Hydrocarbons by GC-FID, method MADEP EPH

| Method Blank | | | | | QC Batch ID |
|--------------------|--------|----|---------------|-------|-------------|
| | Result | RL | Control Limit | Units | |
| C11-C22 Aromatics | ND | 10 | <5 | mg/kg | Q31459 |
| C19-C36 Aliphatics | ND | 10 | <5 | mg/kg | Q31459 |
| C9-C18 Aliphatics | ND | 10 | <5 | mg/kg | Q31459 |

| Laboratory Control Sample | | | | | | |
|---------------------------|--------|--------------|-------|------------|-------------------|-------------|
| | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
| C11-C22 Aromatics | 101.5 | 170 | mg/kg | 60 | 40-140 | Q31459 |
| C19-C36 Aliphatics | 53.88 | 80 | mg/kg | 67 | 40-140 | Q31459 |
| C9-C18 Aliphatics | 32.4 | 60 | mg/kg | 54 | 40-140 | Q31459 |

| Matrix Spike | | | | | | |
|--------------------------|--------|--------------|-------|------------|-------------------|-------------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
| 209558 C11-C22 Aromatics | 139.9 | 170 | mg/kg | 82 | 40-140 | Q31459 |
| C19-C36 Aliphatics | 56.9 | 80 | mg/kg | 71 | 40-140 | Q31459 |
| C9-C18 Aliphatics | 42.16 | 60 | mg/kg | 70 | 40-140 | Q31459 |

| Matrix Spike Duplicate | | | | | | | | |
|--------------------------|--------|--------------|-------|------------|-------------------|-------|-------------|-------------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | RPD % | RPD Range % | QC Batch ID |
| 209558 C11-C22 Aromatics | 133.58 | 170 | mg/kg | 79 | 40-140 | 5 | 0 - 50 | Q31459 |
| C19-C36 Aliphatics | 56.9 | 80 | mg/kg | 71 | 40-140 | 0 | 0 - 50 | Q31459 |
| C9-C18 Aliphatics | 43.96 | 60 | mg/kg | 73 | 40-140 | 4 | 0 - 50 | Q31459 |



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Level II QC Report

04/15/08

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

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1

COC Group Number: G0308735
 Date/Time Submitted: 3/21/200 13:05

Volatile Petroleum Hydrocarbons by GC-PID/FID, method MADEP VPH

| Method Blank | | | | | | QC Batch ID |
|-------------------|--------|----|---------------|-------|--|-------------|
| | Result | RL | Control Limit | Units | | |
| C5-C8 Aliphatics | ND | 5 | <2.5 | mg/kg | | Q31500 |
| C9-C10 Aromatics | ND | 5 | <2.5 | mg/kg | | Q31500 |
| C9-C12 Aliphatics | ND | 5 | <2.5 | mg/kg | | Q31500 |

| Laboratory Control Sample | | | | | | |
|---------------------------|--------|--------------|-------|------------|-------------------|-------------|
| | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
| C5-C8 Aliphatics | 26.657 | 30 | mg/kg | 89 | 70-130 | Q31500 |
| C9-C10 Aromatics | 4.772 | 5 | mg/kg | 95 | 70-130 | Q31500 |
| C9-C12 Aliphatics | 34.931 | 40 | mg/kg | 87 | 70-130 | Q31500 |

| Matrix Spike | | | | | | |
|-------------------------|--------|--------------|-------|------------|-------------------|-------------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
| 210007 C5-C8 Aliphatics | 34.004 | 30 | mg/kg | 113 | 70-130 | Q31500 |
| C9-C10 Aromatics | 4.917 | 5 | mg/kg | 98 | 70-130 | Q31500 |
| C9-C12 Aliphatics | 42.449 | 40 | mg/kg | 106 | 70-130 | Q31500 |

| Matrix Spike Duplicate | | | | | | | | |
|-------------------------|--------|--------------|-------|------------|-------------------|-------|-------------|-------------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | RPD % | RPD Range % | QC Batch ID |
| 210007 C5-C8 Aliphatics | 34.045 | 30 | mg/kg | 113 | 70-130 | 0 | 0 - 25 | Q31500 |
| C9-C10 Aromatics | 4.988 | 5 | mg/kg | 100 | 70-130 | 1 | 0 - 25 | Q31500 |
| C9-C12 Aliphatics | 43.346 | 40 | mg/kg | 108 | 70-130 | 2 | 0 - 25 | Q31500 |



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Level II QC Report

04/15/08

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 Attn: Jessica Dehart
 c/o Solution - IES
 1101 Nowell Road
 Raleigh, NC 27607

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1

COC Group Number: G0308735
 Date/Time Submitted: 3/21/200 13:05

Extractable Petroleum Hydrocarbons by GC-FID, method MADEP EPH

Method Blank

| | Result | RL | Control Limit | Units | QC Batch ID |
|--------------------|--------|----|---------------|-------|-------------|
| C11-C22 Aromatics | ND | 10 | <5 | mg/kg | Q31512 |
| C19-C36 Aliphatics | ND | 10 | <5 | mg/kg | Q31512 |
| C9-C18 Aliphatics | ND | 10 | <5 | mg/kg | Q31512 |

Laboratory Control Sample

| | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
|--------------------|--------|--------------|-------|------------|-------------------|-------------|
| C11-C22 Aromatics | 95.98 | 170 | mg/kg | 56 | 40-140 | Q31512 |
| C19-C36 Aliphatics | 56.66 | 80 | mg/kg | 71 | 40-140 | Q31512 |
| C9-C18 Aliphatics | 27.34 | 60 | mg/kg | 46 | 40-140 | Q31512 |

Matrix Spike

| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
|--------------------------|--------|--------------|-------|------------|-------------------|-------------|
| 209859 C11-C22 Aromatics | 134.04 | 170 | mg/kg | 79 | 40-140 | Q31512 |
| C19-C36 Aliphatics | 69.16 | 80 | mg/kg | 86 | 40-140 | Q31512 |
| C9-C18 Aliphatics | 42.68 | 60 | mg/kg | 71 | 40-140 | Q31512 |

Matrix Spike Duplicate

| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | RPD % | RPD Range % | QC Batch ID |
|--------------------------|--------|--------------|-------|------------|-------------------|-------|-------------|-------------|
| 209859 C11-C22 Aromatics | 129.84 | 170 | mg/kg | 76 | 40-140 | 3 | 0 - 50 | Q31512 |
| C19-C36 Aliphatics | 67.6 | 80 | mg/kg | 85 | 40-140 | 2 | 0 - 50 | Q31512 |
| C9-C18 Aliphatics | 45.06 | 60 | mg/kg | 75 | 40-140 | 5 | 0 - 50 | Q31512 |



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Level II QC Report

04/15/08

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 1101 Nowell Road
 Raleigh, NC 27607

Project Name: Richmond Co.
 Project ID: NCDOT Parcel 68
 Project No.: WBS# 34438.1.1

COC Group Number: G0308735
 Date/Time Submitted: 3/21/200 13:05

Extractable Petroleum Hydrocarbons by GC-FID, method MADEP EPH

| Method Blank | | | | | QC Batch ID |
|--------------------|--------|----|---------------|-------|-------------|
| | Result | RL | Control Limit | Units | |
| C11-C22 Aromatics | ND | 10 | <5 | mg/kg | Q31603 |
| C19-C36 Aliphatics | ND | 10 | <5 | mg/kg | Q31603 |
| C9-C18 Aliphatics | ND | 10 | <5 | mg/kg | Q31603 |

| Laboratory Control Sample | | | | | | |
|---------------------------|--------|--------------|-------|------------|-------------------|-------------|
| | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
| C11-C22 Aromatics | 130.34 | 170 | mg/kg | 77 | 40-140 | Q31603 |
| C19-C36 Aliphatics | 58.28 | 80 | mg/kg | 73 | 40-140 | Q31603 |
| C9-C18 Aliphatics | 30.04 | 60 | mg/kg | 50 | 40-140 | Q31603 |

| Matrix Spike | | | | | | |
|--------------------------|--------|--------------|-------|------------|-------------------|-------------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
| 209571 C11-C22 Aromatics | 106.1 | 170 | mg/kg | 62 | 40-140 | Q31603 |
| C19-C36 Aliphatics | 59.86 | 80 | mg/kg | 75 | 40-140 | Q31603 |
| C9-C18 Aliphatics | 33.46 | 60 | mg/kg | 56 | 40-140 | Q31603 |

| Matrix Spike Duplicate | | | | | | | | |
|--------------------------|--------|--------------|-------|------------|-------------------|-------|-------------|-------------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | RPD % | RPD Range % | QC Batch ID |
| 209571 C11-C22 Aromatics | 118.3 | 170 | mg/kg | 70 | 40-140 | 11 | 0 - 50 | Q31603 |
| C19-C36 Aliphatics | 68.7 | 80 | mg/kg | 86 | 40-140 | 14 | 0 - 50 | Q31603 |
| C9-C18 Aliphatics | 44.12 | 60 | mg/kg | 74 | 40-140 | 27 | 0 - 50 | Q31603 |

#-See Case Narrative



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

Client Company Name: SOLUTIONS - IES
 Report To/Contact Name: JESSICA DEHART
 Reporting Address: 101 DONNELLO
RAVEIGH NC 27607
 Phone: 919-873-1000 Fax (Yes) (No):
 Email (Yes) (No) Email Address: JDEHART@SOLUTIONS
 EDD Type: PDF IES.CDM Other
 Site Location Name: PARCEL 608
 Site Location Physical Address: RICHMOND COUNTY

CHAIN OF CUSTODY RECORD

PAGE OF QUOTE # TO ENSURE PROPER BILLING:
 Project Name: RICHMOND COUNTY UST CLOSURE
 Short Hold Analysis: (Yes) (No) UST Project: (ES) (No)
 *Please ATTACH any project specific reporting (QC LEVEL III III IV)
 provisions and/or QC Requirements
 Invoice To: WOOD GENE ENVIRONMENTAL UNIT
 Address: RAVEIGH, NC

Purchase Order No./Billing Reference WBS # 34438.6.1
 Requested Due Date 1 Day 2 Days 3 Days 4 Days 5 Days
 "Working Days" 6-9 Days Standard 10 days Rush Work Must Be
 Pre-Approved
 Samples received after 15:00 will be processed next business day.
 Turnaround time is based on business days, excluding weekends and holidays.
 (SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES
 RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

YES NO N/A

 Samples INTACT upon arrival?
 Received ON WET ICE? Temp 4.3
 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 NO

| CLIENT SAMPLE DESCRIPTION | DATE COLLECTED | TIME COLLECTED MILITARY HOURS | MATRIX (SOIL, WATER OR SLUDGE) | SAMPLE CONTAINER | | PRESERVATIVES | ANALYSES REQUESTED | REMARKS | PRISM LAB ID NO. |
|---------------------------|----------------|-------------------------------|--------------------------------|------------------|----------|-------------------------------|--------------------|---------|------------------|
| | | | | TYPE SEE BELOW | NO. SIZE | | | | |
| 608-E1 | 3/19/08 | 1000 | SOIL | GLA/TZ | 1/15 | None Methanol DOWN CASUENE | 8870 VPA EPA | | 209576 |
| 608-E2 | ↓ | 1015 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 209577 |
| 608-N1 | ↓ | 1440 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 209578 |
| 608-N2 | ↓ | 1445 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 209579 |
| 608-N3 | ↓ | 1450 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 209580 |
| 608-S1 | 3/20/08 | 1030 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 209581 |
| 608-S2 | ↓ | 1040 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 209582 |
| 608-S3 | ↓ | 1045 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 209583 |
| 608-W1 | ↓ | 1415 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 209584 |
| 608-W2 | ↓ | 1420 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 209585 |

PRESS DOWN FIRMLY - 3 COPIES

Sampler's Signature: Jessica Dehart Sampled By (Print Name): Jessica Dehart Affiliation: Solutions - IES

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 after analyses have been initialized.

Relinquished By (Signature): Jessica Dehart Date: 3/21/08 Military Hours: 1305

Relinquished By (Signature): Jessica Dehart Date: 3/21/08 Military Hours: 1305

Relinquished By (Signature): Jessica Dehart Date: 3/21/08 Military Hours: 1305

Method of Shipment: Fed Ex UPS Hand-delivered Prism Field Service Other

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

Additional Comments: 60308735
6070837

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

SEE REVERSE FOR TERMS & CONDITIONS

ORIGINAL



Full Service Analytical & Environmental Solutions

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

Client Company Name: SOLUTIONS-IES

Report To/Contact Name: JESSICA DEHAET

Reporting Address: 1101 HOWELL ROAD

RALEIGH NC 27607

Phone: 919 873-1110 Fax (Yes) (No):

Email (Yes) (No) Email Address: JDEHAET@SOLUTIONS-IES.COM

EDD Type: PDF Excel Other

Site Location Name: PARCEL 109

Site Location Physical Address: RICHMOND COUNTY

CHAIN OF CUSTODY RECORD

PAGE 1 OF QUOTE # TO ENSURE PROPER BILLING:

Project Name: RICHMOND COUNTY UST CLOSURE

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

*Please ATTACH any project specific reporting (QC LEVEL I III IV)

provisions and/or QC Requirements

Invoice To: NGOY GEOTECHNICAL UST

Address: RALEIGH, NC

Purchase Order No./Billing Reference WBS# 34438.L1

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

"Working Days" 6-9 Days Standard 10 days Pre-Approved

Rush Work Must Be 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

Samples INTACT upon arrival? YES NO N/A

Received ON WET ICE? Temp 4.8

PROPER PRESERVATIVES indicated?

Received WITHIN HOLDING TIMES?

CUSTODY SEALS INTACT?

VOLATILES rec'd W/OUT HEADSPACE?

PROPER CONTAINERS used?

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NELAC USACE FL NC

SC OTHER N/A

Water Chlorinated: YES NO

Sample Iced Upon Collection: YES NO

| CLIENT SAMPLE DESCRIPTION | DATE COLLECTED | TIME COLLECTED (MILITARY HOURS) | MATRIX (SOIL, WATER OR SLUDGE) | SAMPLE CONTAINER | | | PRESERVATIVES | ANALYSES REQUESTED | REMARKS | PRISM LAB ID NO. |
|---------------------------|----------------|---------------------------------|--------------------------------|------------------|-----|------|---------------|--------------------------------|---------|------------------|
| | | | | *TYPE SEE BELOW | NO. | SIZE | | | | |
| 08-DISP-1 | 3/18/08 | 1055 | SOIL | 6/60A | 1/2 | 1/2 | none / MANUAL | TOP COP #112 COP #113 COP #114 | | 259586 |
| 08-T1-1 | 3/19/08 | 1015 | ↓ | ↓ | ↓ | ↓ | ↓ | | | 259587 |
| 08-T2-1 | 3/19/08 | 1020 | ↓ | ↓ | ↓ | ↓ | | | | 259588 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Samplers' Signatures: Jessica Dehaet Sampled By (Print Name) JESSICA DEHAET Affiliation SOLUTIONS-IES

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) | Date | Military/Hours |
| <u>Jessica Dehaet</u> | <u>3-21-08</u> | <u>1000</u> |
| Relinquished By: (Signature) | Date | Military/Hours |
| <u>Dave Morris</u> | <u>3/21/08</u> | <u>1305</u> |
| Relinquished By: (Signature) | Date | Military/Hours |
| <u>Jessica Dehaet</u> | <u>3/21/08</u> | <u>1305</u> |

Additional Comments:

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 COP UNTIL RECEIVED AT THE LABORATORY.

Fed Ex UPS Hand-delivered Prism Field Service Other

NPDES: UST: NC SC VA WY Other

GROUNDWATER: NC SC VA WY Other

DRINKING WATER: NC SC VA WY Other

SOLID WASTE: RCRA CERCLA

LANDFILL OTHER: NC SC VA WY Other

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

PRISM USE ONLY

Site Arrival Time: _____

Site Departure Time: _____

Field Tech Fee: _____

Mileage: _____

SEE REVERSE FOR TERMS & CONDITIONS

ORIGINAL

PRESS DOWN FIRMLY - 3 COPIES

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

| | | | |
|----------------|---|---------------------------|---------------------------------|
| Client Name: | <u>N. C. Department of Transportation</u> | Laboratory Name: | <u>Prism Laboratories, Inc.</u> |
| Project Name: | <u>NCDOT Parcel 68</u> | NC Certification # (Lab): | <u>402</u> |
| Site Location: | <u>Richmond County, NC</u> | Sample Matrix: | <u>Soil</u> |

| Sample Information and Analytical Results | | | | | | |
|---|-------------------|----------------|----------------|----------------|----------------|----------------|
| Method for Ranges: MADEP VPH | | | | | | |
| VPH Surrogate Standards: Aliphatic - 2,5-Dibromotoluene / Aromatic - 2,5-Dibromotoluene | | | | | | |
| Sample Identification: | | 209576 | 209577 | 209578 | 209579 | 209580 |
| Collection Option (for soil*): | | 1 | 1 | 1 | 1 | 1 |
| Date Collected: | | 03/19/08 | 03/19/08 | 03/19/08 | 03/19/08 | 03/19/08 |
| Date Received: | | 03/21/08 | 03/21/08 | 03/21/08 | 03/21/08 | 03/21/08 |
| Date Extracted: | | 04/02/08 | 04/03/08 | 04/03/08 | 04/03/08 | 04/03/08 |
| Date Analyzed: | | 04/02/08 | 04/03/08 | 04/03/08 | 04/03/08 | 04/03/08 |
| % Dry Solids: | | 85.6 | 83.9 | 89.4 | 86.5 | 85.4 |
| Dilution Factor: | | 1 | 1 | 1 | 1 | 1 |
| Hydrocarbon Ranges in mg/kg: | | Sample Results | Sample Results | Sample Results | Sample Results | Sample Results |
| C5-C8 Aliphatics | | <5.8 | <6.0 | <5.6 | <5.8 | <5.9 |
| C9-C12 Aliphatics | | <5.8 | <6.0 | <5.6 | <5.8 | <5.9 |
| C9-C10 Aromatics | | <5.8 | <6.0 | <5.6 | <5.8 | <5.9 |
| Blank: | C5-C8 Aliphatics | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 |
| | C9-C12 Aliphatics | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 |
| | C9-C10 Aromatics | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 |
| RL: | C5-C8 Aliphatics | 5.8 | 6.0 | 5.6 | 5.8 | 5.9 |
| | C9-C12 Aliphatics | 5.8 | 6.0 | 5.6 | 5.8 | 5.9 |
| | C9-C10 Aromatics | 5.8 | 6.0 | 5.6 | 5.8 | 5.9 |
| MDL: | C5-C8 Aliphatics | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| | C9-C12 Aliphatics | 1.8 | 1.8 | 1.7 | 1.8 | 1.8 |
| | C9-C10 Aromatics | 0.035 | 0.036 | 0.034 | 0.035 | 0.035 |
| Surrogate Acceptance Range: | Blank | 70-130 % | 70-130 % | 70-130 % | 70-130 % | 70-130 % |
| Aliphatic Surrogate % Rec. - FID: | 91 | 97 | 70 | 87 | 94 | 95 |
| Aromatic Surrogate % Rec. - PID: | 90 | 110 | 103 | 112 | 119 | 114 |

- * Option 1 = Established fill line on vial
- * Option 2 = Sampling device (indicate brand, e.g., EnCore TM)
- * Option 3 = Field weight of soil

MDL = Method Detection Limit RL = Reporting Limit Blank = Laboratory Method Blank or Trip Blank
(whichever is higher - indicate type)

Were all performance/acceptance standards for required QA/QC procedures achieved?

| | |
|------------|------------------------|
| YES | No - Details Attached |
| NO | Yes - Details Attached |

Were any significant modifications to the VPH method made?

Comments: VPH trip blank was not submitted to the laboratory.

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

| | | | |
|----------------|---|---------------------------|---------------------------------|
| Client Name: | <u>N. C. Department of Transportation</u> | Laboratory Name: | <u>Prism Laboratories, Inc.</u> |
| Project Name: | <u>NCDOT Parcel 68</u> | NC Certification # (Lab): | <u>402</u> |
| Site Location: | <u>Richmond County, NC</u> | Sample Matrix: | <u>Soil</u> |

| Sample Information and Analytical Results | | | | | | |
|---|-------------------|----------------|----------------|----------------|----------------|----------------|
| Method for Ranges: MADEP VPH | | | | | | |
| VPH Surrogate Standards: Aliphatic - 2,5-Dibromotoluene / Aromatic - 2,5-Dibromotoluene | | | | | | |
| Sample Identification: | | 209581 | 209582 | 209583 | 209584 | 209585 |
| Collection Option (for soil*): | | 1 | 1 | 1 | 1 | 1 |
| Date Collected: | | 03/20/08 | 03/20/08 | 03/20/08 | 03/20/08 | 03/20/08 |
| Date Received: | | 03/21/08 | 03/21/08 | 03/21/08 | 03/21/08 | 03/21/08 |
| Date Extracted: | | 04/03/08 | 04/03/08 | 04/03/08 | 04/03/08 | 04/03/08 |
| Date Analyzed: | | 04/03/08 | 04/03/08 | 04/03/08 | 04/03/08 | 04/03/08 |
| % Dry Solids: | | 82.4 | 88.8 | 83.6 | 93.2 | 93.0 |
| Dilution Factor: | | 1 | 10 | 10 | 1 | 1 |
| Hydrocarbon Ranges in mg/kg: | | Sample Results | Sample Results | Sample Results | Sample Results | Sample Results |
| C5-C8 Aliphatics | | <6.1 | 390 | 630 | <5.4 | <5.4 |
| C9-C12 Aliphatics | | <6.1 | 330 | 720 | <5.4 | <5.4 |
| C9-C10 Aromatics | | <6.1 | 93 | 180 | <5.4 | <5.4 |
| Blank: | C5-C8 Aliphatics | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 |
| | C9-C12 Aliphatics | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 |
| | C9-C10 Aromatics | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 |
| RL: | C5-C8 Aliphatics | 6.1 | 56 | 60 | 5.4 | 5.4 |
| | C9-C12 Aliphatics | 6.1 | 56 | 60 | 5.4 | 5.4 |
| | C9-C10 Aromatics | 6.1 | 56 | 60 | 5.4 | 5.4 |
| MDL: | C5-C8 Aliphatics | 1.2 | 11 | 11 | 1.0 | 1.0 |
| | C9-C12 Aliphatics | 1.9 | 17 | 18 | 1.7 | 1.7 |
| | C9-C10 Aromatics | 0.036 | 0.34 | 0.36 | 0.032 | 0.032 |
| Surrogate Acceptance Range: | Blank | 70-130 % | 70-130 % | 70-130 % | 70-130 % | 70-130 % |
| Aliphatic Surrogate % Rec. - FID: | 91 | 95 | DO # | DO # | 117 | 96 |
| Aromatic Surrogate % Rec. - PID: | 90 | 113 | DO # | DO # | 104 | 112 |

- * Option 1 = Established fill line on vial
- * Option 2 = Sampling device (indicate brand, e.g., EnCore TM)
- * Option 3 = Field weight of soil

MDL = Method Detection Limit RL = Reporting Limit Blank = Laboratory Method Blank or Trip Blank
(whichever is higher - indicate type)

Were all performance/acceptance standards for required QA/QC procedures achieved?

Were any significant modifications to the VPH method made?

| | |
|------------|------------------------|
| YES | No - Details Attached |
| NO | Yes - Details Attached |

Comments: VPH trip blank was not submitted to the laboratory.
 DO: Compound diluted out.

EPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: N. C. Department of Transportation Laboratory Name: Prism Laboratories, Inc.
 Project Name: NCDOT Parcel 68 NC Certification # (Lab): 402
 Site Location: Richmond County, NC Sample Matrix: Soil

| Sample Information and Analytical Results | | | | | | |
|---|--------------------|----------------|----------------|----------------|----------------|----------------|
| Method for Ranges: MADEP EPH | | | | | | |
| EPH Surrogate Standards: Aliphatic - 1-Chloro-octadecane / Aromatic - o-Terphenyl | | | | | | |
| EPH Fractionation Surrogates: #1 - 2-Bromonaphthalene / #2 - Fluorobiphenyl | | | | | | |
| Sample Identification: | | 209576 | 209577 | 209578 | 209579 | 209580 |
| Date Collected: | | 03/19/08 | 03/19/08 | 03/19/08 | 03/19/08 | 03/19/08 |
| Date Received: | | 03/21/08 | 03/21/08 | 03/21/08 | 03/21/08 | 03/21/08 |
| Date Extracted: | | 03/29/08 | 03/29/08 | 03/29/08 | 03/29/08 | 03/29/08 |
| Date Analyzed: | | 04/05/08 | 04/05/08 | 04/05/08 | 04/05/08 | 04/05/08 |
| % Dry Solids: | | 85.6 | 83.9 | 89.4 | 86.5 | 85.4 |
| Dilution Factor: | | 1 | 1 | 1 | 1 | 1 |
| Hydrocarbon Ranges in mg/kg: | | Sample Results | Sample Results | Sample Results | Sample Results | Sample Results |
| C9-C18 Aliphatics | | <11 | <12 | <11 | <12 | <11 |
| C19-C36 Aliphatics | | <11 | <12 | <11 | <12 | <11 |
| C11-C22 Aromatics | | <11 | <12 | <11 | <12 | <11 |
| Blank: | C9-C18 Aliphatics | <10 | <10 | <10 | <10 | <10 |
| | C19-C36 Aliphatics | <10 | <10 | <10 | <10 | <10 |
| | C11-C22 Aromatics | <10 | <10 | <10 | <10 | <10 |
| RL: | C9-C18 Aliphatics | 11 | 12 | 11 | 12 | 11 |
| | C19-C36 Aliphatics | 11 | 12 | 11 | 12 | 11 |
| | C11-C22 Aromatics | 11 | 12 | 11 | 12 | 11 |
| MDL: | C9-C18 Aliphatics | 1.0 | 1.1 | 0.97 | 1.0 | 1.0 |
| | C19-C36 Aliphatics | 1.6 | 1.6 | 1.4 | 1.6 | 1.5 |
| | C11-C22 Aromatics | 2.0 | 2.1 | 1.9 | 2.0 | 2.0 |
| Surrogate Acceptance Range: | Blank | 40-140 % | 40-140 % | 40-140 % | 40-140 % | 40-140 % |
| Aliphatic Surrogate % Rec.: | 91 | 88 | 90 | 89 | 98 | 89 |
| Aromatic Surrogate % Rec.: | 79 | 109 | 114 | 117 | 97 | 128 |
| Fractionation Surrogate Accep. Range: | Blank | 40-140 % | 40-140 % | 40-140 % | 40-140 % | 40-140 % |
| Frac. Surrogate #1 % Rec.: | 47 | 105 | 112 | 62 | 52 | 41 |
| Frac. Surrogate #2 % Rec.: | 93 | 93 | 100 | 98 | 89 | 110 |

MDL = Method Detection Limit RL = Reporting Limit Blank = Laboratory Method Blank

Were all performance/acceptance standards for required QA/QC procedures achieved?

YES No - Details Attached

Was blank correction applied as a significant modification of the method?

Yes **NO**

Were any significant modifications to the EPH method made?

NO Yes - Details Attached

Comments:

EPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: N. C. Department of Transportation Laboratory Name: Prism Laboratories, Inc.
 Project Name: NCDOT Parcel 68 NC Certification # (Lab): 402
 Site Location: Richmond County, NC Sample Matrix: Soil

| Sample Information and Analytical Results | | | | | | |
|---|--------------------|----------------|----------------|----------------|----------------|----------------|
| Method for Ranges: MADEP EPH | | | | | | |
| EPH Surrogate Standards: Aliphatic - 1-Chloro-octadecane / Aromatic - o-Terphenyl | | | | | | |
| EPH Fractionation Surrogates: #1 - 2-Bromonaphthalene / #2 - Fluorobiphenyl | | | | | | |
| Sample Identification: | | 209581 | 209582 | 209583 | 209584 | 209585 |
| Date Collected: | | 03/20/08 | 03/20/08 | 03/20/08 | 03/20/08 | 03/20/08 |
| Date Received: | | 03/21/08 | 03/21/08 | 03/21/08 | 03/21/08 | 03/21/08 |
| Date Extracted: | | 03/31/08 | 03/31/08 | 04/01/08 | 04/01/08 | 04/01/08 |
| Date Analyzed: | | 04/10/08 | 04/11/08 | 04/07/08 | 04/07/08 | 04/07/08 |
| % Dry Solids: | | 82.4 | 88.8 | 83.6 | 93.2 | 93.0 |
| Dilution Factor: | | 1 | 1 | 1 | 1 | 1 |
| Hydrocarbon Ranges in mg/kg: | | Sample Results | Sample Results | Sample Results | Sample Results | Sample Results |
| C9-C18 Aliphatics | | <12 | 13 | 75 | <11 | <11 |
| C19-C36 Aliphatics | | <12 | <11 | <12 | <11 | <11 |
| C11-C22 Aromatics | | <12 | <11 | <12 | <11 | <11 |
| Blank: | C9-C18 Aliphatics | <10 | <10 | <10 | <10 | <10 |
| | C19-C36 Aliphatics | <10 | <10 | <10 | <10 | <10 |
| | C11-C22 Aromatics | <10 | <10 | <10 | <10 | <10 |
| RL: | C9-C18 Aliphatics | 12 | 11 | 12 | 11 | 11 |
| | C19-C36 Aliphatics | 12 | 11 | 12 | 11 | 11 |
| | C11-C22 Aromatics | 12 | 11 | 12 | 11 | 11 |
| MDL: | C9-C18 Aliphatics | 1.1 | 1.0 | 1.1 | 0.98 | 0.95 |
| | C19-C36 Aliphatics | 1.6 | 1.5 | 1.6 | 1.5 | 1.4 |
| | C11-C22 Aromatics | 2.1 | 2.0 | 2.1 | 1.9 | 1.9 |
| Surrogate Acceptance Range: | Blank | 40-140 % | 40-140 % | 40-140 % | 40-140 % | 40-140 % |
| Aliphatic Surrogate % Rec.: | 77 | 98 | 61 | 80 | 101 | 80 |
| Aromatic Surrogate % Rec.: | 93 | 121 | 105 | 99 | 120 | 95 |
| Fractionation Surrogate Accep. Range: | Blank | 40-140 % | 40-140 % | 40-140 % | 40-140 % | 40-140 % |
| Frac. Surrogate #1 % Rec.: | 41 | 92 | 96 | 40 | 105 | 115 |
| Frac. Surrogate #2 % Rec.: | 84 | 101 | 86 | 75 | 52 | 88 |

MDL = Method Detection Limit RL = Reporting Limit Blank = Laboratory Method Blank

Were all performance/acceptance standards for required QA/QC procedures achieved?

YES No - Details Attached

Was blank correction applied as a significant modification of the method?

Yes **NO**

Were any significant modifications to the EPH method made?

NO Yes - Details Attached

Comments:

APPENDIX E
PHOTOGRAPHS



Photograph 1 - Tanks 1 & 2 uncovered.



Photograph 2 – Site restoration.