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## UST CLOSURE REPORT

Parcel 014  
Susan Small Property  
(Former Moss Auto Sales)  
SW Quadrant - South Mebane Street/Alamance Road  
Burlington (Alamance Co.), NC 27215

WBS Element # 34911.1.1  
TIP # U-3303B  
ENMO050002.01

Prepared For:

Don C. Moore, LG  
State of North Carolina  
Department of Transportation  
Geotechnical Unit-GeoEnvironmental Section  
PO Box 25201  
Raleigh, NC 27611

Prepared By:

**Environmental Investigations, Inc.**  
2101 Gateway Centre Blvd., Suite 200  
Morrisville, NC 27560  
Phone: (919) 657-7500  
FAX: (919) 657-7551

December 20 , 2006





STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

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MICHAEL F. EASLEY  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

December 29, 2006

Ms. Cindy Rintoul, LG, Regional Supervisor  
NCDENR, Winston Salem Regional Office  
585 Waughtown Street  
Winston Salem, NC 27107

Subject: TIP: U-3303B  
County: Alamance  
UST Closure Report, Former Moss Auto Sales Property  
Parcel 014, SW Quadrant – South Mebane St/Alamance Rd  
Burlington

Dear Ms. Rintoul:

Enclosed for your file is a copy of the UST Closure Report for the above referenced site.

Facility Name	Former Moss Auto Sales and BP gas station.	Property Owner:	Susan E. Small
	2601 Alamance Rd	UST Owner:	Susan E. Small
	Burlington, NC 27215		120 Hillstone Ct.
			Winston-Salem, NC 27106
Facility I.D. #:	N/A		
Three 550 gallon unregulated USTs, and approximately 157 cubic yards of non-hazardous petroleum contaminated soil were removed from this property on November 14, 2006. This property was acquired as permanent easement.			

Sincerely, 

Terry W. Fox, LG  
GeoEnvironmental Project Manager  
Geotechnical Engineering Unit

Enclosure

CC: Division 7 Right of Way  
File

MAILING ADDRESS:  
NC DEPARTMENT OF TRANSPORTATION  
GEOTECHNICAL ENGINEERING UNIT  
GEOENVIRONMENTAL SECTION  
1589 MAIL SERVICE CENTER  
RALEIGH NC 27699-1589

TELEPHONE: 919-250-4088  
FAX: 919-250-4237

WEBSITE: WWW.DOH.DOT.STATE.NC.US

LOCATION:  
CENTURY CENTER COMPLEX  
BUILDING B  
1020 BIRCH RIDGE DRIVE  
RALEIGH NC 27610

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# UNDERGROUND STORAGE TANK CLOSURE REPORT

*The closure report should contain, at a minimum, the following information. Any other information that is pertinent to the site should be included.*

## I. General Information

### A. Ownership of UST(s)

**1. Name of UST owner:**

N/A – orphaned in NCDOT ROW

**2. Owner address and telephone number:**

N/A

### B. Operator of UST(s)

N/A

### C. Facility Information

**1. Facility name:**

Former Moss Auto Sales.

**2. Facility ID #:**

N/A

**3. Facility address, telephone number and county:**

SW of South Mebane Street/Alamance Road intersection  
Burlington, NC 27215

### D. Contacts

**1. Name, address, telephone number and job title of primary contact person:**

Mr. Terry Fox  
GeoEnvironmental Project Manager  
State of North Carolina Department of Transportation  
Division of Highways/Geotechnical Unit/GeoEnvironmental Section  
1589 Mail Service Center  
Raleigh, North Carolina 27699-1589

**2. Name, address and telephone number of closure contractor:**

Soil Solutions, Inc.  
1703 Vargrave Street  
Winston-Salem North Carolina 27107  
(336) 725-5844

**3. Name, address and telephone number of primary consultant:**

Environmental Investigations, Inc. (EI)  
2101 Gateway Center Blvd, Suite 200  
Morrisville, North Carolina 27560  
(919)657-7500



**4. Name, address, telephone number, and State certification number of laboratory:**  
Prism Laboratories, Inc.  
449 Springbrook Road/P.O. Box 240543  
Charlotte, NC 28224-0543  
(704) 529-6364  
State certification #402

**E. UST Information**

Three underground storage tank (USTs) were permanently closed by removal at the site. **Table 1** presents a summary of pertinent information regarding the UST systems.

Tank No.	Installation (Date)	UST Closure (Date)	UST Capacity Gallons	UST Dimensions Feet	UST Contents
UST-1	unknown	11//14/06	550	5.33 x 3.5	diesel
UST-2	unknown	11//14/06	550	5.33 x 3.5	waste oil
UST-3	unknown	11//14/06	550	5.33 x 3.5	kerosene

**F. Site Characteristics**

**1. Describe any past releases at this site:**

In March 2005, EI performed a Limited Preliminary Site Assessment (PSA) on the subject parcel for the NCDOT. Reportedly, based on the field observations, site activities and laboratory analytical results, a release of petroleum hydrocarbons had occurred on the subject property from petroleum UST(s). The pertinent site features and locations of the USTs are shown on **Figure 2**. A geophysical study of the site that was conducted as a part of the PSA reported the likely presence of two (2) USTs.

**2. Is the facility active or inactive at this time? If the facility is inactive note the last time the USTs were in operation:**

The facility is inactive. The facility, the Moss Auto Sales Company, was an auto service/used auto sales business. The last date of usage for the subject USTs is not known, but may have been last used as recent as January 2005.

**3. Describe surrounding property use (for example, residential, commercial, farming, etc.)**

The subject property is located inside the city limits of Burlington, NC. Land usage in the immediate vicinity of the site is characterized by, commercial, light industrial, and multi-residential properties. The site is bounded on the north by South Mebane Street, by Alamance Road to the east, by Suntrust bank to the south and by an undeveloped parcel to the west.

**4. Describe site geology/hydrogeology**

Site Geology

The subject property is located in the northern portion of the Carolina Slate Belt, which is within the Piedmont physiographic province of North Carolina (**Figure 1**). According to the Geologic Map of North Carolina, published by the North Carolina Department of Natural Resources and Community Development (Brown, 1985), the subject property is underlain by a foliated to massive, metamorphosed gabbro and diorite.





### Site Hydrogeology

As depth to groundwater typically mimics topography and the direction of groundwater flow is towards local discharge areas, groundwater in this area occurs under water table conditions within 15 bgs. Based on topography, the direction of groundwater flow is towards the south/southwest.

## **II. Closure Procedures**

### **A. Describe preparations for closure including the steps taken to notify authorities, permits obtained and the steps taken to clean and purge the tanks.**

#### **Notification of Authorities/Permits**

*A Notice of Intent: UST Permanent Closure or Change-In-Service form (GW/UST-3 rev. 02/2001)* was submitted to the Division of Waste Management (DWM), Underground Tank Storage Section, Winston Salem Regional Office on November 8, 2006. *A Site Investigation Report for Permanent Closure or Change-in Service of UST form (UST-2 rev. 02/2001)* was completed and is included in this report. A fire prevention permit was obtained from the City of Burlington Fire Department prior to UST closure activities. All notification documents and permits are presented in **Appendix A**.

#### **Purging of Tanks**

Purging is the removal of flammable vapors from a tank to deprive a potential fire of any source of fuel. Inerting is the displacement of oxygen from a tank to deprive a potential fire of a source of oxygen. Either purging or inerting causes the displacement of flammable vapors from tanks. The following steps were taken to purge the USTs.

- The petroleum product-water mixture was removed from the USTs by using a vacuum truck.
- Dry ice was placed inside each tank vessel to displace flammable vapors and reduce the oxygen levels.

### **B. Note the amount of residual material pumped from the tank(s):**

A total of 838 gallons of petroleum-water mixture was pumped from the USTs using a vacuum truck for disposal. A copy of the "Certificate of Disposal" for the liquid waste is included in **Appendix B**. See "Site Photographs" in **Appendix C**.

### **C. Describe the storage, sampling and disposal of the residual material:**

The petroleum-water mixture was disposed of by Soil Solutions, Inc. of Winston Salem, NC in a manner approved by NCDENR.

#### **D. Excavation**

##### **1. Describe excavation procedures noting the condition of the soils and the dimensions of the excavation in relation to the tanks, piping and/or pumps:**

Overburden soils were removed and set aside prior to excavating around the tank. Adjacent soils were excavated to loosen the USTs. Following the removal of the USTs, additional petroleum-impacted soils were excavated, loaded onto dump trucks and transported to the treatment facility.

Soils were excavated from two areas: the common tankhold area for UST-1 and UST-2 and secondly, from the area south and east of the tankhold area for UST-3, referred to as "XCAV1" and "XCAV2", respectively (see **Appendix C**).



The final limits of the soil excavation, "XCAV1" measured approximately 20ft x 21ft x 12ft. The final limits of the soil excavation, "XCAV2" measured approximately 19ft x 30ft x 4ft. The final limits of the excavation are shown on **Figure 4** and **Figure 5**.

**2. Note the depth of tank burial(s) (from land surface to top of tank):**

The tank burial depth for the USTs were 2.5 to 3.0 feet below ground surface (bgs).

**3. Quantity of soil removed:**

A total of 235.97 tons of impacted soils were excavated and loaded onto dump trucks for transport to Earth Tec, a disposal facility in Sanford, NC for disposal in a manner approved by the NCDENR. A "Certificate of Disposal" for the impacted soils is included in **Appendix B**.

**4. Describe soil type(s):**

Soils were described by a visual inspection of the exposed soils on the side of the tankpit and on the tankpit floor. Using the Unified Soil Classification System (USCS), the soils are described as: light tan to light brown clayey SILT (ML) to a depth of approximately 4.0 feet bgs; underlain by reddish-brown and orange-brown SAPROLITE (clayey silts and clays) down to 10.0 feet bgs.

**5. Type and source of backfill used:**

Clean backfill was supplied by Soil Solutions, Inc. The backfill consisted of reddish-brown, sandy SILT (ML).

**6. Describe condition of UST system(s)**

The tank vessels were comprised of single-walled steel. Pitting, scaling, and several small holes (0.25 inches to 0.75 inches) were observed on the sides and bottom of the USTs.

**7. Note if the excavation reached the groundwater table or bedrock surface**

At the time of closure activities, groundwater was present in the tankpit at approximately 11.5 feet bgs.

**III. Site investigation**

**A. Provide information on field screening and observations, include methods used to calibrate field screening instrument(s):**

EI personnel screened the closure soil samples collected from the tankpit. Field screening activities were conducted with a MiniRAE Plus photoionization detector (PID). The PID instrument screens the soil for the presence or absence of organic vapors resulting from the volatilization of petroleum hydrocarbons. The PID instrument was zeroed and field calibrated at the beginning of the day. The PID meter is calibrated annually by the manufacturer. The last date of factory calibration for the MiniRAE Plus was on September 5, 2006. A description of the soil lithology was also discussed in Section D-4. A summary of the field screening results showed no indication of organic vapors in any of the samples.

**B. Describe soil sampling points and sampling procedures used, including:**

- Location of samples
- Type of samples (from excavation, stockpiled soil, etc.)
- Sample collection procedures (grab, split spoon, hand auger, etc.)
- Depth of soil samples (below land surface)
- Sample identification and sample analyses



Location of Soil Samples:

The locations of closure soil sample(s) are depicted in **Figure 3**.

Type of Soil Samples:

Following the removal of the USTs, one (1) grab sample was collected from beneath each UST using a trackhoe bucket. The soil sample was collected from the midline beneath each UST. Following excavation activities, confirmation soil samples were obtained from the sidewalls and the floor of the excavations.

Soil Sample Collection Procedures:

Soil samples were collected from the backhoe bucket using either latex or nitrile gloves. The samples were split and subsequently placed in a sealable plastic bag for soil field screening and placed into laboratory prepared containers for potential submittal for laboratory analysis.

Soil Sample Depths, Location within tankpit Identification, and Analyses:

Refer to **Table 2** for the results of the soil head-space screenings (VOCs), the UST closure sample identification ("UST1-8.5"), sample types, sample collection depths and sample analytical methods, if applicable. Refer to **Table 3** for the results of the soil head-space screenings activities (VOCs), the confirmation soil sample identifications, sample types, sample collection depths and sample analytical methods, if applicable. Refer to **Figure 3** and **Figure 4** for the locations of the confirmation samples. Sample designations such as "2XCAV5-3.5", refers to the fifth sample collected from excavation number "2" at a depth range of three and one-half (3.5) feet bgs to four (4.0) feet bgs.

UST Closure Samples:

The number of soil samples collected beneath the UST was based on there being indications of a release from the tank vessels. See **Figure 3** for an illustration of the UST closure sample locations.

**C. Describe groundwater or surface water sampling procedures used, including:**

- **Location of samples**
- **Sample collection procedures (grab, bailer, etc.)**
- **Sample identification**
- **Sample analyses**

A former water supply well was discovered during site activities at the northeastern portion of the subject property. The well casing was six (6) inches in diameter and measured approximately 110 feet deep. The top of the well casing was approximately five (5) feet bgs, the upper section of which was partially filled with sediment.

The NCDOT was notified of this discovery prior to proceeding. The former water supply well was not sampled because of the lack of specific information regarding well construction/design, history, usage, etc. The former water supply well was properly abandoned by SEI, LLC, a licensed drilling contracting company, of Statesville, NC. A copy of the well abandonment record is presented in **Appendix D**.

Location of Groundwater Sample:

Groundwater quality was not assessed for this UST closure project; therefore, the following three items do not apply.



Groundwater Sample Collection Procedures:

N/A

Groundwater Sample Identification:

N/A

Groundwater Sample Analyses:

N/A

Surface water: Surface water was not observed onsite; therefore, no surface water sampling was conducted.

**D. Quality control measures**

- Describe sample handling procedures including sample preservation and transportation
- Describe decontamination procedures used
- Describe time and date samples were collected and date submitted to a lab
- Describe samples collected for quality control purposes (e.g. duplicates, field blanks, trip blanks, etc.) Include methods used to obtain these samples and analytical parameters.
- Discuss how results of quality control samples may have affected your interpretation of soil, groundwater or surface water sample results

**Sample Handling Procedures**

The sample handling procedures were conducted as follows:

- 1) Disposable surgical latex or nitrile gloves were used to avoid cross contamination of samples. Gloves were discarded in a designated "waste-bag" after each sample was collected.
- 2) Each soil sample upon collection was immediately stored in a cooler containing ice. During the sample collection process, care was taken to insure the samples were not collected in direct sunlight. In addition, during the collection process, no parts of the body without gloves touched any part of the sample.
- 3) Once placed into the cooler, each sample was protected with bubble-wrap and foam was inserted in the base, sides and top of the cooler.

**Soil Sample Preservation**

The samples were immediately placed in a cooler with ice upon collection, where they remained until the laboratory took custody. In addition, samples selected to be analyzed for volatile organics (VOCs) by EPA Method 8260/5035; and for aliphatic and aromatic hydrocarbons by the Massachusetts' Department of Environmental Protection (MADEP) Methods, were preserved by methanol and sodium bisulfate, according to laboratory protocol. No preservatives were used for the semi-volatile organics (SVOCs) analysis by EPA Method 8270, or for extractable petroleum hydrocarbons (EPH).

**Groundwater Sample Preservation**

N/A

**Sample Transportation**

The cooler containing the sample was picked up by a courier service. The courier hand-delivered





the coolers directly to Prism Laboratories, Inc., located in Charlotte, North Carolina under chain-of-custody (COC) protocol. The following protocol was used for sample handling and/or transportation:

- 1) The lids on all bottles were tightened to reduce the potential for leakage.
- 2) The sample identification label on each individual laboratory container was covered with a clear piece of plastic tape. Each soil container was then placed within a bubble-wrap sealed bag and then within an appropriately sized polyethylene bag and sealed.
- 3) The grouped containers were placed into a bubble-wrap lined rectangular ice chest (cooler).
- 4) Ice was placed on top and surrounding bubble-wrap sample containers. Some of the remaining spaces between the containers were filled with bubble-wrap.
- 5) The cooler drain plug was secured with clear tape.
- 6) The COC was double plastic bagged and was taped to the inner side of the cooler lid.
- 7) The cooler was closed and securely taped.

#### **Decontamination Procedures**

Decontamination is the process of washing, rinsing and removing contaminants from exposed surfaces of equipment. Decontamination helps prevent the spread of contamination off-site, and avoids cross-contamination to other samples. The decontamination procedures were performed as follows:

- 1) Disposable surgical latex and/or nitrile gloves were used in lieu of decontamination procedures to collect soil samples.
- 2) The sampling equipment used for field sample preparation, sample preservation and sample storage was thoroughly cleaned to remove contamination before use. Decontamination was performed both at the office and in the field.

#### **Soil and Groundwater Sample Dates, Times & Submittal to Laboratory**

The specific collection dates, sampling times and laboratory submittal information for the soil samples may be referenced on the COCs presented in **Appendix E**.

#### **Quality Control Soil and Groundwater Samples**

Quality control soil and groundwater samples were not collected.

#### **Quality Control Soil and Groundwater Sample Results and Interpretation**

Not applicable.

#### **E. Investigation results**

- Describe methods of analyses used (include U.S. EPA method number)
- Describe analytical results for samples; discuss in relation to site specific cleanup level or action level, as appropriate.

#### **Methods of Analyses**

##### Soil Samples:

Since there were obvious indications of petroleum impact observed during closure activities, soil samples were analyzed by the following laboratory analytical methods: by the approved Risked-Based Analytical methods, EPA Method 8260/5035 for VOCs, by EPA Method 8270 for SVOCs, and by the MADEP Methods for volatile and extractable petroleum hydrocarbons (VPHs and



EPHs). The confirmation soil samples were analyzed by the same analytical methods as listed above.

Groundwater Sample:

N/A

**Soil Analytical Results**

UST Closure:

Laboratory analytical results from the UST closure soil samples showed detectable amounts of VOCs and SVOCs, extractable, and volatile petroleum hydrocarbons in the samples ("UST1-8.5" and "UST2-8.5") above the current DWM, UST Section's Maximum Soil Contaminant Concentrations (MSCCs). The laboratory analytical results for the closure soil sample for UST3, "UST3-8.5", did not report any detectable compounds or extractable and volatile petroleum hydrocarbons. Refer to **Table 2** for a summary of the Risked-Based laboratory analytical results for the closure samples. **Figure 3** depicts the locations of the closure soil samples and laboratory analytical results.

Laboratory analytical results from the confirmation soil samples obtained following soil remediation activities reported the presence of residual/ low level concentrations of VOCs, SVOCs, extractable, volatile petroleum hydrocarbons. According to the laboratory analytical report, four (4) of the total 16 confirmation soil samples contained VOCs above current MSCC standards. Refer to **Table 3** for a summary of the laboratory analytical results for the confirmation soil samples, as well as the current MSCC standards. **Figures 4 and 5** depict the locations of the confirmation soil samples and laboratory analytical results.

**Groundwater Analytical Results**

N/A

**IV. Conclusions**

**Include probable sources of contamination, further investigation or remediation tasks, or whether no further action is required.**

**Conclusions**

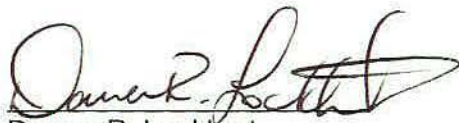
EI has reviewed the information obtained during the closure of the UST at the subject site. Based upon the field activities, site observations, field indicators, soil sample analyses, the following conclusions and a summary of findings are presented:

- Three (3) 550-gallon capacity steel USTs formerly storing diesel, waste oil, and kerosene were permanently closed on November 14, 2006.
- Upon inspection of subsurface soils, there were obvious visual indications of a release of petroleum hydrocarbons (i.e., stained soils, strong petroleum odors, etc.) from at least two (2) of the USTs.
- The laboratory analytical results from the UST closure soil samples, "UST1-8.5" and "UST2-8.5", indicated the presence of volatile organics, extractable and volatile petroleum hydrocarbons in the sample at levels above the respective MSCC standards.

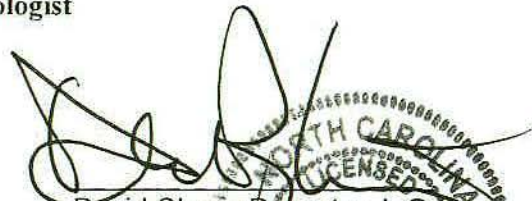
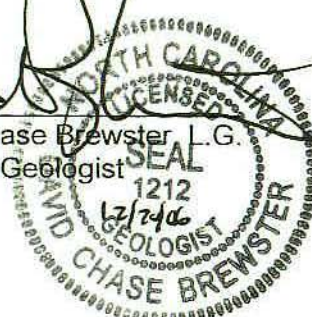


- Within the scope-of-work for this project, a total of 235.97 tons of petroleum-impacted soils were removed from the two excavation areas and transported to Earth Tec in Sanford, NC Inc. for disposal and treatment.
- The laboratory analytical results from the confirmation soil samples indicated that the remaining soils located near the southwest portion and the floor of the easternmost excavation, "2XCAV", contained residual petroleum hydrocarbons at concentrations above the respective MSCC standards.
- The laboratory analytical results from the confirmation soil samples indicated that the remaining soils located along the northern sidewall of the westernmost excavation, "1XCAV", contained regulated compounds above the respective MSCC standards.
- One water supply well was discovered on the subject property and was properly abandoned by a licensed drilling contractor.
- Based on the available information, there has been a release of petroleum hydrocarbons at the site and the soils remaining in the subsurface after excavation activities contain petroleum hydrocarbons above the current regulatory standards; and thus, are reportable to the NCDENR, DWM, UST Section.

**V. Signature of Professional Engineer or Licensed Geologist**



Darren R. Lockhart  
Project Manager/Environmental Geologist

David Chase Brewster, L.G.  
Principal Geologist



## VI. Enclosures

### A. Tables

1. UST Inventory (UST Information)
2. Summary of Soil Analytical Results: TPH (Sample identifications, depths, and analyses)
3. Summary of Soil Analytical Results: Risked-Based Methods (Sample identifications with results and the dates that samples were taken).

### B. Figures

1. Site Location Map [(Area Map(s) (can be USGS Topographic Quadrangle)] showing:
  - Adjacent streets, roads, highways with names and numbers;
  - Buildings;
  - Surface water bodies;
  - Groundwater flow direction (if available);
  - North arrow
2. Site Map (Site map illustrating the UST excavation area, drawn to scale, showing):
  - Buildings;
  - Underground utilities such as sewer lines and other conduits;
  - Orientation of current and former UST and product line
  - Length, diameter and volume of current and former USTs;
  - Type of material(s) stored in USTs (currently and previously);
  - Sample locations (identified by letter or number);
  - North arrow
3. Analytical Results Map – UST Closure:
  - Orientation of UST(s) and product line(s);
  - Sample locations, depths,
  - Summary table of laboratory analytical results
4. Analytical Results Map – “1XCAV” Confirmation Samples
  - Limits of excavation
  - Confirmation sample locations
  - Summary table of laboratory analytical results
5. Analytical Results Map – “2XCAV” Confirmation Samples
  - Limits of excavation
  - Confirmation sample locations
  - Summary table of laboratory analytical results

### C. Appendices

- Appendix A - Notification documents
- Appendix B – Non-Hazardous Waste Manifest
- Appendix C – Well Abandonment Records
- Appendix D – Site Photographs
- Appendix E - Laboratory Analytical Report





TABLES



**TABLE 2**  
**Summary of Soil Analytical Results-Risk Based**  
**Parcel-014**  
**Susan Small Property (Fmr. Moss Auto Sales)**  
**S. Mebane St./Alamance Rd.**  
**Burlington (Alamance Co.), NC**  
**ENMO050002.01**

Sample Identification				UST1-8.5	UST2-8.5	UST3-8.5
Sample Depth - Feet				8.0-8.5	8.0-8.5	8.0-8.5
Sample Date				11/14/2006	11/14/2006	11/14/2006
Field Screening Results-PID (ppm)				63	97.5	12
Laboratory Analysis	Cleanup Standards (MSCC)			LABORATORY RESULTS (mg/kg)		
	Residential MSCC (mg/kg)	Industrial/Commercial MSCC (mg/kg)	Soil-to-GW MSCC (mg/kg)			
<b>MADEP VPH</b>						
C5-C8 aliphatics	939	24,528	72	BRL	BRL	BRL
C9-C12 aliphatics	9386	245280	3255	160	270	BRL
C9-C10 aromatics	469	12264	34	<b>210</b>	<b>140</b>	BRL
<b>MADEP EPH</b>						
C9-C18 aliphatics	9386	245280	3255	1200	<b>3800</b>	BRL
C19-C36 aliphatics	93860	*	Immobile	150	<b>620</b>	BRL
C11-C22 aromatics	469	12264	206	<b>740</b>	<b>2300</b>	BRL
<b>Volatile Organic</b>						
GCMS 8260 (8021)	Cleanup Standards (MSCC)			LABORATORY RESULTS (mg/kg)		
	Residential MSCC (mg/kg)	Industrial/Commercial MSCC (mg/kg)	Soil-to-GW MSCC (mg/kg)			
benzene	22	220	0.0056	BRL	BRL	BRL
toluene	3200	82000	7.3	BRL	BRL	BRL
ethylbenzene	1560	40000	0.24	0.0027J	0.0028J	BRL
xylene (total)	3129	81760	5	0.0045J	BRL	BRL
isopropylbenzene	1564	40880	1.7	BRL	0.02	BRL
isopropyl ether (IPE)	156	4088	0.37	BRL	BRL	BRL
4-isopropyltoluene	NS	NS	NS	<b>0.14</b>	BRL	BRL
naphthalene	313	8176	0.58	BRL	BRL	BRL
n-propylbenzene	626	16350	1.7	0.009	BRL	BRL
n-butylbenzene	626	16350	4.3	0.074	BRL	BRL
sec-butylbenzene	626	16350	3.3	1.7	0.14	BRL
tert-butylbenzene	626	16350	3.4	0.023	0.066	BRL
1,2,4-trimethylbenzene	782	20440	7.5	0.024	BRL	BRL
1,3,5-trimethylbenzene	782	20440	7.3	BRL	BRL	BRL
tetrachlorethene	12	110	0.0074	BRL	BRL	BRL
Remaining Analytes				BRL	BRL	BRL
<b>Semivolatile Organic Compounds</b>						
GCMS 8270	Cleanup Standards (MSCC)			LABORATORY RESULTS (mg/kg)		
	Residential MSCC (mg/kg)	Industrial/Commercial MSCC (mg/kg)	Soil to Groundwater MSCC (mg/kg)			
fluoranthene	620	16400	44	0.21J	BRL	BRL
2-methylnaphthalene	63	1635	3	BRL	4.1	BRL
naphthalene	63	1635	0.58	BRL	BRL	BRL
pyrene	469	12264	290	0.58	0.67J	BRL
phenanthrene	469	12264	60	2.9	2.9	BRL
All Remaining Analytes				BRL	BRL	BRL

**NOTE:**

\* = Health-based level > 100%

NS = No Standard

ND= Not Detected at or above laboratory detection limits.

mg/kg=parts per million (ppm)

MSCC= Maximum Soil Contamination Concentrations

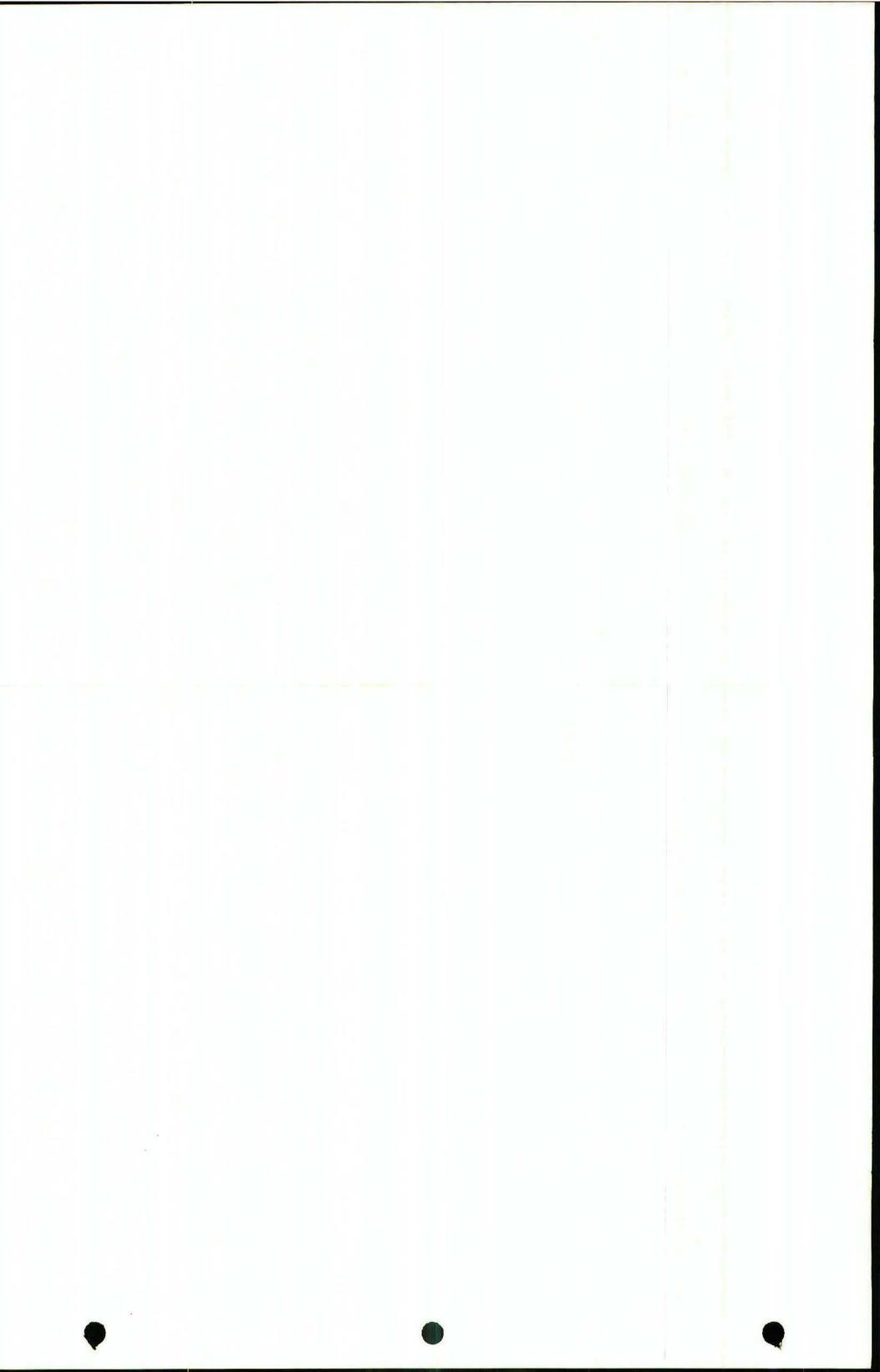
**Bold Font/Italics** : denotes above MSCC Cleanup Standards



**TABLE 3**  
**Summary of Soil Analytical Results-Confirmation Soil Samples**  
**Parcel-014**  
**Susan Small Property (Fmr. Moss Auto Sales)**  
**S. Mebane St./Alamance Rd.**  
**Burlington (Alamance Co.), NC**  
**ENMO050002.01**

Sample Identification				2XCAV1-3.5	2XCAV2-3.5	2XCAV3-3.5	2XCAV4-3.5	2XCAV5-3.5	2XCAV6-3.5	2XCAV7-4.0	2XCAV8-4.0	1XCAV1-12.0	1XCAV2-12.0	1XCAV3-11.0	1XCAV4-11.0	1XCAV5-11.0	1XCAV6-11.0	1XCAV7-11.0	1XCAV8-11.0	
Sample Depth - Feet				3.5-4.0	3.5-4.0	3.5-4.0	3.5-4.0	3.5-4.0	3.5-4.0	4.0-4.5	4.0-4.5	12.0-12.5	12.0-12.5	11.0-11.5	11.0-11.5	11.0-11.5	11.0-11.5	11.0-11.5	11.0-11.5	11.0-11.5
Sample Date				11/15/2006																
Field Screening Results-PID (ppm)				0.8	0.8	1.2	1	4.6	2.5	0.2	0.6	5.3	3.3	0.4	1.6	1.2	0.5	0.6	2.1	
Laboratory Analysis	Cleanup Standards (MSCC)			LABORATORY RESULTS (mg/kg)																
	Residential MSCC (mg/kg)	Industrial/Commercial MSCC (mg/kg)	Soil-to-GW MSCC (mg/kg)																	
<b>MADEP VPH</b>																				
C5-C8 Aliphatics	939	24,528	72	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
C9-C12 aliphatics	9386	245280	3255	BRL	BRL	BRL	BRL	BRL	16	BRL	BRL	29	12	BRL	BRL	35	BRL	BRL	BRL	BRL
C9-C10 aromatics	469	12264	34	BRL	BRL	BRL	BRL	BRL	6.3J	BRL	BRL	17	20	BRL	BRL	120	BRL	BRL	BRL	BRL
<b>MADEP EPH</b>																				
C9-C18 aliphatics	9386	245280	3255	54	BRL	15	BRL	BRL	BRL	BRL	BRL	57	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
C19-C36 aliphatics	93860	*	Immobile	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	20	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
C11-C22 aromatics	469	12264	206	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
<b>Volatile Organic</b>																				
<b>GCMS 8260 (8021)</b>																				
benzene	22	220	0.0056	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	0.0033 J	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
toluene	3200	82000	7.3	0.014	BRL	BRL	BRL	BRL	BRL	BRL	BRL	0.047	0.0029 J	BRL	BRL	BRL	BRL	BRL	BRL	BRL
ethylbenzene	1560	40000	0.24	0.011	0.0034J	0.018	0.019	0.45	BRL	0.01	0.055	0.022	0.0025 J	BRL	BRL	BRL	BRL	BRL	BRL	0.0030 J
xylenes (total)	3129	81760	5	0.066	0.013	BRL	0.0285	1.14	0.0048J	0.0339	0.151	0.129	0.0131	BRL	BRL	BRL	BRL	BRL	BRL	0.0197
isopropylbenzene	1564	40880	2	0.0048J	BRL	0.0034J	0.0041J	0.16	BRL	0.0040J	0.03	0.0037 J	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
isopropyl ether (IPE)	156	4088	0.37	BRL	BRL	0.0548	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
4-isopropyltoluene	NS	NS	NS	0.0055J	0.0029J	0.002J	BRL	0.096	BRL	0.0037J	0.021	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
methylene chloride	85	763	0.02	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	0.027	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
naphthalene	63	1635	0.58	0.089	0.03	0.02	0.03	2.8	0.019	0.89	0.91	0.084	0.014	BRL	BRL	BRL	BRL	BRL	BRL	0.024
n-propylbenzene	156	4088	2	0.0097	0.0026J	0.0088	0.014	0.95	0.0019J	0.019	0.15	0.013	0.014	BRL	BRL	BRL	BRL	BRL	BRL	0.0028 J
n-butylbenzene	156	4088	4	0.023	0.0068	BRL	0.015	0.78	BRL	0.027	0.21	0.018	BRL	BRL	BRL	BRL	BRL	BRL	BRL	0.0028 J
sec-butylbenzene	156	4088	3	0.011	0.0027J	BRL	0.0043J	0.16	BRL	BRL	0.037	0.0052 J	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
tert-butylbenzene	626	16350	3.4	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-trimethylbenzene	782	20440	7.5	0.065	0.028	0.048	0.04	6.8	0.16	0.15	1.9	0.099	0.01	BRL	BRL	BRL	BRL	BRL	BRL	0.024
1,3,5-trimethylbenzene	782	20440	7.3	0.019	0.0068	0.015	0.011	1.5	0.0041J	0.036	0.52	0.027	0.0028J	BRL	BRL	BRL	BRL	BRL	BRL	0.0068
1,2,3-trichloropropane	NS	NS	NS	BRL	BRL	BRL	BRL	0.015	BRL	BRL	0.0033J	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
tetrachlorethene	12	110	0.0074	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Remaining Analytes				BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
<b>Semivolatile Organic Compounds</b>																				
<b>GCMS 8270</b>																				
fluorene	620	16400	44	BRL	BRL	BRL	BRL	BRL	BRL	BRL	NA	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	NA
fluoranthene	620	16400	280	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	0.13 J	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-methylnaphthalene	63	1635	3	0.27J	BRL	BRL	BRL	BRL	BRL	BRL	0.23J	0.31J	BRL	BRL	BRL	BRL	BRL	BRL	BRL	0.23J
naphthalene	63	1635	0.58	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
pyrene	469	12264	290	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	0.12 J	BRL	BRL	BRL	BRL	BRL	BRL	BRL
phenanthrene	469	12264	60	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	0.11 J	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Remaining Analytes				BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL

NOTE:  
 \* = Health-based level > 100%  
 NS = No Standard  
 ND= Not Detected at or above laboratory detection limits.  
 mg/kg=parts per million (ppm)  
 MSCC= Maximum Soil Contamination Concentrations  
 Bold Font/Italics: denotes above MSCC Cleanup Standards



**FIGURES**







FIG NO.	1
JOB NO.:	ENM0050002.01
DRAWN BY:	DRL
CHECKED BY:	DCB
DATE:	12/20/06
SCALE:	as shown

**SITE LOCATION MAP**

PARCEL 014 - Susan Small Property  
(Moss Auto Sales)  
South Mebane Street & Alamance Road  
Burlington, NC 27215





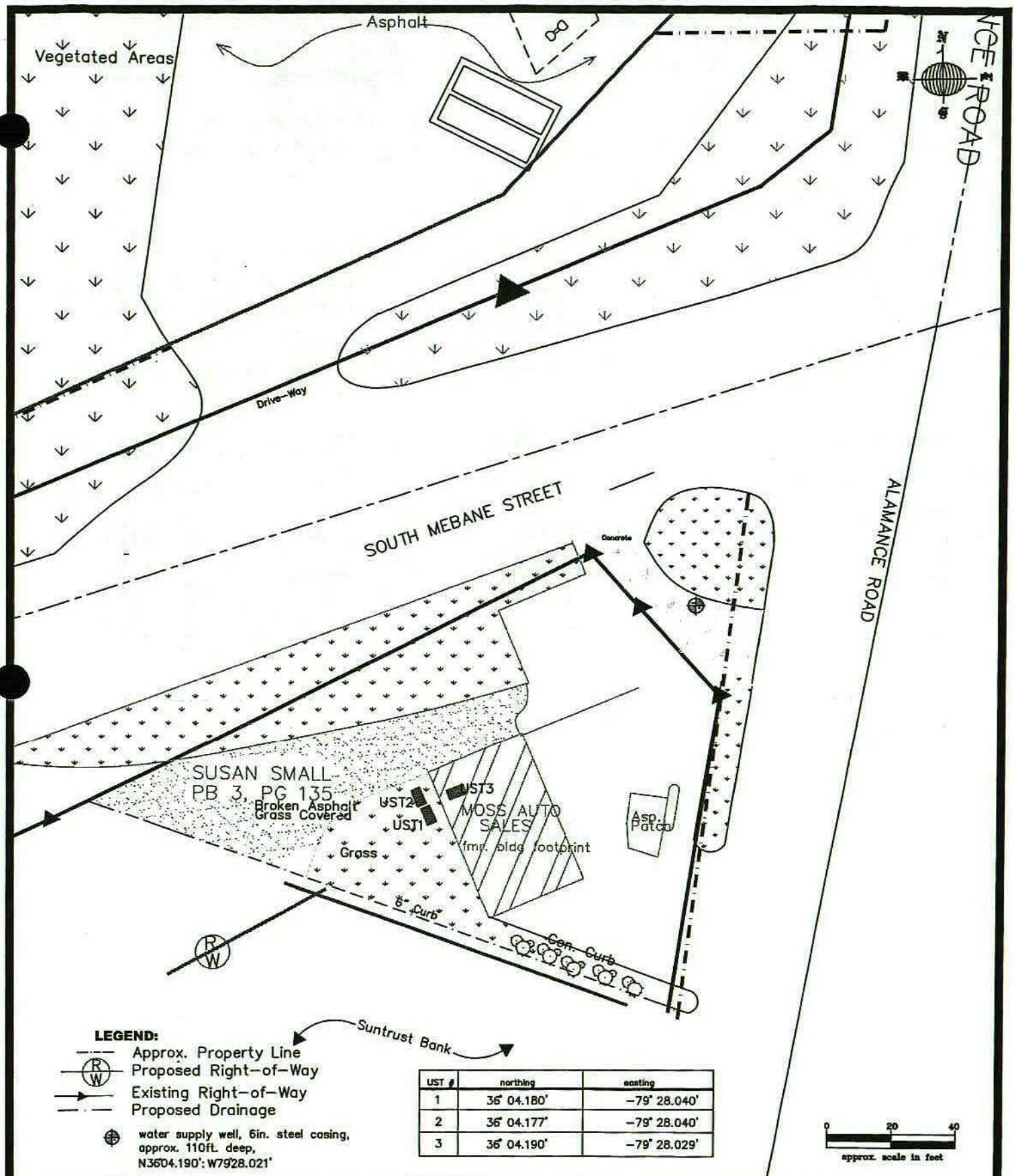


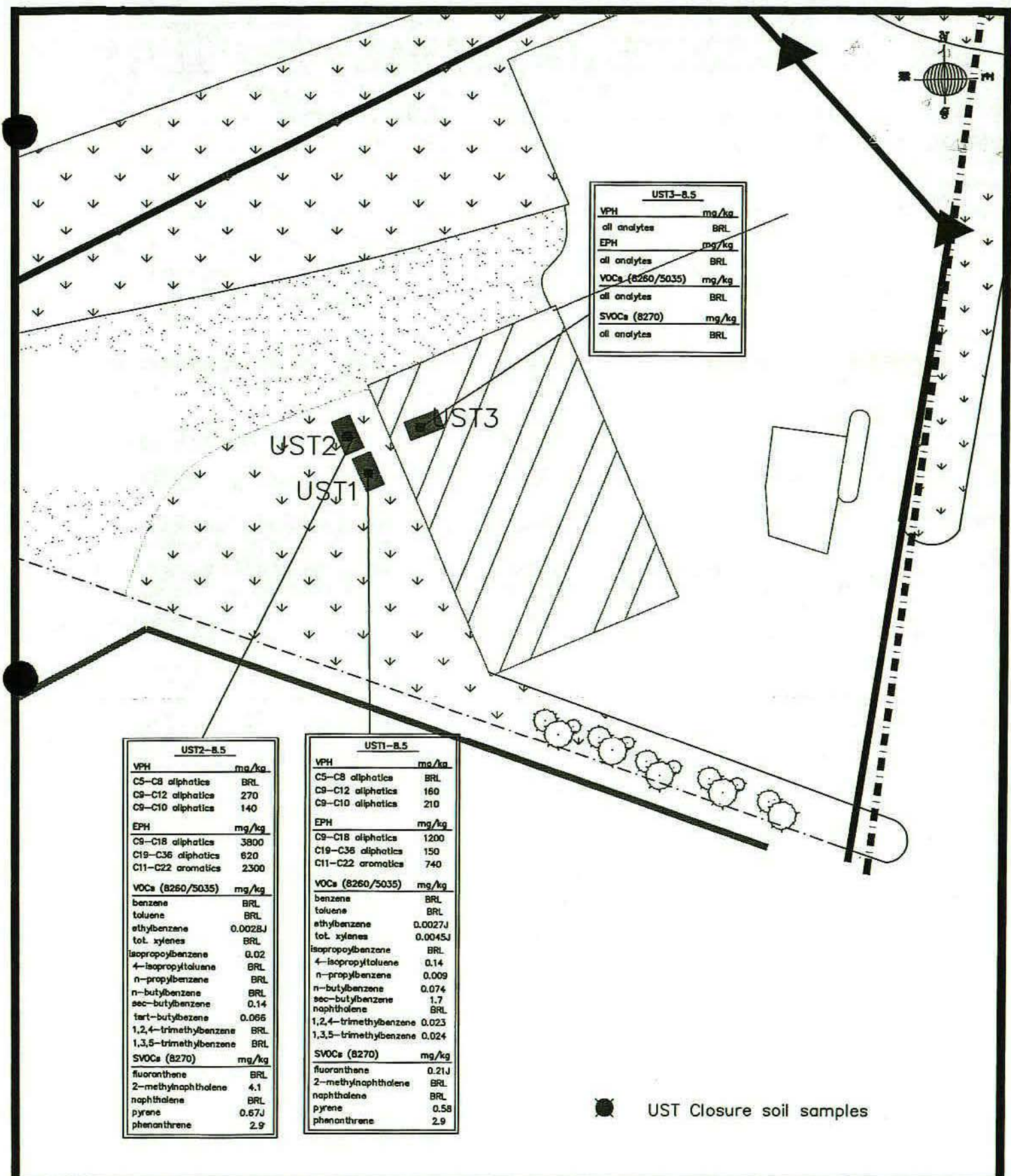
FIG NO.	2
JOB NO.:	ENM0050002.01
DRAWN BY:	RMS/DRL
CHECKED BY:	DCB
DATE:	12/08/06
SCALE:	1" = 40'

**SITE MAP**

PARCEL 014  
Susan Small Property  
(Moss Auto Sales)  
South Mebane Street & Alamance Road  
Burlington, NC 27215

**E.I.**  
ENVIRONMENTAL INVESTIGATIONS, INC.





UST3-8.5	
VPH	mg/kg
all analytes	BRL
EPH	mg/kg
all analytes	BRL
VOCs (8260/5035)	mg/kg
all analytes	BRL
SVOCs (8270)	mg/kg
all analytes	BRL

UST2-8.5	
VPH	mg/kg
C5-C8 aliphatics	BRL
C9-C12 aliphatics	270
C9-C10 aliphatics	140
EPH	mg/kg
C9-C18 aliphatics	3800
C19-C36 aliphatics	820
C11-C22 aromatics	2300
VOCs (8260/5035)	mg/kg
benzene	BRL
toluene	BRL
ethylbenzene	0.0028J
tol. xylenes	BRL
isopropylbenzene	0.02
4-isopropyltoluene	BRL
n-propylbenzene	BRL
n-butylbenzene	BRL
sec-butylbenzene	0.14
tert-butylbenzene	0.066
1,2,4-trimethylbenzene	BRL
1,3,5-trimethylbenzene	BRL
SVOCs (8270)	mg/kg
fluoranthene	BRL
2-methylnaphthalene	4.1
naphthalene	BRL
pyrene	0.67J
phenanthrene	2.9

UST1-8.5	
VPH	mg/kg
C5-C8 aliphatics	BRL
C9-C12 aliphatics	160
C9-C10 aliphatics	210
EPH	mg/kg
C9-C18 aliphatics	1200
C19-C36 aliphatics	150
C11-C22 aromatics	740
VOCs (8260/5035)	mg/kg
benzene	BRL
toluene	BRL
ethylbenzene	0.0027J
tol. xylenes	0.0045J
isopropylbenzene	BRL
4-isopropyltoluene	0.14
n-propylbenzene	0.009
n-butylbenzene	0.074
sec-butylbenzene	1.7
naphthalene	BRL
1,2,4-trimethylbenzene	0.023
1,3,5-trimethylbenzene	0.024
SVOCs (8270)	mg/kg
fluoranthene	0.21J
2-methylnaphthalene	BRL
naphthalene	BRL
pyrene	0.58
phenanthrene	2.9

● UST Closure soil samples

FIG NO.	3
JOB NO.:	ENM0050002.01
DRAWN BY:	RMS/DRL
CHECKED BY:	DCB
DATE:	12/14/06
SCALE:	1" = 20'

**SOIL ANALYTICAL RESULTS MAP**  
 UST Closure Soil Samples  
 PARCEL 014 - Susan Small Property  
 (Moss Auto Sales)  
 Alamance Road & South Mebane Street  
 Burlington, NC 27215





SOUTH MEBANE



1XCAV8-12.0	
VPH	mg/kg
all analytes	BRL
EPH	mg/kg
all analytes	BRL
VOCs (8260/5035)	mg/kg
benzene	0.028J
toluene	0.025J
ethylbenzene	0.0131
tot. xylenes	BRL
isopropylbenzene	BRL
methylene chloride	BRL
n-propylbenzene	0.018
n-butylbenzene	0.0052J
naphthalene	0.084
1,2,4-trimethylbenzene	0.01
1,3,5-trimethylbenzene	0.0025J
SVOCs (8270)	mg/kg
fluoranthene	0.13J
2-methylnaphthalene	BRL
naphthalene	BRL
pyrene	0.12J
phenanthrene	0.11J

1XCAV1-12.0	
VPH	mg/kg
C5-C8 aliphatics	BRL
C9-C12 aliphatics	12
C9-C10 aliphatics	20
EPH	mg/kg
C9-C18 aliphatics	57
C19-C36 aliphatics	20
C11-C22 aromatics	BRL
VOCs (8260/5035)	mg/kg
benzene	0.0033J
toluene	0.047
ethylbenzene	0.022
tot. xylenes	0.129
isopropylbenzene	0.0057J
methylene chloride	0.027
n-propylbenzene	0.013
n-butylbenzene	0.018
sec-butylbenzene	0.0052J
naphthalene	0.084
1,2,4-trimethylbenzene	0.099
1,3,5-trimethylbenzene	0.027
SVOCs (8270)	mg/kg
fluoranthene	BRL
2-methylnaphthalene	0.31J
naphthalene	BRL
pyrene	BRL
phenanthrene	BRL

1XCAV8-11.0	
VPH	mg/kg
all analytes	BRL
EPH	mg/kg
all analytes	BRL
VOCs (8260/5035)	mg/kg
benzene	BRL
toluene	BRL
ethylbenzene	0.0030J
tot. xylenes	0.0197
isopropylbenzene	BRL
4-isopropyltoluene	BRL
n-propylbenzene	0.0028J
n-butylbenzene	0.0028J
sec-butylbenzene	BRL
naphthalene	0.824
1,2,4-trimethylbenzene	0.024
1,3,5-trimethylbenzene	0.0068
SVOCs (8270)	mg/kg
fluoranthene	BRL
2-methylnaphthalene	0.23J
naphthalene	BRL
pyrene	BRL
phenanthrene	BRL

1XCAV7-11.0	
VPH	mg/kg
all analytes	BRL
EPH	mg/kg
all analytes	BRL
VOCs (8260/5035)	mg/kg
all analytes	BRL
SVOCs (8270)	mg/kg
all analytes	BRL

1XCAV6-11.0	
VPH	mg/kg
all analytes	BRL
EPH	mg/kg
all analytes	BRL
VOCs (8260/5035)	mg/kg
all analytes	BRL
SVOCs (8270)	mg/kg
all analytes	BRL

1XCAV5-11.0	
VPH	mg/kg
all analytes	BRL
EPH	mg/kg
all analytes	BRL
VOCs (8260/5035)	mg/kg
all analytes	BRL
SVOCs (8270)	mg/kg
all analytes	BRL

1XCAV3-11.0	
VPH	mg/kg
all analytes	BRL
EPH	mg/kg
all analytes	BRL
VOCs (8260/5035)	mg/kg
all analytes	BRL
SVOCs (8270)	mg/kg
all analytes	BRL

1XCAV4-11.0	
VPH	mg/kg
C5-C8 aliphatics	BRL
C9-C12 aliphatics	35
C9-C10 aliphatics	120
EPH	mg/kg
all analytes	BRL
VOCs (8260/5035)	mg/kg
all analytes	BRL
SVOCs (8270)	mg/kg
all analytes	BRL

**LEGEND:**  
 Approx. Property Line  
 Proposed Right-of-Way  
 Existing Right-of-Way  
 confirmation sample

0 10 20  
  
 approx. scale in feet

FIG NO.	4
JOB NO.:	ENM0050002.01
DRAWN BY:	RMS/DRL
CHECKED BY:	DCB
DATE:	12/14/06
SCALE:	1" = 20'

**SOIL ANALYTICAL RESULTS MAP**  
 "1XCAV" CONFIRMATION SAMPLES  
 PARCEL 014 - Susan Small Property  
 (Moss Auto Sales)  
 South Mebane Street & Alamance Road  
 Burlington, NC 27215







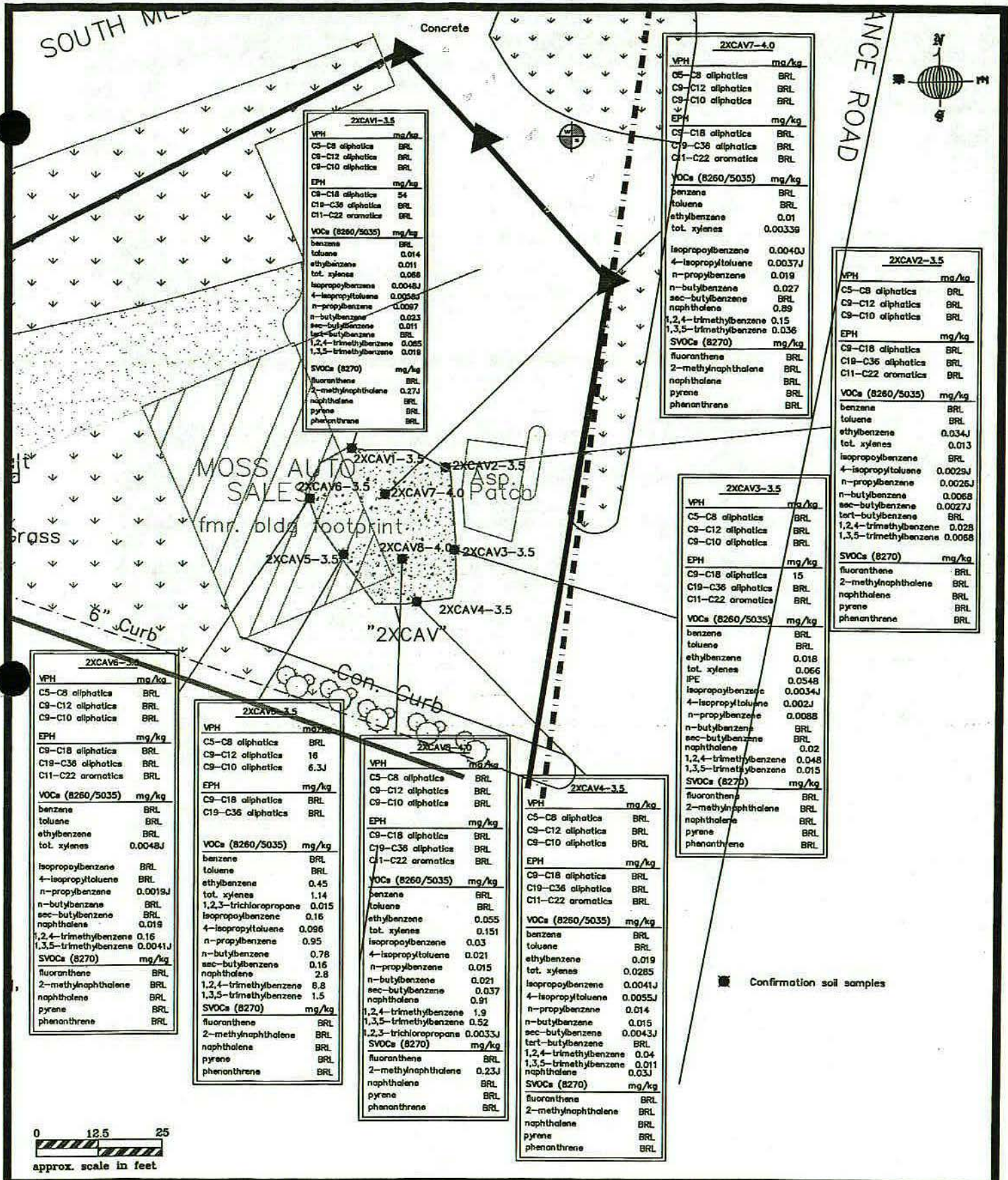
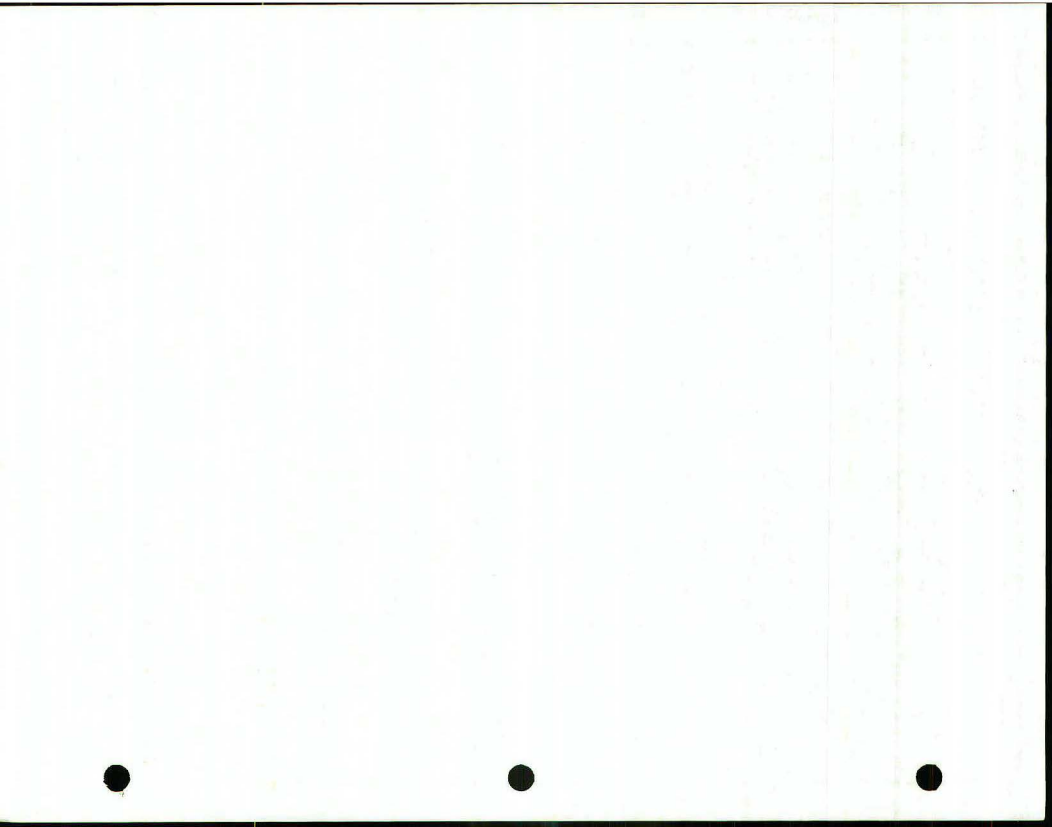


FIG NO.	5
JOB NO.:	ENM0050002.01
DRAWN BY:	RMS/DRL
CHECKED BY:	DCB
DATE:	12/14/06
SCALE:	1" = 25'

**SOIL ANALYTICAL RESULTS MAP**  
**"2XCAV" CONFIRMATION SAMPLES**  
 PARCEL 014 - Susan Small Property  
 (Moss Auto Sales)  
 South Mebane Street & Alamance Road  
 Burlington, NC 27215





APPENDIX A

NOTIFICATION DOCUMENTS



# UST-3 Notice of Intent: UST Permanent Closure of Change-in-Service

**FOR TANKS IN  
NC**

Return completed form to:  
The DWM Regional Office located in the area where the facility is located. SEE MAP ON THE BACK  
OF THIS FORM FOR REGIONAL OFFICE ADDRESSES.

STATE USE ONLY  
I.D. # \_\_\_\_\_  
Date Received \_\_\_\_\_

## INSTRUCTIONS

Complete and return at least five (5) working days prior to closure or change-in-service if a Professional Engineer (P.E.) or a Licensed Geologist (L.G.) provides supervision for closure or change-in-service site assessment activities and signs and seals all closure reports. Otherwise, a thirty (30) day notice is required.

### I. OWNERSHIP OF TANKS

Owner Name (Corporation, Individual, Public Agency, or Other Entity) ORPHAN UST IN NCDOT R.D.W.  
 Street Address PARCEL 014 SW of S. MEDALE ST. ALAMANCE  
BURLINGTON County ALAMANCE  
 City N/C State NC Zip Code 27215  
 Area Code \_\_\_\_\_ Phone Number \_\_\_\_\_

### II. LOCATION

Facility Name or Company EMER. MOBILE AUTO SALES (SUSAN SMALL PROPERTY)  
 Facility ID # (if known) \_\_\_\_\_  
 Street Address \_\_\_\_\_  
 City BURLINGTON County ALAMANCE Zip Code 27215  
 Area Code \_\_\_\_\_ Phone Number \_\_\_\_\_

### III. CONTACT PERSONNEL

Name TERRY FOX, I.G. Job Title NCDOT GEO ENVIRON. PROJ. MGR. Phone Number 919-250-4093

### IV. TANK REMOVAL, CLOSURE IN PLACE, CHANGE-IN SERVICE

- Contact local fire marshal.
- Plan entire closure event.
- Conduct Site Soil Assessment.
- If removing tanks or closing in place, refer to API Publication 2015 *Cleaning Petroleum Storage Tanks and 1604 Removal and Disposal of Used Underground Petroleum Storage Tanks*.
- Provide a sketch locating piping, tanks and soil sampling locations.
- Submit a closure report in the format of UST-12 (including the form UST-2) within thirty (30) days following the site investigation.
- If a release from the tanks 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. If a release has not occurred, the supervision, signature or seal of a P.E. or L.G. is not required.
- Keep closure records for three (3) years.

### V. WORK TO BE PERFORMED BY

Contractor Name Soil SOLUTIONS  
 Address 1703 VARGRAVE ST WILMINGTON-SALEM State NC Zip Code \_\_\_\_\_  
 Contact Person Jay King Phone No. \_\_\_\_\_  
 Primary Consultant DAVID C. BRUNSTEL L.G. (EI) Phone No. \_\_\_\_\_

### VI. TANKS SCHEDULED FOR CLOSURE OR CHANGE-IN-SERVICE

Tank ID #	Tank Capacity	Last Contents	Proposed Activity		
			Removal	Abandonment in Place	Change-in-Service New Contents Stored
<u>1</u>	<u>550-gal</u>	<u>#7 Fuel oil</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<u>2</u>	<u>2000-gal</u>	<u>gasoline</u>	<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"/>	

### VII. OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE

I understand that I can be held responsible for environmental damage resulting from the improper disposal of my USTs. Read note on the back of this form before signing.

Print name and official title JARDON E. LEWIS, PROJ. MGR./ENV. GEOL. CONSULTANT  
 Signature \_\_\_\_\_ Date Signed 11/8/2006 SCHEDULED REMOVAL DATE 11/14/2006  
 Notify your DWM Regional Office 48 hours before this date if scheduled removal date changes



# UST-2

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

**FOR TANKS  
IN  
NC**

**Return completed form to:**

The DWM Regional office in the area the facility is located. SEE MAP ON THE BACK OF THIS FORM FOR REGIONAL OFFICE ADDRESSES. Return the yellow copy to the Central Office in Raleigh so that the status of this tank may be changed to "PERMANENTLY CLOSED".

STATE USE ONLY:

I.D. # \_\_\_\_\_  
Date Received \_\_\_\_\_

**I. OWNERSHIP OF TANKS**

ORPHAN UST IN NCDOT R.O.W.  
Owner Name (Corporation, Individual, Public Agency, or Other Entity)  
PARCEL 014, SW OF S. MEBANE ST / ALAMANCE RD  
Street Address  
DURINGTON ALAMANCE  
City County  
NC 27215  
State Zip Code  
N/A  
Area Code Phone Number

**II. LOCATION OF TANKS**

FMR. MOSS AUTO SALES (SUSAN SMALL PROPERTY)  
Facility Name or Company  
Facility ID # (if known)  
SW OF S. MEBANE ST / ALAMANCE RD  
Street Address  
DURINGTON ALAMANCE 27215  
City County Zip Code  
Area Code Phone Number

**III. CONTACT PERSONNEL**

Name TERRY FOX, L.G. Job Title NCDOT GEN. ENV. P.M. Tel. No. 919.250.4088  
Closure Contractor SOIL SOLUTIONS Address 1703 VARELRAVE, W.S., NC Tel. No. 919.427.2593 (JAY KING)  
Primary Consultant DAVID BREWSTER, L.G. Address 2101 GATEWAY CENTRE, MORRISVILLE, NC Tel. No. 919.657.7500, 226  
Lab PRISM E.I., INC. Address 449 SPRINGBROOK RD., CHARLOTTE, NC Tel. No. 800.529.6364

**IV. UST INFORMATION**

**V. EXCAVATION CONDITION**

**VI. ADDITIONAL INFORMATION**

Tank No.	Size in Gallons	Tank Dimensions	Last Contents	Water in excavation		Free product		Notable odor or visible soil contamination	
				Yes	No	Yes	No	Yes	No
1	550	5.33x3.5	diesel	/	/	/	/	/	/
2	550	5.33x3.5	waste oil	/	/	/	/	/	/
3	550	5.33x3.5	ketosene	/	/	/	/	/	/

See reverse side of pink copy (owner's copy) for additional information required by NC DWM in the written report and sketch.

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.

**VII. CHECKLIST (CHECK THE ACTIVITIES COMPLETED)**

**PERMANENT CLOSURE**

(For Removal or Abandonment-in-Place)

- Contact local fire marshal
- Notify DWM Regional Office before abandonment
- Drain and flush piping into tank
- Remove all product and residuals from tank
- Excavate down to tank
- Clean and inspect tank
- Remove drop tube, fill pipe, gauge pipe, vapor recovery tank connections, submersible pumps, and all other tank fixtures
- Cap or plug all lines except the vent and fill lines
- Purge the tank of all product and flammable vapors
- Cut one or more large holes in the tank
- Backfill the area

Date tank(s) Permanently Closed: 11/14/06

Date of Change in-service: \_\_\_\_\_

**ABANDONMENT IN PLACE**

- Fill tank until material overflows tank opening
- Plug or cap all openings
- Disconnect and cap or remove vent line
- Solid inert material used -specify \_\_\_\_\_

**REMOVAL**

- Create vent hole
- Label tank
- Dispose of tank in approved manner. Final tank destination:

Atlantic Scrap Metal, W.S., NC

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

DAVID R. LOCKHART / ENV. GEOL. GIST

Signature

David R. Lockhart

Date Signed

12/18/06





**FIRE DEPARTMENT  
CITY OF BURLINGTON, N. C.  
PERMIT**

11-14-06  
(Date)

**TO WHOM IT MAY CONCERN:**

By virtue of the provisions of the Fire Prevention Regulations of the City of Burlington, The EI Group Inc  
(Name of Concern)  
No. 2101 Street, Gateway Centre Blvd conducting a underground storage tank  
(Business)

having made application in due form, and as the conditions, surroundings and arrangements are, in my opinion, such that the intent of the Regulations can be observed, authority is hereby given and this PERMIT is GRANTED for

1 tank 550 gal #2 Fuel oil  
Moss Auto Sales 11-14-06 1 tank 2000 gal gasoline  
5 methane, Alamance Rd 2 tanks underground removal  
permit good for 30 days Start date 11/14/06

This PERMIT is issued and accepted on condition that all Regulations now adopted, or that may hereafter be adopted, shall be complied with.

This permit does not take the place of any License required by law and is not transferable. Any change in the use or occupancy of premises shall require a new permit.

Alfred R. Mills  
Chief of The Bureau of Fire Prevention

**THIS PERMIT MUST AT ALL TIMES BE KEPT POSTED ON THE PREMISES MENTIONED ABOVE**



**APPENDIX B**  
**NON-HAZARDOUS WASTE MANIFEST**  
**AND**  
**CERTIFICATES**





# SOIL SOLUTIONS

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## CERTIFICATE OF DISPOSAL

Soil Solutions, Inc. does hereby certify that 838 gallons of non-hazardous contaminated water received on 11/14/2006 from:

Generator: NCDOT

Originating at: S. Mebane St./Alamance Rd.  
Burlington, NC

SSI Waste ID #: 100622

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

Signature

Thomas W. Hammett  
Vice President  
Soil Solutions, Inc.





# SOIL SOLUTIONS

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## TANKS DISPOSAL CERTIFICATE

Tank Owner: NCDOT

Site Address: S. Mebane St./Alamance Rd.  
Burlington, NC

Description of Tanks:

<u>Tank Number</u>	<u>Size of Tank</u>	<u>Contents</u>
1	550 Gallons	Gasoline
2	550 Gallons	Kerosene
3	550 Gallons	Waste Oil

Transporter: Soil Solutions, Inc.

SSI Project #: 100622

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**

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## CERTIFICATE OF DISPOSAL

Soil Solutions, Inc. does hereby certify that 235.97 tons of non-hazardous contaminated material received on 11/14/2006 and 11/15/2006 from:

Generator: NCDOT

Originating at: S. Mebane St./Alamance Rd.  
Burlington, NC

SSI Waste ID #: 100622

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

Signature

Thomas W. Hammett  
Vice President  
Soil Solutions, Inc.





View of Site from across Alamance Rd.



Removal of liquid waste from UST



Loading of UST onto flatbed trailer for transport



Portion of common tankhold area for UST1 and UST2



6-inch steel water supply well casing



View of site and intersection during site restoration





# WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 3393

### 1. WELL CONTRACTOR:

Ralph Crater  
Well Contractor (Individual) Name

Subsurface Environmental Investigations, LLC  
Well Contractor Company Name

STREET ADDRESS 2155 Mocksville Hwy

Statesville NC 28625  
City or Town State Zip Code

(704) - 876-0010  
Area code - Phone number

### 2. WELL INFORMATION:

SITE WELL ID # (if applicable) \_\_\_\_\_

STATE WELL PERMIT # (if applicable) \_\_\_\_\_

COUNTY WELL PERMIT # (if applicable) \_\_\_\_\_

DWQ or OTHER PERMIT # (if applicable) \_\_\_\_\_

WELL USE (Check applicable use):  Monitoring  Residential <sup>old</sup>

Municipal/Public  Industrial/Commercial  Agricultural

Recovery  Injection  Irrigation

Other (list use) \_\_\_\_\_

### 3. WELL LOCATION:

COUNTY Alamance QUADRANGLE NAME \_\_\_\_\_

NEAREST TOWN: Burlington

I-40 Exit 143, 62 Hwy N  
(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

#### TOPOGRAPHIC / LAND SETTING:

Slope  Valley  Flat  Ridge  Other \_\_\_\_\_

(Check appropriate setting)

LATITUDE \_\_\_\_\_

LONGITUDE \_\_\_\_\_

May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source:  GPS  Topographic map

(Location of well must be shown on a USGS topo map and attached to this form if not using GPS.)

### 4a. FACILITY - The name of the business where the well is located. Complete 4a and 4b (If a residential well, skip 4a; complete 4b, well owner information only.)

FACILITY ID # (if applicable) \_\_\_\_\_

NAME OF FACILITY Road right of way

STREET ADDRESS Hwy 62 N.

Burlington NC  
City or Town State Zip Code

### 4b. CONTACT PERSON/WELL OWNER:

NAME Darin Lockhart

STREET ADDRESS 2101 Gateway Centre Blvd.

Morrisville NC 27560 Suite 200  
919-544-7500 ext. 278

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.

Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699-1617, Phone No. (919) 733-7015 ext 568.

### 5. WELL DETAILS:

a. Total Depth: 110 ft. Diameter: 6 in.

b. Water Level (Below Measuring Point): \_\_\_\_\_ ft.

Measuring point is \_\_\_\_\_ ft. above land surface.

### 6. CASING:

a. Casing Depth (if known): 7 ft. 6 in.

b. Casing Removed: 0 ft. \_\_\_\_\_ in.

### 7. DISINFECTION: Left

(Amount of 65%-75% calcium hypochlorite used)

### 8. SEALING MATERIAL:

Next Cement Sand Cement

Cement 20 bags lb. Cement \_\_\_\_\_ lb.  
Water 120 gal. gal. Water \_\_\_\_\_ gal.

Bentonite

Bentonite \_\_\_\_\_ lb.

Type:  Slurry  Pellets

Water \_\_\_\_\_ gal.

Other

Type material \_\_\_\_\_

Amount \_\_\_\_\_

### 9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

Tremie

### 10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

### 11. DATE WELL ABANDONED 11-27-06

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Ralph J. Crater  
SIGNATURE OF CERTIFIED WELL CONTRACTOR

11-27-06  
DATE

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL DATE  
(The private well owner must be an individual who personally abandons their residential well in accordance with 15A NCAC 2C 0113.)

Ralph Crater  
PRINTED NAME OF PERSON ABANDONING THE WELL



## Case Narrative

**Date:** 12/06/06  
**Company:** N. C. Department of Transportation  
**Contact:** Bob Shaul/EI  
**Address:** c/o Environmental Investigations, Inc  
2101 Gateway Centre Blvd. Ste 200  
Morrisville, NC 27560

**Client Project ID:** DOT-Alamance-Burlington  
**Prism COC Group No:** G1106572  
**Collection Date(s):** 11/14/06 thru 11/15/06  
**Lab Submittal Date(s):** 11/17/06

**Client Project Name Or No:** S. MebaneSt./Alamance Rd.

This data package contains the analytical results for the project identified above and includes a Case Narrative, Laboratory Report and Quality Control Data totaling 150 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

No Anomalies Reported

### 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:** *Angela D. Overcash*

**Review Date:** 12/06/06

**Approval Date:** 12/06/06

### **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

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: UST1-8.5  
 Prism Sample ID: 166933  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/14/06 14:25  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Percent Solids Determination</b>									
Percent Solids	76.0	%			1	SM2540 G	11/20/06 15:20	athao	
<b>Sample Weight Determination</b>									
Weight Bisulfate 1	6.06	g			1	5035	11/27/06 0:00	lbrown	
Weight Bisulfate 2	6.51	g			1	5035	11/27/06 0:00	lbrown	
<b>Volatile Organic Compounds by GC/MS</b>									
1,1,1-Trichloroethane	BRL	mg/kg	0.0054	0.0003	1	8260B	11/22/06 3:28	kcampigotto	Q19412
1,1,2,2-Tetrachloroethane	BRL	mg/kg	0.0054	0.00055	1	8260B	11/22/06 3:28	kcampigotto	Q19412
1,1,2-Trichloroethane	BRL	mg/kg	0.0054	0.00034	1	8260B	11/22/06 3:28	kcampigotto	Q19412
1,1-Dichloroethane	BRL	mg/kg	0.0054	0.00039	1	8260B	11/22/06 3:28	kcampigotto	Q19412
1,1-Dichloroethene	BRL	mg/kg	0.0054	0.00041	1	8260B	11/22/06 3:28	kcampigotto	Q19412
1,1-Dichloropropene	BRL	mg/kg	0.0054	0.00048	1	8260B	11/22/06 3:28	kcampigotto	Q19412
1,2,3-Trichlorobenzene	BRL	mg/kg	0.0054	0.0006	1	8260B	11/22/06 3:28	kcampigotto	Q19412
1,2,3-Trichloropropane	BRL	mg/kg	0.0054	0.00048	1	8260B	11/22/06 3:28	kcampigotto	Q19412
1,2,4-Trichlorobenzene	BRL	mg/kg	0.0054	0.00052	1	8260B	11/22/06 3:28	kcampigotto	Q19412
1,2,4-Trimethylbenzene	0.024	mg/kg	0.0054	0.00041	1	8260B	11/22/06 3:28	kcampigotto	Q19412
1,2-Dibromoethane (EDB)	BRL	mg/kg	0.0054	0.000098	1	8260B	11/22/06 3:28	kcampigotto	Q19412
1,2-Dichlorobenzene	BRL	mg/kg	0.0054	0.00029	1	8260B	11/22/06 3:28	kcampigotto	Q19412
1,2-Dichloroethane	BRL	mg/kg	0.0054	0.00054	1	8260B	11/22/06 3:28	kcampigotto	Q19412
1,2-Dichloropropane	BRL	mg/kg	0.0054	0.0004	1	8260B	11/22/06 3:28	kcampigotto	Q19412
1,3,5-Trimethylbenzene	BRL	mg/kg	0.0054	0.00046	1	8260B	11/22/06 3:28	kcampigotto	Q19412
1,3-Dichlorobenzene	BRL	mg/kg	0.0054	0.00047	1	8260B	11/22/06 3:28	kcampigotto	Q19412
1,3-Dichloropropane	BRL	mg/kg	0.0054	0.00037	1	8260B	11/22/06 3:28	kcampigotto	Q19412
1,4-Dichlorobenzene	BRL	mg/kg	0.0054	0.00042	1	8260B	11/22/06 3:28	kcampigotto	Q19412
2,2-Dichloropropane	BRL	mg/kg	0.0054	0.00027	1	8260B	11/22/06 3:28	kcampigotto	Q19412
2-Chlorotoluene	BRL	mg/kg	0.0054	0.0004	1	8260B	11/22/06 3:28	kcampigotto	Q19412
2-Hexanone	BRL	mg/kg	0.054	0.00056	1	8260B	11/22/06 3:28	kcampigotto	Q19412

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 Client Sample ID: UST1-8.5  
 Prism Sample ID: 166933  
 COC Group: G1106572  
 Time Collected: 11/14/06 14:25  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	mg/kg	0.0054	0.00028	1	8260B	11/22/06 3:28	kcampigotto	Q19412
4-Methyl-2-pentanone (MIBK)	BRL	mg/kg	0.054	0.00054	1	8260B	11/22/06 3:28	kcampigotto	Q19412
Acetone	BRL	mg/kg	0.054	0.0021	1	8260B	11/22/06 3:28	kcampigotto	Q19412
Benzene	BRL	mg/kg	0.0033	0.00043	1	8260B	11/22/06 3:28	kcampigotto	Q19412
Bromobenzene	BRL	mg/kg	0.0054	0.00038	1	8260B	11/22/06 3:28	kcampigotto	Q19412
Bromochloromethane	BRL	mg/kg	0.0054	0.00033	1	8260B	11/22/06 3:28	kcampigotto	Q19412
Bromodichloromethane	BRL	mg/kg	0.0054	0.00048	1	8260B	11/22/06 3:28	kcampigotto	Q19412
Bromoform	BRL	mg/kg	0.0054	0.0004	1	8260B	11/22/06 3:28	kcampigotto	Q19412
Bromomethane	BRL	mg/kg	0.011	0.00063	1	8260B	11/22/06 3:28	kcampigotto	Q19412
Carbon tetrachloride	BRL	mg/kg	0.0054	0.00031	1	8260B	11/22/06 3:28	kcampigotto	Q19412
Chlorobenzene	BRL	mg/kg	0.0054	0.00041	1	8260B	11/22/06 3:28	kcampigotto	Q19412
Chlorodibromomethane	BRL	mg/kg	0.0054	0.00037	1	8260B	11/22/06 3:28	kcampigotto	Q19412
Chloroethane	BRL	mg/kg	0.011	0.00045	1	8260B	11/22/06 3:28	kcampigotto	Q19412
Chloroform	BRL	mg/kg	0.0054	0.0004	1	8260B	11/22/06 3:28	kcampigotto	Q19412
Chloromethane	BRL	mg/kg	0.0054	0.00038	1	8260B	11/22/06 3:28	kcampigotto	Q19412
cis-1,2-Dichloroethene	BRL	mg/kg	0.0054	0.00024	1	8260B	11/22/06 3:28	kcampigotto	Q19412
cis-1,3-Dichloropropene	BRL	mg/kg	0.0054	0.00035	1	8260B	11/22/06 3:28	kcampigotto	Q19412
Dichlorodifluoromethane	BRL	mg/kg	0.0054	0.0012	1	8260B	11/22/06 3:28	kcampigotto	Q19412
Ethylbenzene	0.0027 J	mg/kg	0.0054	0.00038	1	8260B	11/22/06 3:28	kcampigotto	Q19412
Isopropyl ether (IPE)	BRL	mg/kg	0.0054	0.00018	1	8260B	11/22/06 3:28	kcampigotto	Q19412
Isopropylbenzene	0.050	mg/kg	0.0054	0.00043	1	8260B	11/22/06 3:28	kcampigotto	Q19412
m,p-Xylenes	0.0045 J	mg/kg	0.011	0.00076	1	8260B	11/22/06 3:28	kcampigotto	Q19412
Methyl ethyl ketone (MEK)	BRL	mg/kg	0.11	0.0015	1	8260B	11/22/06 3:28	kcampigotto	Q19412
Methyl t-butyl ether (MTBE)	BRL	mg/kg	0.011	0.00031	1	8260B	11/22/06 3:28	kcampigotto	Q19412
Methylene chloride	BRL	mg/kg	0.0054	0.00046	1	8260B	11/22/06 3:28	kcampigotto	Q19412
n-Butylbenzene	0.074	mg/kg	0.0054	0.00043	1	8260B	11/22/06 3:28	kcampigotto	Q19412
n-Propylbenzene	0.0090	mg/kg	0.0054	0.00033	1	8260B	11/22/06 3:28	kcampigotto	Q19412
Naphthalene	BRL	mg/kg	0.011	0.00063	1	8260B	11/22/06 3:28	kcampigotto	Q19412

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St/Alamance Rd. Burlington, NC 27215  
 Client Sample ID: UST1-8.5  
 Prism Sample ID: 166933  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 COC Group: G1106572  
 Time Collected: 11/14/06 14:25  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
o-Xylene	BRL	mg/kg	0.0054	0.00033	1	8260B	11/22/06 3:28	kcampigotto	Q19412
p-Isopropyltoluene	0.14	mg/kg	0.0054	0.00045	1	8260B	11/22/06 3:28	kcampigotto	Q19412
sec-Butylbenzene	1.7	mg/kg	0.28	0.018	50	8260B	11/28/06 1:49	kcampigotto	Q19412
Styrene	BRL	mg/kg	0.0054	0.00054	1	8260B	11/22/06 3:28	kcampigotto	Q19412
tert-Butylbenzene	0.023	mg/kg	0.0054	0.00034	1	8260B	11/22/06 3:28	kcampigotto	Q19412
Tetrachloroethene	BRL	mg/kg	0.0054	0.00093	1	8260B	11/22/06 3:28	kcampigotto	Q19412
Toluene	BRL	mg/kg	0.0054	0.00037	1	8260B	11/22/06 3:28	kcampigotto	Q19412
trans-1,2-Dichloroethene	BRL	mg/kg	0.0054	0.00041	1	8260B	11/22/06 3:28	kcampigotto	Q19412
trans-1,3-Dichloropropene	BRL	mg/kg	0.0054	0.00038	1	8260B	11/22/06 3:28	kcampigotto	Q19412
Trichloroethene	BRL	mg/kg	0.0054	0.00033	1	8260B	11/22/06 3:28	kcampigotto	Q19412
Trichlorofluoromethane	BRL	mg/kg	0.0054	0.00045	1	8260B	11/22/06 3:28	kcampigotto	Q19412
Vinyl acetate	BRL	mg/kg	0.027	0.0020	1	8260B	11/22/06 3:28	kcampigotto	Q19412
Vinyl chloride	BRL	mg/kg	0.0054	0.00069	1	8260B	11/22/06 3:28	kcampigotto	Q19412

One surrogate recovery was outside of the control limits. The analysis was repeated, with no improvement in recovery. Matrix interference is suspected.

Surrogate	% Recovery	Control Limits
Bromofluorobenzene	218 #	77 - 128
Dibromofluoromethane	102	67 - 143
Toluene-d8	103	81 - 128

**Semi-volatile Organic Compounds by GC/MS**

1,2,4-Trichlorobenzene	BRL	mg/kg	0.43	0.072	1	8270C	11/29/06 0:41	kelliot	Q19517
1,2-Dichlorobenzene	BRL	mg/kg	0.43	0.059	1	8270C	11/29/06 0:41	kelliot	Q19517
1,3-Dichlorobenzene	BRL	mg/kg	0.43	0.044	1	8270C	11/29/06 0:41	kelliot	Q19517
1,4-Dichlorobenzene	BRL	mg/kg	0.43	0.035	1	8270C	11/29/06 0:41	kelliot	Q19517
2,4,5-Trichlorophenol	BRL	mg/kg	0.43	0.097	1	8270C	11/29/06 0:41	kelliot	Q19517
2,4,6-Trichlorophenol	BRL	mg/kg	0.43	0.091	1	8270C	11/29/06 0:41	kelliot	Q19517

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NC Certification No. 402  
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# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: UST1-8.5  
 Prism Sample ID: 166933  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/14/06 14:25  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
2,4-Dichlorophenol	BRL	mg/kg	0.43	0.089	1	8270C	11/29/06 0:41	kelliot	Q19517
2,4-Dimethylphenol	BRL	mg/kg	0.43	0.084	1	8270C	11/29/06 0:41	kelliot	Q19517
2,4-Dinitrophenol	BRL	mg/kg	2.2	0.11	1	8270C	11/29/06 0:41	kelliot	Q19517
2,4-Dinitrotoluene	BRL	mg/kg	0.43	0.067	1	8270C	11/29/06 0:41	kelliot	Q19517
2,6-Dinitrotoluene	BRL	mg/kg	0.43	0.051	1	8270C	11/29/06 0:41	kelliot	Q19517
2-Chloronaphthalene	BRL	mg/kg	0.43	0.071	1	8270C	11/29/06 0:41	kelliot	Q19517
2-Chlorophenol	BRL	mg/kg	0.43	0.043	1	8270C	11/29/06 0:41	kelliot	Q19517
2-Methylnaphthalene	4.5	mg/kg	0.43	0.073	1	8270C	11/29/06 0:41	kelliot	Q19517
2-Methylphenol	BRL	mg/kg	0.43	0.069	1	8270C	11/29/06 0:41	kelliot	Q19517
3-Nitrophenol	BRL	mg/kg	0.43	0.055	1	8270C	11/29/06 0:41	kelliot	Q19517
3,4-Methylphenol	BRL	mg/kg	0.43	0.068	1	8270C	11/29/06 0:41	kelliot	Q19517
3,3'-Dichlorobenzidine	BRL	mg/kg	0.86	0.14	1	8270C	11/29/06 0:41	kelliot	Q19517
4,6-Dinitro-2-methylphenol	BRL	mg/kg	2.2	0.097	1	8270C	11/29/06 0:41	kelliot	Q19517
4-Bromophenylphenylether	BRL	mg/kg	0.43	0.072	1	8270C	11/29/06 0:41	kelliot	Q19517
4-Chloro-3-methylphenol	BRL	mg/kg	0.86	0.081	1	8270C	11/29/06 0:41	kelliot	Q19517
4-Chloroaniline	BRL	mg/kg	0.43	0.095	1	8270C	11/29/06 0:41	kelliot	Q19517
4-Chlorophenylphenylether	BRL	mg/kg	0.43	0.065	1	8270C	11/29/06 0:41	kelliot	Q19517
4-Nitrophenol	BRL	mg/kg	2.2	0.11	1	8270C	11/29/06 0:41	kelliot	Q19517
Acenaphthene	BRL	mg/kg	0.43	0.082	1	8270C	11/29/06 0:41	kelliot	Q19517
Acenaphthylene	BRL	mg/kg	0.43	0.081	1	8270C	11/29/06 0:41	kelliot	Q19517
Anthracene	BRL	mg/kg	0.43	0.052	1	8270C	11/29/06 0:41	kelliot	Q19517
Azobenzene	BRL	mg/kg	2.2	0.22	1	8270C	11/29/06 0:41	kelliot	Q19517
Benzo(a)anthracene	BRL	mg/kg	0.43	0.085	1	8270C	11/29/06 0:41	kelliot	Q19517
Benzo(a)pyrene	BRL	mg/kg	0.43	0.043	1	8270C	11/29/06 0:41	kelliot	Q19517
Benzo(b)fluoranthene	BRL	mg/kg	0.43	0.057	1	8270C	11/29/06 0:41	kelliot	Q19517
Benzo(g,h,i)perylene	BRL	mg/kg	0.43	0.099	1	8270C	11/29/06 0:41	kelliot	Q19517
Benzo(k)fluoranthene	BRL	mg/kg	0.43	0.051	1	8270C	11/29/06 0:41	kelliot	Q19517
Benzoic acid	BRL	mg/kg	2.2	0.18	1	8270C	11/29/06 0:41	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215 Client Sample ID: UST1-8.5  
 Prism Sample ID: 166933  
 Project ID: DOT-Alamance-Burlington COC Group: G1106572  
 Project No.: WBS# 34911.1.1 Time Collected: 11/14/06 14:25  
 Sample Matrix: Soil Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Benzyl alcohol	BRL	mg/kg	0.86	0.071	1	8270C	11/29/06 0:41	kelliot	Q19517
Bis(2-chloroethoxy)methane	BRL	mg/kg	0.43	0.082	1	8270C	11/29/06 0:41	kelliot	Q19517
Bis(2-chloroethyl)ether	BRL	mg/kg	0.43	0.030	1	8270C	11/29/06 0:41	kelliot	Q19517
Bis(2-chloroisopropyl)ether	BRL	mg/kg	0.43	0.060	1	8270C	11/29/06 0:41	kelliot	Q19517
Bis(2-ethylhexyl)phthalate	BRL	mg/kg	0.43	0.047	1	8270C	11/29/06 0:41	kelliot	Q19517
Butylbenzylphthalate	BRL	mg/kg	0.43	0.044	1	8270C	11/29/06 0:41	kelliot	Q19517
Chrysene	BRL	mg/kg	0.43	0.081	1	8270C	11/29/06 0:41	kelliot	Q19517
Di-n-butylphthalate	BRL	mg/kg	0.43	0.059	1	8270C	11/29/06 0:41	kelliot	Q19517
Di-n-octylphthalate	BRL	mg/kg	0.43	0.074	1	8270C	11/29/06 0:41	kelliot	Q19517
Dibenzo(a,h)anthracene	BRL	mg/kg	0.43	0.10	1	8270C	11/29/06 0:41	kelliot	Q19517
Dibenzofuran	BRL	mg/kg	0.43	0.080	1	8270C	11/29/06 0:41	kelliot	Q19517
Diethylphthalate	BRL	mg/kg	0.43	0.043	1	8270C	11/29/06 0:41	kelliot	Q19517
Dimethylphthalate	BRL	mg/kg	0.43	0.059	1	8270C	11/29/06 0:41	kelliot	Q19517
Fluoranthene	0.21 J	mg/kg	0.43	0.052	1	8270C	11/29/06 0:41	kelliot	Q19517
Fluorene	BRL	mg/kg	0.43	0.081	1	8270C	11/29/06 0:41	kelliot	Q19517
Hexachlorobenzene	BRL	mg/kg	0.43	0.063	1	8270C	11/29/06 0:41	kelliot	Q19517
Hexachlorobutadiene	BRL	mg/kg	0.43	0.056	1	8270C	11/29/06 0:41	kelliot	Q19517
Hexachlorocyclopentadiene	BRL	mg/kg	0.43	0.099	1	8270C	11/29/06 0:41	kelliot	Q19517
Hexachloroethane	BRL	mg/kg	0.43	0.057	1	8270C	11/29/06 0:41	kelliot	Q19517
Indeno(1,2,3-cd)pyrene	BRL	mg/kg	0.43	0.11	1	8270C	11/29/06 0:41	kelliot	Q19517
Isophthoana	BRL	mg/kg	0.43	0.080	1	8270C	11/29/06 0:41	kelliot	Q19517
N-Nitrosodi-n-propylamine	BRL	mg/kg	0.43	0.078	1	8270C	11/29/06 0:41	kelliot	Q19517
N-Nitrosodiphenylamine	BRL	mg/kg	0.43	0.063	1	8270C	11/29/06 0:41	kelliot	Q19517
Naphthalene	BRL	mg/kg	0.43	0.060	1	8270C	11/29/06 0:41	kelliot	Q19517
Nitrobenzene	BRL	mg/kg	0.43	0.078	1	8270C	11/29/06 0:41	kelliot	Q19517
Pentachlorophenol	BRL	mg/kg	2.2	0.056	1	8270C	11/29/06 0:41	kelliot	Q19517
Phenanthrene	2.9	mg/kg	0.43	0.048	1	8270C	11/29/06 0:41	kelliot	Q19517
Phenol	BRL	mg/kg	0.43	0.052	1	8270C	11/29/06 0:41	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: UST1-8.5  
 Prism Sample ID: 166933  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 COC Group: G1106572  
 Time Collected: 11/14/06 14:25  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Pyrene	0.58	mg/kg	0.43	0.034	1	8270C	11/29/06 0:41	kelliot	Q19517

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

Sample Preparation: 30.21 g / 1 mL 3550B 11/28/06 7:00 dpope P16943

Surrogate	% Recovery	Control Limits
2,4,6-Tribromophenol	134 #	25 - 123
2-Fluorobiphenyl	70	21 - 108
2-Fluorophenol	79	14 - 89
Nitrobenzene-d5	98	14 - 103
Phenol-d5	87	13 - 95
Terphenyl-d14	130	41 - 136

Extractable Petroleum Hydrocarbons by GC-FID

C11-C22 Aromatics	740	mg/kg	13	12	1	MADEP EPH	11/28/06 22:48	grappaccoli	Q19505
C19-C36 Aliphatics	150	mg/kg	13	7.8	1	MADEP EPH	11/28/06 22:48	grappaccoli	Q19505
C9-C18 Aliphatics	1200	mg/kg	13	11	1	MADEP EPH	11/28/06 22:48	grappaccoli	Q19505

\* Analysis Note for C11-C22 Aromatics: Adjusted value.

Sample Preparation: 10.31 g / 2 mL EPH 11/21/06 10:00 dpope P16905

Surrogate	% Recovery	Control Limits
1-Chloro-octadecane	M #	40 - 140
2-Bromonaphthalene	M #	40 - 140
2-Fluorobiphenyl	M #	40 - 140
o-Terphenyl	M #	40 - 140

Volatile Petroleum Hydrocarbons by GC-PID/FID

C5-C8 Aliphatics	BRL	mg/kg	37	18	4	MADEP VPH	11/28/06 20:15	erussell	Q19470
C9-C10 Aromatics	210	mg/kg	37	18	4	MADEP VPH	11/28/06 20:15	erussell	Q19470
C9-C12 Aliphatics	160	mg/kg	37	18	4	MADEP VPH	11/28/06 20:15	erussell	Q19470

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

# Laboratory Report

12/05/08

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane SL/Alamance Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 Client Sample ID: UST1-8.5  
 Prism Sample ID: 166933  
 COC Group: G1106572  
 Time Collected: 11/14/06 14:25  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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\* Analysis Note for C5-C8 Aliphatics: Adjusted value.  
 \* Analysis Note for C9-C12 Aliphatics: Adjusted value.

Two surrogate recoveries were outside of the control limits. The analysis was repeated with no improvement in recovery. Matrix interference is suspected.

Surrogate	% Recovery	Control Limits
2,5-Dibromotoluene-FID	286 #	70 - 130
2,5-Dibromotoluene-PID	345 #	70 - 130

### Sample Weight Determination

Weight 1	6.13	g	1	MADEP VPH	11/21/06 0:00	lbrown
Weight 2	6.16	g	1	MADEP VPH	11/21/06 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

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Sta 200  
 Morrisville, NC 27560

Project Name: S. MebaneSt./Alamance Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 Client Sample ID: UST2-8.5  
 Prism Sample ID: 166934  
 COC Group: G1106572  
 Time Collected: 11/14/06 15:30  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Percent Solids Determination</b>									
Percent Solids	79.0	%			1	SM2540 G	11/20/06 15:20	athao	
<b>Sample Weight Determination</b>									
Weight Bisulfata 1	6.07	g			1	5035	11/27/06 0:00	lbrown	
Weight Bisulfate 2	6.27	g			1	5035	11/27/06 0:00	lbrown	
<b>Volatile Organic Compounds by GC/MS</b>									
1,1,1-Trichloroethane	BRL	mg/kg	0.0052	0.00029	1	8260B	11/22/06 0:35	kcampigotto	Q19412
1,1,2,2-Tetrachloroethane	BRL	mg/kg	0.0052	0.00053	1	8260B	11/22/06 0:35	kcampigotto	Q19412
1,1,2-Trichloroethane	BRL	mg/kg	0.0052	0.00032	1	8260B	11/22/06 0:35	kcampigotto	Q19412
1,1-Dichloroethane	BRL	mg/kg	0.0052	0.00038	1	8260B	11/22/06 0:35	kcampigotto	Q19412
1,1-Dichloroethene	BRL	mg/kg	0.0052	0.0004	1	8260B	11/22/06 0:35	kcampigotto	Q19412
1,1-Dichloropropene	BRL	mg/kg	0.0052	0.00046	1	8260B	11/22/06 0:35	kcampigotto	Q19412
1,2,3-Trichlorobenzene	BRL	mg/kg	0.0052	0.00057	1	8260B	11/22/06 0:35	kcampigotto	Q19412
1,2,3-Trichloropropane	BRL	mg/kg	0.0052	0.00046	1	8260B	11/22/06 0:35	kcampigotto	Q19412
1,2,4-Trichlorobenzene	BRL	mg/kg	0.0052	0.0005	1	8260B	11/22/06 0:35	kcampigotto	Q19412
1,2,4-Trimethylbenzene	BRL	mg/kg	0.0052	0.0004	1	8260B	11/22/06 0:35	kcampigotto	Q19412
1,2-Dibromoethane (EDB)	BRL	mg/kg	0.0052	0.000094	1	8260B	11/22/06 0:35	kcampigotto	Q19412
1,2-Dichlorobenzene	BRL	mg/kg	0.0052	0.00028	1	8260B	11/22/06 0:35	kcampigotto	Q19412
1,2-Dichloroethane	BRL	mg/kg	0.0052	0.00052	1	8260B	11/22/06 0:35	kcampigotto	Q19412
1,2-Dichloropropane	BRL	mg/kg	0.0052	0.00039	1	8260B	11/22/06 0:35	kcampigotto	Q19412
1,3,5-Trimethylbenzene	BRL	mg/kg	0.0052	0.00044	1	8260B	11/22/06 0:35	kcampigotto	Q19412
1,3-Dichlorobenzene	BRL	mg/kg	0.0052	0.00045	1	8260B	11/22/06 0:35	kcampigotto	Q19412
1,3-Dichloropropane	BRL	mg/kg	0.0052	0.00035	1	8260B	11/22/06 0:35	kcampigotto	Q19412
1,4-Dichlorobenzene	BRL	mg/kg	0.0052	0.00041	1	8260B	11/22/06 0:35	kcampigotto	Q19412
2,2-Dichloropropane	BRL	mg/kg	0.0052	0.00026	1	8260B	11/22/06 0:35	kcampigotto	Q19412
2-Chlorotoluene	BRL	mg/kg	0.0052	0.00039	1	8260B	11/22/06 0:35	kcampigotto	Q19412
2-Hexanone	BRL	mg/kg	0.052	0.00054	1	8260B	11/22/06 0:35	kcampigotto	Q19412

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: UST2-8.5  
 Prism Sample ID: 166934  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/14/06 15:30  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	mg/kg	0.0052	0.00027	1	8260B	11/22/06 0:35	kcampigotto	Q19412
4-Methyl-2-pentanone (MIBK)	BRL	mg/kg	0.052	0.00052	1	8260B	11/22/06 0:35	kcampigotto	Q19412
Acetone	BRL	mg/kg	0.052	0.0020	1	8260B	11/22/06 0:35	kcampigotto	Q19412
Benzene	BRL	mg/kg	0.0031	0.00042	1	8260B	11/22/06 0:35	kcampigotto	Q19412
Bromobenzene	BRL	mg/kg	0.0052	0.00036	1	8260B	11/22/06 0:35	kcampigotto	Q19412
Bromochloromethane	BRL	mg/kg	0.0052	0.00031	1	8260B	11/22/06 0:35	kcampigotto	Q19412
Bromodichloromethane	BRL	mg/kg	0.0052	0.00046	1	8260B	11/22/06 0:35	kcampigotto	Q19412
Bromoform	BRL	mg/kg	0.0052	0.00039	1	8260B	11/22/06 0:35	kcampigotto	Q19412
Bromomethane	BRL	mg/kg	0.010	0.0006	1	8260B	11/22/06 0:35	kcampigotto	Q19412
Carbon tetrachloride	BRL	mg/kg	0.0052	0.0003	1	8260B	11/22/06 0:35	kcampigotto	Q19412
Chlorobenzene	BRL	mg/kg	0.0052	0.0004	1	8260B	11/22/06 0:35	kcampigotto	Q19412
Chlorodibromomethane	BRL	mg/kg	0.0052	0.00035	1	8260B	11/22/06 0:35	kcampigotto	Q19412
Chloroethane	BRL	mg/kg	0.010	0.00043	1	8260B	11/22/06 0:35	kcampigotto	Q19412
Chloroform	BRL	mg/kg	0.0052	0.00039	1	8260B	11/22/06 0:35	kcampigotto	Q19412
Chloromethane	BRL	mg/kg	0.0052	0.00036	1	8260B	11/22/06 0:35	kcampigotto	Q19412
cis-1,2-Dichloroethene	BRL	mg/kg	0.0052	0.00023	1	8260B	11/22/06 0:35	kcampigotto	Q19412
cis-1,3-Dichloropropene	BRL	mg/kg	0.0052	0.00033	1	8260B	11/22/06 0:35	kcampigotto	Q19412
Dichlorodifluoromethane	BRL	mg/kg	0.0052	0.0012	1	8260B	11/22/06 0:35	kcampigotto	Q19412
Ethylbenzene	0.0028 J	mg/kg	0.0052	0.00036	1	8260B	11/22/06 0:35	kcampigotto	Q19412
Isopropyl ether (IPE)	BRL	mg/kg	0.0052	0.00018	1	8260B	11/22/06 0:35	kcampigotto	Q19412
Isopropylbenzene	0.020	mg/kg	0.0052	0.00042	1	8260B	11/22/06 0:35	kcampigotto	Q19412
m,p-Xylenes	BRL	mg/kg	0.010	0.00073	1	8260B	11/22/06 0:35	kcampigotto	Q19412
Methyl ethyl ketone (MEK)	BRL	mg/kg	0.10	0.0015	1	8260B	11/22/06 0:35	kcampigotto	Q19412
Methyl t-butyl ether (MTBE)	BRL	mg/kg	0.010	0.0003	1	8260B	11/22/06 0:35	kcampigotto	Q19412
Methylene chloride	BRL	mg/kg	0.0052	0.00043	1	8260B	11/22/06 0:35	kcampigotto	Q19412
n-Butylbenzene	BRL	mg/kg	0.0052	0.00042	1	8260B	11/22/06 0:35	kcampigotto	Q19412
n-Propylbenzene	BRL	mg/kg	0.0052	0.00031	1	8260B	11/22/06 0:35	kcampigotto	Q19412
Naphthalene	BRL	mg/kg	0.010	0.0006	1	8260B	11/22/06 0:35	kcampigotto	Q19412

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: UST2-8.5  
 Prism Sample ID: 166934  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 COC Group: G1106572  
 Time Collected: 11/14/06 15:30  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
o-Xylene	BRL	mg/kg	0.0052	0.00031	1	8260B	11/22/06 0:35	kcampigotto	Q19412
p-Isopropyltoluene	BRL	mg/kg	0.0052	0.00043	1	8260B	11/22/06 0:35	kcampigotto	Q19412
sec-Butylbenzene	0.14	mg/kg	0.13	0.017	50	8260B	11/28/06 2:27	kcampigotto	Q19412
Styrene	BRL	mg/kg	0.0052	0.00052	1	8260B	11/22/06 0:35	kcampigotto	Q19412
tert-Butylbenzene	0.066	mg/kg	0.0052	0.00032	1	8260B	11/22/06 0:35	kcampigotto	Q19412
Tetrachloroethene	BRL	mg/kg	0.0052	0.0009	1	8260B	11/22/06 0:35	kcampigotto	Q19412
Toluene	BRL	mg/kg	0.0052	0.00035	1	8260B	11/22/06 0:35	kcampigotto	Q19412
trans-1,2-Dichloroethene	BRL	mg/kg	0.0052	0.0004	1	8260B	11/22/06 0:35	kcampigotto	Q19412
trans-1,3-Dichloropropene	BRL	mg/kg	0.0052	0.00038	1	8260B	11/22/06 0:35	kcampigotto	Q19412
Trichloroethene	BRL	mg/kg	0.0052	0.00031	1	8260B	11/22/06 0:35	kcampigotto	Q19412
Trichlorofluoromethane	BRL	mg/kg	0.0052	0.00043	1	8260B	11/22/06 0:35	kcampigotto	Q19412
Vinyl acetate	BRL	mg/kg	0.026	0.0019	1	8260B	11/22/06 0:35	kcampigotto	Q19412
Vinyl chloride	BRL	mg/kg	0.0052	0.00067	1	8260B	11/22/06 0:35	kcampigotto	Q19412

One surrogate recovery was outside of the control limits. The analysis was repeated, with no improvement in recovery. Matrix interference is suspected.

Surrogate	% Recovery	Control Limits
Toluene-d8	102	81 - 128
Bromofluorobenzene	431 #	77 - 128
Dibromofluoromethane	105	67 - 143

### Semi-volatile Organic Compounds by GC/MS

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2,4-Trichlorobenzene	BRL	mg/kg	2.1	0.35	5	8270C	11/30/06 11:12	kelliot	Q19517
1,2-Dichlorobenzene	BRL	mg/kg	2.1	0.29	5	8270C	11/30/06 11:12	kelliot	Q19517
1,3-Dichlorobenzene	BRL	mg/kg	2.1	0.22	5	8270C	11/30/06 11:12	kelliot	Q19517
1,4-Dichlorobenzene	BRL	mg/kg	2.1	0.17	5	8270C	11/30/06 11:12	kelliot	Q19517
2,4,5-Trichlorophenol	BRL	mg/kg	2.1	0.47	5	8270C	11/30/06 11:12	kelliot	Q19517
2,4,6-Trichlorophenol	BRL	mg/kg	2.1	0.45	5	8270C	11/30/06 11:12	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St/Alamance Rd. Burlington, NC 27215  
 Client Sample ID: UST2-8.5  
 Prism Sample ID: 166934  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/14/06 15:30  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
2,4-Dichlorophenol	BRL	mg/kg	2.1	0.43	5	8270C	11/30/06 11:12	kelliot	Q19517
2,4-Dimethylphenol	BRL	mg/kg	2.1	0.41	5	8270C	11/30/06 11:12	kelliot	Q19517
2,4-Dinitrophenol	BRL	mg/kg	11	0.52	5	8270C	11/30/06 11:12	kelliot	Q19517
2,4-Dinitrotoluene	BRL	mg/kg	2.1	0.32	5	8270C	11/30/06 11:12	kelliot	Q19517
2,6-Dinitrotoluene	BRL	mg/kg	2.1	0.25	5	8270C	11/30/06 11:12	kelliot	Q19517
2-Chloronaphthalene	BRL	mg/kg	2.1	0.34	5	8270C	11/30/06 11:12	kelliot	Q19517
2-Chlorophenol	BRL	mg/kg	2.1	0.21	5	8270C	11/30/06 11:12	kelliot	Q19517
2-Methylnaphthalene	4.1	mg/kg	2.1	0.36	5	8270C	11/30/06 11:12	kelliot	Q19517
2-Methylphenol	BRL	mg/kg	2.1	0.34	5	8270C	11/30/06 11:12	kelliot	Q19517
2-Nitrophenol	BRL	mg/kg	2.1	0.27	5	8270C	11/30/06 11:12	kelliot	Q19517
3&4-Methylphenol	BRL	mg/kg	2.1	0.33	5	8270C	11/30/06 11:12	kelliot	Q19517
3,3'-Dichlorobenzidine	BRL	mg/kg	4.2	0.70	5	8270C	11/30/06 11:12	kelliot	Q19517
4,6-Dinitro-2-methylphenol	BRL	mg/kg	11	0.47	5	8270C	11/30/06 11:12	kelliot	Q19517
4-Bromophenylphenylether	BRL	mg/kg	2.1	0.35	5	8270C	11/30/06 11:12	kelliot	Q19517
4-Chloro-3-methylphenol	BRL	mg/kg	4.2	0.39	5	8270C	11/30/06 11:12	kelliot	Q19517
4-Chloroaniline	BRL	mg/kg	2.1	0.46	5	8270C	11/30/06 11:12	kelliot	Q19517
4-Chlorophenylphenylether	BRL	mg/kg	2.1	0.32	5	8270C	11/30/06 11:12	kelliot	Q19517
4-Nitrophenol	BRL	mg/kg	11	0.52	5	8270C	11/30/06 11:12	kelliot	Q19517
Acenaphthene	BRL	mg/kg	2.1	0.40	5	8270C	11/30/06 11:12	kelliot	Q19517
Acenaphthylene	BRL	mg/kg	2.1	0.39	5	8270C	11/30/06 11:12	kelliot	Q19517
Anthracene	BRL	mg/kg	2.1	0.25	5	8270C	11/30/06 11:12	kelliot	Q19517
Azobenzene	BRL	mg/kg	11	1.1	5	8270C	11/30/06 11:12	kelliot	Q19517
Benzo(a)anthracene	BRL	mg/kg	2.1	0.41	5	8270C	11/30/06 11:12	kelliot	Q19517
Benzo(a)pyrene	BRL	mg/kg	2.1	0.21	5	8270C	11/30/06 11:12	kelliot	Q19517
Benzo(b)fluoranthene	BRL	mg/kg	2.1	0.28	5	8270C	11/30/06 11:12	kelliot	Q19517
Benzo(g,h,i)perylene	BRL	mg/kg	2.1	0.48	5	8270C	11/30/06 11:12	kelliot	Q19517
Benzo(k)fluoranthene	BRL	mg/kg	2.1	0.25	5	8270C	11/30/06 11:12	kelliot	Q19517
Benzoic acid	BRL	mg/kg	11	0.89	5	8270C	11/30/06 11:12	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
Attn: Bob Shaut/EI  
c/o Environmental Investigations, Inc  
2101 Gateway Centre Blvd. Ste 200  
Morrisville, NC 27560

Project Name: S. Mebane SL/Alamance Client Sample ID: UST2-8.5  
Rd. Burlington, NC 27215 Prism Sample ID: 166934  
Project ID: DOT-Alamance-Burlington COC Group: G1106572  
Project No.: WBS# 34911.1.1 Time Collected: 11/14/06 15:30  
Sample Matrix: Soil Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Benzyl alcohol	BRL	mg/kg	4.2	0.34	5	8270C	11/30/06 11:12	kelliot	Q19517
Bis(2-chloroethoxy)methane	BRL	mg/kg	2.1	0.40	5	8270C	11/30/06 11:12	kelliot	Q19517
Bis(2-chloroethyl)ether	BRL	mg/kg	2.1	0.15	5	8270C	11/30/06 11:12	kelliot	Q19517
Bis(2-chloroisopropyl)ether	BRL	mg/kg	2.1	0.29	5	8270C	11/30/06 11:12	kelliot	Q19517
Bis(2-ethylhexyl)phthalate	BRL	mg/kg	2.1	0.23	5	8270C	11/30/06 11:12	kelliot	Q19517
Butylbenzylphthalate	BRL	mg/kg	2.1	0.22	5	8270C	11/30/06 11:12	kelliot	Q19517
Chrysene	BRL	mg/kg	2.1	0.39	5	8270C	11/30/06 11:12	kelliot	Q19517
Di-n-butylphthalate	BRL	mg/kg	2.1	0.29	5	8270C	11/30/06 11:12	kelliot	Q19517
Di-n-octylphthalate	BRL	mg/kg	2.1	0.36	5	8270C	11/30/06 11:12	kelliot	Q19517
Benzo(a,h)anthracene	BRL	mg/kg	2.1	0.50	5	8270C	11/30/06 11:12	kelliot	Q19517
Dibenzofuran	BRL	mg/kg	2.1	0.39	5	8270C	11/30/06 11:12	kelliot	Q19517
Diethylphthalate	BRL	mg/kg	2.1	0.21	5	8270C	11/30/06 11:12	kelliot	Q19517
Dimethylphthalate	BRL	mg/kg	2.1	0.29	5	8270C	11/30/06 11:12	kelliot	Q19517
Fluoranthene	BRL	mg/kg	2.1	0.25	5	8270C	11/30/06 11:12	kelliot	Q19517
Fluorene	BRL	mg/kg	2.1	0.39	5	8270C	11/30/06 11:12	kelliot	Q19517
Hexachlorobenzene	BRL	mg/kg	2.1	0.31	5	8270C	11/30/06 11:12	kelliot	Q19517
Hexachlorobutadiene	BRL	mg/kg	2.1	0.27	5	8270C	11/30/06 11:12	kelliot	Q19517
Hexachlorocyclopentadiene	BRL	mg/kg	2.1	0.48	5	8270C	11/30/06 11:12	kelliot	Q19517
Hexachloroethane	BRL	mg/kg	2.1	0.28	5	8270C	11/30/06 11:12	kelliot	Q19517
Indeno(1,2,3-cd)pyrene	BRL	mg/kg	2.1	0.53	5	8270C	11/30/06 11:12	kelliot	Q19517
Isophorone	BRL	mg/kg	2.1	0.39	5	8270C	11/30/06 11:12	kelliot	Q19517
N-Nitrosodi-n-propylamine	BRL	mg/kg	2.1	0.38	5	8270C	11/30/06 11:12	kelliot	Q19517
N-Nitrosodiphenylamine	BRL	mg/kg	2.1	0.31	5	8270C	11/30/06 11:12	kelliot	Q19517
Naphthalene	BRL	mg/kg	2.1	0.29	5	8270C	11/30/06 11:12	kelliot	Q19517
Nitrobenzene	BRL	mg/kg	2.1	0.38	5	8270C	11/30/06 11:12	kelliot	Q19517
Pentachlorophenol	BRL	mg/kg	11	0.27	5	8270C	11/30/06 11:12	kelliot	Q19517
Phenanthrene	2.9	mg/kg	2.1	0.24	5	8270C	11/30/06 11:12	kelliot	Q19517
Phenol	BRL	mg/kg	2.1	0.25	5	8270C	11/30/06 11:12	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 Client Sample ID: UST2-8.5  
 Prism Sample ID: 166934  
 COC Group: G1106572  
 Time Collected: 11/14/06 15:30  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Pyrene	0.67 J	mg/kg	2.1	0.17	5	8270C	11/30/06 11:12	kelbot	Q19517

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

Sample Preparation: 29.82 g / 1 mL 3550B 11/28/06 7:00 dpope P16943

Surrogate	% Recovery	Control Limits
2,4,6-Tribromophenol	118	25 - 123
2-Fluorobiphenyl	75	21 - 108
2-Fluorophenol	53	14 - 89
Nitrobenzene-d5	124 #	14 - 103
Phenol-d5	64	13 - 95
Terphenyl-d14	83	41 - 136

### Extractable Petroleum Hydrocarbons by GC-FID

C11-C22 Aromatics	2300	mg/kg	13	12	1	MADEP EPH	11/29/06 0:32	grappaccolli	Q19505
C19-C36 Aliphatics	620	mg/kg	63	38	5	MADEP EPH	11/29/06 0:32	grappaccolli	Q19505
C9-C18 Aliphatics	3800	mg/kg	63	54	5	MADEP EPH	11/29/06 0:32	grappaccolli	Q19505

\* Analysis Note for C11-C22 Aromatics: Adjusted value.

Sample Preparation: 10.15 g / 2 mL EPH 11/21/06 10:00 dpope P16905

Surrogate	% Recovery	Control Limits
1-Chloro-octadecane	M #	40 - 140
2-Bromonaphthalene	M #	40 - 140
2-Fluorobiphenyl	M #	40 - 140
o-Terphenyl	M #	40 - 140

### Volatile Petroleum Hydrocarbons by GC-PID/FID

C5-C8 Aliphatics	BRL	mg/kg	89	44	10	MADEP VPH	11/28/06 21:08	erussell	Q19470
C9-C10 Aromatics	140	mg/kg	89	44	10	MADEP VPH	11/28/06 21:08	erussell	Q19470
C9-C12 Aliphatics	270	mg/kg	89	44	10	MADEP VPH	11/28/06 21:08	erussell	Q19470

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. MebaneSt/Alamance Client Sample ID: UST2-8.5  
 Rd. Burlington, NC 27215 Prism Sample ID: 166934  
 Project ID: DOT-Alamance-Burlington COC Group: G1106572  
 Project No.: WBS# 34911.1.1 Time Collected: 11/14/06 15:30  
 Sample Matrix: Soil Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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- \* Analysis Note for C5-C8 Aliphatics: Adjusted value.
- \* Analysis Note for C9-C12 Aliphatics: Adjusted value.

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

Sample Weight Determination

Weight 1	6.27	g	1	MADEP VPH	11/21/06 0:00	lbrown
Weight 2	6.12	g	1	MADEP VPH	11/21/06 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

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 Client Sample ID: UST3-8.5  
 Prism Sample ID: 166935  
 COC Group: G1106572  
 Time Collected: 11/14/06 15:45  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Percent Solids Determination</b>									
Percent Solids	82.5	%			1	SM2540 G	11/20/06 15:20	athao	
<b>Sample Weight Determination</b>									
Weight Bisulfate 1	6.84	g			1	5035	11/27/06 0:00	lbrown	
Weight Bisulfate 2	6.79	g			1	5035	11/27/06 0:00	lbrown	
<b>Volatile Organic Compounds by GC/MS</b>									
1,1,1-Trichloroethane	BRL	mg/kg	0.0044	0.00025	1	8260B	11/22/06 1:18	kcampigotto	Q19412
1,1,2,2-Tetrachloroethane	BRL	mg/kg	0.0044	0.00045	1	8260B	11/22/06 1:18	kcampigotto	Q19412
1,1,2-Trichloroethane	BRL	mg/kg	0.0044	0.00027	1	8260B	11/22/06 1:18	kcampigotto	Q19412
1,1-Dichloroethane	BRL	mg/kg	0.0044	0.00032	1	8260B	11/22/06 1:18	kcampigotto	Q19412
1,1-Dichloroethene	BRL	mg/kg	0.0044	0.00034	1	8260B	11/22/06 1:18	kcampigotto	Q19412
1,1-Dichloropropene	BRL	mg/kg	0.0044	0.00039	1	8260B	11/22/06 1:18	kcampigotto	Q19412
1,2,3-Trichlorobenzene	BRL	mg/kg	0.0044	0.00049	1	8260B	11/22/06 1:18	kcampigotto	Q19412
1,2,3-Trichloropropane	BRL	mg/kg	0.0044	0.00039	1	8260B	11/22/06 1:18	kcampigotto	Q19412
1,2,4-Trichlorobenzene	BRL	mg/kg	0.0044	0.00043	1	8260B	11/22/06 1:18	kcampigotto	Q19412
1,2,4-Trimethylbenzene	BRL	mg/kg	0.0044	0.00034	1	8260B	11/22/06 1:18	kcampigotto	Q19412
1,2-Dibromoethane (EDB)	BRL	mg/kg	0.0044	0.00008	1	8260B	11/22/06 1:18	kcampigotto	Q19412
1,2-Dichlorobenzene	BRL	mg/kg	0.0044	0.00024	1	8260B	11/22/06 1:18	kcampigotto	Q19412
1,2-Dichloroethane	BRL	mg/kg	0.0044	0.00044	1	8260B	11/22/06 1:18	kcampigotto	Q19412
1,2-Dichloropropane	BRL	mg/kg	0.0044	0.00033	1	8260B	11/22/06 1:18	kcampigotto	Q19412
1,3,5-Trimethylbenzene	BRL	mg/kg	0.0044	0.00037	1	8260B	11/22/06 1:18	kcampigotto	Q19412
1,3-Dichlorobenzene	BRL	mg/kg	0.0044	0.00038	1	8260B	11/22/06 1:18	kcampigotto	Q19412
1,3-Dichloropropane	BRL	mg/kg	0.0044	0.0003	1	8260B	11/22/06 1:18	kcampigotto	Q19412
1,4-Dichlorobenzene	BRL	mg/kg	0.0044	0.00035	1	8260B	11/22/06 1:18	kcampigotto	Q19412
2,2-Dichloropropane	BRL	mg/kg	0.0044	0.00022	1	8260B	11/22/06 1:18	kcampigotto	Q19412
2-Chlorotoluene	BRL	mg/kg	0.0044	0.00033	1	8260B	11/22/06 1:18	kcampigotto	Q19412
2-Hexanone	BRL	mg/kg	0.044	0.00046	1	8260B	11/22/06 1:18	kcampigotto	Q19412

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shau/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 Client Sample ID: UST3-8.5  
 Prism Sample ID: 166935  
 COC Group: G1106572  
 Time Collected: 11/14/06 15:45  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	mg/kg	0.0044	0.00023	1	8260B	11/22/06 1:18	kcampigotto	Q19412
4-Methyl-2-pentanone (MIBK)	BRL	mg/kg	0.044	0.00044	1	8260B	11/22/06 1:18	kcampigotto	Q19412
Acetone	BRL	mg/kg	0.044	0.0017	1	8260B	11/22/06 1:18	kcampigotto	Q19412
Benzene	BRL	mg/kg	0.0027	0.00035	1	8260B	11/22/06 1:18	kcampigotto	Q19412
Bromobenzene	BRL	mg/kg	0.0044	0.00031	1	8260B	11/22/06 1:18	kcampigotto	Q19412
Bromochloromethane	BRL	mg/kg	0.0044	0.00027	1	8260B	11/22/06 1:18	kcampigotto	Q19412
Bromodichloromethane	BRL	mg/kg	0.0044	0.00039	1	8260B	11/22/06 1:18	kcampigotto	Q19412
Bromoform	BRL	mg/kg	0.0044	0.00033	1	8260B	11/22/06 1:18	kcampigotto	Q19412
Bromomethane	BRL	mg/kg	0.0089	0.00051	1	8260B	11/22/06 1:18	kcampigotto	Q19412
Carbon tetrachloride	BRL	mg/kg	0.0044	0.00026	1	8260B	11/22/06 1:18	kcampigotto	Q19412
Chlorobenzene	BRL	mg/kg	0.0044	0.00034	1	8260B	11/22/06 1:18	kcampigotto	Q19412
Chlorodibromomethane	BRL	mg/kg	0.0044	0.0003	1	8260B	11/22/06 1:18	kcampigotto	Q19412
Chloroethane	BRL	mg/kg	0.0089	0.00036	1	8260B	11/22/06 1:18	kcampigotto	Q19412
Chloroform	BRL	mg/kg	0.0044	0.00033	1	8260B	11/22/06 1:18	kcampigotto	Q19412
Chloromethane	BRL	mg/kg	0.0044	0.00031	1	8260B	11/22/06 1:18	kcampigotto	Q19412
cis-1,2-Dichloroethene	BRL	mg/kg	0.0044	0.00019	1	8260B	11/22/06 1:18	kcampigotto	Q19412
cis-1,3-Dichloropropene	BRL	mg/kg	0.0044	0.00028	1	8260B	11/22/06 1:18	kcampigotto	Q19412
Dichlorodifluoromethane	BRL	mg/kg	0.0044	0.00099	1	8260B	11/22/06 1:18	kcampigotto	Q19412
Ethylbenzene	BRL	mg/kg	0.0044	0.00031	1	8260B	11/22/06 1:18	kcampigotto	Q19412
Isopropyl ether (IPE)	BRL	mg/kg	0.0044	0.00015	1	8260B	11/22/06 1:18	kcampigotto	Q19412
Isopropylbenzene	BRL	mg/kg	0.0044	0.00035	1	8260B	11/22/06 1:18	kcampigotto	Q19412
m,p-Xylenes	BRL	mg/kg	0.0089	0.00062	1	8260B	11/22/06 1:18	kcampigotto	Q19412
Methyl ethyl ketone (MEK)	BRL	mg/kg	0.089	0.0012	1	8260B	11/22/06 1:18	kcampigotto	Q19412
Methyl t-butyl ether (MTBE)	BRL	mg/kg	0.0089	0.00026	1	8260B	11/22/06 1:18	kcampigotto	Q19412
Methylene chloride	BRL	mg/kg	0.0044	0.00036	1	8260B	11/22/06 1:18	kcampigotto	Q19412
n-Butylbenzene	BRL	mg/kg	0.0044	0.00035	1	8260B	11/22/06 1:18	kcampigotto	Q19412
n-Propylbenzene	BRL	mg/kg	0.0044	0.00027	1	8260B	11/22/06 1:18	kcampigotto	Q19412
Naphthalene	BRL	mg/kg	0.0089	0.00051	1	8260B	11/22/06 1:18	kcampigotto	Q19412

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: UST3-8.5  
 Prism Sample ID: 166935  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/14/06 15:45  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
o-Xylene	BRL	mg/kg	0.0044	0.00027	1	8260B	11/22/06 1:18	kcampigotto	Q19412
p-Isopropyltoluene	BRL	mg/kg	0.0044	0.00038	1	8260B	11/22/06 1:18	kcampigotto	Q19412
sec-Butylbenzene	BRL	mg/kg	0.0044	0.00029	1	8260B	11/22/06 1:18	kcampigotto	Q19412
Styrene	BRL	mg/kg	0.0044	0.00044	1	8260B	11/22/06 1:18	kcampigotto	Q19412
tert-Butylbenzene	BRL	mg/kg	0.0044	0.00027	1	8260B	11/22/06 1:18	kcampigotto	Q19412
Tetrachloroethene	BRL	mg/kg	0.0044	0.00076	1	8260B	11/22/06 1:18	kcampigotto	Q19412
Toluene	BRL	mg/kg	0.0044	0.0003	1	8260B	11/22/06 1:18	kcampigotto	Q19412
trans-1,2-Dichloroethene	BRL	mg/kg	0.0044	0.00034	1	8260B	11/22/06 1:18	kcampigotto	Q19412
trans-1,3-Dichloropropene	BRL	mg/kg	0.0044	0.00031	1	8260B	11/22/06 1:18	kcampigotto	Q19412
Trichloroethene	BRL	mg/kg	0.0044	0.00027	1	8260B	11/22/06 1:18	kcampigotto	Q19412
Trichlorofluoromethane	BRL	mg/kg	0.0044	0.00036	1	8260B	11/22/06 1:18	kcampigotto	Q19412
Vinyl acetate	BRL	mg/kg	0.022	0.0016	1	8260B	11/22/06 1:18	kcampigotto	Q19412
Vinyl chloride	BRL	mg/kg	0.0044	0.00057	1	8260B	11/22/06 1:18	kcampigotto	Q19412

Surrogate	% Recovery	Control Limits
Bromofluorobenzene	101	77 - 128
Dibromofluoromethane	98	67 - 143
Toluene-d8	103	81 - 128

**Semi-volatile Organic Compounds by GC/MS**

1,2,4-Trichlorobenzene	BRL	mg/kg	0.40	0.067	1	8270C	11/29/06 3:37	kelliot	Q19517
1,2-Dichlorobenzene	BRL	mg/kg	0.40	0.055	1	8270C	11/29/06 3:37	kelliot	Q19517
1,3-Dichlorobenzene	BRL	mg/kg	0.40	0.041	1	8270C	11/29/06 3:37	kelliot	Q19517
1,4-Dichlorobenzene	BRL	mg/kg	0.40	0.033	1	8270C	11/29/06 3:37	kelliot	Q19517
2,4,5-Trichlorophenol	BRL	mg/kg	0.40	0.090	1	8270C	11/29/06 3:37	kelliot	Q19517
2,4,6-Trichlorophenol	BRL	mg/kg	0.40	0.085	1	8270C	11/29/06 3:37	kelliot	Q19517
2,4-Dichlorophenol	BRL	mg/kg	0.40	0.082	1	8270C	11/29/06 3:37	kelliot	Q19517
2,4-Dimethylphenol	BRL	mg/kg	0.40	0.078	1	8270C	11/29/06 3:37	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/El  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: UST3-8.5  
 Prism Sample ID: 166935  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/14/06 15:45  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
2,4-Dinitrophenol	BRL	mg/kg	2.0	0.099	1	8270C	11/29/06 3:37	kelliot	Q19517
2,4-Dinitrotoluene	BRL	mg/kg	0.40	0.062	1	8270C	11/29/06 3:37	kelliot	Q19517
2,6-Dinitrotoluene	BRL	mg/kg	0.40	0.047	1	8270C	11/29/06 3:37	kelliot	Q19517
2-Chloronaphthalene	BRL	mg/kg	0.40	0.065	1	8270C	11/29/06 3:37	kelliot	Q19517
2-Chlorophenol	BRL	mg/kg	0.40	0.040	1	8270C	11/29/06 3:37	kelliot	Q19517
2-Methylnaphthalene	BRL	mg/kg	0.40	0.068	1	8270C	11/29/06 3:37	kelliot	Q19517
2-Methylphenol	BRL	mg/kg	0.40	0.064	1	8270C	11/29/06 3:37	kelliot	Q19517
2-Nitrophenol	BRL	mg/kg	0.40	0.051	1	8270C	11/29/06 3:37	kelliot	Q19517
2,4-Methylphenol	BRL	mg/kg	0.40	0.063	1	8270C	11/29/06 3:37	kelliot	Q19517
3,3'-Dichlorobenzidine	BRL	mg/kg	0.80	0.13	1	8270C	11/29/06 3:37	kelliot	Q19517
4,6-Dinitro-2-methylphenol	BRL	mg/kg	2.0	0.090	1	8270C	11/29/06 3:37	kelliot	Q19517
4-Bromophenylphenylether	BRL	mg/kg	0.40	0.067	1	8270C	11/29/06 3:37	kelliot	Q19517
4-Chloro-3-methylphenol	BRL	mg/kg	0.80	0.075	1	8270C	11/29/06 3:37	kelliot	Q19517
4-Chloroaniline	BRL	mg/kg	0.40	0.088	1	8270C	11/29/06 3:37	kelliot	Q19517
4-Chlorophenylphenylether	BRL	mg/kg	0.40	0.061	1	8270C	11/29/06 3:37	kelliot	Q19517
4-Nitrophenol	BRL	mg/kg	2.0	0.099	1	8270C	11/29/06 3:37	kelliot	Q19517
Acenaphthene	BRL	mg/kg	0.40	0.076	1	8270C	11/29/06 3:37	kelliot	Q19517
Acenaphthylene	BRL	mg/kg	0.40	0.075	1	8270C	11/29/06 3:37	kelliot	Q19517
Anthracene	BRL	mg/kg	0.40	0.048	1	8270C	11/29/06 3:37	kelliot	Q19517
Azobenzene	BRL	mg/kg	2.0	0.21	1	8270C	11/29/06 3:37	kelliot	Q19517
Benzo(a)anthracene	BRL	mg/kg	0.40	0.079	1	8270C	11/29/06 3:37	kelliot	Q19517
Benzo(a)pyrene	BRL	mg/kg	0.40	0.040	1	8270C	11/29/06 3:37	kelliot	Q19517
Benzo(b)fluoranthene	BRL	mg/kg	0.40	0.053	1	8270C	11/29/06 3:37	kelliot	Q19517
Benzo(g,h,i)perylene	BRL	mg/kg	0.40	0.092	1	8270C	11/29/06 3:37	kelliot	Q19517
Benzo(k)fluoranthene	BRL	mg/kg	0.40	0.047	1	8270C	11/29/06 3:37	kelliot	Q19517
Benzoic acid	BRL	mg/kg	2.0	0.17	1	8270C	11/29/06 3:37	kelliot	Q19517
Benzyl alcohol	BRL	mg/kg	0.80	0.065	1	8270C	11/29/06 3:37	kelliot	Q19517
Bis(2-chloroethoxy)methane	BRL	mg/kg	0.40	0.076	1	8270C	11/29/06 3:37	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shau/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 Client Sample ID: UST3-8.5  
 Prism Sample ID: 166935  
 COC Group: G1106572  
 Time Collected: 11/14/06 15:45  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-chloroethyl)ether	BRL	mg/kg	0.40	0.028	1	8270C	11/29/06 3:37	kelliot	Q19517
Bis(2-chloroisopropyl)ether	BRL	mg/kg	0.40	0.056	1	8270C	11/29/06 3:37	kelliot	Q19517
Bis(2-ethylhexyl)phthalate	BRL	mg/kg	0.40	0.044	1	8270C	11/29/06 3:37	kelliot	Q19517
Butylbenzylphthalate	BRL	mg/kg	0.40	0.041	1	8270C	11/29/06 3:37	kelliot	Q19517
Chrysene	BRL	mg/kg	0.40	0.075	1	8270C	11/29/06 3:37	kelliot	Q19517
Di-n-butylphthalate	BRL	mg/kg	0.40	0.055	1	8270C	11/29/06 3:37	kelliot	Q19517
Di-n-octylphthalate	BRL	mg/kg	0.40	0.069	1	8270C	11/29/06 3:37	kelliot	Q19517
Dibenzo(a,h)anthracene	BRL	mg/kg	0.40	0.095	1	8270C	11/29/06 3:37	kelliot	Q19517
Dibenzofuran	BRL	mg/kg	0.40	0.074	1	8270C	11/29/06 3:37	kelliot	Q19517
Diethylphthalate	BRL	mg/kg	0.40	0.040	1	8270C	11/29/06 3:37	kelliot	Q19517
Dimethylphthalate	BRL	mg/kg	0.40	0.055	1	8270C	11/29/06 3:37	kelliot	Q19517
Fluoranthene	BRL	mg/kg	0.40	0.048	1	8270C	11/29/06 3:37	kelliot	Q19517
Fluorene	BRL	mg/kg	0.40	0.075	1	8270C	11/29/06 3:37	kelliot	Q19517
Hexachlorobenzene	BRL	mg/kg	0.40	0.058	1	8270C	11/29/06 3:37	kelliot	Q19517
Hexachlorobutadiene	BRL	mg/kg	0.40	0.052	1	8270C	11/29/06 3:37	kelliot	Q19517
Hexachlorocyclopentadiene	BRL	mg/kg	0.40	0.092	1	8270C	11/29/06 3:37	kelliot	Q19517
Hexachloroethane	BRL	mg/kg	0.40	0.053	1	8270C	11/29/06 3:37	kelliot	Q19517
Indeno(1,2,3-cd)pyrene	BRL	mg/kg	0.40	0.10	1	8270C	11/29/06 3:37	kelliot	Q19517
Isophorone	BRL	mg/kg	0.40	0.074	1	8270C	11/29/06 3:37	kelliot	Q19517
N-Nitrosodi-n-propylamine	BRL	mg/kg	0.40	0.073	1	8270C	11/29/06 3:37	kelliot	Q19517
N-Nitrosodiphenylamine	BRL	mg/kg	0.40	0.058	1	8270C	11/29/06 3:37	kelliot	Q19517
Naphthalene	BRL	mg/kg	0.40	0.056	1	8270C	11/29/06 3:37	kelliot	Q19517
Nitrobenzene	BRL	mg/kg	0.40	0.073	1	8270C	11/29/06 3:37	kelliot	Q19517
Pentachlorophenol	BRL	mg/kg	2.0	0.052	1	8270C	11/29/06 3:37	kelliot	Q19517
Phenanthrene	BRL	mg/kg	0.40	0.045	1	8270C	11/29/06 3:37	kelliot	Q19517
Phenol	BRL	mg/kg	0.40	0.048	1	8270C	11/29/06 3:37	kelliot	Q19517
Pyrene	BRL	mg/kg	0.40	0.032	1	8270C	11/29/06 3:37	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaw/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: UST3-8.5  
 Prism Sample ID: 166935  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/14/06 15:45  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Sample Preparation: 30 g / 1 mL 3550B 11/28/06 7:00 dpope P16943

Surrogate	% Recovery	Control Limits
2,4,6-Tribromophenol	81	25 - 123
2-Fluorobiphenyl	77	21 - 108
2-Fluorophenol	71	14 - 89
Nitrobenzene-d5	71	14 - 103
Phenol-d5	88	13 - 95
Terphenyl-d14	101	41 - 136

**Extractable Petroleum Hydrocarbons by GC-FID**

C11-C22 Aromatics	BRL	mg/kg	12	12	1	MADEP EPH	11/29/06 2:15	grappaccloli	Q19505
C19-C36 Aliphatics	BRL	mg/kg	12	7.3	1	MADEP EPH	11/29/06 2:15	grappaccloli	Q19505
C9-C18 Aliphatics	BRL	mg/kg	12	10	1	MADEP EPH	11/29/06 2:15	grappaccloli	Q19505

\* Analysis Note for C11-C22 Aromatics: Adjusted value.

Sample Preparation: 10.07 g / 2 mL EPH 11/21/06 10:00 dpope P16905

Surrogate	% Recovery	Control Limits
1-Chloro-octadecane	95	40 - 140
2-Bromonaphthalene	88	40 - 140
2-Fluorobiphenyl	105	40 - 140
o-Terphenyl	98	40 - 140

**Volatile Petroleum Hydrocarbons by GC-PID/FID**

C5-C8 Aliphatics	BRL	mg/kg	8.5	4.2	1	MADEP VPH	11/28/06 3:43	erussell	Q19470
C9-C10 Aromatics	BRL	mg/kg	8.5	4.2	1	MADEP VPH	11/28/06 3:43	erussell	Q19470
C9-C12 Aliphatics	BRL	mg/kg	8.5	4.2	1	MADEP VPH	11/28/06 3:43	erussell	Q19470

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil

Client Sample ID: UST3-8.5  
 Prism Sample ID: 166935  
 COC Group: G1106572  
 Time Collected: 11/14/06 15:45  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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- \* Analysis Note for C5-C8 Aliphatics: Adjusted value.
- \* Analysis Note for C9-C12 Aliphatics: Adjusted value.

Surrogate	% Recovery	Control Limits
2,5-Dibromotoluene-FID	101	70 - 130
2,5-Dibromotoluene-PID	102	70 - 130

Sample Weight Determination

Weight 1	7.03	g	1	MADEP VPH	11/21/06 0:00	lbrown
Weight 2	6.79	g	1	MADEP VPH	11/21/06 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

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 2XCAV1-3.5  
 Prism Sample ID: 166936  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 14:50  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Percent Solids Determination</b>									
Percent Solids	78.2	%			1	SM2540 G	11/20/06 15:20	athao	
<b>Sample Weight Determination</b>									
Weight Bisulfate 1	6.00	g			1	5035	11/27/06 0:00	lbrown	
Weight Bisulfate 2	5.57	g			1	5035	11/27/06 0:00	lbrown	
<b>Volatile Organic Compounds by GC/MS</b>									
1,1,1-Trichloroethane	BRL	mg/kg	0.0057	0.00032	1	8260B	11/28/06 16:50	kcampigotto	Q19429
1,1,2,2-Tetrachloroethane	BRL	mg/kg	0.0057	0.00059	1	8260B	11/28/06 16:50	kcampigotto	Q19429
1,1,2-Trichloroethane	BRL	mg/kg	0.0057	0.00036	1	8260B	11/28/06 16:50	kcampigotto	Q19429
1,1-Dichloroethane	BRL	mg/kg	0.0057	0.00041	1	8260B	11/28/06 16:50	kcampigotto	Q19429
1,1-Dichloroethane	BRL	mg/kg	0.0057	0.00044	1	8260B	11/28/06 16:50	kcampigotto	Q19429
1,1-Dichloropropene	BRL	mg/kg	0.0057	0.00051	1	8260B	11/28/06 16:50	kcampigotto	Q19429
1,2,3-Trichlorobenzene	BRL	mg/kg	0.0057	0.00063	1	8260B	11/28/06 16:50	kcampigotto	Q19429
1,2,3-Trichloropropane	BRL	mg/kg	0.0057	0.00051	1	8260B	11/28/06 16:50	kcampigotto	Q19429
1,2,4-Trichlorobenzene	BRL	mg/kg	0.0057	0.00055	1	8260B	11/28/06 16:50	kcampigotto	Q19429
1,2,4-Trimethylbenzene	0.065	mg/kg	0.0057	0.00044	1	8260B	11/28/06 16:50	kcampigotto	Q19429
1,2-Dibromoethane (EDB)	BRL	mg/kg	0.0057	0.0001	1	8260B	11/28/06 16:50	kcampigotto	Q19429
1,2-Dichlorobenzene	BRL	mg/kg	0.0057	0.00031	1	8260B	11/28/06 16:50	kcampigotto	Q19429
1,2-Dichloroethane	BRL	mg/kg	0.0057	0.00057	1	8260B	11/28/06 16:50	kcampigotto	Q19429
1,2-Dichloropropane	BRL	mg/kg	0.0057	0.00042	1	8260B	11/28/06 16:50	kcampigotto	Q19429
1,3,5-Trimethylbenzene	0.019	mg/kg	0.0057	0.00048	1	8260B	11/28/06 16:50	kcampigotto	Q19429
1,3-Dichlorobenzene	BRL	mg/kg	0.0057	0.00049	1	8260B	11/28/06 16:50	kcampigotto	Q19429
1,3-Dichloropropane	BRL	mg/kg	0.0057	0.00039	1	8260B	11/28/06 16:50	kcampigotto	Q19429
1,4-Dichlorobenzene	BRL	mg/kg	0.0057	0.00045	1	8260B	11/28/06 16:50	kcampigotto	Q19429
2,2-Dichloropropane	BRL	mg/kg	0.0057	0.00029	1	8260B	11/28/06 16:50	kcampigotto	Q19429
2-Chlorotoluene	BRL	mg/kg	0.0057	0.00042	1	8260B	11/28/06 16:50	kcampigotto	Q19429
2-Hexanone	BRL	mg/kg	0.057	0.0006	1	8260B	11/28/06 16:50	kcampigotto	Q19429

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St/Alamance Rd. Burlington, NC 27215  
 Client Sample ID: ZXCAY1-3.5  
 Prism Sample ID: 166936  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 COC Group: G1106572  
 Time Collected: 11/15/06 14:50  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	mg/kg	0.0057	0.0003	1	8260B	11/28/06 16:50	kcampigotto	Q19429
4-Methyl-2-pentanone (MIBK)	BRL	mg/kg	0.057	0.00057	1	8260B	11/28/06 16:50	kcampigotto	Q19429
Acetone	BRL	mg/kg	0.057	0.0022	1	8260B	11/28/06 16:50	kcampigotto	Q19429
Benzene	BRL	mg/kg	0.0034	0.00046	1	8260B	11/28/06 16:50	kcampigotto	Q19429
Bromobenzene	BRL	mg/kg	0.0057	0.0004	1	8260B	11/28/06 16:50	kcampigotto	Q19429
Bromochloromethane	BRL	mg/kg	0.0057	0.00034	1	8260B	11/28/06 16:50	kcampigotto	Q19429
Bromodichloromethane	BRL	mg/kg	0.0057	0.00051	1	8260B	11/28/06 16:50	kcampigotto	Q19429
Bromoform	BRL	mg/kg	0.0057	0.00042	1	8260B	11/28/06 16:50	kcampigotto	Q19429
Bromomethane	BRL	mg/kg	0.011	0.00067	1	8260B	11/28/06 16:50	kcampigotto	Q19429
Carbon tetrachloride	BRL	mg/kg	0.0057	0.00033	1	8260B	11/28/06 16:50	kcampigotto	Q19429
Chlorobenzene	BRL	mg/kg	0.0057	0.00044	1	8260B	11/28/06 16:50	kcampigotto	Q19429
Chlorodibromomethane	BRL	mg/kg	0.0057	0.00039	1	8260B	11/28/06 16:50	kcampigotto	Q19429
Chloroethane	BRL	mg/kg	0.011	0.00047	1	8260B	11/28/06 16:50	kcampigotto	Q19429
Chloroform	BRL	mg/kg	0.0057	0.00042	1	8260B	11/28/06 16:50	kcampigotto	Q19429
Chloromethane	BRL	mg/kg	0.0057	0.0004	1	8260B	11/28/06 16:50	kcampigotto	Q19429
cis-1,2-Dichloroethene	BRL	mg/kg	0.0057	0.00025	1	8260B	11/28/06 16:50	kcampigotto	Q19429
cis-1,3-Dichloropropene	BRL	mg/kg	0.0057	0.00037	1	8260B	11/28/06 16:50	kcampigotto	Q19429
Dichlorodifluoromethane	BRL	mg/kg	0.0057	0.0013	1	8260B	11/28/06 16:50	kcampigotto	Q19429
Ethylbenzene	0.011	mg/kg	0.0057	0.0004	1	8260B	11/28/06 16:50	kcampigotto	Q19429
Isopropyl ether (IPE)	BRL	mg/kg	0.0057	0.0002	1	8260B	11/28/06 16:50	kcampigotto	Q19429
Isopropylbenzene	0.0048	mg/kg	0.0057	0.00046	1	8260B	11/28/06 16:50	kcampigotto	Q19429
m,p-Xylenes	0.045	mg/kg	0.011	0.0008	1	8260B	11/28/06 16:50	kcampigotto	Q19429
Methyl ethyl ketone (MEK)	BRL	mg/kg	0.11	0.0016	1	8260B	11/28/06 16:50	kcampigotto	Q19429
Methyl t-butyl ether (MTBE)	BRL	mg/kg	0.011	0.00033	1	8260B	11/28/06 16:50	kcampigotto	Q19429
Methylene chloride	BRL	mg/kg	0.0057	0.00047	1	8260B	11/28/06 16:50	kcampigotto	Q19429
n-Butylbenzene	0.023	mg/kg	0.0057	0.00046	1	8260B	11/28/06 16:50	kcampigotto	Q19429
n-Propylbenzene	0.0097	mg/kg	0.0057	0.00034	1	8260B	11/28/06 16:50	kcampigotto	Q19429
Naphthalene	0.089	mg/kg	0.011	0.00067	1	8260B	11/28/06 16:50	kcampigotto	Q19429

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 2XCAV1-3.5  
 Prism Sample ID: 166936  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 COC Group: G1106572  
 Time Collected: 11/15/06 14:50  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
o-Xylene	0.021	mg/kg	0.0057	0.00034	1	8260B	11/28/06 16:50	kcampigotto	Q19429
p-Isopropyltoluene	0.0055 J	mg/kg	0.0057	0.00047	1	8260B	11/28/06 16:50	kcampigotto	Q19429
sec-Butylbenzene	0.011	mg/kg	0.0057	0.00038	1	8260B	11/28/06 16:50	kcampigotto	Q19429
Styrene	BRL	mg/kg	0.0057	0.00057	1	8260B	11/28/06 16:50	kcampigotto	Q19429
tert-Butylbenzene	BRL	mg/kg	0.0057	0.00036	1	8260B	11/28/06 16:50	kcampigotto	Q19429
Tetrachloroethene	BRL	mg/kg	0.0057	0.00099	1	8260B	11/28/06 16:50	kcampigotto	Q19429
Toluene	0.014	mg/kg	0.0057	0.00039	1	8260B	11/28/06 16:50	kcampigotto	Q19429
trans-1,2-Dichloroethene	BRL	mg/kg	0.0057	0.00044	1	8260B	11/28/06 16:50	kcampigotto	Q19429
trans-1,3-Dichloropropene	BRL	mg/kg	0.0057	0.0004	1	8260B	11/28/06 16:50	kcampigotto	Q19429
Trichloroethene	BRL	mg/kg	0.0057	0.00034	1	8260B	11/28/06 16:50	kcampigotto	Q19429
Trichlorofluoromethane	BRL	mg/kg	0.0057	0.00047	1	8260B	11/28/06 16:50	kcampigotto	Q19429
Vinyl acetate	BRL	mg/kg	0.029	0.0021	1	8260B	11/28/06 16:50	kcampigotto	Q19429
Vinyl chloride	BRL	mg/kg	0.0057	0.00073	1	8260B	11/28/06 16:50	kcampigotto	Q19429

Surrogate	% Recovery	Control Limits
Bromofluorobenzene	112	77 - 128
Dibromofluoromethane	103	67 - 143
Toluene-d8	96	81 - 128

### Semi-volatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	BRL	mg/kg	0.43	0.071	1	8270C	11/29/06 4:29	kelliot	Q19517
1,2-Dichlorobenzene	BRL	mg/kg	0.43	0.058	1	8270C	11/29/06 4:29	kelliot	Q19517
1,3-Dichlorobenzene	BRL	mg/kg	0.43	0.044	1	8270C	11/29/06 4:29	kelliot	Q19517
1,4-Dichlorobenzene	BRL	mg/kg	0.43	0.035	1	8270C	11/29/06 4:29	kelliot	Q19517
2,4,5-Trichlorophenol	BRL	mg/kg	0.43	0.095	1	8270C	11/29/06 4:29	kelliot	Q19517
2,4,6-Trichlorophenol	BRL	mg/kg	0.43	0.090	1	8270C	11/29/06 4:29	kelliot	Q19517
2,4-Dichlorophenol	BRL	mg/kg	0.43	0.088	1	8270C	11/29/06 4:29	kelliot	Q19517
2,4-Dimethylphenol	BRL	mg/kg	0.43	0.082	1	8270C	11/29/06 4:29	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St/Alamance Client Sample ID: 2XCAV1-3.5  
 Rd. Burlington, NC 27215 Prism Sample ID: 166936  
 Project ID: DOT-Alamance-Burlington COC Group: G1106572  
 Project No.: WBS# 34911.1.1 Time Collected: 11/15/06 14:50  
 Sample Matrix: Soil Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
2,4-Dinitrophenol	BRL	mg/kg	2.1	0.11	1	8270C	11/29/06 4:29	kelliot	Q19517
2,4-Dinitrotoluene	BRL	mg/kg	0.43	0.066	1	8270C	11/29/06 4:29	kelliot	Q19517
2,6-Dinitrotoluene	BRL	mg/kg	0.43	0.050	1	8270C	11/29/06 4:29	kelliot	Q19517
2-Chloronaphthalene	BRL	mg/kg	0.43	0.070	1	8270C	11/29/06 4:29	kelliot	Q19517
2-Chlorophenol	BRL	mg/kg	0.43	0.043	1	8270C	11/29/06 4:29	kelliot	Q19517
2-Methylnaphthalene	0.27 J	mg/kg	0.43	0.072	1	8270C	11/29/06 4:29	kelliot	Q19517
2-Methylphenol	BRL	mg/kg	0.43	0.068	1	8270C	11/29/06 4:29	kelliot	Q19517
2-Nitrophenol	BRL	mg/kg	0.43	0.054	1	8270C	11/29/06 4:29	kelliot	Q19517
3,4-Methylphenol	BRL	mg/kg	0.43	0.067	1	8270C	11/29/06 4:29	kelliot	Q19517
3,3'-Dichlorobenzidine	BRL	mg/kg	0.85	0.14	1	8270C	11/29/06 4:29	kelliot	Q19517
4,6-Dinitro-2-methylphenol	BRL	mg/kg	2.1	0.095	1	8270C	11/29/06 4:29	kelliot	Q19517
4-Bromophenylphenylether	BRL	mg/kg	0.43	0.071	1	8270C	11/28/06 4:29	kelliot	Q19517
4-Chloro-3-methylphenol	BRL	mg/kg	0.85	0.080	1	8270C	11/29/06 4:29	kelliot	Q19517
4-Chloroaniline	BRL	mg/kg	0.43	0.094	1	8270C	11/29/06 4:29	kelliot	Q19517
4-Chlorophenylphenylether	BRL	mg/kg	0.43	0.064	1	8270C	11/29/06 4:29	kelliot	Q19517
4-Nitrophenol	BRL	mg/kg	2.1	0.11	1	8270C	11/29/06 4:29	kelliot	Q19517
Acenaphthene	BRL	mg/kg	0.43	0.081	1	8270C	11/29/06 4:29	kelliot	Q19517
Acenaphthylene	BRL	mg/kg	0.43	0.080	1	8270C	11/29/06 4:29	kelliot	Q19517
Anthracene	BRL	mg/kg	0.43	0.052	1	8270C	11/29/06 4:29	kelliot	Q19517
Azobenzene	BRL	mg/kg	2.1	0.22	1	8270C	11/29/06 4:29	kelliot	Q19517
Benzo(a)anthracene	BRL	mg/kg	0.43	0.084	1	8270C	11/29/06 4:29	kelliot	Q19517
Benzo(a)pyrene	BRL	mg/kg	0.43	0.043	1	8270C	11/29/06 4:29	kelliot	Q19517
Benzo(b)fluoranthene	BRL	mg/kg	0.43	0.057	1	8270C	11/29/06 4:29	kelliot	Q19517
Benzo(g,h,i)perylene	BRL	mg/kg	0.43	0.098	1	8270C	11/29/06 4:29	kelliot	Q19517
Benzo(k)fluoranthene	BRL	mg/kg	0.43	0.050	1	8270C	11/29/06 4:29	kelliot	Q19517
Benzoic acid	BRL	mg/kg	2.1	0.18	1	8270C	11/29/06 4:29	kelliot	Q19517
Benzyl alcohol	BRL	mg/kg	0.85	0.070	1	8270C	11/29/06 4:29	kelliot	Q19517
Bis(2-chloroethoxy)methane	BRL	mg/kg	0.43	0.081	1	8270C	11/29/06 4:29	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 2XCAV1-3.5  
 Prism Sample ID: 166936  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 14:50  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-chloroethyl)ether	BRL	mg/kg	0.43	0.030	1	8270C	11/29/06 4:29	kelliot	Q19517
Bis(2-chloroisopropyl)ether	BRL	mg/kg	0.43	0.059	1	8270C	11/29/06 4:29	kelliot	Q19517
Bis(2-ethylhexyl)phthalate	BRL	mg/kg	0.43	0.046	1	8270C	11/29/06 4:29	kelliot	Q19517
Butylbenzylphthalate	BRL	mg/kg	0.43	0.044	1	8270C	11/29/06 4:29	kelliot	Q19517
Chrysene	BRL	mg/kg	0.43	0.080	1	8270C	11/29/06 4:29	kelliot	Q19517
Di-n-butylphthalate	BRL	mg/kg	0.43	0.058	1	8270C	11/29/06 4:29	kelliot	Q19517
Di-n-octylphthalate	BRL	mg/kg	0.43	0.073	1	8270C	11/29/06 4:29	kelliot	Q19517
Dibenzo(a,h)anthracene	BRL	mg/kg	0.43	0.10	1	8270C	11/29/06 4:29	kelliot	Q19517
Dibenzofuran	BRL	mg/kg	0.43	0.079	1	8270C	11/29/06 4:29	kelliot	Q19517
Diethylphthalate	BRL	mg/kg	0.43	0.043	1	8270C	11/29/06 4:29	kelliot	Q19517
Dimethylphthalate	BRL	mg/kg	0.43	0.058	1	8270C	11/29/06 4:29	kelliot	Q19517
Fluoranthene	BRL	mg/kg	0.43	0.052	1	8270C	11/29/06 4:29	kelliot	Q19517
Fluorene	BRL	mg/kg	0.43	0.080	1	8270C	11/29/06 4:29	kelliot	Q19517
Hexachlorobenzene	BRL	mg/kg	0.43	0.062	1	8270C	11/29/06 4:29	kelliot	Q19517
Hexachlorobutadiene	BRL	mg/kg	0.43	0.055	1	8270C	11/29/06 4:29	kelliot	Q19517
Hexachlorocyclopentadiene	BRL	mg/kg	0.43	0.098	1	8270C	11/29/06 4:29	kelliot	Q19517
Hexachloroethane	BRL	mg/kg	0.43	0.057	1	8270C	11/29/06 4:29	kelliot	Q19517
Indeno(1,2,3-cd)pyrene	BRL	mg/kg	0.43	0.11	1	8270C	11/29/06 4:29	kelliot	Q19517
Isophorone	BRL	mg/kg	0.43	0.079	1	8270C	11/29/06 4:29	kelliot	Q19517
N-Nitrosodi-n-propylamine	BRL	mg/kg	0.43	0.077	1	8270C	11/29/06 4:29	kelliot	Q19517
N-Nitrosodiphenylamine	BRL	mg/kg	0.43	0.062	1	8270C	11/29/06 4:29	kelliot	Q19517
Naphthalene	BRL	mg/kg	0.43	0.059	1	8270C	11/29/06 4:29	kelliot	Q19517
Nitrobenzene	BRL	mg/kg	0.43	0.077	1	8270C	11/29/06 4:29	kelliot	Q19517
Pentachlorophenol	BRL	mg/kg	2.1	0.055	1	8270C	11/29/06 4:29	kelliot	Q19517
Phenanthrene	BRL	mg/kg	0.43	0.048	1	8270C	11/29/06 4:29	kelliot	Q19517
Phenol	BRL	mg/kg	0.43	0.052	1	8270C	11/29/06 4:29	kelliot	Q19517
Pyrene	BRL	mg/kg	0.43	0.033	1	8270C	11/29/06 4:29	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Schau/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 2XCAV1-3.5  
 Prism Sample ID: 166936  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 14:50  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Sample Preparation: 29.78 g / 1 mL 3550B 11/28/06 7:00 dpope P16943

Surrogate	% Recovery	Control Limits
2-Fluorobiphenyl	95	21 - 108
2-Fluorophenol	80	14 - 89
Nitrobenzene-d5	79	14 - 103
Phenol-d5	76	13 - 95
Terphenyl-d14	104	41 - 136
2,4,6-Tribromophenol	98	25 - 123

Extractable Petroleum Hydrocarbons by GC-FID

C11-C22 Aromatics	BRL	mg/kg	13	12	1	MADEP EPH	11/29/06 3:58	grappaccoli	Q19505
C19-C36 Aliphatics	BRL	mg/kg	13	7.7	1	MADEP EPH	11/29/06 3:58	grappaccoli	Q19505
C9-C18 Aliphatics	54	mg/kg	13	11	1	MADEP EPH	11/29/06 3:58	grappaccoli	Q19505

\* Analysis Note for C11-C22 Aromatics: Adjusted value.

Sample Preparation: 10.07 g / 2 mL EPH 11/21/06 10:00 dpope P16905

Surrogate	% Recovery	Control Limits
1-Chloro-octadecane	87	40 - 140
2-Bromonaphthalene	80	40 - 140
2-Fluorobiphenyl	87	40 - 140
o-Terphenyl	107	40 - 140

Volatile Petroleum Hydrocarbons by GC-PID/FID

C5-C8 Aliphatics	BRL	mg/kg	9.0	4.5	1	MADEP VPH	11/28/06 4:35	erussell	Q19470
C9-C10 Aromatics	BRL	mg/kg	9.0	4.5	1	MADEP VPH	11/28/06 4:35	erussell	Q19470
C9-C12 Aliphatics	BRL	mg/kg	9.0	4.5	1	MADEP VPH	11/28/06 4:35	erussell	Q19470

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St/Alamance Rd, Burlington, NC 27215  
 Client Sample ID: 2XCAV1-3.5  
 Prism Sample ID: 166936  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 14:50  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

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

- \* Analysis Note for C5-C8 Aliphatics: Adjusted value.
- \* Analysis Note for C9-C12 Aliphatics: Adjusted value.

Surrogate	% Recovery	Control Limits
2,5-Dibromotoluene-FID	94	70 - 130
2,5-Dibromotoluene-PID	98	70 - 130

**Sample Weight Determination**

Weight 1	5.98	g	1	MADEP VPH	11/21/06 0:00	lbrown
Weight 2	6.00	g	1	MADEP VPH	11/21/06 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

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St/Alamance Rd, Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 Client Sample ID: 2XCAV2-3.5  
 Prism Sample ID: 166937  
 COC Group: G1106572  
 Time Collected: 11/15/06 14:55  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Percent Solids Determination</b>									
Percent Solids	82.4	%			1	SM2540 G	11/20/06 15:20	athao	
<b>Sample Weight Determination</b>									
Weight Bisulfate 1	6.78	g			1	5035	11/27/06 0:00	brown	
Weight Bisulfate 2	6.62	g			1	5035	11/27/06 0:00	brown	
<b>Volatile Organic Compounds by GC/MS</b>									
1,1,1-Trichloroethane	BRL	mg/kg	0.0045	0.00025	1	8260B	11/22/06 15:46	kcampigotto	Q19429
1,1,2,2-Tetrachloroethane	BRL	mg/kg	0.0045	0.00046	1	8260B	11/22/06 15:46	kcampigotto	Q19429
1,1,2-Trichloroethane	BRL	mg/kg	0.0045	0.00028	1	8260B	11/22/06 15:46	kcampigotto	Q19429
1,1-Dichloroethane	BRL	mg/kg	0.0045	0.00032	1	8260B	11/22/06 15:46	kcampigotto	Q19429
1,1-Dichloroethene	BRL	mg/kg	0.0045	0.00034	1	8260B	11/22/06 15:46	kcampigotto	Q19429
1,1-Dichloropropene	BRL	mg/kg	0.0045	0.00039	1	8260B	11/22/06 15:46	kcampigotto	Q19429
1,2,3-Trichlorobenzene	BRL	mg/kg	0.0045	0.00049	1	8260B	11/22/06 15:46	kcampigotto	Q19429
1,2,3-Trichloropropane	BRL	mg/kg	0.0045	0.00039	1	8260B	11/22/06 15:46	kcampigotto	Q19429
1,2,4-Trichlorobenzene	BRL	mg/kg	0.0045	0.00043	1	8260B	11/22/06 15:46	kcampigotto	Q19429
1,2,4-Trimethylbenzene	0.028	mg/kg	0.0045	0.00034	1	8260B	11/22/06 15:46	kcampigotto	Q19429
1,2-Dibromoethane (EDB)	BRL	mg/kg	0.0045	0.000081	1	8260B	11/22/06 15:46	kcampigotto	Q19429
1,2-Dichlorobenzene	BRL	mg/kg	0.0045	0.00024	1	8260B	11/22/06 15:46	kcampigotto	Q19429
1,2-Dichloroethane	BRL	mg/kg	0.0045	0.00045	1	8260B	11/22/06 15:46	kcampigotto	Q19429
1,2-Dichloropropane	BRL	mg/kg	0.0045	0.00033	1	8260B	11/22/06 15:46	kcampigotto	Q19429
1,3,5-Trimethylbenzene	0.0068	mg/kg	0.0045	0.00038	1	8260B	11/22/06 15:46	kcampigotto	Q19429
1,3-Dichlorobenzene	BRL	mg/kg	0.0045	0.00038	1	8260B	11/22/06 15:46	kcampigotto	Q19429
1,3-Dichloropropane	BRL	mg/kg	0.0045	0.0003	1	8260B	11/22/06 15:46	kcampigotto	Q19429
1,4-Dichlorobenzene	BRL	mg/kg	0.0045	0.00035	1	8260B	11/22/06 15:46	kcampigotto	Q19429
2,2-Dichloropropane	BRL	mg/kg	0.0045	0.00022	1	8260B	11/22/06 15:46	kcampigotto	Q19429
2-Chlorotoluene	BRL	mg/kg	0.0045	0.00033	1	8260B	11/22/06 15:46	kcampigotto	Q19429
2-Hexanone	BRL	mg/kg	0.045	0.00047	1	8260B	11/22/06 15:46	kcampigotto	Q19429

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

# Laboratory Report

12/05/08

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 Client Sample ID: 2XCAV2-3.5  
 Prism Sample ID: 166937  
 COC Group: G1106572  
 Time Collected: 11/15/06 14:55  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	mg/kg	0.0045	0.00023	1	8260B	11/22/06 15:46	kcampigotto	Q19429
4-Methyl-2-pentanone (MIBK)	BRL	mg/kg	0.045	0.00045	1	8260B	11/22/06 15:46	kcampigotto	Q19429
Acetone	BRL	mg/kg	0.045	0.0018	1	8260B	11/22/06 15:46	kcampigotto	Q19429
Benzene	BRL	mg/kg	0.0027	0.00036	1	8260B	11/22/06 15:46	kcampigotto	Q19429
Bromobenzene	BRL	mg/kg	0.0045	0.00031	1	8260B	11/22/06 15:46	kcampigotto	Q19429
Bromochloromethane	BRL	mg/kg	0.0045	0.00027	1	8260B	11/22/06 15:46	kcampigotto	Q19429
Bromodichloromethane	BRL	mg/kg	0.0045	0.00039	1	8260B	11/22/06 15:46	kcampigotto	Q19429
Bromoform	BRL	mg/kg	0.0045	0.00033	1	8260B	11/22/06 15:46	kcampigotto	Q19429
Bromomethane	BRL	mg/kg	0.0089	0.00052	1	8260B	11/22/06 15:46	kcampigotto	Q19429
Carbon tetrachloride	BRL	mg/kg	0.0045	0.00026	1	8260B	11/22/06 15:46	kcampigotto	Q19429
Chlorobenzene	BRL	mg/kg	0.0045	0.00034	1	8260B	11/22/06 15:46	kcampigotto	Q19429
Chlorodibromomethane	BRL	mg/kg	0.0045	0.0003	1	8260B	11/22/06 15:46	kcampigotto	Q19429
Chloroethane	BRL	mg/kg	0.0089	0.00037	1	8260B	11/22/06 15:46	kcampigotto	Q19429
Chloroform	BRL	mg/kg	0.0045	0.00033	1	8260B	11/22/06 15:46	kcampigotto	Q19429
Chloromethane	BRL	mg/kg	0.0045	0.00031	1	8260B	11/22/06 15:46	kcampigotto	Q19429
cis-1,2-Dichloroethene	BRL	mg/kg	0.0045	0.0002	1	8260B	11/22/06 15:46	kcampigotto	Q19429
cis-1,3-Dichloropropene	BRL	mg/kg	0.0045	0.00029	1	8260B	11/22/06 15:46	kcampigotto	Q19429
Dichlorodifluoromethane	BRL	mg/kg	0.0045	0.0010	1	8260B	11/22/06 15:46	kcampigotto	Q19429
Ethylbenzene	0.0034 J	mg/kg	0.0045	0.00031	1	8260B	11/22/06 15:46	kcampigotto	Q19429
Isopropyl ether (IPE)	BRL	mg/kg	0.0045	0.00015	1	8260B	11/22/06 15:46	kcampigotto	Q19429
Isopropylbenzene	BRL	mg/kg	0.0045	0.00035	1	8260B	11/22/06 15:46	kcampigotto	Q19429
m,p-Xylenes	0.011	mg/kg	0.0089	0.00063	1	8260B	11/22/06 15:46	kcampigotto	Q19429
Methyl ethyl ketone (MEK)	BRL	mg/kg	0.089	0.0013	1	8260B	11/22/06 15:46	kcampigotto	Q19429
Methyl t-butyl ether (MTBE)	BRL	mg/kg	0.0089	0.00028	1	8260B	11/22/06 15:46	kcampigotto	Q19429
Methylene chloride	BRL	mg/kg	0.0045	0.00037	1	8260B	11/22/06 15:46	kcampigotto	Q19429
n-Butylbenzene	0.0088	mg/kg	0.0045	0.00036	1	8260B	11/22/06 15:46	kcampigotto	Q19429
n-Propylbenzene	0.0026 J	mg/kg	0.0045	0.00027	1	8260B	11/22/06 15:46	kcampigotto	Q19429
Naphthalene	0.030	mg/kg	0.0089	0.00052	1	8260B	11/22/06 15:46	kcampigotto	Q19429

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Page 30 of 133



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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc.  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 Client Sample ID: 2XCAV2-3.5  
 Prism Sample ID: 166937  
 COC Group: G1106572  
 Time Collected: 11/15/06 14:55  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
o-Xylene	0.0020 J	mg/kg	0.0045	0.00027	1	8260B	11/22/06 15:46	kcampigotto	Q19429
p-Isopropyltoluene	0.0029 J	mg/kg	0.0045	0.00037	1	8260B	11/22/06 15:46	kcampigotto	Q19429
sec-Butylbenzene	0.0027 J	mg/kg	0.0045	0.0003	1	8260B	11/22/06 15:46	kcampigotto	Q19429
Styrene	BRL	mg/kg	0.0045	0.00045	1	8260B	11/22/06 15:46	kcampigotto	Q19429
tert-Butylbenzene	BRL	mg/kg	0.0045	0.00028	1	8260B	11/22/06 15:46	kcampigotto	Q19429
Tetrachloroethane	BRL	mg/kg	0.0045	0.00077	1	8260B	11/22/06 15:46	kcampigotto	Q19429
Toluene	BRL	mg/kg	0.0045	0.0003	1	8260B	11/22/06 15:46	kcampigotto	Q19429
trans-1,2-Dichloroethene	BRL	mg/kg	0.0045	0.00034	1	8260B	11/22/06 15:46	kcampigotto	Q19429
trans-1,3-Dichloropropene	BRL	mg/kg	0.0045	0.00031	1	8260B	11/22/06 15:46	kcampigotto	Q19429
Trichloroethene	BRL	mg/kg	0.0045	0.00027	1	8260B	11/22/06 15:46	kcampigotto	Q19429
Trichlorofluoromethane	BRL	mg/kg	0.0045	0.00037	1	8260B	11/22/06 15:46	kcampigotto	Q19429
Vinyl acetate	BRL	mg/kg	0.022	0.0016	1	8260B	11/22/06 15:46	kcampigotto	Q19429
Vinyl chloride	BRL	mg/kg	0.0045	0.00057	1	8260B	11/22/06 15:46	kcampigotto	Q19429

Surrogate	% Recovery	Control Limits
Bromofluorobenzene	98	77 - 128
Dibromofluoromethane	110	87 - 143
Toluene-d8	103	81 - 128

### Semi-volatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	BRL	mg/kg	0.40	0.067	1	8270C	11/29/06 5:21	kelBot	Q19517
1,2-Dichlorobenzene	BRL	mg/kg	0.40	0.055	1	8270C	11/29/06 5:21	kelBot	Q19517
1,3-Dichlorobenzene	BRL	mg/kg	0.40	0.041	1	8270C	11/29/06 5:21	kelBot	Q19517
1,4-Dichlorobenzene	BRL	mg/kg	0.40	0.033	1	8270C	11/29/06 5:21	kelBot	Q19517
2,4,5-Trichlorophenol	BRL	mg/kg	0.40	0.090	1	8270C	11/29/06 5:21	kelBot	Q19517
2,4,6-Trichlorophenol	BRL	mg/kg	0.40	0.085	1	8270C	11/29/06 5:21	kelBot	Q19517
2,4-Dichlorophenol	BRL	mg/kg	0.40	0.082	1	8270C	11/29/06 5:21	kelBot	Q19517
2,4-Dimethylphenol	BRL	mg/kg	0.40	0.078	1	8270C	11/29/06 5:21	kelBot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 2XCAV2-3.5  
 Prism Sample ID: 166937  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 14:55  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
2,4-Dinitrophenol	BRL	mg/kg	2.0	0.099	1	8270C	11/29/06 5:21	kelliot	Q19517
2,4-Dinitrotoluene	BRL	mg/kg	0.40	0.062	1	8270C	11/29/06 5:21	kelliot	Q19517
2,6-Dinitrotoluene	BRL	mg/kg	0.40	0.047	1	8270C	11/29/06 5:21	kelliot	Q19517
2-Chloronaphthalene	BRL	mg/kg	0.40	0.066	1	8270C	11/29/06 5:21	kelliot	Q19517
2-Chlorophenol	BRL	mg/kg	0.40	0.040	1	8270C	11/29/06 5:21	kelliot	Q19517
2-Methylnaphthalene	BRL	mg/kg	0.40	0.068	1	8270C	11/29/06 5:21	kelliot	Q19517
2-Methylphenol	BRL	mg/kg	0.40	0.064	1	8270C	11/29/06 5:21	kelliot	Q19517
2-Nitrophenol	BRL	mg/kg	0.40	0.051	1	8270C	11/29/06 5:21	kelliot	Q19517
3&4-Methylphenol	BRL	mg/kg	0.40	0.063	1	8270C	11/29/06 5:21	kelliot	Q19517
3,3'-Dichlorobenzidine	BRL	mg/kg	0.80	0.13	1	8270C	11/29/06 5:21	kelliot	Q19517
4,6-Dinitro-2-methylphenol	BRL	mg/kg	2.0	0.090	1	8270C	11/29/06 5:21	kelliot	Q19517
4-Bromophenylphenylether	BRL	mg/kg	0.40	0.067	1	8270C	11/29/06 5:21	kelliot	Q19517
4-Chloro-3-methylphenol	BRL	mg/kg	0.80	0.075	1	8270C	11/29/06 5:21	kelliot	Q19517
4-Chloroaniline	BRL	mg/kg	0.40	0.089	1	8270C	11/29/06 5:21	kelliot	Q19517
4-Chlorophenylphenylether	BRL	mg/kg	0.40	0.061	1	8270C	11/29/06 5:21	kelliot	Q19517
4-Nitrophenol	BRL	mg/kg	2.0	0.099	1	8270C	11/29/06 5:21	kelliot	Q19517
Acenaphthene	BRL	mg/kg	0.40	0.076	1	8270C	11/29/06 5:21	kelliot	Q19517
Acenaphthylene	BRL	mg/kg	0.40	0.075	1	8270C	11/29/06 5:21	kelliot	Q19517
Anthracene	BRL	mg/kg	0.40	0.049	1	8270C	11/29/06 5:21	kelliot	Q19517
Azobenzene	BRL	mg/kg	2.0	0.21	1	8270C	11/29/06 5:21	kelliot	Q19517
Benzo(a)anthracene	BRL	mg/kg	0.40	0.079	1	8270C	11/29/06 5:21	kelliot	Q19517
Benzo(a)pyrene	BRL	mg/kg	0.40	0.040	1	8270C	11/29/06 5:21	kelliot	Q19517
Benzo(b)fluoranthene	BRL	mg/kg	0.40	0.053	1	8270C	11/29/06 5:21	kelliot	Q19517
Benzo(g,h,i)perylene	BRL	mg/kg	0.40	0.092	1	8270C	11/29/06 5:21	kelliot	Q19517
Benzo(k)fluoranthene	BRL	mg/kg	0.40	0.047	1	8270C	11/29/06 5:21	kelliot	Q19517
Benzoic acid	BRL	mg/kg	2.0	0.17	1	8270C	11/29/06 5:21	kelliot	Q19517
Benzyl alcohol	BRL	mg/kg	0.80	0.066	1	8270C	11/29/06 5:21	kelliot	Q19517
Bis(2-chloroethoxy)methane	BRL	mg/kg	0.40	0.076	1	8270C	11/29/06 5:21	kelliot	Q19517

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NC Certification No. 402  
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# Laboratory Report

12/05/08

N. C. Department of Transportation  
 Attn: Bob Shau/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215 Client Sample ID: 2XCAV2-3.5  
 Prism Sample ID: 166937  
 Project ID: DOT-Alamance-Burlington COC Group: G1106572  
 Project No.: WBS# 34911.1.1 Time Collected: 11/15/08 14:55  
 Sample Matrix: Soil Time Submitted: 11/17/08 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-chloroethyl)ether	BRL	mg/kg	0.40	0.028	1	8270C	11/29/06 5:21	kelliot	Q19517
Bis(2-chloroisopropyl)ether	BRL	mg/kg	0.40	0.058	1	8270C	11/29/06 5:21	kelliot	Q19517
Bis(2-ethylhexyl)phthalate	BRL	mg/kg	0.40	0.044	1	8270C	11/29/06 5:21	kelliot	Q19517
Butylbenzylphthalate	BRL	mg/kg	0.40	0.041	1	8270C	11/29/06 5:21	kelliot	Q19517
Chrysene	BRL	mg/kg	0.40	0.075	1	8270C	11/29/06 5:21	kelliot	Q19517
Di-n-butylphthalate	BRL	mg/kg	0.40	0.055	1	8270C	11/29/06 5:21	kelliot	Q19517
Di-n-octylphthalate	BRL	mg/kg	0.40	0.069	1	8270C	11/29/06 5:21	kelliot	Q19517
Dibenzo(a,h)anthracene	BRL	mg/kg	0.40	0.095	1	8270C	11/29/06 5:21	kelliot	Q19517
Dibenzofuran	BRL	mg/kg	0.40	0.074	1	8270C	11/29/06 5:21	kelliot	Q19517
Diethylphthalate	BRL	mg/kg	0.40	0.040	1	8270C	11/29/06 5:21	kelliot	Q19517
Dimethylphthalate	BRL	mg/kg	0.40	0.055	1	8270C	11/29/06 5:21	kelliot	Q19517
Fluoranthene	BRL	mg/kg	0.40	0.049	1	8270C	11/29/06 5:21	kelliot	Q19517
Fluorene	BRL	mg/kg	0.40	0.075	1	8270C	11/29/06 5:21	kelliot	Q19517
Hexachlorobenzene	BRL	mg/kg	0.40	0.058	1	8270C	11/29/06 5:21	kelliot	Q19517
Hexachlorobutadiene	BRL	mg/kg	0.40	0.052	1	8270C	11/29/06 5:21	kelliot	Q19517
Hexachlorocyclopentadiene	BRL	mg/kg	0.40	0.092	1	8270C	11/29/06 5:21	kelliot	Q19517
Hexachloroethane	BRL	mg/kg	0.40	0.053	1	8270C	11/29/06 5:21	kelliot	Q19517
Indeno(1,2,3-cd)pyrene	BRL	mg/kg	0.40	0.10	1	8270C	11/29/06 5:21	kelliot	Q19517
Isophorone	BRL	mg/kg	0.40	0.074	1	8270C	11/29/06 5:21	kelliot	Q19517
N-Nitrosodl-n-propylamine	BRL	mg/kg	0.40	0.073	1	8270C	11/29/06 5:21	kelliot	Q19517
N-Nitrosodlphenylamine	BRL	mg/kg	0.40	0.058	1	8270C	11/29/06 5:21	kelliot	Q19517
Naphthalene	BRL	mg/kg	0.40	0.056	1	8270C	11/29/06 5:21	kelliot	Q19517
Nitrobenzene	BRL	mg/kg	0.40	0.073	1	8270C	11/29/06 5:21	kelliot	Q19517
Pentachlorophenol	BRL	mg/kg	2.0	0.052	1	8270C	11/29/06 5:21	kelliot	Q19517
Phenanthrene	BRL	mg/kg	0.40	0.045	1	8270C	11/29/06 5:21	kelliot	Q19517
Phenol	BRL	mg/kg	0.40	0.049	1	8270C	11/29/06 5:21	kelliot	Q19517
Pyrene	BRL	mg/kg	0.40	0.032	1	8270C	11/29/06 5:21	kelliot	Q19517

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12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 2XCAV2-3.5  
 Prism Sample ID: 166937  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 COC Group: G1106572  
 Time Collected: 11/15/06 14:55  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Sample Preparation: 30.01 g / 1 mL 3550B 11/28/06 7:00 dpope P16943

Surrogate	% Recovery	Control Limits
2,4,6-Tribromophenol	93	25 - 123
2-Fluorobiphenyl	75	21 - 108
2-Fluorophenol	64	14 - 89
Nitrobenzene-d5	71	14 - 103
Phenol-d5	64	13 - 95
Terphenyl-d14	107	41 - 136

Extractable Petroleum Hydrocarbons by GC-FID

C11-C22 Aromatics	BRL	mg/kg	12	11	1	MADEP EPH	11/29/06 12:34	grappacchio	Q19505
C19-C36 Aliphatics	BRL	mg/kg	12	7.3	1	MADEP EPH	11/29/06 12:34	grappacchio	Q19505
C9-C18 Aliphatics	BRL	mg/kg	12	10	1	MADEP EPH	11/29/06 12:34	grappacchio	Q19505

\* Analysis Note for C11-C22 Aromatics: Adjusted value.

Sample Preparation: 10.17 g / 2 mL EPH 11/21/06 10:00 dpope P16905

Surrogate	% Recovery	Control Limits
1-Chloro-octadecane	101	40 - 140
2-Bromonaphthalene	121	40 - 140
2-Fluorobiphenyl	132	40 - 140
o-Terphenyl	108	40 - 140

Volatile Petroleum Hydrocarbons by GC-PID/FID

C5-C8 Aliphatics	BRL	mg/kg	8.5	4.2	1	MADEP VPH	11/28/06 5:27	erussell	Q19470
C9-C10 Aromatics	BRL	mg/kg	8.5	4.2	1	MADEP VPH	11/28/06 5:27	erussell	Q19470
C9-C12 Aliphatics	BRL	mg/kg	8.5	4.2	1	MADEP VPH	11/28/06 5:27	erussell	Q19470

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 2XCAV2-3.5  
 Prism Sample ID: 166937  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 COC Group: G1106572  
 Time Collected: 11/15/06 14:55  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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- \* Analysis Note for C5-C8 Aliphatics: Adjusted value.
- \* Analysis Note for C9-C12 Aliphatics: Adjusted value.

Surrogate	% Recovery	Control Limits
2,5-Dibromotoluene-FID	95	70 - 130
2,5-Dibromotoluene-PID	92	70 - 130

**Sample Weight Determination**

Weight	Result	Units	Dilution Factor	Method	Analysis Date/Time	Color
Weight 1	6.41	g	1	MADEP VPH	11/21/06 0:00	Brown
Weight 2	6.39	g	1	MADEP VPH	11/21/06 0:00	Brown

**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

12/05/08

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 2XCAV3-3.5  
 Prism Sample ID: 166938  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 COC Group: G1106572  
 Time Collected: 11/15/06 15:25  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b><u>Percent Solids Determination</u></b>									
Percent Solids	89.4	%			1	SM2540 G	11/20/06 15:20	athao	
<b><u>Sample Weight Determination</u></b>									
Weight Bisulfate 1	5.96	g			1	5035	11/27/06 0:00	Brown	
Weight Bisulfate 2	5.69	g			1	5085	11/27/06 0:00	Brown	
<b><u>Volatile Organic Compounds by GC/MS</u></b>									
1,1,1-Trichloroethane	BRL	mg/kg	0.0047	0.00026	1	8260B	11/22/06 16:29	kcampigotto	Q19429
1,1,1,2-Tetrachloroethane	BRL	mg/kg	0.0047	0.00048	1	8260B	11/22/06 16:29	kcampigotto	Q19429
1,1,2-Trichloroethane	BRL	mg/kg	0.0047	0.00029	1	8260B	11/22/06 16:29	kcampigotto	Q19429
1,1-Dichloroethane	BRL	mg/kg	0.0047	0.00034	1	8260B	11/22/06 16:29	kcampigotto	Q19429
1,1-Dichloroethene	BRL	mg/kg	0.0047	0.00036	1	8260B	11/22/06 16:29	kcampigotto	Q19429
1,1-Dichloropropene	BRL	mg/kg	0.0047	0.00041	1	8260B	11/22/06 16:29	kcampigotto	Q19429
1,2,3-Trichlorobenzene	BRL	mg/kg	0.0047	0.00052	1	8260B	11/22/06 16:29	kcampigotto	Q19429
1,2,3-Trichloropropane	BRL	mg/kg	0.0047	0.00041	1	8260B	11/22/06 16:29	kcampigotto	Q19429
1,2,4-Trichlorobenzene	BRL	mg/kg	0.0047	0.00045	1	8260B	11/22/06 16:29	kcampigotto	Q19429
1,2,4-Trimethylbenzene	0.048	mg/kg	0.0047	0.00036	1	8260B	11/22/06 16:29	kcampigotto	Q19429
1,2-Dibromoethane (EDB)	BRL	mg/kg	0.0047	0.000084	1	8260B	11/22/06 16:29	kcampigotto	Q19429
1,2-Dichlorobenzene	BRL	mg/kg	0.0047	0.00025	1	8260B	11/22/06 16:29	kcampigotto	Q19429
1,2-Dichloroethane	BRL	mg/kg	0.0047	0.00047	1	8260B	11/22/06 16:29	kcampigotto	Q19429
1,2-Dichloropropane	BRL	mg/kg	0.0047	0.00035	1	8260B	11/22/06 16:29	kcampigotto	Q19429
1,3,5-Trimethylbenzene	0.015	mg/kg	0.0047	0.00039	1	8260B	11/22/06 16:29	kcampigotto	Q19429
1,3-Dichlorobenzene	BRL	mg/kg	0.0047	0.0004	1	8260B	11/22/06 16:29	kcampigotto	Q19429
1,3-Dichloropropane	BRL	mg/kg	0.0047	0.00032	1	8260B	11/22/06 16:29	kcampigotto	Q19429
1,4-Dichlorobenzene	BRL	mg/kg	0.0047	0.00037	1	8260B	11/22/06 16:29	kcampigotto	Q19429
2,2-Dichloropropane	BRL	mg/kg	0.0047	0.00023	1	8260B	11/22/06 16:29	kcampigotto	Q19429
2-Chlorotoluene	BRL	mg/kg	0.0047	0.00035	1	8260B	11/22/06 16:29	kcampigotto	Q19429
2-Hexanone	BRL	mg/kg	0.047	0.00049	1	8260B	11/22/06 16:29	kcampigotto	Q19429

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Client Sample ID: 2XCAV3-3.5  
 Rd. Burlington, NC 27215 Prism Sample ID: 166938  
 Project ID: DOT-Alamance-Burlington COC Group: G1106572  
 Project No.: WBS# 34911.1.1 Time Collected: 11/15/06 15:25  
 Sample Matrix: Soil Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	mg/kg	0.0047	0.00024	1	8260B	11/22/06 16:29	kcampigotto	Q19429
4-Methyl-2-pentanone (MIBK)	BRL	mg/kg	0.047	0.00047	1	8260B	11/22/06 16:29	kcampigotto	Q19429
Acetone	BRL	mg/kg	0.047	0.0018	1	8260B	11/22/06 16:29	kcampigotto	Q19429
Benzene	BRL	mg/kg	0.0028	0.00038	1	8260B	11/22/06 16:29	kcampigotto	Q19429
Bromobenzene	BRL	mg/kg	0.0047	0.00033	1	8260B	11/22/06 16:29	kcampigotto	Q19429
Bromochloromethane	BRL	mg/kg	0.0047	0.00028	1	8260B	11/22/06 16:29	kcampigotto	Q19429
Bromodichloromethane	BRL	mg/kg	0.0047	0.00041	1	8260B	11/22/06 16:29	kcampigotto	Q19429
Bromoform	BRL	mg/kg	0.0047	0.00035	1	8260B	11/22/06 16:29	kcampigotto	Q19429
Bromomethane	BRL	mg/kg	0.0094	0.00054	1	8260B	11/22/06 16:29	kcampigotto	Q19429
Carbon tetrachloride	BRL	mg/kg	0.0047	0.00027	1	8260B	11/22/06 16:29	kcampigotto	Q19429
Chlorobenzene	BRL	mg/kg	0.0047	0.00038	1	8260B	11/22/06 16:29	kcampigotto	Q19429
Chlorodibromomethane	BRL	mg/kg	0.0047	0.00032	1	8260B	11/22/06 16:29	kcampigotto	Q19429
Chloroethane	BRL	mg/kg	0.0094	0.00038	1	8260B	11/22/06 16:29	kcampigotto	Q19429
Chloroform	BRL	mg/kg	0.0047	0.00035	1	8260B	11/22/06 16:29	kcampigotto	Q19429
Chloromethane	BRL	mg/kg	0.0047	0.00033	1	8260B	11/22/06 16:29	kcampigotto	Q19429
cis-1,2-Dichloroethene	BRL	mg/kg	0.0047	0.00021	1	8260B	11/22/06 16:29	kcampigotto	Q19429
cis-1,3-Dichloropropene	BRL	mg/kg	0.0047	0.0003	1	8260B	11/22/06 16:29	kcampigotto	Q19429
Dichlorodifluoromethane	BRL	mg/kg	0.0047	0.0011	1	8260B	11/22/06 16:29	kcampigotto	Q19429
Ethylbenzene	0.018	mg/kg	0.0047	0.00033	1	8260B	11/22/06 16:29	kcampigotto	Q19429
Isopropyl ether (IPE)	BRL	mg/kg	0.0047	0.00016	1	8260B	11/22/06 16:29	kcampigotto	Q19429
Isopropylbenzene	0.0034 J	mg/kg	0.0047	0.00038	1	8260B	11/22/06 16:29	kcampigotto	Q19429
m,p-Xylenes	0.048	mg/kg	0.0094	0.00068	1	8260B	11/22/06 16:29	kcampigotto	Q19429
Methyl ethyl ketone (MEK)	BRL	mg/kg	0.094	0.0013	1	8260B	11/22/06 16:29	kcampigotto	Q19429
Methyl t-butyl ether (MTBE)	BRL	mg/kg	0.0094	0.00027	1	8260B	11/22/06 16:29	kcampigotto	Q19429
Methylene chloride	BRL	mg/kg	0.0047	0.00038	1	8260B	11/22/06 16:29	kcampigotto	Q19429
n-Butylbenzene	BRL	mg/kg	0.0047	0.00038	1	8260B	11/22/06 16:29	kcampigotto	Q19429
n-Propylbenzene	0.0088	mg/kg	0.0047	0.00028	1	8260B	11/22/06 16:29	kcampigotto	Q19429
Naphthalene	0.020	mg/kg	0.0094	0.00054	1	8260B	11/22/06 16:29	kcampigotto	Q19429

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 Client Sample ID: 2XCAV3-3.5  
 Prism Sample ID: 166938  
 COC Group: G1106572  
 Time Collected: 11/15/06 15:25  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
o-Xylene	0.0068	mg/kg	0.0047	0.00028	1	8260B	11/22/06 16:29	kcampigotto	Q19429
p-Isopropyltoluene	0.0020 J	mg/kg	0.0047	0.00038	1	8260B	11/22/06 16:29	kcampigotto	Q19429
sec-Butylbenzene	BRL	mg/kg	0.0047	0.00031	1	8260B	11/22/06 16:29	kcampigotto	Q19429
Styrene	BRL	mg/kg	0.0047	0.00047	1	8260B	11/22/06 16:29	kcampigotto	Q19429
tert-Butylbenzene	BRL	mg/kg	0.0047	0.00029	1	8260B	11/22/06 16:29	kcampigotto	Q19429
Tetrachloroethene	BRL	mg/kg	0.0047	0.00081	1	8260B	11/22/06 16:29	kcampigotto	Q19429
Toluene	BRL	mg/kg	0.0047	0.00032	1	8260B	11/22/06 16:29	kcampigotto	Q19429
trans-1,2-Dichloroethene	BRL	mg/kg	0.0047	0.00038	1	8260B	11/22/06 16:29	kcampigotto	Q19429
trans-1,3-Dichloropropene	BRL	mg/kg	0.0047	0.00033	1	8260B	11/22/06 16:29	kcampigotto	Q19429
Trichloroethene	BRL	mg/kg	0.0047	0.00028	1	8260B	11/22/06 16:29	kcampigotto	Q19429
Trichlorofluoromethane	BRL	mg/kg	0.0047	0.00038	1	8260B	11/22/06 16:29	kcampigotto	Q19429
Vinyl acetate	BRL	mg/kg	0.023	0.0017	1	8260B	11/22/06 16:29	kcampigotto	Q19429
Vinyl chloride	BRL	mg/kg	0.0047	0.0006	1	8260B	11/22/06 16:29	kcampigotto	Q19429

Surrogate	% Recovery	Control Limits
Bromofluorobenzene	100	77 - 128
Dibromofluoromethane	105	67 - 143
Toluene-d8	102	81 - 128

Semi-volatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	BRL	mg/kg	0.37	0.061	1	8270C	11/29/06 6:12	keflot	Q19517
1,2-Dichlorobenzene	BRL	mg/kg	0.37	0.050	1	8270C	11/29/06 6:12	keflot	Q19517
1,3-Dichlorobenzene	BRL	mg/kg	0.37	0.038	1	8270C	11/29/06 6:12	keflot	Q19517
1,4-Dichlorobenzene	BRL	mg/kg	0.37	0.030	1	8270C	11/29/06 6:12	keflot	Q19517
2,4,5-Trichlorophenol	BRL	mg/kg	0.37	0.082	1	8270C	11/29/06 6:12	keflot	Q19517
2,4,6-Trichlorophenol	BRL	mg/kg	0.37	0.078	1	8270C	11/29/06 6:12	keflot	Q19517
2,4-Dichlorophenol	BRL	mg/kg	0.37	0.076	1	8270C	11/29/06 6:12	keflot	Q19517
2,4-Dimethylphenol	BRL	mg/kg	0.37	0.071	1	8270C	11/29/06 6:12	keflot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 2XCAV3-3.5  
 Prism Sample ID: 186938  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 15:25  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
2,4-Dinitrophenol	BRL	mg/kg	1.8	0.091	1	8270C	11/29/06 6:12	kelliot	Q19517
2,4-Dinitrotoluene	BRL	mg/kg	0.37	0.057	1	8270C	11/29/06 6:12	kelliot	Q19517
2,6-Dinitrotoluene	BRL	mg/kg	0.37	0.043	1	8270C	11/29/06 6:12	kelliot	Q19517
2-Chloronaphthalene	BRL	mg/kg	0.37	0.060	1	8270C	11/29/06 6:12	kelliot	Q19517
2-Chlorophenol	BRL	mg/kg	0.37	0.037	1	8270C	11/29/06 6:12	kelliot	Q19517
2-Methylnaphthalene	BRL	mg/kg	0.37	0.062	1	8270C	11/29/06 6:12	kelliot	Q19517
2-Methylphenol	BRL	mg/kg	0.37	0.059	1	8270C	11/29/06 6:12	kelliot	Q19517
2-Nitrophenol	BRL	mg/kg	0.37	0.047	1	8270C	11/29/06 6:12	kelliot	Q19517
3&4-Methylphenol	BRL	mg/kg	0.37	0.058	1	8270C	11/29/06 6:12	kelliot	Q19517
3,3'-Dichlorobenzidine	BRL	mg/kg	0.73	0.12	1	8270C	11/29/06 6:12	kelliot	Q19517
4,6-Dinitro-2-methylphenol	BRL	mg/kg	1.8	0.082	1	8270C	11/29/06 6:12	kelliot	Q19517
4-Bromophenylphenylether	BRL	mg/kg	0.37	0.061	1	8270C	11/29/06 6:12	kelliot	Q19517
4-Chloro-3-methylphenol	BRL	mg/kg	0.73	0.069	1	8270C	11/29/06 6:12	kelliot	Q19517
4-Chloroaniline	BRL	mg/kg	0.37	0.081	1	8270C	11/29/06 6:12	kelliot	Q19517
4-Chlorophenylphenylether	BRL	mg/kg	0.37	0.056	1	8270C	11/29/06 6:12	kelliot	Q19517
4-Nitrophenol	BRL	mg/kg	1.8	0.091	1	8270C	11/29/06 6:12	kelliot	Q19517
Acenaphthene	BRL	mg/kg	0.37	0.070	1	8270C	11/29/06 6:12	kelliot	Q19517
Acenaphthylene	BRL	mg/kg	0.37	0.069	1	8270C	11/29/06 6:12	kelliot	Q19517
Anthracene	BRL	mg/kg	0.37	0.044	1	8270C	11/29/06 6:12	kelliot	Q19517
Azobenzene	BRL	mg/kg	1.8	0.19	1	8270C	11/29/06 6:12	kelliot	Q19517
Benzo(a)anthracene	BRL	mg/kg	0.37	0.072	1	8270C	11/29/06 6:12	kelliot	Q19517
Benzo(a)pyrene	BRL	mg/kg	0.37	0.037	1	8270C	11/29/06 6:12	kelliot	Q19517
Benzo(b)fluoranthene	BRL	mg/kg	0.37	0.049	1	8270C	11/29/06 6:12	kelliot	Q19517
Benzo(g,h,i)perylene	BRL	mg/kg	0.37	0.084	1	8270C	11/29/06 6:12	kelliot	Q19517
Benzo(k)fluoranthene	BRL	mg/kg	0.37	0.043	1	8270C	11/29/06 6:12	kelliot	Q19517
Benzoic acid	BRL	mg/kg	1.8	0.16	1	8270C	11/29/06 6:12	kelliot	Q19517
Benzyl alcohol	BRL	mg/kg	0.73	0.060	1	8270C	11/29/06 6:12	kelliot	Q19517
Bis(2-chloroethoxy)methane	BRL	mg/kg	0.37	0.070	1	8270C	11/29/06 6:12	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shau/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 2XCAV3-3.5  
 Prism Sample ID: 186938  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 15:25  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-chloroethyl)ether	BRL	mg/kg	0.37	0.026	1	8270C	11/29/06 6:12	kelliot	Q19517
Bis(2-chloroisopropyl)ether	BRL	mg/kg	0.37	0.051	1	8270C	11/29/06 6:12	kelliot	Q19517
Bis(2-ethylhexyl)phthalate	BRL	mg/kg	0.37	0.040	1	8270C	11/29/06 6:12	kelliot	Q19517
Butylbenzylphthalate	BRL	mg/kg	0.37	0.038	1	8270C	11/29/06 6:12	kelliot	Q19517
Chrysene	BRL	mg/kg	0.37	0.069	1	8270C	11/29/06 6:12	kelliot	Q19517
Di-n-butylphthalate	BRL	mg/kg	0.37	0.050	1	8270C	11/29/06 6:12	kelliot	Q19517
Di-n-octylphthalate	BRL	mg/kg	0.37	0.063	1	8270C	11/29/06 6:12	kelliot	Q19517
Dibenzo(a,h)anthracene	BRL	mg/kg	0.37	0.087	1	8270C	11/29/06 6:12	kelliot	Q19517
Dibenzofuran	BRL	mg/kg	0.37	0.088	1	8270C	11/29/06 6:12	kelliot	Q19517
Diethylphthalate	BRL	mg/kg	0.37	0.037	1	8270C	11/29/06 6:12	kelliot	Q19517
Dimethylphthalate	BRL	mg/kg	0.37	0.050	1	8270C	11/29/06 6:12	kelliot	Q19517
Fluoranthene	BRL	mg/kg	0.37	0.044	1	8270C	11/29/06 6:12	kelliot	Q19517
Fluorene	BRL	mg/kg	0.37	0.069	1	8270C	11/29/06 6:12	kelliot	Q19517
Hexachlorobenzene	BRL	mg/kg	0.37	0.053	1	8270C	11/29/06 6:12	kelliot	Q19517
Hexachlorobutadiene	BRL	mg/kg	0.37	0.048	1	8270C	11/29/06 6:12	kelliot	Q19517
Hexachlorocyclopentadiene	BRL	mg/kg	0.37	0.084	1	8270C	11/29/06 6:12	kelliot	Q19517
Hexachloroethane	BRL	mg/kg	0.37	0.049	1	8270C	11/29/06 6:12	kelliot	Q19517
Indeno(1,2,3-cd)pyrene	BRL	mg/kg	0.37	0.093	1	8270C	11/29/06 6:12	kelliot	Q19517
Isophorone	BRL	mg/kg	0.37	0.068	1	8270C	11/29/06 6:12	kelliot	Q19517
N-Nitrosodi-n-propylamine	BRL	mg/kg	0.37	0.067	1	8270C	11/29/06 6:12	kelliot	Q19517
N-Nitrosodiphenylamine	BRL	mg/kg	0.37	0.053	1	8270C	11/29/06 6:12	kelliot	Q19517
Naphthalene	BRL	mg/kg	0.37	0.051	1	8270C	11/29/06 6:12	kelliot	Q19517
Nitrobenzene	BRL	mg/kg	0.37	0.067	1	8270C	11/29/06 6:12	kelliot	Q19517
Pentachlorophenol	BRL	mg/kg	1.8	0.048	1	8270C	11/29/06 6:12	kelliot	Q19517
Phenanthrene	BRL	mg/kg	0.37	0.041	1	8270C	11/29/06 6:12	kelliot	Q19517
Phenol	BRL	mg/kg	0.37	0.044	1	8270C	11/29/06 6:12	kelliot	Q19517
Pyrene	BRL	mg/kg	0.37	0.029	1	8270C	11/29/06 6:12	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 Client Sample ID: 2XCAV3-3.5  
 Prism Sample ID: 166938  
 COC Group: G1106572  
 Time Collected: 11/15/06 15:25  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Data/Time	Analyst	Batch ID	
Sample Preparation:				30.19 g	/	1 mL	3550B	11/28/06 7:00	dope	P16943

Surrogate	% Recovery	Control Limits
2-Fluorobiphenyl	85	21 - 108
2-Fluorophenol	67	14 - 89
Nitrobenzene-d5	78	14 - 103
Phenol-d5	66	13 - 95
Terphenyl-d14	104	41 - 136
2,4,6-Tribromophenol	98	25 - 123

**Extractable Petroleum Hydrocarbons by GC-FID**

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Data/Time	Analyst	Batch ID
C11-C22 Aromatics	BRL	mg/kg	11	11	1	MADEP EPH	11/29/06 14:17	grappacchio	Q19505
C19-C36 Aliphatics	BRL	mg/kg	11	6.8	1	MADEP EPH	11/29/06 14:17	grappacchio	Q19505
C9-C18 Aliphatics	15	mg/kg	11	9.6	1	MADEP EPH	11/29/06 14:17	grappacchio	Q19505

\* Analysis Note for C11-C22 Aromatics: Adjusted value.

Sample Preparation:				10.04 g	/	2 mL	EPH	11/21/06 10:00	dope	P16905
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Surrogate	% Recovery	Control Limits
1-Chloro-octadecane	106	40 - 140
2-Bromonaphthalene	126	40 - 140
2-Fluorobiphenyl	124	40 - 140
o-Terphenyl	91	40 - 140

**Volatile Petroleum Hydrocarbons by GC-PID/FID**

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Data/Time	Analyst	Batch ID
C5-C8 Aliphatics	BRL	mg/kg	7.8	3.9	1	MADEP VPH	11/28/06 6:19	erussell	Q19470
C9-C10 Aromatics	BRL	mg/kg	7.8	3.9	1	MADEP VPH	11/28/06 6:19	erussell	Q19470
C9-C12 Aliphatics	BRL	mg/kg	7.8	3.9	1	MADEP VPH	11/28/06 6:19	erussell	Q19470

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 2XCAV3-3.5  
 Prism Sample ID: 166938  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 COC Group: G1106572  
 Time Collected: 11/15/06 15:25  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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- \* Analysis Note for C5-C8 Aliphatics: Adjusted value.
- \* Analysis Note for C9-C12 Aliphatics: Adjusted value.

Surrogate	% Recovery	Control Limits
2,5-Dibromotoluene-FID	102	70 - 130
2,5-Dibromotoluene-PID	99	70 - 130

**Sample Weight Determination**

Weight 1	5.92	g	1	MADEP VPH	11/21/06 0:00	Ibrowm
Weight 2	6.12	g	1	MADEP VPH	11/21/06 0:00	Ibrowm

**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

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shau/El  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 2XCAY4-3.5  
 Prism Sample ID: 166939  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 COC Group: G1106572  
 Time Collected: 11/15/06 15:35  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Percent Solids Determination</b>									
Percent Solids	80.3	%			1	SM2540 G	11/20/06 15:20	athao	
<b>Sample Weight Determination</b>									
Weight Bisulfate 1	5.03	g			1	5035	11/27/06 0:00	brown	
Weight Bisulfate 2	4.68	g			1	5035	11/27/06 0:00	brown	
<b>Volatiles Organic Compounds by GC/MS</b>									
1,1,1-Trichloroethane	BRL	mg/kg	0.0062	0.00035	1	8260B	11/22/06 17:12	kcampigotto	Q19429
1,1,2,2-Tetrachloroethane	BRL	mg/kg	0.0062	0.00083	1	8260B	11/22/06 17:12	kcampigotto	Q19429
1,1,2-Trichloroethane	BRL	mg/kg	0.0062	0.00038	1	8260B	11/22/06 17:12	kcampigotto	Q19429
1,1-Dichloroethane	BRL	mg/kg	0.0062	0.00045	1	8260B	11/22/06 17:12	kcampigotto	Q19429
1,1-Dichloroethene	BRL	mg/kg	0.0062	0.00047	1	8260B	11/22/06 17:12	kcampigotto	Q19429
1,1-Dichloropropene	BRL	mg/kg	0.0062	0.00054	1	8260B	11/22/06 17:12	kcampigotto	Q19429
1,2,3-Trichlorobenzene	BRL	mg/kg	0.0062	0.00068	1	8260B	11/22/06 17:12	kcampigotto	Q19429
1,2,3-Trichloropropane	BRL	mg/kg	0.0062	0.00054	1	8260B	11/22/06 17:12	kcampigotto	Q19429
1,2,4-Trichlorobenzene	BRL	mg/kg	0.0062	0.00059	1	8260B	11/22/06 17:12	kcampigotto	Q19429
1,2,4-Trimethylbenzene	0.040	mg/kg	0.0062	0.00047	1	8260B	11/22/06 17:12	kcampigotto	Q19429
1,2-Dibromoethane (EDB)	BRL	mg/kg	0.0062	0.00011	1	8260B	11/22/06 17:12	kcampigotto	Q19429
1,2-Dichlorobenzene	BRL	mg/kg	0.0062	0.00033	1	8260B	11/22/06 17:12	kcampigotto	Q19429
1,2-Dichloroethane	BRL	mg/kg	0.0062	0.00062	1	8260B	11/22/06 17:12	kcampigotto	Q19429
1,2-Dichloropropane	BRL	mg/kg	0.0062	0.00046	1	8260B	11/22/06 17:12	kcampigotto	Q19429
1,3,5-Trimethylbenzene	0.011	mg/kg	0.0062	0.00052	1	8260B	11/22/06 17:12	kcampigotto	Q19429
1,3-Dichlorobenzene	BRL	mg/kg	0.0062	0.00053	1	8260B	11/22/06 17:12	kcampigotto	Q19429
1,3-Dichloropropane	BRL	mg/kg	0.0062	0.00042	1	8260B	11/22/06 17:12	kcampigotto	Q19429
1,4-Dichlorobenzene	BRL	mg/kg	0.0062	0.00048	1	8260B	11/22/06 17:12	kcampigotto	Q19429
2,2-Dichloropropane	BRL	mg/kg	0.0062	0.00031	1	8260B	11/22/06 17:12	kcampigotto	Q19429
2-Chlorotoluene	BRL	mg/kg	0.0062	0.00046	1	8260B	11/22/06 17:12	kcampigotto	Q19429
2-Hexanone	BRL	mg/kg	0.062	0.00064	1	8260B	11/22/06 17:12	kcampigotto	Q19429

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 Client Sample ID: 2XCAV4-3.5  
 Prism Sample ID: 166939  
 COC Group: G1106572  
 Time Collected: 11/15/06 15:35  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	mg/kg	0.0062	0.00032	1	8260B	11/22/06 17:12	kcampigotto	Q19429
4-Methyl-2-pentanone (MIBK)	BRL	mg/kg	0.062	0.00062	1	8260B	11/22/06 17:12	kcampigotto	Q19429
Acetone	BRL	mg/kg	0.062	0.0024	1	8260B	11/22/06 17:12	kcampigotto	Q19429
Benzene	BRL	mg/kg	0.0037	0.0005	1	8260B	11/22/06 17:12	kcampigotto	Q19429
Bromobenzene	BRL	mg/kg	0.0062	0.00043	1	8260B	11/22/06 17:12	kcampigotto	Q19429
Bromochloromethane	BRL	mg/kg	0.0062	0.00037	1	8260B	11/22/06 17:12	kcampigotto	Q19429
Bromodichloromethane	BRL	mg/kg	0.0062	0.00054	1	8260B	11/22/06 17:12	kcampigotto	Q19429
Bromoform	BRL	mg/kg	0.0062	0.00046	1	8260B	11/22/06 17:12	kcampigotto	Q19429
Bromomethane	BRL	mg/kg	0.012	0.00072	1	8260B	11/22/06 17:12	kcampigotto	Q19429
Carbon tetrachloride	BRL	mg/kg	0.0062	0.00036	1	8260B	11/22/06 17:12	kcampigotto	Q19429
Chlorobenzene	BRL	mg/kg	0.0062	0.00047	1	8260B	11/22/06 17:12	kcampigotto	Q19429
Chlorodibromomethane	BRL	mg/kg	0.0062	0.00042	1	8260B	11/22/06 17:12	kcampigotto	Q19429
Chloroethane	BRL	mg/kg	0.012	0.00051	1	8260B	11/22/06 17:12	kcampigotto	Q19429
Chloroform	BRL	mg/kg	0.0062	0.00046	1	8260B	11/22/06 17:12	kcampigotto	Q19429
Chloromethane	BRL	mg/kg	0.0062	0.00043	1	8260B	11/22/06 17:12	kcampigotto	Q19429
cis-1,2-Dichloroethene	BRL	mg/kg	0.0062	0.00027	1	8260B	11/22/06 17:12	kcampigotto	Q19429
cis-1,3-Dichloropropene	BRL	mg/kg	0.0062	0.0004	1	8260B	11/22/06 17:12	kcampigotto	Q19429
Dichlorodifluoromethane	BRL	mg/kg	0.0062	0.0014	1	8260B	11/22/06 17:12	kcampigotto	Q19429
Ethylbenzene	0.019	mg/kg	0.0062	0.00043	1	8260B	11/22/06 17:12	kcampigotto	Q19429
Isopropyl ether (IPE)	BRL	mg/kg	0.0062	0.00021	1	8260B	11/22/06 17:12	kcampigotto	Q19429
Isopropylbenzene	0.0041 J	mg/kg	0.0062	0.0005	1	8260B	11/22/06 17:12	kcampigotto	Q19429
m,p-Xylenes	0.025	mg/kg	0.012	0.00087	1	8260B	11/22/06 17:12	kcampigotto	Q19429
Methyl ethyl ketone (MEK)	BRL	mg/kg	0.12	0.0017	1	8260B	11/22/06 17:12	kcampigotto	Q19429
Methyl t-butyl ether (MTBE)	BRL	mg/kg	0.012	0.00036	1	8260B	11/22/06 17:12	kcampigotto	Q19429
Methylene chloride	BRL	mg/kg	0.0062	0.00051	1	8260B	11/22/06 17:12	kcampigotto	Q19429
n-Butylbenzene	0.015	mg/kg	0.0062	0.0005	1	8260B	11/22/06 17:12	kcampigotto	Q19429
n-Propylbenzene	0.014	mg/kg	0.0062	0.00037	1	8260B	11/22/06 17:12	kcampigotto	Q19429
Naphthalene	0.030	mg/kg	0.012	0.00072	1	8260B	11/22/06 17:12	kcampigotto	Q19429

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 2XCAV4-3.5  
 Prism Sample ID: 186939  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 COC Group: G1106572  
 Time Collected: 11/15/06 15:35  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
o-Xylene	0.0035 J	mg/kg	0.0062	0.00037	1	8260B	11/22/06 17:12	kcampigotto	Q19429
p-Isopropyltoluene	BRL	mg/kg	0.0062	0.00051	1	8260B	11/22/06 17:12	kcampigotto	Q19429
sec-Butylbenzene	0.0043 J	mg/kg	0.0062	0.00041	1	8260B	11/22/06 17:12	kcampigotto	Q19429
Styrene	BRL	mg/kg	0.0062	0.00062	1	8260B	11/22/06 17:12	kcampigotto	Q19429
tert-Butylbenzene	BRL	mg/kg	0.0062	0.00038	1	8260B	11/22/06 17:12	kcampigotto	Q19429
Tetrachloroethene	BRL	mg/kg	0.0062	0.0011	1	8260B	11/22/06 17:12	kcampigotto	Q19429
Toluene	BRL	mg/kg	0.0062	0.00042	1	8260B	11/22/06 17:12	kcampigotto	Q19429
trans-1,2-Dichloroethene	BRL	mg/kg	0.0062	0.00047	1	8260B	11/22/06 17:12	kcampigotto	Q19429
trans-1,3-Dichloropropene	BRL	mg/kg	0.0062	0.00043	1	8260B	11/22/06 17:12	kcampigotto	Q19429
Trichloroethene	BRL	mg/kg	0.0062	0.00037	1	8260B	11/22/06 17:12	kcampigotto	Q19429
Trichlorofluoromethane	BRL	mg/kg	0.0062	0.00051	1	8260B	11/22/06 17:12	kcampigotto	Q19429
Vinyl acetate	BRL	mg/kg	0.031	0.0022	1	8260B	11/22/06 17:12	kcampigotto	Q19429
Vinyl chloride	BRL	mg/kg	0.0062	0.00079	1	8260B	11/22/06 17:12	kcampigotto	Q19429

Surrogate	% Recovery	Control Limits
Bromofluorobenzene	98	77 - 128
Dibromofluoromethane	104	67 - 143
Toluene-d8	102	81 - 128

**Semi-volatile Organic Compounds by GC/MS**

1,2,4-Trichlorobenzene	BRL	mg/kg	0.41	0.069	1	8270C	11/29/06 7:03	kelliot	Q19517
1,2-Dichlorobenzene	BRL	mg/kg	0.41	0.057	1	8270C	11/29/06 7:03	kelliot	Q19517
1,3-Dichlorobenzene	BRL	mg/kg	0.41	0.043	1	8270C	11/29/06 7:03	kelliot	Q19517
1,4-Dichlorobenzene	BRL	mg/kg	0.41	0.034	1	8270C	11/29/06 7:03	kelliot	Q19517
2,4,5-Trichlorophenol	BRL	mg/kg	0.41	0.093	1	8270C	11/29/06 7:03	kelliot	Q19517
2,4,6-Trichlorophenol	BRL	mg/kg	0.41	0.088	1	8270C	11/29/06 7:03	kelliot	Q19517
2,4-Dichlorophenol	BRL	mg/kg	0.41	0.085	1	8270C	11/29/06 7:03	kelliot	Q19517
2,4-Dimethylphenol	BRL	mg/kg	0.41	0.080	1	8270C	11/29/06 7:03	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane SL/Alamance Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 Client Sample ID: 2XCAV4-3.5  
 Prism Sample ID: 166939  
 COC Group: G1106572  
 Time Collected: 11/15/06 15:35  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
2,4-Dinitrophenol	BRL	mg/kg	2.1	0.10	1	8270C	11/29/06 7:03	kelliot	Q19517
2,4-Dinitrotoluene	BRL	mg/kg	0.41	0.064	1	8270C	11/29/06 7:03	kelliot	Q19517
2,6-Dinitrotoluene	BRL	mg/kg	0.41	0.049	1	8270C	11/29/06 7:03	kelliot	Q19517
2-Chloronaphthalene	BRL	mg/kg	0.41	0.068	1	8270C	11/29/06 7:03	kelliot	Q19517
2-Chlorophenol	BRL	mg/kg	0.41	0.041	1	8270C	11/29/06 7:03	kelliot	Q19517
2-Methylnaphthalene	BRL	mg/kg	0.41	0.070	1	8270C	11/29/06 7:03	kelliot	Q19517
2-Methylphenol	BRL	mg/kg	0.41	0.067	1	8270C	11/29/06 7:03	kelliot	Q19517
2-Nitrophenol	BRL	mg/kg	0.41	0.053	1	8270C	11/29/06 7:03	kelliot	Q19517
3&4-Methylphenol	BRL	mg/kg	0.41	0.065	1	8270C	11/29/06 7:03	kelliot	Q19517
3,3'-Dichlorobenzidine	BRL	mg/kg	0.83	0.14	1	8270C	11/29/06 7:03	kelliot	Q19517
4,8-Dinitro-2-methylphenol	BRL	mg/kg	2.1	0.093	1	8270C	11/29/06 7:03	kelliot	Q19517
4-Bromophenylphenylether	BRL	mg/kg	0.41	0.069	1	8270C	11/29/06 7:03	kelliot	Q19517
4-Chloro-3-methylphenol	BRL	mg/kg	0.83	0.078	1	8270C	11/29/06 7:03	kelliot	Q19517
4-Chloroaniline	BRL	mg/kg	0.41	0.092	1	8270C	11/29/06 7:03	kelliot	Q19517
4-Chlorophenylphenylether	BRL	mg/kg	0.41	0.063	1	8270C	11/29/06 7:03	kelliot	Q19517
4-Nitrophenol	BRL	mg/kg	2.1	0.10	1	8270C	11/29/06 7:03	kelliot	Q19517
Acenaphthene	BRL	mg/kg	0.41	0.079	1	8270C	11/29/06 7:03	kelliot	Q19517
Acenaphthylene	BRL	mg/kg	0.41	0.078	1	8270C	11/29/06 7:03	kelliot	Q19517
Anthracene	BRL	mg/kg	0.41	0.050	1	8270C	11/29/06 7:03	kelliot	Q19517
Azobenzene	BRL	mg/kg	2.1	0.21	1	8270C	11/29/06 7:03	kelliot	Q19517
Benzo(a)anthracene	BRL	mg/kg	0.41	0.082	1	8270C	11/29/06 7:03	kelliot	Q19517
Benzo(a)pyrene	BRL	mg/kg	0.41	0.041	1	8270C	11/29/06 7:03	kelliot	Q19517
Benzo(b)fluoranthene	BRL	mg/kg	0.41	0.055	1	8270C	11/29/06 7:03	kelliot	Q19517
Benzo(g,h,i)perylene	BRL	mg/kg	0.41	0.095	1	8270C	11/29/06 7:03	kelliot	Q19517
Benzo(k)fluoranthene	BRL	mg/kg	0.41	0.049	1	8270C	11/29/06 7:03	kelliot	Q19517
Benzoic acid	BRL	mg/kg	2.1	0.18	1	8270C	11/29/06 7:03	kelliot	Q19517
Benzyl alcohol	BRL	mg/kg	0.83	0.068	1	8270C	11/29/06 7:03	kelliot	Q19517
Bis(2-chloroethoxy)methane	BRL	mg/kg	0.41	0.079	1	8270C	11/29/06 7:03	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St/Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 2XCAV4-3.5  
 Prism Sample ID: 166939  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 COC Group: G1106572  
 Time Collected: 11/15/06 15:35  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-chloroethyl)ether	BRL	mg/kg	0.41	0.029	1	8270C	11/29/06 7:03	kelliot	Q19517
Bis(2-chloroisopropyl)ether	BRL	mg/kg	0.41	0.058	1	8270C	11/29/06 7:03	kelliot	Q19517
Bis(2-ethylhexyl)phthalate	BRL	mg/kg	0.41	0.045	1	8270C	11/29/06 7:03	kelliot	Q19517
Butylbenzylphthalate	BRL	mg/kg	0.41	0.043	1	8270C	11/29/06 7:03	kelliot	Q19517
Chrysene	BRL	mg/kg	0.41	0.078	1	8270C	11/29/06 7:03	kelliot	Q19517
Di-n-butylphthalate	BRL	mg/kg	0.41	0.057	1	8270C	11/29/06 7:03	kelliot	Q19517
Di-n-octylphthalate	BRL	mg/kg	0.41	0.072	1	8270C	11/29/06 7:03	kelliot	Q19517
Dibenzo(a,h)anthracene	BRL	mg/kg	0.41	0.098	1	8270C	11/29/06 7:03	kelliot	Q19517
Dibenzofuran	BRL	mg/kg	0.41	0.077	1	8270C	11/29/06 7:03	kelliot	Q19517
Diethylphthalate	BRL	mg/kg	0.41	0.041	1	8270C	11/29/06 7:03	kelliot	Q19517
Dimethylphthalate	BRL	mg/kg	0.41	0.057	1	8270C	11/29/06 7:03	kelliot	Q19517
Fluorene	BRL	mg/kg	0.41	0.050	1	8270C	11/29/06 7:03	kelliot	Q19517
Fluorene	BRL	mg/kg	0.41	0.078	1	8270C	11/29/06 7:03	kelliot	Q19517
Hexachlorobenzene	BRL	mg/kg	0.41	0.060	1	8270C	11/29/06 7:03	kelliot	Q19517
Hexachlorobutadiene	BRL	mg/kg	0.41	0.054	1	8270C	11/29/06 7:03	kelliot	Q19517
Hexachlorocyclopentadiene	BRL	mg/kg	0.41	0.095	1	8270C	11/29/06 7:03	kelliot	Q19517
Hexachloroethane	BRL	mg/kg	0.41	0.055	1	8270C	11/29/06 7:03	kelliot	Q19517
Indeno(1,2,3-cd)pyrene	BRL	mg/kg	0.41	0.11	1	8270C	11/29/06 7:03	kelliot	Q19517
Isophorone	BRL	mg/kg	0.41	0.077	1	8270C	11/29/06 7:03	kelliot	Q19517
N-Nitrosodi-n-propylamine	BRL	mg/kg	0.41	0.075	1	8270C	11/29/06 7:03	kelliot	Q19517
N-Nitrosoquinylamine	BRL	mg/kg	0.41	0.060	1	8270C	11/29/06 7:03	kelliot	Q19517
Naphthalene	BRL	mg/kg	0.41	0.058	1	8270C	11/29/06 7:03	kelliot	Q19517
Nitrobenzene	BRL	mg/kg	0.41	0.075	1	8270C	11/29/06 7:03	kelliot	Q19517
Pentachlorophenol	BRL	mg/kg	2.1	0.054	1	8270C	11/29/06 7:03	kelliot	Q19517
Phenanthrene	BRL	mg/kg	0.41	0.046	1	8270C	11/29/06 7:03	kelliot	Q19517
Phenol	BRL	mg/kg	0.41	0.050	1	8270C	11/29/06 7:03	kelliot	Q19517
Pyrene	BRL	mg/kg	0.41	0.033	1	8270C	11/29/06 7:03	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaul/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St/Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 2XCAV4-3.5  
 Prism Sample ID: 166939  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 15:35  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Sample Preparation: 29.74 g / 1 mL 35508 11/28/06 7:00 dpope P16943

Surrogate	% Recovery	Control Limits
2,4,6-Tribromophenol	92	25 - 123
2-Fluorobiphenyl	72	21 - 108
2-Fluorophenol	65	14 - 89
Nitrobenzene-d5	73	14 - 103
Phenol-d5	64	13 - 95
Terphenyl-d14	113	41 - 136

Extractable Petroleum Hydrocarbons by GC-FID

C11-C22 Aromatics	BRL	mg/kg	12	12	1	MADEP EPH	11/29/06 16:00	grappaccioli	Q19505
C19-C36 Aliphatics	BRL	mg/kg	12	7.4	1	MADEP EPH	11/29/06 16:00	grappaccioli	Q19505
C9-C18 Aliphatics	BRL	mg/kg	12	10	1	MADEP EPH	11/29/06 16:00	grappaccioli	Q19505

\* Analysis Note for C11-C22 Aromatics: Adjusted value.

Sample Preparation: 10.21 g / 2 mL EPH 11/21/06 10:00 dpope P16905

Surrogate	% Recovery	Control Limits
1-Chloro-octadecane	97	40 - 140
2-Bromonaphthalene	121	40 - 140
2-Fluorobiphenyl	101	40 - 140
o-Terphenyl	86	40 - 140

Volatile Petroleum Hydrocarbons by GC-PID/FID

C5-C8 Aliphatics	BRL	mg/kg	8.7	4.4	1	MADEP VPH	11/28/06 7:12	erussell	Q19470
C9-C10 Aromatics	BRL	mg/kg	8.7	4.4	1	MADEP VPH	11/28/06 7:12	erussell	Q19470
C9-C12 Aliphatics	BRL	mg/kg	8.7	4.4	1	MADEP VPH	11/28/06 7:12	erussell	Q19470

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shau/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 2XCAV4-3.5  
 Prism Sample ID: 166939  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 15:35  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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- \* Analysis Note for C5-C8 Aliphatics: Adjusted value.
- \* Analysis Note for C9-C12 Aliphatics: Adjusted value.

Surrogate	% Recovery	Control Limits
2,5-Dibromotoluene-FID	101	70 - 130
2,5-Dibromotoluene-PID	97	70 - 130

### Sample Weight Determination

Weight 1	5.97	g	1	MADEP VPH	11/21/06 0:00	lbrown
Weight 2	5.74	g	1	MADEP VPH	11/21/06 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  
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# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shau/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance  
 Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-  
 Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil

Client Sample ID: 2XCAV5-3.5  
 Prism Sample ID: 166940  
 COC Group: G1106572  
 Time Collected: 11/15/06 15:55  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Percent Solids Determination</b>									
Percent Solids	87.5	%			1	SM2540 G	11/20/06 15:20	atheo	
<b>Sample Weight Determination</b>									
Weight Bisulfate 1	5.76	g			1	5035	11/27/06 0:00	lbrown	
Weight Bisulfate 2	5.90	g			1	5035	11/27/06 0:00	lbrown	
<b>Volatile Organic Compounds by GC/MS</b>									
1,1,1-Trichloroethane	BRL	mg/kg	0.0050	0.00028	1	8260B	11/22/06 21:31	kcampigotto	Q19429
1,1,2,2-Tetrachloroethane	BRL	mg/kg	0.0050	0.00051	1	8260B	11/22/06 21:31	kcampigotto	Q19429
1,1,2-Trichloroethane	BRL	mg/kg	0.0050	0.00031	1	8260B	11/22/06 21:31	kcampigotto	Q19429
1,1-Dichloroethane	BRL	mg/kg	0.0050	0.00036	1	8260B	11/22/06 21:31	kcampigotto	Q19429
1,1-Dichloroethene	BRL	mg/kg	0.0050	0.00038	1	8260B	11/22/06 21:31	kcampigotto	Q19429
1,1-Dichloropropene	BRL	mg/kg	0.0050	0.00044	1	8260B	11/22/06 21:31	kcampigotto	Q19429
1,2,3-Trichlorobenzene	BRL	mg/kg	0.0050	0.00055	1	8260B	11/22/06 21:31	kcampigotto	Q19429
1,2,3-Trichloropropane	0.015	mg/kg	0.0050	0.00044	1	8260B	11/22/06 21:31	kcampigotto	Q19429
1,2,4-Trichlorobenzene	BRL	mg/kg	0.0050	0.00048	1	8260B	11/22/06 21:31	kcampigotto	Q19429
1,2,4-Trimethylbenzene	6.8	mg/kg	0.49	0.038	100	8260B	11/28/06 3:05	kcampigotto	Q19429
1,2-Dibromoethane (EDB)	BRL	mg/kg	0.0050	0.000089	1	8280B	11/22/06 21:31	kcampigotto	Q19429
1,2-Dichlorobenzene	BRL	mg/kg	0.0050	0.00027	1	8260B	11/22/06 21:31	kcampigotto	Q19429
1,2-Dichloroethane	BRL	mg/kg	0.0050	0.0005	1	8260B	11/22/06 21:31	kcampigotto	Q19429
1,2-Dichloropropane	BRL	mg/kg	0.0050	0.00037	1	8260B	11/22/06 21:31	kcampigotto	Q19429
1,3,5-Trimethylbenzene	1.5	mg/kg	0.49	0.042	100	8260B	11/28/06 3:05	kcampigotto	Q19429
1,3-Dichlorobenzene	BRL	mg/kg	0.0050	0.00043	1	8260B	11/22/06 21:31	kcampigotto	Q19429
1,3-Dichloropropane	BRL	mg/kg	0.0050	0.00034	1	8260B	11/22/06 21:31	kcampigotto	Q19429
1,4-Dichlorobenzene	BRL	mg/kg	0.0050	0.00039	1	8260B	11/22/06 21:31	kcampigotto	Q19429
2,2-Dichloropropane	BRL	mg/kg	0.0050	0.00025	1	8260B	11/22/06 21:31	kcampigotto	Q19429
2-Chlorotoluene	BRL	mg/kg	0.0050	0.00037	1	8260B	11/22/06 21:31	kcampigotto	Q19429
2-Hexanone	BRL	mg/kg	0.050	0.00052	1	8260B	11/22/06 21:31	kcampigotto	Q19429

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance  
 Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-  
 Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil

Client Sample ID: 2XCAV5-3.5  
 Prism Sample ID: 166940  
 COC Group: G1106572  
 Time Collected: 11/15/06 15:55  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	mg/kg	0.0050	0.00026	1	8260B	11/22/06 21:31	kcampigotto	Q19429
4-Methyl-2-pentanone (MIBK)	BRL	mg/kg	0.050	0.0005	1	8260B	11/22/06 21:31	kcampigotto	Q19429
Acetone	BRL	mg/kg	0.050	0.0019	1	8260B	11/22/06 21:31	kcampigotto	Q19429
Benzene	BRL	mg/kg	0.0030	0.0004	1	8260B	11/22/06 21:31	kcampigotto	Q19429
Bromobenzene	BRL	mg/kg	0.0050	0.00035	1	8260B	11/22/06 21:31	kcampigotto	Q19429
Bromochloromethane	BRL	mg/kg	0.0050	0.0003	1	8260B	11/22/06 21:31	kcampigotto	Q19429
Bromodichloromethane	BRL	mg/kg	0.0050	0.00044	1	8260B	11/22/06 21:31	kcampigotto	Q19429
Bromoform	BRL	mg/kg	0.0050	0.00037	1	8260B	11/22/06 21:31	kcampigotto	Q19429
Bromomethane	BRL	mg/kg	0.0099	0.00058	1	8260B	11/22/06 21:31	kcampigotto	Q19429
Carbon tetrachloride	BRL	mg/kg	0.0050	0.00029	1	8260B	11/22/06 21:31	kcampigotto	Q19429
Chlorobenzene	BRL	mg/kg	0.0050	0.00038	1	8260B	11/22/06 21:31	kcampigotto	Q19429
Chlorodibromomethane	BRL	mg/kg	0.0050	0.00034	1	8260B	11/22/06 21:31	kcampigotto	Q19429
Chloroethane	BRL	mg/kg	0.0099	0.00041	1	8260B	11/22/06 21:31	kcampigotto	Q19429
Chloroform	BRL	mg/kg	0.0050	0.00037	1	8260B	11/22/06 21:31	kcampigotto	Q19429
Chloromethane	BRL	mg/kg	0.0050	0.00035	1	8260B	11/22/06 21:31	kcampigotto	Q19429
cis-1,2-Dichloroethene	BRL	mg/kg	0.0050	0.00022	1	8260B	11/22/06 21:31	kcampigotto	Q19429
cis-1,3-Dichloropropene	BRL	mg/kg	0.0050	0.00032	1	8260B	11/22/06 21:31	kcampigotto	Q19429
Dichlorodifluoromethane	BRL	mg/kg	0.0050	0.0011	1	8260B	11/22/06 21:31	kcampigotto	Q19429
Ethylbenzene	0.45	mg/kg	0.40	0.035	100	8260B	11/28/06 3:05	kcampigotto	Q19429
Isopropyl ether (IPE)	BRL	mg/kg	0.0050	0.00017	1	8260B	11/22/06 21:31	kcampigotto	Q19429
Isopropylbenzene	0.16	mg/kg	0.0050	0.0004	1	8260B	11/22/06 21:31	kcampigotto	Q19429
m,p-Xylenes	0.98	mg/kg	0.80	0.069	100	8260B	11/28/06 3:05	kcampigotto	Q19429
Methyl ethyl ketone (MEK)	BRL	mg/kg	0.099	0.0014	1	8260B	11/22/06 21:31	kcampigotto	Q19429
Methyl t-butyl ether (MTBE)	BRL	mg/kg	0.0099	0.00029	1	8260B	11/22/06 21:31	kcampigotto	Q19429
Methylene chloride	BRL	mg/kg	0.0050	0.00041	1	8260B	11/22/06 21:31	kcampigotto	Q19429
n-Butylbenzene	0.78	mg/kg	0.49	0.040	100	8260B	11/28/06 3:05	kcampigotto	Q19429
n-Propylbenzene	0.95	mg/kg	0.49	0.030	100	8260B	11/28/06 3:05	kcampigotto	Q19429
Naphthalene	2.8	mg/kg	0.99	0.057	100	8260B	11/28/06 3:05	kcampigotto	Q19429

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St/Alamance  
 Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-  
 Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil

Client Sample ID: 2XCAV5-3.5  
 Prism Sample ID: 166940  
 COC Group: G1106572  
 Time Collected: 11/15/06 15:55  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
o-Xylene	0.16	mg/kg	0.0050	0.0003	1	8260B	11/22/06 21:31	kcampigotto	Q19429
p-Isopropyltoluene	0.096	mg/kg	0.0050	0.00041	1	8260B	11/22/06 21:31	kcampigotto	Q19429
sec-Butylbenzene	0.16	mg/kg	0.0050	0.00033	1	8260B	11/22/06 21:31	kcampigotto	Q19429
Styrene	BRL	mg/kg	0.0050	0.0005	1	8260B	11/22/06 21:31	kcampigotto	Q19429
tert-Butylbenzene	BRL	mg/kg	0.0050	0.00031	1	8260B	11/22/06 21:31	kcampigotto	Q19429
Tetrachloroethene	BRL	mg/kg	0.0050	0.00085	1	8260B	11/22/06 21:31	kcampigotto	Q19429
Toluene	BRL	mg/kg	0.0050	0.00034	1	8260B	11/22/06 21:31	kcampigotto	Q19429
trans-1,2-Dichloroethene	BRL	mg/kg	0.0050	0.00038	1	8260B	11/22/06 21:31	kcampigotto	Q19429
trans-1,3-Dichloropropene	BRL	mg/kg	0.0050	0.00035	1	8260B	11/22/06 21:31	kcampigotto	Q19429
Trichloroethene	BRL	mg/kg	0.0050	0.0003	1	8260B	11/22/06 21:31	kcampigotto	Q19429
Trichlorofluoromethane	BRL	mg/kg	0.0050	0.00041	1	8260B	11/22/06 21:31	kcampigotto	Q19429
Vinyl acetate	BRL	mg/kg	0.025	0.0018	1	8260B	11/22/06 21:31	kcampigotto	Q19429
Vinyl chloride	BRL	mg/kg	0.0050	0.00063	1	8260B	11/22/06 21:31	kcampigotto	Q19429

Surrogate	% Recovery	Control Limits
Toluene-d8	108	81 - 128
Dibromofluoromethane	100	67 - 143
Bromofluorobenzene	110	77 - 128

### Semi-volatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	BRL	mg/kg	0.38	0.064	1	8270C	11/29/06 7:54	kefflot	Q19517
1,2-Dichlorobenzene	BRL	mg/kg	0.38	0.052	1	8270C	11/29/06 7:54	kefflot	Q19517
1,3-Dichlorobenzene	BRL	mg/kg	0.38	0.039	1	8270C	11/29/06 7:54	kefflot	Q19517
1,4-Dichlorobenzene	BRL	mg/kg	0.38	0.031	1	8270C	11/29/06 7:54	kefflot	Q19517
2,4,5-Trichlorophenol	BRL	mg/kg	0.38	0.086	1	8270C	11/29/06 7:54	kefflot	Q19517
2,4,6-Trichlorophenol	BRL	mg/kg	0.38	0.081	1	8270C	11/29/06 7:54	kefflot	Q19517
2,4-Dichlorophenol	BRL	mg/kg	0.38	0.079	1	8270C	11/29/06 7:54	kefflot	Q19517
2,4-Dimethylphenol	BRL	mg/kg	0.38	0.074	1	8270C	11/29/06 7:54	kefflot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance  
 Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-  
 Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil

Client Sample ID: 2XCAV5-3.5  
 Prism Sample ID: 166940  
 COC Group: G1106572  
 Time Collected: 11/15/06 15:55  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
2,4-Dinitrophenol	BRL	mg/kg	1.9	0.095	1	8270C	11/29/06 7:54	kelliot	Q19517
2,4-Dinitrotoluene	BRL	mg/kg	0.38	0.059	1	8270C	11/29/06 7:54	kelliot	Q19517
2,6-Dinitrotoluene	BRL	mg/kg	0.38	0.045	1	8270C	11/29/06 7:54	kelliot	Q19517
2-Chloronaphthalene	BRL	mg/kg	0.38	0.062	1	8270C	11/29/06 7:54	kelliot	Q19517
2-Chlorophenol	BRL	mg/kg	0.38	0.038	1	8270C	11/29/06 7:54	kelliot	Q19517
2-Methylnaphthalene	BRL	mg/kg	0.38	0.065	1	8270C	11/29/06 7:54	kelliot	Q19517
2-Methylphenol	BRL	mg/kg	0.38	0.081	1	8270C	11/29/06 7:54	kelliot	Q19517
2-Nitrophenol	BRL	mg/kg	0.38	0.049	1	8270C	11/29/06 7:54	kelliot	Q19517
3,4-Methylphenol	BRL	mg/kg	0.38	0.060	1	8270C	11/29/06 7:54	kelliot	Q19517
3,3'-Dichlorobenzidine	BRL	mg/kg	0.76	0.13	1	8270C	11/29/06 7:54	kelliot	Q19517
4,6-Dinitro-2-methylphenol	BRL	mg/kg	1.9	0.086	1	8270C	11/29/06 7:54	kelliot	Q19517
4-Bromophenylphenylether	BRL	mg/kg	0.38	0.064	1	8270C	11/29/06 7:54	kelliot	Q19517
4-Chloro-3-methylphenol	BRL	mg/kg	0.76	0.072	1	8270C	11/29/06 7:54	kelliot	Q19517
4-Chloroaniline	BRL	mg/kg	0.38	0.084	1	8270C	11/29/06 7:54	kelliot	Q19517
4-Chlorophenylphenylether	BRL	mg/kg	0.38	0.058	1	8270C	11/29/06 7:54	kelliot	Q19517
4-Nitrophenol	BRL	mg/kg	1.9	0.095	1	8270C	11/29/06 7:54	kelliot	Q19517
Acenaphthene	BRL	mg/kg	0.38	0.073	1	8270C	11/29/06 7:54	kelliot	Q19517
Acenaphthylene	BRL	mg/kg	0.38	0.072	1	8270C	11/29/06 7:54	kelliot	Q19517
Anthracene	BRL	mg/kg	0.38	0.046	1	8270C	11/29/06 7:54	kelliot	Q19517
Azobenzene	BRL	mg/kg	1.9	0.20	1	8270C	11/29/06 7:54	kelliot	Q19517
Benzo(a)anthracene	BRL	mg/kg	0.38	0.075	1	8270C	11/29/06 7:54	kelliot	Q19517
Benzo(a)pyrene	BRL	mg/kg	0.38	0.038	1	8270C	11/29/06 7:54	kelliot	Q19517
Benzo(b)fluoranthene	BRL	mg/kg	0.38	0.051	1	8270C	11/29/06 7:54	kelliot	Q19517
Benzo(g,h,i)perylene	BRL	mg/kg	0.38	0.088	1	8270C	11/29/06 7:54	kelliot	Q19517
Benzo(k)fluoranthene	BRL	mg/kg	0.38	0.045	1	8270C	11/29/06 7:54	kelliot	Q19517
Benzoic acid	BRL	mg/kg	1.9	0.16	1	8270C	11/29/06 7:54	kelliot	Q19517
Benzyl alcohol	BRL	mg/kg	0.76	0.062	1	8270C	11/29/06 7:54	kelliot	Q19517
Bis(2-chloroethoxy)methane	BRL	mg/kg	0.38	0.073	1	8270C	11/29/06 7:54	kelliot	Q19517

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# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaul/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St/Alamance  
 Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-  
 Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil

Client Sample ID: 2XCAV5-3.5  
 Prism Sample ID: 166940  
 COC Group: G1106572  
 Time Collected: 11/15/06 15:55  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-chloroethyl)ether	BRL	mg/kg	0.38	0.027	1	8270C	11/29/06 7:54	kelliot	Q19517
Bis(2-chloroisopropyl)ether	BRL	mg/kg	0.38	0.053	1	8270C	11/29/06 7:54	kelliot	Q19517
Bis(2-ethylhexyl)phthalate	BRL	mg/kg	0.38	0.042	1	8270C	11/29/06 7:54	kelliot	Q19517
Butylbenzylphthalate	BRL	mg/kg	0.38	0.039	1	8270C	11/29/06 7:54	kelliot	Q19517
Chrysene	BRL	mg/kg	0.38	0.072	1	8270C	11/29/06 7:54	kelliot	Q19517
Di-n-butylphthalate	BRL	mg/kg	0.38	0.052	1	8270C	11/29/06 7:54	kelliot	Q19517
Di-n-octylphthalate	BRL	mg/kg	0.38	0.066	1	8270C	11/29/06 7:54	kelliot	Q19517
Dibenzo(a,h)anthracene	BRL	mg/kg	0.38	0.090	1	8270C	11/29/06 7:54	kelliot	Q19517
Dibenzofuran	BRL	mg/kg	0.38	0.070	1	8270C	11/29/06 7:54	kelliot	Q19517
Diethylphthalate	BRL	mg/kg	0.38	0.038	1	8270C	11/29/06 7:54	kelliot	Q19517
Dimethylphthalate	BRL	mg/kg	0.38	0.052	1	8270C	11/29/06 7:54	kelliot	Q19517
Fluoranthene	BRL	mg/kg	0.38	0.046	1	8270C	11/29/06 7:54	kelliot	Q19517
Fluorene	BRL	mg/kg	0.38	0.072	1	8270C	11/29/06 7:54	kelliot	Q19517
Hexachlorobenzene	BRL	mg/kg	0.38	0.055	1	8270C	11/29/06 7:54	kelliot	Q19517
Hexachlorobutadiene	BRL	mg/kg	0.38	0.050	1	8270C	11/29/06 7:54	kelliot	Q19517
Hexachlorocyclopentadiene	BRL	mg/kg	0.38	0.088	1	8270C	11/29/06 7:54	kelliot	Q19517
Hexachloroethane	BRL	mg/kg	0.38	0.051	1	8270C	11/29/06 7:54	kelliot	Q19517
Indeno(1,2,3-cd)pyrene	BRL	mg/kg	0.38	0.097	1	8270C	11/29/06 7:54	kelliot	Q19517
Isophorone	BRL	mg/kg	0.38	0.070	1	8270C	11/29/06 7:54	kelliot	Q19517
N-Nitrosodi-n-propylamine	BRL	mg/kg	0.38	0.069	1	8270C	11/29/06 7:54	kelliot	Q19517
N-Nitrosodiphenylamine	BRL	mg/kg	0.38	0.055	1	8270C	11/29/06 7:54	kelliot	Q19517
Naphthalene	BRL	mg/kg	0.38	0.053	1	8270C	11/29/06 7:54	kelliot	Q19517
Nitrobenzene	BRL	mg/kg	0.38	0.069	1	8270C	11/29/06 7:54	kelliot	Q19517
Pentachlorophenol	BRL	mg/kg	1.9	0.050	1	8270C	11/29/06 7:54	kelliot	Q19517
Phenanthrene	BRL	mg/kg	0.38	0.043	1	8270C	11/29/06 7:54	kelliot	Q19517
Phenol	BRL	mg/kg	0.38	0.046	1	8270C	11/29/06 7:54	kelliot	Q19517
Pyrene	BRL	mg/kg	0.38	0.030	1	8270C	11/29/06 7:54	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil

Client Sample ID: 2XCAV5-3.5  
 Prism Sample ID: 166940  
 COC Group: G1108572  
 Time Collected: 11/15/06 15:55  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Sample Preparation:			29.67 g /		1 mL	3550B	11/28/06 7:00	dpope	P16943

Surrogate	% Recovery	Control Limits
Terphenyl-d14	114	41 - 136
Phenol-d5	52	13 - 95
Nitrobenzene-d5	65	14 - 103
2-Fluorophenol	54	14 - 89
2-Fluorobiphenyl	63	21 - 108
2,4,6-Tribromophenol	87	25 - 123

**Extractable Petroleum Hydrocarbons by GC-FID**

C11-C22 Aromatics	BRL	mg/kg	11	11	1	MADEP EPH	11/29/06 17:48	grappaccolli	Q19505
C19-C36 Aliphatics	BRL	mg/kg	11	6.9	1	MADEP EPH	11/29/06 17:48	grappaccolli	Q19505
C9-C18 Aliphatics	BRL	mg/kg	11	9.7	1	MADEP EPH	11/29/06 17:48	grappaccolli	Q19505

\* Analysis Note for C11-C22 Aromatics: Adjusted value.

Sample Preparation:			10.09 g /		2 mL	EPH	11/21/06 10:00	dpope	P16905
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Surrogate	% Recovery	Control Limits
o-Terphenyl	91	40 - 140
2-Fluorobiphenyl	99	40 - 140
2-Bromonaphthalene	78	40 - 140
1-Chloro-octadecane	113	40 - 140

**Volatile Petroleum Hydrocarbons by GC-PID/FID**

C5-C8 Aliphatics	BRL	mg/kg	8.0	4.0	1	MADEP VPH	12/05/06 13:18	erussell	Q19470
C9-C10 Aromatics	6.3 J	mg/kg	8.0	4.0	1	MADEP VPH	12/05/06 13:18	erussell	Q19470
C8-C12 Aliphatics	16	mg/kg	8.0	4.0	1	MADEP VPH	12/05/06 13:18	erussell	Q19470

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance  
 Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-  
 Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil

Client Sample ID: 2XCAV5-3.5  
 Prism Sample ID: 166940  
 COC Group: G1106572  
 Time Collected: 11/15/06 15:55  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
* Analysis Note for C5-C8 Aliphatics: Adjusted value.									
* Analysis Note for C9-C12 Aliphatics: Adjusted value.									

Surrogate	% Recovery	Control Limits
2,5-Dibromotoluene-PID	94	70 - 130
2,5-Dibromotoluene-FID	100	70 - 130

### Sample Weight Determination

Weight 1	5.56	g	1	MADEP VPH	11/21/06 0:00	lbrown
Weight 2	5.52	g	1	MADEP VPH	11/21/06 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

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane SL/Alamance Client Sample ID: 2XCAV6-3.5  
 Rd. Burlington, NC 27215 Prism Sample ID: 166941  
 Project ID: DOT-Alamance-Burlington COC Group: G1106572  
 Project No.: WBS# 34911.1.1 Time Collected: 11/15/06 16:00  
 Sample Matrix: Soil Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Percent Solids Determination</b>									
Percent Solids	82.1	%			1	SM2540 G	11/20/06 15:20	athao	
<b>Sample Weight Determination</b>									
Weight Bisulfate 1	6.70	g			1	5035	11/27/06 0:00	ibrown	
Weight Bisulfate 2	6.31	g			1	5035	11/27/06 0:00	ibrown	
<b>Volatle Organic Compounds by GC/MS</b>									
1,1,1-Trichloroethane	BRL	mg/kg	0.0048	0.00027	1	8260B	11/28/06 16:07	kcampigotto	Q19429
1,1,2,2-Tetrachloroethane	BRL	mg/kg	0.0048	0.00049	1	8260B	11/28/06 16:07	kcampigotto	Q19429
1,1,2-Trichloroethane	BRL	mg/kg	0.0048	0.0003	1	8260B	11/28/06 16:07	kcampigotto	Q19429
1,1-Dichloroethane	BRL	mg/kg	0.0048	0.00035	1	8260B	11/28/06 16:07	kcampigotto	Q19429
1,1-Dichloroethene	BRL	mg/kg	0.0048	0.00037	1	8260B	11/28/06 16:07	kcampigotto	Q19429
1,1-Dichloropropane	BRL	mg/kg	0.0048	0.00042	1	8260B	11/28/06 16:07	kcampigotto	Q19429
1,2,3-Trichlorobenzene	BRL	mg/kg	0.0048	0.00053	1	8260B	11/28/06 16:07	kcampigotto	Q19429
1,2,3-Trichloropropane	BRL	mg/kg	0.0048	0.00042	1	8260B	11/28/06 16:07	kcampigotto	Q19429
1,2,4-Trichlorobenzene	BRL	mg/kg	0.0048	0.00046	1	8260B	11/28/06 16:07	kcampigotto	Q19429
1,2,4-Trimethylbenzene	0.016	mg/kg	0.0048	0.00037	1	8260B	11/28/06 16:07	kcampigotto	Q19429
1,2-Dibromoethane (EDB)	BRL	mg/kg	0.0048	0.000087	1	8260B	11/28/06 16:07	kcampigotto	Q19429
1,2-Dichlorobenzene	BRL	mg/kg	0.0048	0.00026	1	8260B	11/28/06 16:07	kcampigotto	Q19429
1,2-Dichloroethane	BRL	mg/kg	0.0048	0.00048	1	8260B	11/28/06 16:07	kcampigotto	Q19429
1,2-Dichloropropane	BRL	mg/kg	0.0048	0.00036	1	8260B	11/28/06 16:07	kcampigotto	Q19429
1,3,5-Trimethylbenzene	0.0041 J	mg/kg	0.0048	0.00041	1	8260B	11/28/06 16:07	kcampigotto	Q19429
1,3-Dichlorobenzene	BRL	mg/kg	0.0048	0.00042	1	8260B	11/28/06 16:07	kcampigotto	Q19429
1,3-Dichloropropane	BRL	mg/kg	0.0048	0.00033	1	8260B	11/28/06 16:07	kcampigotto	Q19429
1,4-Dichlorobenzene	BRL	mg/kg	0.0048	0.00038	1	8260B	11/28/06 16:07	kcampigotto	Q19429
2,2-Dichloropropane	BRL	mg/kg	0.0048	0.00024	1	8260B	11/28/06 16:07	kcampigotto	Q19429
2-Chlorotoluene	BRL	mg/kg	0.0048	0.00036	1	8260B	11/28/06 16:07	kcampigotto	Q19429
2-Hexanone	BRL	mg/kg	0.048	0.0005	1	8260B	11/28/06 16:07	kcampigotto	Q19429

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 Client Sample ID: 2XCAV6-3.5  
 Prism Sample ID: 166941  
 COC Group: G1106572  
 Time Collected: 11/15/06 16:00  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	mg/kg	0.0048	0.00025	1	8260B	11/28/06 16:07	kcampigotto	Q19429
4-Methyl-2-pentanone (MIBK)	BRL	mg/kg	0.048	0.00048	1	8260B	11/28/06 16:07	kcampigotto	Q19429
Acetone	BRL	mg/kg	0.048	0.0019	1	8260B	11/28/06 16:07	kcampigotto	Q19429
Benzene	BRL	mg/kg	0.0029	0.00039	1	8260B	11/28/06 16:07	kcampigotto	Q19429
Bromobenzene	BRL	mg/kg	0.0048	0.00034	1	8260B	11/28/06 16:07	kcampigotto	Q19429
Bromochloromethane	BRL	mg/kg	0.0048	0.00029	1	8260B	11/28/06 16:07	kcampigotto	Q19429
Bromodichloromethane	BRL	mg/kg	0.0048	0.00042	1	8260B	11/28/06 16:07	kcampigotto	Q19429
Bromoform	BRL	mg/kg	0.0048	0.00036	1	8260B	11/28/06 16:07	kcampigotto	Q19429
Bromomethane	BRL	mg/kg	0.0097	0.00058	1	8260B	11/28/06 16:07	kcampigotto	Q19429
Carbon tetrachloride	BRL	mg/kg	0.0048	0.00028	1	8260B	11/28/06 16:07	kcampigotto	Q19429
Chlorobenzene	BRL	mg/kg	0.0048	0.00037	1	8260B	11/28/06 16:07	kcampigotto	Q19429
Chlorodibromomethane	BRL	mg/kg	0.0048	0.00033	1	8260B	11/28/06 16:07	kcampigotto	Q19429
Chloroethane	BRL	mg/kg	0.0097	0.0004	1	8260B	11/28/06 16:07	kcampigotto	Q19429
Chloroform	BRL	mg/kg	0.0048	0.00036	1	8260B	11/28/06 16:07	kcampigotto	Q19429
Chloromethane	BRL	mg/kg	0.0048	0.00034	1	8260B	11/28/06 16:07	kcampigotto	Q19429
cis-1,2-Dichloroethene	BRL	mg/kg	0.0048	0.00021	1	8260B	11/28/06 16:07	kcampigotto	Q19429
cis-1,3-Dichloropropene	BRL	mg/kg	0.0048	0.00031	1	8260B	11/28/06 16:07	kcampigotto	Q19429
Dichlorodifluoromethane	BRL	mg/kg	0.0048	0.0011	1	8260B	11/28/06 16:07	kcampigotto	Q19429
Ethylbenzene	BRL	mg/kg	0.0048	0.00034	1	8260B	11/28/06 16:07	kcampigotto	Q19429
Isopropyl ether (IPE)	BRL	mg/kg	0.0048	0.00018	1	8260B	11/28/06 16:07	kcampigotto	Q19429
Isopropylbenzene	BRL	mg/kg	0.0048	0.00039	1	8260B	11/28/06 16:07	kcampigotto	Q19429
m,p-Xylenes	0.0048 J	mg/kg	0.0097	0.00068	1	8260B	11/28/06 16:07	kcampigotto	Q19429
Methyl ethyl ketone (MEK)	BRL	mg/kg	0.097	0.0014	1	8260B	11/28/06 16:07	kcampigotto	Q19429
Methyl t-butyl ether (MTBE)	BRL	mg/kg	0.0097	0.00028	1	8260B	11/28/06 16:07	kcampigotto	Q19429
Methylene chloride	BRL	mg/kg	0.0048	0.0004	1	8260B	11/28/06 16:07	kcampigotto	Q19429
n-Butylbenzene	BRL	mg/kg	0.0048	0.00039	1	8260B	11/28/06 16:07	kcampigotto	Q19429
n-Propylbenzene	0.0019 J	mg/kg	0.0048	0.00029	1	8260B	11/28/06 16:07	kcampigotto	Q19429
Naphthalene	0.019	mg/kg	0.0097	0.00056	1	8260B	11/28/06 16:07	kcampigotto	Q19429

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane SL/Alamance Client Sample ID: 2XCAV6-3.5  
 Rd. Burlington, NC 27215 Prism Sample ID: 166941  
 Project ID: DOT-Alamance-Burlington COC Group: G1106572  
 Project No.: WBS# 34911.1.1 Time Collected: 11/15/06 16:00  
 Sample Matrix: Soil Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
o-Xylene	BRL	mg/kg	0.0048	0.00029	1	8260B	11/28/06 16:07	kcampigotto	Q19429
p-Isopropyltoluene	BRL	mg/kg	0.0048	0.0004	1	8260B	11/28/06 16:07	kcampigotto	Q19429
sec-Butylbenzene	BRL	mg/kg	0.0048	0.00032	1	8260B	11/28/06 16:07	kcampigotto	Q19429
Styrene	BRL	mg/kg	0.0048	0.00048	1	8260B	11/28/06 16:07	kcampigotto	Q19429
tert-Butylbenzene	BRL	mg/kg	0.0048	0.0003	1	8260B	11/28/06 16:07	kcampigotto	Q19429
Tetrachloroethene	BRL	mg/kg	0.0048	0.00083	1	8260B	11/28/06 16:07	kcampigotto	Q19429
Toluene	BRL	mg/kg	0.0048	0.00033	1	8260B	11/28/06 16:07	kcampigotto	Q19429
trans-1,2-Dichloroethene	BRL	mg/kg	0.0048	0.00037	1	8260B	11/28/06 16:07	kcampigotto	Q19429
trans-1,3-Dichloropropene	BRL	mg/kg	0.0048	0.00034	1	8260B	11/28/06 16:07	kcampigotto	Q19429
Trichloroethene	BRL	mg/kg	0.0048	0.00029	1	8260B	11/28/06 16:07	kcampigotto	Q19429
Trichlorofluoromethane	BRL	mg/kg	0.0048	0.0004	1	8260B	11/28/06 16:07	kcampigotto	Q19429
Vinyl acetate	BRL	mg/kg	0.024	0.0017	1	8260B	11/28/06 16:07	kcampigotto	Q19429
Vinyl chloride	BRL	mg/kg	0.0048	0.00062	1	8260B	11/28/06 16:07	kcampigotto	Q19429

Surrogate	% Recovery	Control Limits
Bromofluorobenzene	101	77 - 128
Dibromofluoromethane	104	67 - 143
Toluene-d8	97	81 - 128

**Semi-volatile Organic Compounds by GC/MS**

1,2,4-Trichlorobenzene	BRL	mg/kg	0.40	0.067	1	8270C	11/29/06 8:45	kelliot	Q19517
1,2-Dichlorobenzene	BRL	mg/kg	0.40	0.055	1	8270C	11/29/06 8:45	kelliot	Q19517
1,3-Dichlorobenzene	BRL	mg/kg	0.40	0.041	1	8270C	11/29/06 8:45	kelliot	Q19517
1,4-Dichlorobenzene	BRL	mg/kg	0.40	0.033	1	8270C	11/29/06 8:45	kelliot	Q19517
2,4,5-Trichlorophenol	BRL	mg/kg	0.40	0.090	1	8270C	11/29/06 8:45	kelliot	Q19517
2,4,6-Trichlorophenol	BRL	mg/kg	0.40	0.085	1	8270C	11/29/06 8:45	kelliot	Q19517
2,4-Dichlorophenol	BRL	mg/kg	0.40	0.083	1	8270C	11/29/06 8:45	kelliot	Q19517
2,4-Dimethylphenol	BRL	mg/kg	0.40	0.078	1	8270C	11/29/06 8:45	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shau/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane SL/Alamance Client Sample ID: 2XCAV6-3.5  
 Rd. Burlington, NC 27215 Prism Sample ID: 166941  
 Project ID: DOT-Alamance-Burlington COC Group: G1106572  
 Project No.: WBS# 34911.1.1 Time Collected: 11/15/06 16:00  
 Sample Matrix: Soil Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
2,4-Dinitrophenol	BRL	mg/kg	2.0	0.10	1	8270C	11/29/06 8:45	kelliot	Q19517
2,4-Dinitrotoluene	BRL	mg/kg	0.40	0.062	1	8270C	11/29/06 8:45	kelliot	Q19517
2,6-Dinitrotoluene	BRL	mg/kg	0.40	0.048	1	8270C	11/29/06 8:45	kelliot	Q19517
2-Chloronaphthalene	BRL	mg/kg	0.40	0.066	1	8270C	11/29/06 8:45	kelliot	Q19517
2-Chlorophenol	BRL	mg/kg	0.40	0.040	1	8270C	11/29/06 8:45	kelliot	Q19517
2-Methylnaphthalene	BRL	mg/kg	0.40	0.068	1	8270C	11/29/06 8:45	kelliot	Q19517
2-Methylphenol	BRL	mg/kg	0.40	0.065	1	8270C	11/29/06 8:45	kelliot	Q19517
2-Nitrophenol	BRL	mg/kg	0.40	0.051	1	8270C	11/29/06 8:45	kelliot	Q19517
3&4-Methylphenol	BRL	mg/kg	0.40	0.063	1	8270C	11/29/06 8:45	kelliot	Q19517
3,3'-Dichlorobenzidine	BRL	mg/kg	0.81	0.13	1	8270C	11/29/06 8:45	kelliot	Q19517
4,6-Dinitro-2-methylphenol	BRL	mg/kg	2.0	0.090	1	8270C	11/29/06 8:45	kelliot	Q19517
4-Bromophenylphenylether	BRL	mg/kg	0.40	0.067	1	8270C	11/29/06 8:45	kelliot	Q19517
4-Chloro-3-methylphenol	BRL	mg/kg	0.81	0.076	1	8270C	11/29/06 8:45	kelliot	Q19517
4-Chloroaniline	BRL	mg/kg	0.40	0.089	1	8270C	11/29/06 8:45	kelliot	Q19517
4-Chlorophenylphenylether	BRL	mg/kg	0.40	0.061	1	8270C	11/29/06 8:45	kelliot	Q19517
4-Nitrophenol	BRL	mg/kg	2.0	0.10	1	8270C	11/29/06 8:45	kelliot	Q19517
Acenaphthene	BRL	mg/kg	0.40	0.077	1	8270C	11/29/06 8:45	kelliot	Q19517
Acenaphthylene	BRL	mg/kg	0.40	0.076	1	8270C	11/29/06 8:45	kelliot	Q19517
Anthracene	BRL	mg/kg	0.40	0.049	1	8270C	11/29/06 8:45	kelliot	Q19517
Azobenzene	BRL	mg/kg	2.0	0.21	1	8270C	11/29/06 8:45	kelliot	Q19517
Benzo(a)anthracene	BRL	mg/kg	0.40	0.079	1	8270C	11/29/06 8:45	kelliot	Q19517
Benzo(a)pyrene	BRL	mg/kg	0.40	0.040	1	8270C	11/29/06 8:45	kelliot	Q19517
Benzo(b)fluoranthene	BRL	mg/kg	0.40	0.054	1	8270C	11/29/06 8:45	kelliot	Q19517
Benzo(g,h,i)perylene	BRL	mg/kg	0.40	0.093	1	8270C	11/29/06 8:45	kelliot	Q19517
Benzo(k)fluoranthene	BRL	mg/kg	0.40	0.048	1	8270C	11/29/06 8:45	kelliot	Q19517
Benzoic acid	BRL	mg/kg	2.0	0.17	1	8270C	11/29/06 8:45	kelliot	Q19517
Benzyl alcohol	BRL	mg/kg	0.81	0.066	1	8270C	11/29/06 8:45	kelliot	Q19517
Bis(2-chloroethoxy)methane	BRL	mg/kg	0.40	0.077	1	8270C	11/29/06 8:45	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215 Client Sample ID: 2XCAV6-3.5  
 Project ID: DOT-Alamance-Burlington Prism Sample ID: 166941  
 Project No.: WBS# 34911.1.1 COC Group: G1106572  
 Sample Matrix: Soil Time Collected: 11/15/06 16:00  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-chloroethyl)ether	BRL	mg/kg	0.40	0.028	1	8270C	11/29/06 8:45	kelliot	Q19517
Bis(2-chloroisopropyl)ether	BRL	mg/kg	0.40	0.056	1	8270C	11/29/06 8:45	kelliot	Q19517
Bis(2-ethylhexyl)phthalate	BRL	mg/kg	0.40	0.044	1	8270C	11/29/06 8:45	kelliot	Q19517
Butylbenzylphthalate	BRL	mg/kg	0.40	0.041	1	8270C	11/29/06 8:45	kelliot	Q19517
Chrysene	BRL	mg/kg	0.40	0.078	1	8270C	11/29/06 8:45	kelliot	Q19517
Di-n-butylphthalate	BRL	mg/kg	0.40	0.055	1	8270C	11/29/06 8:45	kelliot	Q19517
Di-n-octylphthalate	BRL	mg/kg	0.40	0.070	1	8270C	11/29/06 8:45	kelliot	Q19517
Dibenzo(a,h)anthracene	BRL	mg/kg	0.40	0.095	1	8270C	11/29/06 8:45	kelliot	Q19517
Dibenzofuran	BRL	mg/kg	0.40	0.074	1	8270C	11/29/06 8:45	kelliot	Q19517
Diethylphthalate	BRL	mg/kg	0.40	0.040	1	8270C	11/29/06 8:45	kelliot	Q19517
Dimethylphthalate	BRL	mg/kg	0.40	0.055	1	8270C	11/29/06 8:45	kelliot	Q19517
Fluoranthene	BRL	mg/kg	0.40	0.049	1	8270C	11/29/06 8:45	kelliot	Q19517
Fluorene	BRL	mg/kg	0.40	0.078	1	8270C	11/29/06 8:45	kelliot	Q19517
Hexachlorobenzene	BRL	mg/kg	0.40	0.059	1	8270C	11/29/06 8:45	kelliot	Q19517
Hexachlorobutadiene	BRL	mg/kg	0.40	0.052	1	8270C	11/29/06 8:45	kelliot	Q19517
Hexachlorocyclopentadiene	BRL	mg/kg	0.40	0.093	1	8270C	11/29/06 8:45	kelliot	Q19517
Hexachloroethane	BRL	mg/kg	0.40	0.054	1	8270C	11/29/06 8:45	kelliot	Q19517
Indeno(1,2,3-cd)pyrene	BRL	mg/kg	0.40	0.10	1	8270C	11/29/06 8:45	kelliot	Q19517
Isophorone	BRL	mg/kg	0.40	0.074	1	8270C	11/29/06 8:45	kelliot	Q19517
N-Nitrosodi-n-propylamine	BRL	mg/kg	0.40	0.073	1	8270C	11/29/06 8:45	kelliot	Q19517
N-Nitrosodiphenylamine	BRL	mg/kg	0.40	0.059	1	8270C	11/29/06 8:45	kelliot	Q19517
Naphthalene	BRL	mg/kg	0.40	0.056	1	8270C	11/29/06 8:45	kelliot	Q19517
Nitrobenzene	BRL	mg/kg	0.40	0.073	1	8270C	11/29/06 8:45	kelliot	Q19517
Pentachlorophenol	BRL	mg/kg	2.0	0.052	1	8270C	11/29/06 8:45	kelliot	Q19517
Phenanthrene	BRL	mg/kg	0.40	0.045	1	8270C	11/29/06 8:45	kelliot	Q19517
Phenol	BRL	mg/kg	0.40	0.049	1	8270C	11/29/06 8:45	kelliot	Q19517
Pyrene	BRL	mg/kg	0.40	0.032	1	8270C	11/29/06 8:45	kelliot	Q19517

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

# Laboratory Report

12/05/08

N. C. Department of Transportation  
 Attn: Bob Shauf/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 2XCAV6-3.5  
 Prism Sample ID: 166941  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 16:00  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Sample Preparation: 29.94 g / 1 mL 3550B 11/28/06 7:00 dpope P16943

Surrogate	% Recovery	Control Limits
2-Fluorobiphenyl	72	21 - 108
2-Fluorophenol	64	14 - 89
Nitrobenzene-d5	76	14 - 103
Phenol-d5	63	13 - 95
Terphenyl-d14	104	41 - 136
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	13	12	1	MADEP EPH	11/29/06 19:31	grappacchio	Q19505
C19-C36 Aliphatics	BRL	mg/kg	13	7.7	1	MADEP EPH	11/29/06 19:31	grappacchio	Q19505
C9-C18 Aliphatics	BRL	mg/kg	13	11	1	MADEP EPH	11/29/06 19:31	grappacchio	Q19505

\* Analysis Note for C11-C22 Aromatics: Adjusted value.

Sample Preparation: 9.6 g / 2 mL EPH 11/21/06 10:00 dpope P16905

Surrogate	% Recovery	Control Limits
1-Chloro-octadecane	95	40 - 140
2-Bromonaphthalene	67	40 - 140
2-Fluorobiphenyl	97	40 - 140
o-Terphenyl	82	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	8.5	4.3	1	MADEP VPH	11/28/06 8:56	erussell	Q19470
C9-C10 Aromatics	BRL	mg/kg	8.5	4.3	1	MADEP VPH	11/28/06 8:56	erussell	Q19470
C9-C12 Aliphatics	BRL	mg/kg	8.5	4.3	1	MADEP VPH	11/28/06 8:56	erussell	Q19470

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. MebaneSt/Alamance Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 Client Sample ID: 2XCAV6-3.5  
 Prism Sample ID: 166941  
 COC Group: G1106572  
 Time Collected: 11/15/06 16:00  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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- \* Analysis Note for C5-C8 Aliphatics: Adjusted value.
- \* Analysis Note for C9-C12 Aliphatics: Adjusted value.

Surrogate	% Recovery	Control Limits
2,5-Dibromotoluene-FID	106	70 - 130
2,5-Dibromotoluene-PID	101	70 - 130

**Sample Weight Determination**

Weight 1	6.16	g	1	MADEP VPH	11/21/06 0:00	lbrown
Weight 2	6.34	g	1	MADEP VPH	11/21/06 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  
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# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shauf/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 Client Sample ID: 2XCAV7-4.0  
 Prism Sample ID: 166942  
 COC Group: G1106572  
 Time Collected: 11/15/06 16:15  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Percent Solids Determination</b>									
Percent Solids	91.1	%			1	SM2540 G	11/20/06 15:20	athao	
<b>Sample Weight Determination</b>									
Weight Bisulfate 1	5.91	g			1	5035	11/27/06 0:00	lbrown	
Weight Bisulfate 2	6.49	g			1	5035	11/27/06 0:00	lbrown	
<b>Volatile Organic Compounds by GC/MS</b>									
1,1,1-Trichloroethane	BRL	mg/kg	0.0046	0.00026	1	8260B	11/22/06 22:14	kcampigotto	Q19429
1,1,2,2-Tetrachloroethane	BRL	mg/kg	0.0046	0.00047	1	8260B	11/22/06 22:14	kcampigotto	Q19429
1,1,2-Trichloroethane	BRL	mg/kg	0.0046	0.00029	1	8260B	11/22/06 22:14	kcampigotto	Q19429
1,1-Dichloroethane	BRL	mg/kg	0.0046	0.00033	1	8260B	11/22/06 22:14	kcampigotto	Q19429
1,1-Dichloroethene	BRL	mg/kg	0.0046	0.00035	1	8260B	11/22/06 22:14	kcampigotto	Q19429
1,1-Dichloropropene	BRL	mg/kg	0.0046	0.00041	1	8260B	11/22/06 22:14	kcampigotto	Q19429
1,2,3-Trichlorobenzene	BRL	mg/kg	0.0046	0.00051	1	8260B	11/22/06 22:14	kcampigotto	Q19429
1,2,3-Trichloropropane	BRL	mg/kg	0.0046	0.00041	1	8260B	11/22/06 22:14	kcampigotto	Q19429
1,2,4-Trichlorobenzene	BRL	mg/kg	0.0046	0.00045	1	8260B	11/22/06 22:14	kcampigotto	Q19429
1,2,4-Trimethylbenzene	0.15	mg/kg	0.0046	0.00035	1	8260B	11/22/06 22:14	kcampigotto	Q19429
1,2-Dibromoethane (EDB)	BRL	mg/kg	0.0046	0.000084	1	8260B	11/22/06 22:14	kcampigotto	Q19429
1,2-Dichlorobenzene	BRL	mg/kg	0.0046	0.00025	1	8260B	11/22/06 22:14	kcampigotto	Q19429
1,2-Dichloroethane	BRL	mg/kg	0.0046	0.00046	1	8260B	11/22/06 22:14	kcampigotto	Q19429
1,2-Dichloropropane	BRL	mg/kg	0.0046	0.00034	1	8260B	11/22/06 22:14	kcampigotto	Q19429
1,3,5-Trimethylbenzene	0.036	mg/kg	0.0046	0.00039	1	8260B	11/22/06 22:14	kcampigotto	Q19429
1,3-Dichlorobenzene	BRL	mg/kg	0.0046	0.0004	1	8260B	11/22/06 22:14	kcampigotto	Q19429
1,3-Dichloropropane	BRL	mg/kg	0.0046	0.00032	1	8260B	11/22/06 22:14	kcampigotto	Q19429
1,4-Dichlorobenzene	BRL	mg/kg	0.0046	0.00036	1	8260B	11/22/06 22:14	kcampigotto	Q19429
2,2-Dichloropropane	BRL	mg/kg	0.0046	0.00023	1	8260B	11/22/06 22:14	kcampigotto	Q19429
2-Chlorotoluene	BRL	mg/kg	0.0046	0.00034	1	8260B	11/22/06 22:14	kcampigotto	Q19429
2-Hexanone	BRL	mg/kg	0.046	0.00048	1	8260B	11/22/06 22:14	kcampigotto	Q19429

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane SL/Alamance Client Sample ID: 2XCAV7-4.0  
 Rd. Burlington, NC 27215 Prism Sample ID: 166942  
 Project ID: DOT-Alamance-Burlington COC Group: G1106572  
 Project No.: WBS# 34911.1.1 Time Collected: 11/15/06 16:15  
 Sample Matrix: Soil Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	mg/kg	0.0046	0.00024	1	8260B	11/22/06 22:14	kcampigotto	Q19429
4-Methyl-2-pentanone (MIBK)	BRL	mg/kg	0.046	0.00046	1	8260B	11/22/06 22:14	kcampigotto	Q19429
Acetone	BRL	mg/kg	0.046	0.0018	1	8260B	11/22/06 22:14	kcampigotto	Q19429
Benzene	BRL	mg/kg	0.0028	0.00037	1	8260B	11/22/06 22:14	kcampigotto	Q19429
Bromobenzene	BRL	mg/kg	0.0046	0.00033	1	8260B	11/22/06 22:14	kcampigotto	Q19429
Bromochloromethane	BRL	mg/kg	0.0046	0.00028	1	8260B	11/22/06 22:14	kcampigotto	Q19429
Bromodichloromethane	BRL	mg/kg	0.0046	0.00041	1	8260B	11/22/06 22:14	kcampigotto	Q19429
Bromoform	BRL	mg/kg	0.0046	0.00034	1	8260B	11/22/06 22:14	kcampigotto	Q19429
Bromomethane	BRL	mg/kg	0.0093	0.00054	1	8260B	11/22/06 22:14	kcampigotto	Q19429
Carbon tetrachloride	BRL	mg/kg	0.0046	0.00027	1	8260B	11/22/06 22:14	kcampigotto	Q19429
Chlorobenzene	BRL	mg/kg	0.0046	0.00035	1	8260B	11/22/06 22:14	kcampigotto	Q19429
Chlorodibromomethane	BRL	mg/kg	0.0046	0.00032	1	8260B	11/22/06 22:14	kcampigotto	Q19429
Chloroethane	BRL	mg/kg	0.0093	0.00038	1	8260B	11/22/06 22:14	kcampigotto	Q19429
Chloroform	BRL	mg/kg	0.0046	0.00034	1	8260B	11/22/06 22:14	kcampigotto	Q19429
Chloromethane	BRL	mg/kg	0.0046	0.00033	1	8260B	11/22/06 22:14	kcampigotto	Q19429
cis-1,2-Dichloroethene	BRL	mg/kg	0.0046	0.0002	1	8260B	11/22/06 22:14	kcampigotto	Q19429
cis-1,3-Dichloropropene	BRL	mg/kg	0.0046	0.0003	1	8260B	11/22/06 22:14	kcampigotto	Q19429
Dichlorodifluoromethane	BRL	mg/kg	0.0046	0.0010	1	8260B	11/22/06 22:14	kcampigotto	Q19429
Ethylbenzene	0.010	mg/kg	0.0046	0.00033	1	8260B	11/22/06 22:14	kcampigotto	Q19429
Isopropyl ether (IPE)	BRL	mg/kg	0.0046	0.00016	1	8260B	11/22/06 22:14	kcampigotto	Q19429
Isopropylbenzene	0.0040 J	mg/kg	0.0046	0.00037	1	8260B	11/22/06 22:14	kcampigotto	Q19429
m,p-Xylenes	0.029	mg/kg	0.0093	0.00065	1	8260B	11/22/06 22:14	kcampigotto	Q19429
Methyl ethyl ketone (MEK)	BRL	mg/kg	0.093	0.0013	1	8260B	11/22/06 22:14	kcampigotto	Q19429
Methyl t-butyl ether (MTBE)	BRL	mg/kg	0.0093	0.00027	1	8260B	11/22/06 22:14	kcampigotto	Q19429
Methylene chloride	BRL	mg/kg	0.0046	0.00038	1	8260B	11/22/06 22:14	kcampigotto	Q19429
n-Butylbenzene	0.027	mg/kg	0.0046	0.00037	1	8260B	11/22/06 22:14	kcampigotto	Q19429
n-Propylbenzene	0.019	mg/kg	0.0046	0.00028	1	8260B	11/22/06 22:14	kcampigotto	Q19429
Naphthalene	0.089	mg/kg	0.0093	0.00054	1	8260B	11/22/06 22:14	kcampigotto	Q19429

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaul/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 2XCAV7-4.0  
 Prism Sample ID: 166942  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 16:15  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
o-Xylene	0.0049	mg/kg	0.0046	0.00028	1	8260B	11/22/06 22:14	kcampigotto	Q19429
p-Isopropyltoluene	0.0037 J	mg/kg	0.0046	0.00038	1	8260B	11/22/06 22:14	kcampigotto	Q19429
sec-Butylbenzene	0.0049	mg/kg	0.0046	0.00031	1	8260B	11/22/06 22:14	kcampigotto	Q19429
Styrene	BRL	mg/kg	0.0046	0.00046	1	8260B	11/22/06 22:14	kcampigotto	Q19429
tert-Butylbenzene	BRL	mg/kg	0.0046	0.00029	1	8260B	11/22/06 22:14	kcampigotto	Q19429
Tetrachloroethene	BRL	mg/kg	0.0046	0.0008	1	8260B	11/22/06 22:14	kcampigotto	Q19429
Toluene	BRL	mg/kg	0.0046	0.00032	1	8260B	11/22/06 22:14	kcampigotto	Q19429
trans-1,2-Dichloroethene	BRL	mg/kg	0.0046	0.00035	1	8260B	11/22/06 22:14	kcampigotto	Q19429
trans-1,3-Dichloropropene	BRL	mg/kg	0.0046	0.00033	1	8260B	11/22/06 22:14	kcampigotto	Q19429
Trichloroethene	BRL	mg/kg	0.0046	0.00028	1	8260B	11/22/06 22:14	kcampigotto	Q19429
Trichlorofluoromethane	BRL	mg/kg	0.0046	0.00038	1	8260B	11/22/06 22:14	kcampigotto	Q19429
Vinyl acetate	BRL	mg/kg	0.023	0.0017	1	8260B	11/22/06 22:14	kcampigotto	Q19429
Vinyl chloride	BRL	mg/kg	0.0046	0.00059	1	8260B	11/22/06 22:14	kcampigotto	Q19429

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

**Semi-volatile Organic Compounds by GC/MS**

1,2,4-Trichlorobenzene	BRL	mg/kg	0.37	0.061	1	8270C	11/29/06 9:36	kelliot	Q19517
1,2-Dichlorobenzene	BRL	mg/kg	0.37	0.050	1	8270C	11/29/06 9:36	kelliot	Q19517
1,3-Dichlorobenzene	BRL	mg/kg	0.37	0.038	1	8270C	11/29/06 9:36	kelliot	Q19517
1,4-Dichlorobenzene	BRL	mg/kg	0.37	0.030	1	8270C	11/29/06 9:36	kelliot	Q19517
2,4,5-Trichlorophenol	BRL	mg/kg	0.37	0.082	1	8270C	11/29/06 9:36	kelliot	Q19517
2,4,6-Trichlorophenol	BRL	mg/kg	0.37	0.078	1	8270C	11/29/06 9:36	kelliot	Q19517
2,4-Dichlorophenol	BRL	mg/kg	0.37	0.076	1	8270C	11/29/06 9:36	kelliot	Q19517
2,4-Dimethylphenol	BRL	mg/kg	0.37	0.071	1	8270C	11/29/06 9:36	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc.  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215 Client Sample ID: 2XCAV7-4.0  
 Project ID: DOT-Alamance-Burlington Prism Sample ID: 166942  
 Project No.: WBS# 34911.1.1 COC Group: G1106572  
 Sample Matrix: Soil Time Collected: 11/15/06 16:15  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
2,4-Dinitrophenol	BRL	mg/kg	1.8	0.091	1	8270C	11/29/06 9:36	kelliot	Q19517
2,4-Dinitrotoluene	BRL	mg/kg	0.37	0.057	1	8270C	11/29/06 9:36	kelliot	Q19517
2,6-Dinitrotoluene	BRL	mg/kg	0.37	0.043	1	8270C	11/29/06 9:36	kelliot	Q19517
2-Chloronaphthalene	BRL	mg/kg	0.37	0.060	1	8270C	11/29/06 9:36	kelliot	Q19517
2-Chlorophenol	BRL	mg/kg	0.37	0.037	1	8270C	11/29/06 9:36	kelliot	Q19517
2-Methylnaphthalene	BRL	mg/kg	0.37	0.062	1	8270C	11/29/06 9:36	kelliot	Q19517
2-Methylphenol	BRL	mg/kg	0.37	0.059	1	8270C	11/29/06 9:36	kelliot	Q19517
2-Nitrophenol	BRL	mg/kg	0.37	0.047	1	8270C	11/28/06 9:36	kelliot	Q19517
3&4-Methylphenol	BRL	mg/kg	0.37	0.058	1	8270C	11/29/06 9:36	kelliot	Q19517
3,3'-Dichlorobenzidine	BRL	mg/kg	0.73	0.12	1	8270C	11/29/06 9:36	kelliot	Q19517
4,6-Dinitro-2-methylphenol	BRL	mg/kg	1.8	0.082	1	8270C	11/29/06 9:36	kelliot	Q19517
4-Bromophenylphenylether	BRL	mg/kg	0.37	0.061	1	8270C	11/29/06 9:36	kelliot	Q19517
4-Chloro-3-methylphenol	BRL	mg/kg	0.73	0.069	1	8270C	11/29/06 9:36	kelliot	Q19517
4-Chloroaniline	BRL	mg/kg	0.37	0.081	1	8270C	11/29/06 9:36	kelliot	Q19517
4-Chlorophenylphenylether	BRL	mg/kg	0.37	0.056	1	8270C	11/29/06 9:36	kelliot	Q19517
4-Nitrophenol	BRL	mg/kg	1.8	0.091	1	8270C	11/29/06 9:36	kelliot	Q19517
Acenaphthene	BRL	mg/kg	0.37	0.070	1	8270C	11/29/06 9:36	kelliot	Q19517
Acenaphthylene	BRL	mg/kg	0.37	0.069	1	8270C	11/29/06 9:36	kelliot	Q19517
Anthracene	BRL	mg/kg	0.37	0.044	1	8270C	11/29/06 9:36	kelliot	Q19517
Azobenzene	BRL	mg/kg	1.8	0.19	1	8270C	11/29/06 9:36	kelliot	Q19517
Benzo(a)anthracene	BRL	mg/kg	0.37	0.072	1	8270C	11/29/06 9:36	kelliot	Q19517
Benzo(a)pyrene	BRL	mg/kg	0.37	0.037	1	8270C	11/29/06 9:36	kelliot	Q19517
Benzo(b)fluoranthene	BRL	mg/kg	0.37	0.049	1	8270C	11/29/06 9:36	kelliot	Q19517
Benzo(g,h,i)perylene	BRL	mg/kg	0.37	0.084	1	8270C	11/29/06 9:36	kelliot	Q19517
Benzo(k)fluoranthene	BRL	mg/kg	0.37	0.043	1	8270C	11/29/06 9:36	kelliot	Q19517
Benzoic acid	BRL	mg/kg	1.8	0.16	1	8270C	11/29/06 9:36	kelliot	Q19517
Benzyl alcohol	BRL	mg/kg	0.73	0.060	1	8270C	11/29/06 9:36	kelliot	Q19517
Bis(2-chloroethoxy)methane	BRL	mg/kg	0.37	0.070	1	8270C	11/29/06 9:36	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 2XCAV7-4.0  
 Prism Sample ID: 166942  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1108572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 16:15  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-chloroethyl)ether	BRL	mg/kg	0.37	0.026	1	8270C	11/29/06 9:36	kelliot	Q19517
Bis(2-chloroisopropyl)ether	BRL	mg/kg	0.37	0.051	1	8270C	11/29/06 9:36	kelliot	Q19517
Bis(2-ethylhexyl)phthalate	BRL	mg/kg	0.37	0.040	1	8270C	11/29/06 9:36	kelliot	Q19517
Butylbenzylphthalate	BRL	mg/kg	0.37	0.038	1	8270C	11/29/06 9:36	kelliot	Q19517
Chrysene	BRL	mg/kg	0.37	0.069	1	8270C	11/29/06 9:36	kelliot	Q19517
Di-n-butylphthalate	BRL	mg/kg	0.37	0.050	1	8270C	11/29/06 9:36	kelliot	Q19517
Di-n-octylphthalate	BRL	mg/kg	0.37	0.063	1	8270C	11/29/06 9:36	kelliot	Q19517
Dibenzo(a,h)anthracene	BRL	mg/kg	0.37	0.087	1	8270C	11/29/06 9:36	kelliot	Q19517
Dibenzofuran	BRL	mg/kg	0.37	0.068	1	8270C	11/29/06 9:36	kelliot	Q19517
Diethylphthalate	BRL	mg/kg	0.37	0.037	1	8270C	11/29/06 9:36	kelliot	Q19517
Dimethylphthalate	BRL	mg/kg	0.37	0.050	1	8270C	11/29/06 9:36	kelliot	Q19517
Fluoranthene	BRL	mg/kg	0.37	0.044	1	8270C	11/29/06 9:36	kelliot	Q19517
Fluorene	BRL	mg/kg	0.37	0.069	1	8270C	11/29/06 9:36	kelliot	Q19517
Hexachlorobenzene	BRL	mg/kg	0.37	0.053	1	8270C	11/29/06 9:36	kelliot	Q19517
Hexachlorobutadiene	BRL	mg/kg	0.37	0.048	1	8270C	11/29/06 9:36	kelliot	Q19517
Hexachlorocyclopentadiene	BRL	mg/kg	0.37	0.084	1	8270C	11/29/06 9:36	kelliot	Q19517
Hexachloroethane	BRL	mg/kg	0.37	0.049	1	8270C	11/29/06 9:36	kelliot	Q19517
Indeno(1,2,3-cd)pyrene	BRL	mg/kg	0.37	0.093	1	8270C	11/29/06 9:36	kelliot	Q19517
Isophorone	BRL	mg/kg	0.37	0.068	1	8270C	11/29/06 9:36	kelliot	Q19517
N-Nitrosodi-n-propylamine	BRL	mg/kg	0.37	0.067	1	8270C	11/29/06 9:36	kelliot	Q19517
N-Nitrosodiphenylamine	BRL	mg/kg	0.37	0.053	1	8270C	11/29/06 9:36	kelliot	Q19517
Naphthalene	BRL	mg/kg	0.37	0.051	1	8270C	11/29/06 9:36	kelliot	Q19517
Nitrobenzene	BRL	mg/kg	0.37	0.067	1	8270C	11/29/06 9:36	kelliot	Q19517
Pentachlorophenol	BRL	mg/kg	1.8	0.048	1	8270C	11/29/06 9:36	kelliot	Q19517
Phenanthrene	BRL	mg/kg	0.37	0.041	1	8270C	11/29/06 9:36	kelliot	Q19517
Phenol	BRL	mg/kg	0.37	0.044	1	8270C	11/29/06 9:36	kelliot	Q19517
Pyrene	BRL	mg/kg	0.37	0.029	1	8270C	11/29/06 9:36	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 2XCAV7-4.0  
 Prism Sample ID: 166942  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 16:15  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

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

Sample Preparation: 29.65 g / 1 mL 3550B 11/28/06 7:00 dpope P16943

Surrogate	% Recovery	Control Limits
2,4,6-Tribromophenol	98	25 - 123
2-Fluorobiphenyl	78	21 - 108
2-Fluorophenol	65	14 - 89
Nitrobenzene-d5	81	14 - 103
Phenol-d5	64	13 - 95
Terphenyl-d14	119	41 - 136

**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	11	1	MADEP EPH	11/29/06 22:06	grappaccoli	Q19505
C19-C36 Aliphatics	BRL	mg/kg	11	8.8	1	MADEP EPH	11/29/06 22:06	grappaccoli	Q19505
C9-C18 Aliphatics	BRL	mg/kg	11	9.6	1	MADEP EPH	11/29/06 22:06	grappaccoli	Q19505

\* Analysis Note for C11-C22 Aromatics: Adjusted value.

Sample Preparation: 9.84 g / 2 mL EPH 11/21/06 10:00 dpope P16905

Surrogate	% Recovery	Control Limits
1-Chloro-octadecane	113	40 - 140
2-Bromonaphthalene	106	40 - 140
2-Fluorobiphenyl	116	40 - 140
o-Terphenyl	111	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	7.7	3.8	1	MADEP VPH	11/28/06 9:49	erussell	Q19470
C9-C10 Aromatics	BRL	mg/kg	7.7	3.8	1	MADEP VPH	11/28/06 9:49	erussell	Q19470
C9-C12 Aliphatics	BRL	mg/kg	7.7	3.8	1	MADEP VPH	11/28/06 9:49	erussell	Q19470

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 NC Drinking Water Cert. No. 37735

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaul/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 2XCAV7-4.0  
 Prism Sample ID: 166942  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 16:15  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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- \* Analysis Note for C5-C8 Aliphatics: Adjusted value.
- \* Analysis Note for C9-C12 Aliphatics: Adjusted value.

Surrogate	% Recovery	Control Limits
2,5-Dibromotoluene-FID	112	70 - 130
2,5-Dibromotoluene-PID	107	70 - 130

**Sample Weight Determination**

Weight 1	5.94	g	1	MADEP VPH	11/21/06 0:00	lbrown
Weight 2	6.21	g	1	MADEP VPH	11/21/06 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

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St/Alamance  
 Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-  
 Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil

Client Sample ID: 2XCAV8-4  
 Prism Sample ID: 166943  
 COC Group: G1106572  
 Time Collected: 11/15/06 16:20  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Percent Solids Determination</b>									
Percent Solids	91.2	%			1	SM2540 G	11/20/06 15:20	athao	
<b>Sample Weight Determination</b>									
Weight Bisulfate 1	5.78	g			1	5035	11/27/06 0:00	lbrown	
Weight Bisulfate 2	6.31	g			1	5035	11/27/06 0:00	lbrown	
<b>Volatile Organic Compounds by GC/MS</b>									
1,1,1-Trichloroethane	BRL	mg/kg	0.0047	0.00027	1	8260B	11/22/06 18:38	kcampigotto	Q19429
1,1,2,2-Tetrachloroethane	BRL	mg/kg	0.0047	0.00048	1	8260B	11/22/06 18:38	kcampigotto	Q19429
1,1,2-Trichloroethane	BRL	mg/kg	0.0047	0.00029	1	8260B	11/22/06 18:38	kcampigotto	Q19429
1,1-Dichloroethane	BRL	mg/kg	0.0047	0.00034	1	8260B	11/22/06 18:38	kcampigotto	Q19429
1,1-Dichloroethene	BRL	mg/kg	0.0047	0.00036	1	8260B	11/22/06 18:38	kcampigotto	Q19429
1,1-Dichloropropene	BRL	mg/kg	0.0047	0.00042	1	8260B	11/22/06 18:38	kcampigotto	Q19429
1,2,3-Trichlorobenzene	BRL	mg/kg	0.0047	0.00052	1	8260B	11/22/06 18:38	kcampigotto	Q19429
1,2,3-Trichloropropane	0.0033 J	mg/kg	0.0047	0.00042	1	8260B	11/22/06 18:38	kcampigotto	Q19429
1,2,4-Trichlorobenzene	BRL	mg/kg	0.0047	0.00046	1	8260B	11/22/06 18:38	kcampigotto	Q19429
1,2,4-Trimethylbenzene	1.9	mg/kg	0.47	0.035	100	8260B	11/28/06 3:43	kcampigotto	Q19429
1,2-Dibromoethane (EDB)	BRL	mg/kg	0.0047	0.000085	1	8260B	11/22/06 18:38	kcampigotto	Q19429
1,2-Dichlorobenzene	BRL	mg/kg	0.0047	0.00026	1	8260B	11/22/06 18:38	kcampigotto	Q19429
1,2-Dichloroethane	BRL	mg/kg	0.0047	0.00047	1	8260B	11/22/06 18:38	kcampigotto	Q19429
1,2-Dichloropropane	BRL	mg/kg	0.0047	0.00035	1	8260B	11/22/06 18:38	kcampigotto	Q19429
1,3,5-Trimethylbenzene	0.52	mg/kg	0.47	0.039	100	8260B	11/28/06 3:43	kcampigotto	Q19429
1,3-Dichlorobenzene	BRL	mg/kg	0.0047	0.00041	1	8260B	11/22/06 18:38	kcampigotto	Q19429
1,3-Dichloropropane	BRL	mg/kg	0.0047	0.00032	1	8260B	11/22/06 18:38	kcampigotto	Q19429
1,4-Dichlorobenzene	BRL	mg/kg	0.0047	0.00037	1	8260B	11/22/06 18:38	kcampigotto	Q19429
2,2-Dichloropropane	BRL	mg/kg	0.0047	0.00024	1	8260B	11/22/06 18:38	kcampigotto	Q19429
2-Chlorotoluene	BRL	mg/kg	0.0047	0.00035	1	8260B	11/22/06 18:38	kcampigotto	Q19429
2-Hexanone	BRL	mg/kg	0.047	0.00049	1	8260B	11/22/06 18:38	kcampigotto	Q19429

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance  
 Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-  
 Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil

Client Sample ID: 2XCAV8-4  
 Prism Sample ID: 166943  
 COC Group: G1106572  
 Time Collected: 11/15/06 16:20  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	mg/kg	0.0047	0.00025	1	8260B	11/22/06 18:38	kcampigotto	Q19429
4-Methyl-2-pentanone (MIBK)	BRL	mg/kg	0.047	0.00047	1	8260B	11/22/06 18:38	kcampigotto	Q19429
Acetone	BRL	mg/kg	0.047	0.0019	1	8260B	11/22/06 18:38	kcampigotto	Q19429
Benzene	BRL	mg/kg	0.0028	0.00038	1	8260B	11/22/06 18:38	kcampigotto	Q19429
Bromobenzene	BRL	mg/kg	0.0047	0.00033	1	8260B	11/22/06 18:38	kcampigotto	Q19429
Bromochloromethane	BRL	mg/kg	0.0047	0.00028	1	8260B	11/22/06 18:38	kcampigotto	Q19429
Bromodichloromethane	BRL	mg/kg	0.0047	0.00042	1	8260B	11/22/06 18:38	kcampigotto	Q19429
Bromoform	BRL	mg/kg	0.0047	0.00035	1	8260B	11/22/06 18:38	kcampigotto	Q19429
Bromomethane	BRL	mg/kg	0.0095	0.00055	1	8260B	11/22/06 18:38	kcampigotto	Q19429
Carbon tetrachloride	BRL	mg/kg	0.0047	0.00028	1	8260B	11/22/06 18:38	kcampigotto	Q19429
Chlorobenzene	BRL	mg/kg	0.0047	0.00036	1	8260B	11/22/06 18:38	kcampigotto	Q19429
Chlorodibromomethane	BRL	mg/kg	0.0047	0.00032	1	8260B	11/22/06 18:38	kcampigotto	Q19429
Chloroethane	BRL	mg/kg	0.0095	0.00039	1	8260B	11/22/06 18:38	kcampigotto	Q19429
Chloroform	BRL	mg/kg	0.0047	0.00035	1	8260B	11/22/06 18:38	kcampigotto	Q19429
Chloromethane	BRL	mg/kg	0.0047	0.00033	1	8260B	11/22/06 18:38	kcampigotto	Q19429
cis-1,2-Dichloroethene	BRL	mg/kg	0.0047	0.00021	1	8260B	11/22/06 18:38	kcampigotto	Q19429
cis-1,3-Dichloropropene	BRL	mg/kg	0.0047	0.0003	1	8260B	11/22/06 18:38	kcampigotto	Q19429
Dichlorodifluoromethane	BRL	mg/kg	0.0047	0.0011	1	8260B	11/22/06 18:38	kcampigotto	Q19429
Ethylbenzene	0.055	mg/kg	0.0047	0.00033	1	8260B	11/22/06 18:38	kcampigotto	Q19429
Isopropyl ether (IPE)	BRL	mg/kg	0.0047	0.00018	1	8260B	11/22/06 18:38	kcampigotto	Q19429
Isopropylbenzene	0.030	mg/kg	0.0047	0.00038	1	8260B	11/22/06 18:38	kcampigotto	Q19429
m,p-Xylenes	0.13	mg/kg	0.0095	0.00066	1	8260B	11/22/06 18:38	kcampigotto	Q19429
Methyl ethyl ketone (MEK)	BRL	mg/kg	0.095	0.0013	1	8260B	11/22/06 18:38	kcampigotto	Q19429
Methyl t-butyl ether (MTBE)	BRL	mg/kg	0.0095	0.00028	1	8260B	11/22/06 18:38	kcampigotto	Q19429
Methylene chloride	BRL	mg/kg	0.0047	0.00039	1	8260B	11/22/06 18:38	kcampigotto	Q19429
n-Butylbenzene	0.21	mg/kg	0.20	0.037	100	8260B	11/28/06 3:43	kcampigotto	Q19429
n-Propylbenzene	0.15	mg/kg	0.0047	0.00028	1	8260B	11/22/06 18:38	kcampigotto	Q19429
Naphthalene	0.91	mg/kg	0.88	0.054	100	8260B	11/28/06 3:43	kcampigotto	Q19429

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St/Alamance  
 Rd, Burlington, NC 27215  
 Project ID: DOT-Alamance-  
 Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil

Client Sample ID: 2XCAV8-4  
 Prism Sample ID: 166943  
 COC Group: G1106572  
 Time Collected: 11/15/06 16:20  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
o-Xylene	0.021	mg/kg	0.0047	0.00028	1	8260B	11/22/06 18:38	kcampigotto	Q19429
p-Isopropyltoluene	0.021	mg/kg	0.0047	0.00039	1	8260B	11/22/06 18:38	kcampigotto	Q19429
sec-Butylbenzene	0.037	mg/kg	0.0047	0.00031	1	8260B	11/22/06 18:38	kcampigotto	Q19429
Styrene	BRL	mg/kg	0.0047	0.00047	1	8260B	11/22/06 18:38	kcampigotto	Q19429
tert-Butylbenzene	BRL	mg/kg	0.0047	0.00029	1	8260B	11/22/06 18:38	kcampigotto	Q19429
Tetrachloroethene	BRL	mg/kg	0.0047	0.00082	1	8260B	11/22/06 18:38	kcampigotto	Q19429
Toluene	BRL	mg/kg	0.0047	0.00032	1	8260B	11/22/06 18:38	kcampigotto	Q19429
trans-1,2-Dichloroethene	BRL	mg/kg	0.0047	0.00036	1	8260B	11/22/06 18:38	kcampigotto	Q19429
trans-1,3-Dichloropropene	BRL	mg/kg	0.0047	0.00033	1	8260B	11/22/06 18:38	kcampigotto	Q19429
Trichloroethene	BRL	mg/kg	0.0047	0.00028	1	8260B	11/22/06 18:38	kcampigotto	Q19429
Trichlorofluoromethane	BRL	mg/kg	0.0047	0.00039	1	8260B	11/22/06 18:38	kcampigotto	Q19429
Vinyl acetate	BRL	mg/kg	0.024	0.0017	1	8260B	11/22/06 18:38	kcampigotto	Q19429
Vinyl chloride	BRL	mg/kg	0.0047	0.00061	1	8260B	11/22/06 18:38	kcampigotto	Q19429

Surrogate	% Recovery	Control Limits
Toluene-d8	102	81 - 128
Dibromofluoromethane	104	67 - 143
Bromofluorobenzene	100	77 - 128

### Semi-volatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	BRL	mg/kg	0.36	0.060	1	8270C	11/29/06 10:27	keilott	Q19517
1,2-Dichlorobenzene	BRL	mg/kg	0.36	0.049	1	8270C	11/29/06 10:27	keilott	Q19517
1,3-Dichlorobenzene	BRL	mg/kg	0.36	0.037	1	8270C	11/29/06 10:27	keilott	Q19517
1,4-Dichlorobenzene	BRL	mg/kg	0.36	0.029	1	8270C	11/29/06 10:27	keilott	Q19517
2,4,5-Trichlorophenol	BRL	mg/kg	0.36	0.081	1	8270C	11/29/06 10:27	keilott	Q19517
2,4,6-Trichlorophenol	BRL	mg/kg	0.36	0.076	1	8270C	11/29/06 10:27	keilott	Q19517
2,4-Dichlorophenol	BRL	mg/kg	0.36	0.074	1	8270C	11/29/06 10:27	keilott	Q19517
2,4-Dimethylphenol	BRL	mg/kg	0.36	0.070	1	8270C	11/29/06 10:27	keilott	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance  
 Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-  
 Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil

Client Sample ID: 2XCAV8-4  
 Prism Sample ID: 166943  
 COC Group: G1106572  
 Time Collected: 11/15/06 16:20  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
2,4-Dinitrophenol	BRL	mg/kg	1.8	0.089	1	8270C	11/29/06 10:27	kelliot	Q19517
2,4-Dinitrotoluene	BRL	mg/kg	0.36	0.056	1	8270C	11/29/06 10:27	kelliot	Q19517
2,6-Dinitrotoluene	BRL	mg/kg	0.36	0.043	1	8270C	11/29/06 10:27	kelliot	Q19517
2-Chloronaphthalene	BRL	mg/kg	0.38	0.059	1	8270C	11/29/06 10:27	kelliot	Q19517
2-Chlorophenol	BRL	mg/kg	0.36	0.036	1	8270C	11/29/06 10:27	kelliot	Q19517
2-Methylnaphthalene	0.23 J	mg/kg	0.36	0.061	1	8270C	11/29/06 10:27	kelliot	Q19517
2-Methylphenol	BRL	mg/kg	0.36	0.058	1	8270C	11/29/06 10:27	kelliot	Q19517
2-Nitrophenol	BRL	mg/kg	0.36	0.046	1	8270C	11/29/06 10:27	kelliot	Q19517
3&4-Methylphenol	BRL	mg/kg	0.36	0.057	1	8270C	11/29/06 10:27	kelliot	Q19517
3,3'-Dichlorobenzidine	BRL	mg/kg	0.72	0.12	1	8270C	11/29/06 10:27	kelliot	Q19517
4,6-Dinitro-2-methylphenol	BRL	mg/kg	1.8	0.081	1	8270C	11/29/06 10:27	kelliot	Q19517
4-Bromophenylphenylether	BRL	mg/kg	0.36	0.060	1	8270C	11/29/06 10:27	kelliot	Q19517
4-Chloro-3-methylphenol	BRL	mg/kg	0.72	0.068	1	8270C	11/29/06 10:27	kelliot	Q19517
4-Chloroaniline	BRL	mg/kg	0.36	0.080	1	8270C	11/29/06 10:27	kelliot	Q19517
4-Chlorophenylphenylether	BRL	mg/kg	0.36	0.055	1	8270C	11/29/06 10:27	kelliot	Q19517
4-Nitrophenol	BRL	mg/kg	1.8	0.089	1	8270C	11/29/06 10:27	kelliot	Q19517
Acenaphthene	BRL	mg/kg	0.38	0.069	1	8270C	11/29/06 10:27	kelliot	Q19517
Acenaphthylene	BRL	mg/kg	0.36	0.068	1	8270C	11/29/06 10:27	kelliot	Q19517
Anthracene	BRL	mg/kg	0.36	0.044	1	8270C	11/29/06 10:27	kelliot	Q19517
Azobenzene	BRL	mg/kg	1.8	0.19	1	8270C	11/29/06 10:27	kelliot	Q19517
Benzo(a)anthracene	BRL	mg/kg	0.36	0.071	1	8270C	11/29/06 10:27	kelliot	Q19517
Benzo(a)pyrene	BRL	mg/kg	0.36	0.036	1	8270C	11/29/06 10:27	kelliot	Q19517
Benzo(b)fluoranthene	BRL	mg/kg	0.36	0.048	1	8270C	11/29/06 10:27	kelliot	Q19517
Benzo(g,h,i)perylene	BRL	mg/kg	0.36	0.083	1	8270C	11/29/06 10:27	kelliot	Q19517
Benzo(k)fluoranthene	BRL	mg/kg	0.36	0.043	1	8270C	11/29/06 10:27	kelliot	Q19517
Benzoic acid	BRL	mg/kg	1.8	0.15	1	8270C	11/29/06 10:27	kelliot	Q19517
Benzyl alcohol	BRL	mg/kg	0.72	0.059	1	8270C	11/29/06 10:27	kelliot	Q19517
Bis(2-chloroethoxy)methane	BRL	mg/kg	0.36	0.069	1	8270C	11/29/06 10:27	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil

Client Sample ID: 2XCAV8-4  
 Prism Sample ID: 166943  
 COC Group: G1106572  
 Time Collected: 11/15/06 16:20  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-chloroethyl)ether	BRL	mg/kg	0.36	0.025	1	8270C	11/29/06 10:27	kelliot	Q19517
Bis(2-chloroisopropyl)ether	BRL	mg/kg	0.36	0.050	1	8270C	11/29/06 10:27	kelliot	Q19517
Bis(2-ethylhexyl)phthalate	BRL	mg/kg	0.36	0.039	1	8270C	11/29/06 10:27	kelliot	Q19517
Butylbenzylphthalate	BRL	mg/kg	0.36	0.037	1	8270C	11/29/06 10:27	kelliot	Q19517
Chrysene	BRL	mg/kg	0.36	0.068	1	8270C	11/29/06 10:27	kelliot	Q19517
Di-n-butylphthalate	BRL	mg/kg	0.36	0.049	1	8270C	11/29/06 10:27	kelliot	Q19517
Di-n-octylphthalate	BRL	mg/kg	0.36	0.062	1	8270C	11/29/06 10:27	kelliot	Q19517
Dibenzo(a,h)anthracene	BRL	mg/kg	0.36	0.085	1	8270C	11/29/06 10:27	kelliot	Q19517
Dibenzofuran	BRL	mg/kg	0.36	0.067	1	8270C	11/29/06 10:27	kelliot	Q19517
Diethylphthalate	BRL	mg/kg	0.36	0.036	1	8270C	11/29/06 10:27	kelliot	Q19517
Dimethylphthalate	BRL	mg/kg	0.36	0.049	1	8270C	11/29/06 10:27	kelliot	Q19517
Fluoranthene	BRL	mg/kg	0.36	0.044	1	8270C	11/29/06 10:27	kelliot	Q19517
Fluorene	BRL	mg/kg	0.36	0.068	1	8270C	11/29/06 10:27	kelliot	Q19517
Hexachlorobenzene	BRL	mg/kg	0.36	0.052	1	8270C	11/29/06 10:27	kelliot	Q19517
Hexachlorobutadiene	BRL	mg/kg	0.36	0.047	1	8270C	11/29/06 10:27	kelliot	Q19517
Hexachlorocyclopentadiene	BRL	mg/kg	0.36	0.083	1	8270C	11/29/06 10:27	kelliot	Q19517
Hexachloroethane	BRL	mg/kg	0.36	0.048	1	8270C	11/29/06 10:27	kelliot	Q19517
Indeno(1,2,3-cd)pyrene	BRL	mg/kg	0.36	0.092	1	8270C	11/29/06 10:27	kelliot	Q19517
Isophorone	BRL	mg/kg	0.36	0.067	1	8270C	11/29/06 10:27	kelliot	Q19517
N-Nitrosodi-n-propylamine	BRL	mg/kg	0.36	0.065	1	8270C	11/29/06 10:27	kelliot	Q19517
N-Nitrosodiphenylamine	BRL	mg/kg	0.36	0.052	1	8270C	11/29/06 10:27	kelliot	Q19517
Naphthalene	BRL	mg/kg	0.36	0.050	1	8270C	11/29/06 10:27	kelliot	Q19517
Nitrobenzene	BRL	mg/kg	0.36	0.065	1	8270C	11/29/06 10:27	kelliot	Q19517
Pentachlorophenol	BRL	mg/kg	1.8	0.047	1	8270C	11/29/06 10:27	kelliot	Q19517
Phenanthrene	BRL	mg/kg	0.36	0.040	1	8270C	11/29/06 10:27	kelliot	Q19517
Phenol	BRL	mg/kg	0.36	0.044	1	8270C	11/29/06 10:27	kelliot	Q19517
Pyrene	BRL	mg/kg	0.36	0.028	1	8270C	11/29/06 10:27	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd, Ste 200  
 Morrisville, NC 27560

Project Name: S. MebaneSL/Alamance Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil

Client Sample ID: 2XCAV8-4  
 Prism Sample ID: 166943  
 COC Group: G1106572  
 Time Collected: 11/15/06 16:20  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Sample Preparation:			30.17	g /	1 mL	3550B	11/28/06 7:00	dpope	P16943

Surrogate	% Recovery	Control Limits
Terphenyl-d14	123	41 - 136
Phenol-d5	71	13 - 95
Nitrobenzene-d5	83	14 - 103
2-Fluorophenol	68	14 - 89
2-Fluorobiphenyl	87	21 - 108
2,4,6-Tribromophenol	101	25 - 123

### Extractable Petroleum Hydrocarbons by GC-FID

C11-C22 Aromatics	BRL	mg/kg	11	10	1	MADEP EPH	11/30/06 11:51	grappaccoli	Q19505
C19-C36 Aliphatics	BRL	mg/kg	11	6.7	1	MADEP EPH	11/30/06 11:51	grappaccoli	Q19505
C9-C18 Aliphatics	BRL	mg/kg	11	9.4	1	MADEP EPH	11/30/06 11:51	grappaccoli	Q19505

\* Analysis Note for C11-C22 Aromatics: Adjusted value.

Sample Preparation: 10.03 g / 2 mL EPH 11/21/06 10:00 dpope P16905

Surrogate	% Recovery	Control Limits
o-Terphenyl	95	40 - 140
2-Fluorobiphenyl	92	40 - 140
2-Bromonaphthalene	74	40 - 140
1-Chloro-octadecane	98	40 - 140

### Volatile Petroleum Hydrocarbons by GC-PID/FID

C5-C8 Aliphatics	BRL	mg/kg	7.7	3.8	1	MADEP VPH	12/05/06 14:46	erussell	Q19470
C9-C10 Aromatics	17	mg/kg	7.7	3.8	1	MADEP VPH	12/05/06 14:46	erussell	Q19470
C9-C12 Aliphatics	29	mg/kg	7.7	3.8	1	MADEP VPH	12/05/06 14:46	erussell	Q19470

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St/Alamance Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil

Client Sample ID: 2XCAV8-4  
 Prism Sample ID: 186943  
 COC Group: G1106572  
 Time Collected: 11/15/06 16:20  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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- \* Analysis Note for C5-C8 Aliphatics: Adjusted value.
- \* Analysis Note for C9-C12 Aliphatics: Adjusted value.

Surrogate	% Recovery	Control Limits
2,5-Dibromotoluene-PID	104	70 - 130
2,5-Dibromotoluene-FID	111	70 - 130

**Sample Weight Determination**

Weight	Result	Units	Dilution Factor	Method	Analysis Date/Time	Analyst
Weight 1	5.97	g	1	MADEP VPH	11/21/06 0:00	ibrown
Weight 2	5.46	g	1	MADEP VPH	11/21/06 0:00	ibrown

**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. 98012  
 NC Drinking Water Cert. No. 37735

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 1XCAV1-12  
 Prism Sample ID: 166944  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 16:45  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Percent Solids Determination</b>									
Percent Solids	78.3	%			1	SM2540 G	11/20/06 15:20	athao	
<b>Sample Weight Determination</b>									
Weight Bisulfate 1	5.52	g			1	5035	11/27/06 0:00	lbrown	
Weight Bisulfate 2	5.98	g			1	5035	11/27/06 0:00	lbrown	
<b>Volatile Organic Compounds by GC/MS</b>									
1,1,1-Trichloroethane	BRL	mg/kg	0.0058	0.00032	1	8260B	11/22/06 19:21	kcampigotto	Q19429
1,1,2,2-Tetrachloroethane	BRL	mg/kg	0.0058	0.00059	1	8260B	11/22/06 19:21	kcampigotto	Q19429
1,1,2-Trichloroethane	BRL	mg/kg	0.0058	0.00036	1	8260B	11/22/06 19:21	kcampigotto	Q19429
1,1-Dichloroethane	BRL	mg/kg	0.0058	0.00042	1	8260B	11/22/06 19:21	kcampigotto	Q19429
1,1-Dichloroethene	BRL	mg/kg	0.0058	0.00044	1	8260B	11/22/06 19:21	kcampigotto	Q19429
1,1-Dichloropropene	BRL	mg/kg	0.0058	0.00051	1	8260B	11/22/06 19:21	kcampigotto	Q19429
1,2,3-Trichlorobenzene	BRL	mg/kg	0.0058	0.00064	1	8260B	11/22/06 19:21	kcampigotto	Q19429
1,2,3-Trichloropropane	BRL	mg/kg	0.0058	0.00051	1	8260B	11/22/06 19:21	kcampigotto	Q19429
1,2,4-Trichlorobenzene	BRL	mg/kg	0.0058	0.00058	1	8260B	11/22/06 19:21	kcampigotto	Q19429
1,2,4-Trimethylbenzene	0.099	mg/kg	0.0058	0.00044	1	8260B	11/22/06 19:21	kcampigotto	Q19429
1,2-Dibromoethane (EDB)	BRL	mg/kg	0.0058	0.0001	1	8260B	11/22/06 19:21	kcampigotto	Q19429
1,2-Dichlorobenzene	BRL	mg/kg	0.0058	0.00031	1	8260B	11/22/06 19:21	kcampigotto	Q19429
1,2-Dichloroethane	BRL	mg/kg	0.0058	0.00058	1	8260B	11/22/06 19:21	kcampigotto	Q19429
1,2-Dichloropropane	BRL	mg/kg	0.0058	0.00043	1	8260B	11/22/06 19:21	kcampigotto	Q19429
1,3,5-Trimethylbenzene	0.027	mg/kg	0.0058	0.00049	1	8260B	11/22/06 19:21	kcampigotto	Q19429
1,3-Dichlorobenzene	BRL	mg/kg	0.0058	0.0005	1	8260B	11/22/06 19:21	kcampigotto	Q19429
1,3-Dichloropropane	BRL	mg/kg	0.0058	0.00039	1	8260B	11/22/06 19:21	kcampigotto	Q19429
1,4-Dichlorobenzene	BRL	mg/kg	0.0058	0.00045	1	8260B	11/22/06 19:21	kcampigotto	Q19429
2,2-Dichloropropane	BRL	mg/kg	0.0058	0.00029	1	8260B	11/22/06 19:21	kcampigotto	Q19429
2-Chlorotoluene	BRL	mg/kg	0.0058	0.00043	1	8260B	11/22/06 19:21	kcampigotto	Q19429
2-Hexanone	BRL	mg/kg	0.058	0.0006	1	8260B	11/22/06 19:21	kcampigotto	Q19429

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215 Client Sample ID: 1XCAV1-12  
 Prism Sample ID: 166944  
 Project ID: DOT-Alamance-Burlington COC Group: G1106572  
 Project No.: WBS# 34911.1.1 Time Collected: 11/15/06 16:45  
 Sample Matrix: Soil Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	mg/kg	0.0058	0.0003	1	8260B	11/22/06 19:21	kcampigotto	Q19429
4-Methyl-2-pentanone (MIBK)	BRL	mg/kg	0.058	0.00058	1	8260B	11/22/06 19:21	kcampigotto	Q19429
Acetone	BRL	mg/kg	0.058	0.0023	1	8260B	11/22/06 19:21	kcampigotto	Q19429
Benzene	0.0033 J	mg/kg	0.0035	0.00046	1	8260B	11/22/06 19:21	kcampigotto	Q19429
Bromobenzene	BRL	mg/kg	0.0058	0.0004	1	8260B	11/22/06 19:21	kcampigotto	Q19429
Bromochloromethane	BRL	mg/kg	0.0058	0.00035	1	8260B	11/22/06 19:21	kcampigotto	Q19429
Bromodichloromethane	BRL	mg/kg	0.0058	0.00051	1	8260B	11/22/06 19:21	kcampigotto	Q19429
Bromoform	BRL	mg/kg	0.0058	0.00043	1	8260B	11/22/06 19:21	kcampigotto	Q19429
Bromomethane	BRL	mg/kg	0.012	0.00067	1	8260B	11/22/06 19:21	kcampigotto	Q19429
Carbon tetrachloride	BRL	mg/kg	0.0058	0.00034	1	8260B	11/22/06 19:21	kcampigotto	Q19429
Chlorobenzene	BRL	mg/kg	0.0058	0.00044	1	8260B	11/22/06 19:21	kcampigotto	Q19429
Chlorodibromomethane	BRL	mg/kg	0.0058	0.00039	1	8260B	11/22/06 19:21	kcampigotto	Q19429
Chloroethane	BRL	mg/kg	0.012	0.00047	1	8260B	11/22/06 19:21	kcampigotto	Q19429
Chloroform	BRL	mg/kg	0.0058	0.00043	1	8260B	11/22/06 19:21	kcampigotto	Q19429
Chloromethane	BRL	mg/kg	0.0058	0.0004	1	8260B	11/22/06 19:21	kcampigotto	Q19429
cis-1,2-Dichloroethene	BRL	mg/kg	0.0058	0.00025	1	8260B	11/22/06 19:21	kcampigotto	Q19429
cis-1,3-Dichloropropene	BRL	mg/kg	0.0058	0.00037	1	8260B	11/22/06 19:21	kcampigotto	Q19429
Dichlorodifluoromethane	BRL	mg/kg	0.0058	0.0013	1	8260B	11/22/06 19:21	kcampigotto	Q19429
Ethylbenzene	0.022	mg/kg	0.0058	0.0004	1	8260B	11/22/06 19:21	kcampigotto	Q19429
Isopropyl ether (IPE)	BRL	mg/kg	0.0058	0.0002	1	8260B	11/22/06 19:21	kcampigotto	Q19429
Isopropylbenzene	0.0037 J	mg/kg	0.0058	0.00046	1	8260B	11/22/06 19:21	kcampigotto	Q19429
m,p-Xylenes	0.088	mg/kg	0.012	0.00081	1	8260B	11/22/06 19:21	kcampigotto	Q19429
Methyl ethyl ketone (MEK)	BRL	mg/kg	0.12	0.0016	1	8260B	11/22/06 19:21	kcampigotto	Q19429
Methyl t-butyl ether (MTBE)	BRL	mg/kg	0.012	0.00034	1	8260B	11/22/06 19:21	kcampigotto	Q19429
Methylene chloride	0.027	mg/kg	0.0058	0.00047	1	8260B	11/22/06 19:21	kcampigotto	Q19429
n-Butylbenzene	0.018	mg/kg	0.0058	0.00046	1	8260B	11/22/06 19:21	kcampigotto	Q19429
n-Propylbenzene	0.013	mg/kg	0.0058	0.00035	1	8260B	11/22/06 19:21	kcampigotto	Q19429
Naphthalene	0.084	mg/kg	0.012	0.00067	1	8260B	11/22/06 19:21	kcampigotto	Q19429

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaul/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 1XCAV1-12  
 Prism Sample ID: 166944  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 16:45  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
o-Xylene	0.043	mg/kg	0.0058	0.00035	1	8260B	11/22/06 19:21	kcampigotto	Q19429
p-Isopropyltoluene	BRL	mg/kg	0.0058	0.00047	1	8260B	11/22/06 19:21	kcampigotto	Q19429
sec-Butylbenzene	0.0052 J	mg/kg	0.0058	0.00038	1	8260B	11/22/06 19:21	kcampigotto	Q19429
Styrene	BRL	mg/kg	0.0058	0.00058	1	8260B	11/22/06 19:21	kcampigotto	Q19429
tert-Butylbenzene	BRL	mg/kg	0.0058	0.00036	1	8260B	11/22/06 19:21	kcampigotto	Q19429
Tetrachloroethene	BRL	mg/kg	0.0058	0.00099	1	8260B	11/22/06 19:21	kcampigotto	Q19429
Toluene	0.047	mg/kg	0.0058	0.00039	1	8260B	11/22/06 19:21	kcampigotto	Q19429
trans-1,2-Dichloroethene	BRL	mg/kg	0.0058	0.00044	1	8260B	11/22/06 19:21	kcampigotto	Q19429
trans-1,3-Dichloropropene	BRL	mg/kg	0.0058	0.0004	1	8260B	11/22/06 19:21	kcampigotto	Q19429
Trichloroethene	BRL	mg/kg	0.0058	0.00035	1	8260B	11/22/06 19:21	kcampigotto	Q19429
Trichlorofluoromethane	BRL	mg/kg	0.0058	0.00047	1	8260B	11/22/06 19:21	kcampigotto	Q19429
Vinyl acetate	BRL	mg/kg	0.029	0.0021	1	8260B	11/22/06 19:21	kcampigotto	Q19429
Vinyl chloride	BRL	mg/kg	0.0058	0.00074	1	8260B	11/22/06 19:21	kcampigotto	Q19429

Surrogate	% Recovery	Control Limits
Bromofluorobenzene	105	77 - 128
Dibromofluoromethane	105	87 - 143
Toluene-d8	104	81 - 128

### Semi-volatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	BRL	mg/kg	0.42	0.071	1	8270C	11/29/06 11:18	kelliot	Q19517
1,2-Dichlorobenzene	BRL	mg/kg	0.42	0.058	1	8270C	11/29/06 11:18	kelliot	Q19517
1,3-Dichlorobenzene	BRL	mg/kg	0.42	0.044	1	8270C	11/29/06 11:18	kelliot	Q19517
1,4-Dichlorobenzene	BRL	mg/kg	0.42	0.035	1	8270C	11/29/06 11:18	kelliot	Q19517
2,4,5-Trichlorophenol	BRL	mg/kg	0.42	0.095	1	8270C	11/29/06 11:18	kelliot	Q19517
2,4,6-Trichlorophenol	BRL	mg/kg	0.42	0.090	1	8270C	11/29/06 11:18	kelliot	Q19517
2,4-Dichlorophenol	BRL	mg/kg	0.42	0.088	1	8270C	11/29/06 11:18	kelliot	Q19517
1,4-Dimethylphenol	BRL	mg/kg	0.42	0.082	1	8270C	11/29/06 11:18	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob ShauVEI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215 Client Sample ID: 1XCAV1-12  
 Prism Sample ID: 166944  
 Project ID: DOT-Alamance-Burlington COC Group: G1106572  
 Project No.: WBS# 34911.1.1 Time Collected: 11/15/06 16:45  
 Sample Matrix: Soil Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
2,4-Dinitrophenol	BRL	mg/kg	2.1	0.11	1	8270C	11/29/06 11:18	kelliot	Q19517
2,4-Dinitrotoluene	BRL	mg/kg	0.42	0.066	1	8270C	11/29/06 11:18	kelliot	Q19517
2,6-Dinitrotoluene	BRL	mg/kg	0.42	0.050	1	8270C	11/29/06 11:18	kelliot	Q19517
2-Chloronaphthalene	BRL	mg/kg	0.42	0.070	1	8270C	11/29/06 11:18	kelliot	Q19517
2-Chlorophenol	BRL	mg/kg	0.42	0.042	1	8270C	11/29/06 11:18	kelliot	Q19517
2-Methylnaphthalene	0.31 J	mg/kg	0.42	0.072	1	8270C	11/29/06 11:18	kelliot	Q19517
2-Methylphenol	BRL	mg/kg	0.42	0.068	1	8270C	11/29/06 11:18	kelliot	Q19517
2-Nitrophenol	BRL	mg/kg	0.42	0.054	1	8270C	11/29/06 11:18	kelliot	Q19517
3&4-Methylphenol	BRL	mg/kg	0.42	0.067	1	8270C	11/29/06 11:18	kelliot	Q19517
3,3'-Dichlorobenzidine	BRL	mg/kg	0.85	0.14	1	8270C	11/29/06 11:18	kelliot	Q19517
4,6-Dinitro-2-methylphenol	BRL	mg/kg	2.1	0.095	1	8270C	11/29/06 11:18	kelliot	Q19517
4-Bromophenylphenylether	BRL	mg/kg	0.42	0.071	1	8270C	11/29/06 11:18	kelliot	Q19517
4-Chloro-3-methylphenol	BRL	mg/kg	0.85	0.080	1	8270C	11/29/06 11:18	kelliot	Q19517
4-Chloroaniline	BRL	mg/kg	0.42	0.094	1	8270C	11/29/06 11:18	kelliot	Q19517
4-Chlorophenylphenylether	BRL	mg/kg	0.42	0.064	1	8270C	11/29/06 11:18	kelliot	Q19517
4-Nitrophenol	BRL	mg/kg	2.1	0.11	1	8270C	11/29/06 11:18	kelliot	Q19517
Acenaphthene	BRL	mg/kg	0.42	0.081	1	8270C	11/29/06 11:18	kelliot	Q19517
Acenaphthylene	BRL	mg/kg	0.42	0.080	1	8270C	11/29/06 11:18	kelliot	Q19517
Anthracene	BRL	mg/kg	0.42	0.051	1	8270C	11/29/06 11:18	kelliot	Q19517
Azobenzene	BRL	mg/kg	2.1	0.22	1	8270C	11/29/06 11:18	kelliot	Q19517
Benzo(a)anthracene	BRL	mg/kg	0.42	0.084	1	8270C	11/29/06 11:18	kelliot	Q19517
Benzo(a)pyrene	BRL	mg/kg	0.42	0.042	1	8270C	11/29/06 11:18	kelliot	Q19517
Benzo(b)fluoranthene	BRL	mg/kg	0.42	0.057	1	8270C	11/29/06 11:18	kelliot	Q19517
Benzo(g,h,i)perylene	BRL	mg/kg	0.42	0.098	1	8270C	11/29/06 11:18	kelliot	Q19517
Benzo(k)fluoranthene	BRL	mg/kg	0.42	0.050	1	8270C	11/29/06 11:18	kelliot	Q19517
Benzoic acid	BRL	mg/kg	2.1	0.18	1	8270C	11/29/06 11:18	kelliot	Q19517
Benzyl alcohol	BRL	mg/kg	0.85	0.070	1	8270C	11/29/06 11:18	kelliot	Q19517
Bis(2-chloroethoxy)methane	BRL	mg/kg	0.42	0.081	1	8270C	11/29/06 11:18	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaul/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 1XCAV1-12  
 Prism Sample ID: 166944  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 16:45  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-chloroethyl)ether	BRL	mg/kg	0.42	0.030	1	8270C	11/29/06 11:18	kelliot	Q19517
Bis(2-chloroisopropyl)ether	BRL	mg/kg	0.42	0.059	1	8270C	11/29/06 11:18	kelliot	Q19517
Bis(2-ethylhexyl)phthalate	BRL	mg/kg	0.42	0.046	1	8270C	11/29/06 11:18	kelliot	Q19517
Butylbenzylphthalate	BRL	mg/kg	0.42	0.044	1	8270C	11/29/06 11:18	kelliot	Q19517
Chrysene	BRL	mg/kg	0.42	0.080	1	8270C	11/29/06 11:18	kelliot	Q19517
Di-n-butylphthalate	BRL	mg/kg	0.42	0.058	1	8270C	11/29/06 11:18	kelliot	Q19517
Di-n-octylphthalate	BRL	mg/kg	0.42	0.073	1	8270C	11/29/06 11:18	kelliot	Q19517
Dibenzo(a,h)anthracene	BRL	mg/kg	0.42	0.10	1	8270C	11/29/06 11:18	kelliot	Q19517
Dibenzofuran	BRL	mg/kg	0.42	0.079	1	8270C	11/29/06 11:18	kelliot	Q19517
Diethylphthalate	BRL	mg/kg	0.42	0.042	1	8270C	11/29/06 11:18	kelliot	Q19517
Dimethylphthalate	BRL	mg/kg	0.42	0.058	1	8270C	11/29/06 11:18	kelliot	Q19517
Fluoranthene	BRL	mg/kg	0.42	0.051	1	8270C	11/29/06 11:18	kelliot	Q19517
Fluorene	BRL	mg/kg	0.42	0.080	1	8270C	11/29/06 11:18	kelliot	Q19517
Hexachlorobenzene	BRL	mg/kg	0.42	0.062	1	8270C	11/29/06 11:18	kelliot	Q19517
Hexachlorobutadiene	BRL	mg/kg	0.42	0.055	1	8270C	11/29/06 11:18	kelliot	Q19517
Hexachlorocyclopentadiene	BRL	mg/kg	0.42	0.098	1	8270C	11/29/06 11:18	kelliot	Q19517
Hexachloroethane	BRL	mg/kg	0.42	0.057	1	8270C	11/29/06 11:18	kelliot	Q19517
Indeno(1,2,3-cd)pyrene	BRL	mg/kg	0.42	0.11	1	8270C	11/29/06 11:18	kelliot	Q19517
Isophorone	BRL	mg/kg	0.42	0.079	1	8270C	11/29/06 11:18	kelliot	Q19517
N-Nitrosodl-n-propylamine	BRL	mg/kg	0.42	0.077	1	8270C	11/29/06 11:18	kelliot	Q19517
N-Nitrosodiphenylamine	BRL	mg/kg	0.42	0.062	1	8270C	11/29/06 11:18	kelliot	Q19517
Naphthalene	BRL	mg/kg	0.42	0.059	1	8270C	11/29/06 11:18	kelliot	Q19517
Nitrobenzene	BRL	mg/kg	0.42	0.077	1	8270C	11/29/06 11:18	kelliot	Q19517
Pentachlorophenol	BRL	mg/kg	2.1	0.055	1	8270C	11/29/06 11:18	kelliot	Q19517
Phenanthrene	BRL	mg/kg	0.42	0.048	1	8270C	11/29/06 11:18	kelliot	Q19517
Phenol	BRL	mg/kg	0.42	0.051	1	8270C	11/29/06 11:18	kelliot	Q19517
Pyrene	BRL	mg/kg	0.42	0.033	1	8270C	11/29/06 11:18	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane SL/Alamance Client Sample ID: 1XCAV1-12  
 Rd. Burlington, NC 27215 Prism Sample ID: 166944  
 Project ID: DOT-Alamance-Burlington COC Group: G1108572  
 Project No.: WBS# 34911.1.1 Time Collected: 11/15/06 16:45  
 Sample Matrix: Soil Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Sample Preparation: 29.76 g / 1 mL 3550B 11/28/06 7:00 dpope P16943

Surrogate	% Recovery	Control Limits
2,4,6-Tribromophenol	94	25 - 123
2-Fluorobiphenyl	95	21 - 108
2-Fluorophenol	76	14 - 89
Nitrobenzene-d5	97	14 - 103
Phenol-d5	74	13 - 95
Terphenyl-d14	114	41 - 136

### 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	13	12	1	MADEP EPH	11/30/06 13:31	grappaccioli	Q19505
C19-C36 Aliphatics	20	mg/kg	13	7.8	1	MADEP EPH	11/30/06 13:31	grappaccioli	Q19505
C9-C18 Aliphatics	57	mg/kg	13	11	1	MADEP EPH	11/30/06 13:31	grappaccioli	Q19505

\* Analysis Note for C11-C22 Aromatics: Adjusted value.

Sample Preparation: 9.91 g / 2 mL EPH 11/21/06 10:00 dpope P16905

Surrogate	% Recovery	Control Limits
1-Chloro-octadecane	111	40 - 140
2-Bromonaphthalene	126	40 - 140
2-Fluorobiphenyl	140	40 - 140
o-Terphenyl	93	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	8.9	4.5	1	MADEP VPH	11/28/06 11:33	erussell	Q19470
C9-C10 Aromatics	20	mg/kg	8.9	4.5	1	MADEP VPH	11/28/06 11:33	erussell	Q19470
C9-C12 Aliphatics	12	mg/kg	8.9	4.5	1	MADEP VPH	11/28/06 11:33	erussell	Q19470

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shau/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 1XCAV1-12  
 Prism Sample ID: 166944  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 16:45  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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- \* Analysis Note for C5-C8 Aliphatics: Adjusted value.
- \* Analysis Note for C9-C12 Aliphatics: Adjusted value.

Surrogate	% Recovery	Control Limits
2,5-Dibromotoluene-FID	116	70 - 130
2,5-Dibromotoluene-PID	105	70 - 130

**Sample Weight Determination**

Weight 1	5.74	g	1	MADEP VPH	11/21/06 0:00	ibrown
Weight 2	6.17	g	1	MADEP VPH	11/21/06 0:00	ibrown

**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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# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shau/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

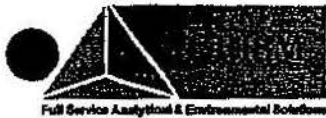
Project Name: S. Mebane St/Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 1XCAV2-12  
 Prism Sample ID: 166945  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1108572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 16:50  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Percent Solids Determination</b>									
Percent Solids	88.0	%			1	SM2540 G	11/20/06 15:20	sthao	
<b>Sample Weight Determination</b>									
Weight Bisulfate 1	6.04	g			1	5035	11/27/06 0:00	ibrown	
Weight Bisulfate 2	6.70	g			1	5035	11/27/06 0:00	ibrown	
<b>Volatile Organic Compounds by GC/MS</b>									
1,1,1-Trichloroethane	BRL	mg/kg	0.0047	0.00026	1	8260B	11/27/06 16:37	kcampigotto	Q19429
1,1,2,2-Tetrachloroethane	BRL	mg/kg	0.0047	0.00048	1	8260B	11/27/06 16:37	kcampigotto	Q19429
1,1,2-Trichloroethane	BRL	mg/kg	0.0047	0.00029	1	8260B	11/27/06 16:37	kcampigotto	Q19429
1,1-Dichloroethane	BRL	mg/kg	0.0047	0.00034	1	8260B	11/27/06 16:37	kcampigotto	Q19429
1,1-Dichloroethene	BRL	mg/kg	0.0047	0.00035	1	8260B	11/27/06 16:37	kcampigotto	Q19429
1,1-Dichloropropene	BRL	mg/kg	0.0047	0.00041	1	8260B	11/27/06 16:37	kcampigotto	Q19429
1,2,3-Trichlorobenzene	BRL	mg/kg	0.0047	0.00051	1	8260B	11/27/06 16:37	kcampigotto	Q19429
1,2,3-Trichloropropane	BRL	mg/kg	0.0047	0.00041	1	8260B	11/27/06 16:37	kcampigotto	Q19429
1,2,4-Trichlorobenzene	BRL	mg/kg	0.0047	0.00045	1	8260B	11/27/06 16:37	kcampigotto	Q19429
1,2,4-Trimethylbenzene	0.010	mg/kg	0.0047	0.00035	1	8260B	11/27/06 16:37	kcampigotto	Q19429
1,2-Dibromoethane (EDB)	BRL	mg/kg	0.0047	0.000084	1	8260B	11/27/06 16:37	kcampigotto	Q19429
1,2-Dichlorobenzene	BRL	mg/kg	0.0047	0.00025	1	8260B	11/27/06 16:37	kcampigotto	Q19429
1,2-Dichloroethane	BRL	mg/kg	0.0047	0.00047	1	8260B	11/27/06 16:37	kcampigotto	Q19429
1,2-Dichloropropane	BRL	mg/kg	0.0047	0.00035	1	8260B	11/27/06 16:37	kcampigotto	Q19429
1,3,5-Trimethylbenzene	0.0028 J	mg/kg	0.0047	0.00039	1	8260B	11/27/06 16:37	kcampigotto	Q19429
1,3-Dichlorobenzene	BRL	mg/kg	0.0047	0.0004	1	8260B	11/27/06 16:37	kcampigotto	Q19429
1,3-Dichloropropane	BRL	mg/kg	0.0047	0.00032	1	8260B	11/27/06 16:37	kcampigotto	Q19429
1,4-Dichlorobenzene	BRL	mg/kg	0.0047	0.00036	1	8260B	11/27/06 16:37	kcampigotto	Q19429
2,2-Dichloropropane	BRL	mg/kg	0.0047	0.00023	1	8260B	11/27/06 16:37	kcampigotto	Q19429
2-Chlorotoluene	BRL	mg/kg	0.0047	0.00035	1	8260B	11/27/06 16:37	kcampigotto	Q19429
2-Hexanone	BRL	mg/kg	0.047	0.00049	1	8260B	11/27/06 16:37	kcampigotto	Q19429

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebana SL/Alamance Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 Client Sample ID: 1XCAV2-12  
 Prism Sample ID: 166945  
 COC Group: G1108572  
 Time Collected: 11/15/06 16:50  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	mg/kg	0.0047	0.00024	1	8260B	11/27/06 16:37	kcampigotto	Q19429
4-Methyl-2-pentanone (MIBK)	BRL	mg/kg	0.047	0.00047	1	8260B	11/27/06 16:37	kcampigotto	Q19429
Acetone	BRL	mg/kg	0.047	0.0018	1	8260B	11/27/06 16:37	kcampigotto	Q19429
Benzene	BRL	mg/kg	0.0028	0.00037	1	8260B	11/27/06 16:37	kcampigotto	Q19429
Bromobenzene	BRL	mg/kg	0.0047	0.00033	1	8260B	11/27/06 16:37	kcampigotto	Q19429
Bromochloromethane	BRL	mg/kg	0.0047	0.00028	1	8260B	11/27/06 16:37	kcampigotto	Q19429
Bromodichloromethane	BRL	mg/kg	0.0047	0.00041	1	8260B	11/27/06 16:37	kcampigotto	Q19429
Bromoform	BRL	mg/kg	0.0047	0.00035	1	8260B	11/27/06 16:37	kcampigotto	Q19429
Bromomethane	BRL	mg/kg	0.0093	0.00054	1	8260B	11/27/06 16:37	kcampigotto	Q19429
Carbon tetrachloride	BRL	mg/kg	0.0047	0.00027	1	8260B	11/27/06 16:37	kcampigotto	Q19429
Chlorobenzene	BRL	mg/kg	0.0047	0.00035	1	8260B	11/27/06 16:37	kcampigotto	Q19429
Chlorodibromomethane	BRL	mg/kg	0.0047	0.00032	1	8260B	11/27/06 16:37	kcampigotto	Q19429
Chloroethane	BRL	mg/kg	0.0093	0.00038	1	8260B	11/27/06 16:37	kcampigotto	Q19429
Chloroform	BRL	mg/kg	0.0047	0.00035	1	8260B	11/27/06 16:37	kcampigotto	Q19429
Chloromethane	BRL	mg/kg	0.0047	0.00033	1	8260B	11/27/06 16:37	kcampigotto	Q19429
cis-1,2-Dichloroethene	BRL	mg/kg	0.0047	0.00021	1	8260B	11/27/06 16:37	kcampigotto	Q19429
cis-1,3-Dichloropropene	BRL	mg/kg	0.0047	0.0003	1	8260B	11/27/06 16:37	kcampigotto	Q19429
Dichlorodifluoromethane	BRL	mg/kg	0.0047	0.0010	1	8260B	11/27/06 16:37	kcampigotto	Q19429
Ethylbenzene	0.0025 J	mg/kg	0.0047	0.00033	1	8260B	11/27/06 16:37	kcampigotto	Q19429
Isopropyl ether (IPE)	BRL	mg/kg	0.0047	0.00016	1	8260B	11/27/06 16:37	kcampigotto	Q19429
Isopropylbenzene	BRL	mg/kg	0.0047	0.00037	1	8260B	11/27/06 16:37	kcampigotto	Q19429
m,p-Xylenes	0.0088 J	mg/kg	0.0093	0.00065	1	8260B	11/27/06 16:37	kcampigotto	Q19429
Methyl ethyl ketone (MEK)	BRL	mg/kg	0.093	0.0013	1	8260B	11/27/06 16:37	kcampigotto	Q19429
Methyl t-butyl ether (MTBE)	BRL	mg/kg	0.0093	0.00027	1	8260B	11/27/06 16:37	kcampigotto	Q19429
Methylene chloride	BRL	mg/kg	0.0047	0.00038	1	8260B	11/27/06 16:37	kcampigotto	Q19429
n-Butylbenzene	BRL	mg/kg	0.0047	0.00037	1	8260B	11/27/06 16:37	kcampigotto	Q19429
n-Propylbenzene	BRL	mg/kg	0.0047	0.00028	1	8260B	11/27/06 16:37	kcampigotto	Q19429
Naphthalene	0.014	mg/kg	0.0093	0.00054	1	8260B	11/27/06 16:37	kcampigotto	Q19429

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

# Laboratory Report

12/05/08

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St/Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 1XCAV2-12  
 Prism Sample ID: 166945  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 16:50  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
o-Xylene	0.0043 J	mg/kg	0.0047	0.00028	1	8260B	11/27/06 16:37	kcampigotto	Q19429
p-Isopropyltoluene	BRL	mg/kg	0.0047	0.00038	1	8260B	11/27/06 16:37	kcampigotto	Q19429
sec-Butylbenzene	BRL	mg/kg	0.0047	0.00031	1	8260B	11/27/06 16:37	kcampigotto	Q19429
Styrene	BRL	mg/kg	0.0047	0.00047	1	8260B	11/27/06 16:37	kcampigotto	Q19429
tert-Butylbenzene	BRL	mg/kg	0.0047	0.00029	1	8260B	11/27/06 16:37	kcampigotto	Q19429
Tetrachloroethene	BRL	mg/kg	0.0047	0.0008	1	8260B	11/27/06 16:37	kcampigotto	Q19429
Toluene	0.0029 J	mg/kg	0.0047	0.00032	1	8260B	11/27/06 16:37	kcampigotto	Q19429
trans-1,2-Dichloroethene	BRL	mg/kg	0.0047	0.00035	1	8260B	11/27/06 16:37	kcampigotto	Q19429
trans-1,3-Dichloropropene	BRL	mg/kg	0.0047	0.00033	1	8260B	11/27/06 16:37	kcampigotto	Q19429
Trichloroethene	BRL	mg/kg	0.0047	0.00028	1	8260B	11/27/06 16:37	kcampigotto	Q19429
Trichlorofluoromethane	BRL	mg/kg	0.0047	0.00038	1	8260B	11/27/06 16:37	kcampigotto	Q19429
Vinyl acetate	BRL	mg/kg	0.023	0.0017	1	8260B	11/27/06 16:37	kcampigotto	Q19429
Vinyl chloride	BRL	mg/kg	0.0047	0.0006	1	8260B	11/27/06 16:37	kcampigotto	Q19429

Surrogate	% Recovery	Control Limits
Bromofluorobenzene	99	77 - 128
Dibromofluoromethane	103	67 - 143
Toluene-d8	99	81 - 128

### Semi-volatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	BRL	mg/kg	0.41	0.068	1	8270C	11/29/06 12:09	kellot	Q19517
1,2-Dichlorobenzene	BRL	mg/kg	0.41	0.056	1	8270C	11/29/06 12:09	kellot	Q19517
1,3-Dichlorobenzene	BRL	mg/kg	0.41	0.042	1	8270C	11/29/06 12:09	kellot	Q19517
1,4-Dichlorobenzene	BRL	mg/kg	0.41	0.034	1	8270C	11/29/06 12:09	kellot	Q19517
2,4,5-Trichlorophenol	BRL	mg/kg	0.41	0.092	1	8270C	11/29/06 12:09	kellot	Q19517
2,4,6-Trichlorophenol	BRL	mg/kg	0.41	0.087	1	8270C	11/29/06 12:09	kellot	Q19517
2,4-Dichlorophenol	BRL	mg/kg	0.41	0.084	1	8270C	11/29/06 12:09	kellot	Q19517
2,4-Dimethylphenol	BRL	mg/kg	0.41	0.079	1	8270C	11/29/06 12:09	kellot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St/Alamance Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 Client Sample ID: 1XCAV2-12  
 Prism Sample ID: 166945  
 COC Group: G1106572  
 Time Collected: 11/15/06 16:50  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Data/Time	Analyst	Batch ID
2,4-Dinitrophenol	BRL	mg/kg	2.0	0.10	1	8270C	11/29/06 12:09	kelliot	Q19517
2,4-Dinitrotoluene	BRL	mg/kg	0.41	0.063	1	8270C	11/29/06 12:09	kelliot	Q19517
2,6-Dinitrotoluene	BRL	mg/kg	0.41	0.048	1	8270C	11/29/06 12:09	kelliot	Q19517
2-Chloronaphthalene	BRL	mg/kg	0.41	0.087	1	8270C	11/29/06 12:09	kelliot	Q19517
2-Chlorophenol	BRL	mg/kg	0.41	0.041	1	8270C	11/29/06 12:09	kelliot	Q19517
2-Methylnaphthalene	BRL	mg/kg	0.41	0.070	1	8270C	11/29/06 12:09	kelliot	Q19517
2-Methylphenol	BRL	mg/kg	0.41	0.066	1	8270C	11/29/06 12:09	kelliot	Q19517
2-Nitrophenol	BRL	mg/kg	0.41	0.052	1	8270C	11/29/06 12:09	kelliot	Q19517
3&4-Methylphenol	BRL	mg/kg	0.41	0.065	1	8270C	11/29/06 12:09	kelliot	Q19517
3,3'-Dichlorobenzidine	BRL	mg/kg	0.82	0.14	1	8270C	11/29/06 12:09	kelliot	Q19517
4,6-Dinitro-2-methylphenol	BRL	mg/kg	2.0	0.092	1	8270C	11/29/06 12:09	kelliot	Q19517
4-Bromophenylphenylether	BRL	mg/kg	0.41	0.068	1	8270C	11/29/06 12:09	kelliot	Q19517
4-Chloro-3-methylphenol	BRL	mg/kg	0.82	0.077	1	8270C	11/29/06 12:09	kelliot	Q19517
4-Chloroaniline	BRL	mg/kg	0.41	0.091	1	8270C	11/29/06 12:09	kelliot	Q19517
4-Chlorophenylphenylether	BRL	mg/kg	0.41	0.062	1	8270C	11/29/06 12:09	kelliot	Q19517
4-Nitrophenol	BRL	mg/kg	2.0	0.10	1	8270C	11/29/06 12:09	kelliot	Q19517
Acenaphthene	BRL	mg/kg	0.41	0.078	1	8270C	11/29/06 12:09	kelliot	Q19517
Acenaphthylene	BRL	mg/kg	0.41	0.077	1	8270C	11/29/06 12:09	kelliot	Q19517
Anthracene	BRL	mg/kg	0.41	0.050	1	8270C	11/29/06 12:09	kelliot	Q19517
Azobenzene	BRL	mg/kg	2.0	0.21	1	8270C	11/29/06 12:09	kelliot	Q19517
Benzo(a)anthracene	BRL	mg/kg	0.41	0.081	1	8270C	11/29/06 12:09	kelliot	Q19517
Benzo(a)pyrene	BRL	mg/kg	0.41	0.041	1	8270C	11/29/06 12:09	kelliot	Q19517
Benzo(b)fluoranthene	BRL	mg/kg	0.41	0.055	1	8270C	11/29/06 12:09	kelliot	Q19517
Benzo(g,h,i)perylene	BRL	mg/kg	0.41	0.094	1	8270C	11/29/06 12:09	kelliot	Q19517
Benzo(k)fluoranthene	BRL	mg/kg	0.41	0.048	1	8270C	11/29/06 12:09	kelliot	Q19517
Benzoic acid	BRL	mg/kg	2.0	0.17	1	8270C	11/29/06 12:09	kelliot	Q19517
Benzyl alcohol	BRL	mg/kg	0.82	0.067	1	8270C	11/29/06 12:09	kelliot	Q19517
Bis(2-chloroethoxy)methane	BRL	mg/kg	0.41	0.078	1	8270C	11/29/06 12:09	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaur/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27580

Project Name: S. Mebane SL/Alamance Client Sample ID: 1XCAV2-12  
 Rd. Burlington, NC 27215 Prism Sample ID: 166945  
 Project ID: DOT-Alamance-Burlington COC Group: G1106572  
 Project No.: WBS# 34911.1.1 Time Collected: 11/15/06 18:50  
 Sample Matrix: Soil Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-chloroethyl)ether	BRL	mg/kg	0.41	0.029	1	8270C	11/29/06 12:09	kelliot	Q19517
Bis(2-chloroisopropyl)ether	BRL	mg/kg	0.41	0.057	1	8270C	11/29/06 12:09	kelliot	Q19517
Bis(2-ethylhexyl)phthalate	BRL	mg/kg	0.41	0.045	1	8270C	11/29/06 12:09	kelliot	Q19517
Butylbenzylphthalate	BRL	mg/kg	0.41	0.042	1	8270C	11/29/06 12:09	kelliot	Q19517
Chrysene	BRL	mg/kg	0.41	0.077	1	8270C	11/29/06 12:09	kelliot	Q19517
Di-n-butylphthalate	BRL	mg/kg	0.41	0.056	1	8270C	11/29/06 12:09	kelliot	Q19517
Di-n-octylphthalate	BRL	mg/kg	0.41	0.071	1	8270C	11/29/06 12:09	kelliot	Q19517
Dibenzo(a,h)anthracene	BRL	mg/kg	0.41	0.097	1	8270C	11/29/06 12:09	kelliot	Q19517
Dibenzofuran	BRL	mg/kg	0.41	0.076	1	8270C	11/29/06 12:09	kelliot	Q19517
Diethylphthalate	BRL	mg/kg	0.41	0.041	1	8270C	11/29/06 12:09	kelliot	Q19517
Dimethylphthalate	BRL	mg/kg	0.41	0.056	1	8270C	11/29/06 12:09	kelliot	Q19517
Fluoranthene	0.13 J	mg/kg	0.41	0.050	1	8270C	11/29/06 12:09	kelliot	Q19517
Fluorene	BRL	mg/kg	0.41	0.077	1	8270C	11/29/06 12:09	kelliot	Q19517
Hexachlorobenzene	BRL	mg/kg	0.41	0.060	1	8270C	11/29/06 12:09	kelliot	Q19517
Hexachlorobutadiene	BRL	mg/kg	0.41	0.053	1	8270C	11/29/06 12:09	kelliot	Q19517
Hexachlorocyclopentadiene	BRL	mg/kg	0.41	0.094	1	8270C	11/29/06 12:09	kelliot	Q19517
Hexachloroethane	BRL	mg/kg	0.41	0.055	1	8270C	11/29/06 12:09	kelliot	Q19517
Indeno(1,2,3-cd)pyrene	BRL	mg/kg	0.41	0.10	1	8270C	11/29/06 12:09	kelliot	Q19517
Isophorone	BRL	mg/kg	0.41	0.076	1	8270C	11/29/06 12:09	kelliot	Q19517
N-Nitrosodi-n-propylamine	BRL	mg/kg	0.41	0.075	1	8270C	11/29/06 12:09	kelliot	Q19517
N-Nitrosodiphenylamine	BRL	mg/kg	0.41	0.060	1	8270C	11/29/06 12:09	kelliot	Q19517
Naphthalene	BRL	mg/kg	0.41	0.057	1	8270C	11/29/06 12:09	kelliot	Q19517
Nitrobenzene	BRL	mg/kg	0.41	0.075	1	8270C	11/29/06 12:09	kelliot	Q19517
Pentachlorophenol	BRL	mg/kg	2.0	0.053	1	8270C	11/29/06 12:09	kelliot	Q19517
Phenanthrene	0.11 J	mg/kg	0.41	0.046	1	8270C	11/29/06 12:09	kelliot	Q19517
Phenol	BRL	mg/kg	0.41	0.050	1	8270C	11/29/06 12:09	kelliot	Q19517
Pyrene	0.12 J	mg/kg	0.41	0.032	1	8270C	11/29/06 12:09	kelliot	Q19517

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

# Laboratory Report

12/05/08

N. C. Department of Transportation  
 Attn: Bob Shaul/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 1XCAV2-12  
 Prism Sample ID: 166945  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 16:50  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Sample Preparation: 30.2 g / 1 mL 3550B 11/28/06 7:00 dpope P16943

Surrogate	% Recovery	Control Limits
2-Fluorophenol	66	14 - 89
Nitrobenzene-d5	83	14 - 103
Phenol-d5	72	13 - 95
Terphenyl-d14	119	41 - 136
2,4,6-Tribromophenol	101	25 - 123
2-Fluorobiphenyl	90	21 - 108

### Extractable Petroleum Hydrocarbons by GC-FID

C11-C22 Aromatics	BRL	mg/kg	12	12	1	MADEP EPH	11/30/06 15:14	grappaccolli	Q19505
C19-C36 Aliphatics	BRL	mg/kg	12	7.5	1	MADEP EPH	11/30/06 15:14	grappaccolli	Q19505
C9-C18 Aliphatics	BRL	mg/kg	12	11	1	MADEP EPH	11/30/06 15:14	grappaccolli	Q19505

\* Analysis Note for C11-C22 Aromatics: Adjusted value.

Sample Preparation: 10.2 g / 2 mL EPH 11/21/06 10:00 dpope P16905

Surrogate	% Recovery	Control Limits
1-Chloro-octadecane	86	40 - 140
2-Bromonaphthalene	76	40 - 140
2-Fluorobiphenyl	98	40 - 140
o-Terphenyl	89	40 - 140

### Volatile Petroleum Hydrocarbons by GC-PID/FID

C5-C8 Aliphatics	BRL	mg/kg	8.8	4.4	1	MADEP VPH	11/28/06 14:10	erussell	Q19470
C9-C10 Aromatics	BRL	mg/kg	8.8	4.4	1	MADEP VPH	11/28/06 14:10	erussell	Q19470
C9-C12 Aliphatics	BRL	mg/kg	8.8	4.4	1	MADEP VPH	11/28/06 14:10	erussell	Q19470

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

# Laboratory Report

12/05/08

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 1XCAV2-12  
 Prism Sample ID: 166945  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 16:50  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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- \* Analysis Note for C5-C8 Aliphatics: Adjusted value.
- \* Analysis Note for C9-C12 Aliphatics: Adjusted value.

Surrogate	% Recovery	Control Limits
2,5-Dibromotoluene-FID	99	70 - 130
2,5-Dibromotoluene-PID	94	70 - 130

**Sample Weight Determination**

Weight 1	5.86	g	1	MADEP VPH	11/21/06 0:00	lbrown
Weight 2	6.54	g	1	MADEP VPH	11/21/06 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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# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shauf/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane SL/Alamance Client Sample ID: 1XCAV3-11  
 Rd. Burlington, NC 27215 Prism Sample ID: 166946  
 Project ID: DOT-Alamance-Burlington COC Group: G1106572  
 Project No.: WBS# 34911.1.1 Time Collected: 11/15/06 16:55  
 Sample Matrix: Soil Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Percent Solids Determination</b>									
Percent Solids	84.8	%			1	SM2540 G	11/20/06 15:20	athao	
<b>Sample Weight Determination</b>									
Weight Bisulfate 1	6.19	g			1	5035	11/27/06 0:00	brown	
Weight Bisulfate 2	6.33	g			1	5035	11/27/06 0:00	brown	
<b>Volatile Organic Compounds by GC/MS</b>									
1,1,1-Trichloroethane	BRL	mg/kg	0.0048	0.00027	1	8260B	11/28/06 0:56	erussell	Q19447
1,1,2,2-Tetrachloroethane	BRL	mg/kg	0.0048	0.00049	1	8260B	11/28/06 0:56	erussell	Q19447
1,1,2-Trichloroethane	BRL	mg/kg	0.0048	0.0003	1	8260B	11/28/06 0:56	erussell	Q19447
1,1-Dichloroethane	BRL	mg/kg	0.0048	0.00034	1	8260B	11/28/06 0:56	erussell	Q19447
1,1-Dichloroethene	BRL	mg/kg	0.0048	0.00036	1	8260B	11/28/06 0:56	erussell	Q19447
1,1-Dichloropropene	BRL	mg/kg	0.0048	0.00042	1	8260B	11/28/06 0:56	erussell	Q19447
1,2,3-Trichlorobenzene	BRL	mg/kg	0.0048	0.00053	1	8260B	11/28/06 0:56	erussell	Q19447
1,2,3-Trichloropropane	BRL	mg/kg	0.0048	0.00042	1	8260B	11/28/06 0:56	erussell	Q19447
1,2,4-Trichlorobenzene	BRL	mg/kg	0.0048	0.00046	1	8260B	11/28/06 0:56	erussell	Q19447
1,2,4-Trimethylbenzene	BRL	mg/kg	0.0048	0.00036	1	8260B	11/28/06 0:56	erussell	Q19447
1,2-Dibromoethane (EDB)	BRL	mg/kg	0.0048	0.000086	1	8260B	11/28/06 0:56	erussell	Q19447
1,2-Dichlorobenzene	BRL	mg/kg	0.0048	0.00026	1	8260B	11/28/06 0:56	erussell	Q19447
1,2-Dichloroethane	BRL	mg/kg	0.0048	0.00048	1	8260B	11/28/06 0:56	erussell	Q19447
1,2-Dichloropropane	BRL	mg/kg	0.0048	0.00035	1	8260B	11/28/06 0:56	erussell	Q19447
1,3,5-Trimethylbenzene	BRL	mg/kg	0.0048	0.0004	1	8260B	11/28/06 0:56	erussell	Q19447
1,3-Dichlorobenzene	BRL	mg/kg	0.0048	0.00041	1	8260B	11/28/06 0:56	erussell	Q19447
1,3-Dichloropropane	BRL	mg/kg	0.0048	0.00032	1	8260B	11/28/06 0:56	erussell	Q19447
1,4-Dichlorobenzene	BRL	mg/kg	0.0048	0.00037	1	8260B	11/28/06 0:56	erussell	Q19447
2,2-Dichloropropane	BRL	mg/kg	0.0048	0.00024	1	8260B	11/28/06 0:56	erussell	Q19447
2-Chlorotoluene	BRL	mg/kg	0.0048	0.00035	1	8260B	11/28/06 0:56	erussell	Q19447
2-Hexanone	BRL	mg/kg	0.048	0.0005	1	8260B	11/28/06 0:56	erussell	Q19447

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
Attn: Bob Shaut/EI  
c/o Environmental Investigations, Inc  
2101 Gateway Centre Blvd. Ste 200  
Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215 Client Sample ID: 1XCAV3-11  
Prism Sample ID: 166946  
Project ID: DOT-Alamance-Burlington COC Group: G1106572  
Project No.: WBS# 34911.1.1 Time Collected: 11/15/06 16:55  
Sample Matrix: Soil Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	mg/kg	0.0048	0.00025	1	8260B	11/28/06 0:56	erussell	Q19447
4-Methyl-2-pentanone (MIBK)	BRL	mg/kg	0.048	0.00048	1	8260B	11/28/06 0:56	erussell	Q19447
Acetone	BRL	mg/kg	0.048	0.0019	1	8260B	11/28/06 0:56	erussell	Q19447
Benzene	BRL	mg/kg	0.0029	0.00038	1	8260B	11/28/06 0:56	erussell	Q19447
Bromobenzene	BRL	mg/kg	0.0048	0.00033	1	8260B	11/28/06 0:56	erussell	Q19447
Bromochloromethane	BRL	mg/kg	0.0048	0.00029	1	8260B	11/28/06 0:56	erussell	Q19447
Bromodichloromethane	BRL	mg/kg	0.0048	0.00042	1	8260B	11/28/06 0:56	erussell	Q19447
Bromoform	BRL	mg/kg	0.0048	0.00035	1	8260B	11/28/06 0:56	erussell	Q19447
Bromomethane	BRL	mg/kg	0.0095	0.00055	1	8260B	11/28/06 0:56	erussell	Q19447
Carbon tetrachloride	BRL	mg/kg	0.0048	0.00028	1	8260B	11/28/06 0:56	erussell	Q19447
Chlorobenzene	BRL	mg/kg	0.0048	0.00036	1	8260B	11/28/06 0:56	erussell	Q19447
Chlorodibromomethane	BRL	mg/kg	0.0048	0.00032	1	8260B	11/28/06 0:56	erussell	Q19447
Chloroethane	BRL	mg/kg	0.0095	0.00039	1	8260B	11/28/06 0:56	erussell	Q19447
Chloroform	BRL	mg/kg	0.0048	0.00035	1	8260B	11/28/06 0:56	erussell	Q19447
Chloromethane	BRL	mg/kg	0.0048	0.00033	1	8260B	11/28/06 0:56	erussell	Q19447
cis-1,2-Dichloroethene	BRL	mg/kg	0.0048	0.00021	1	8260B	11/28/06 0:56	erussell	Q19447
cis-1,3-Dichloropropene	BRL	mg/kg	0.0048	0.00031	1	8260B	11/28/06 0:56	erussell	Q19447
Dichlorodifluoromethane	BRL	mg/kg	0.0048	0.0011	1	8260B	11/28/06 0:56	erussell	Q19447
Ethylbenzene	BRL	mg/kg	0.0048	0.00033	1	8260B	11/28/06 0:56	erussell	Q19447
Isopropyl ether (IPE)	BRL	mg/kg	0.0048	0.00018	1	8260B	11/28/06 0:56	erussell	Q19447
Isopropylbenzene	BRL	mg/kg	0.0048	0.00038	1	8260B	11/28/06 0:56	erussell	Q19447
m,p-Xylenes	BRL	mg/kg	0.0095	0.00067	1	8260B	11/28/06 0:56	erussell	Q19447
Methyl ethyl ketone (MEK)	BRL	mg/kg	0.095	0.0013	1	8260B	11/28/06 0:56	erussell	Q19447
Methyl t-butyl ether (MTBE)	BRL	mg/kg	0.0095	0.00028	1	8260B	11/28/06 0:56	erussell	Q19447
Methylene chloride	BRL	mg/kg	0.0048	0.00039	1	8260B	11/28/06 0:56	erussell	Q19447
n-Butylbenzene	BRL	mg/kg	0.0048	0.00038	1	8260B	11/28/06 0:56	erussell	Q19447
n-Propylbenzene	BRL	mg/kg	0.0048	0.00029	1	8260B	11/28/06 0:56	erussell	Q19447
Naphthalene	BRL	mg/kg	0.0095	0.00055	1	8260B	11/28/06 0:56	erussell	Q19447

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shau/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 Client Sample ID: 1XCAV3-11  
 Prism Sample ID: 166946  
 COC Group: G1106572  
 Time Collected: 11/15/06 16:55  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
o-Xylene	BRL	mg/kg	0.0048	0.00029	1	8260B	11/28/06 0:56	erussell	Q19447
p-Isopropyltoluene	BRL	mg/kg	0.0048	0.00039	1	8260B	11/28/06 0:56	erussell	Q19447
sec-Butylbenzene	BRL	mg/kg	0.0048	0.00032	1	8260B	11/28/06 0:56	erussell	Q19447
Styrene	BRL	mg/kg	0.0048	0.00048	1	8260B	11/28/06 0:56	erussell	Q19447
tert-Butylbenzene	BRL	mg/kg	0.0048	0.0003	1	8260B	11/28/06 0:56	erussell	Q19447
Tetrachloroethene	BRL	mg/kg	0.0048	0.00082	1	8260B	11/28/06 0:56	erussell	Q19447
Toluene	BRL	mg/kg	0.0048	0.00032	1	8260B	11/28/06 0:56	erussell	Q19447
trans-1,2-Dichloroethene	BRL	mg/kg	0.0048	0.00036	1	8260B	11/28/06 0:56	erussell	Q19447
trans-1,3-Dichloropropene	BRL	mg/kg	0.0048	0.00033	1	8260B	11/28/06 0:56	erussell	Q19447
Trichloroethene	BRL	mg/kg	0.0048	0.00029	1	8260B	11/28/06 0:56	erussell	Q19447
Trichlorofluoromethane	BRL	mg/kg	0.0048	0.00039	1	8260B	11/28/06 0:56	erussell	Q19447
Vinyl acetate	BRL	mg/kg	0.024	0.0017	1	8260B	11/28/06 0:56	erussell	Q19447
Vinyl chloride	BRL	mg/kg	0.0048	0.00061	1	8260B	11/28/06 0:56	erussell	Q19447

Surrogate	% Recovery	Control Limits
Bromofluorobenzene	104	77 - 128
Dibromofluoromethane	102	67 - 143
Toluene-d8	97	81 - 128

**Semi-volatile Organic Compounds by GC/MS**

1,2,4-Trichlorobenzene	BRL	mg/kg	0.39	0.065	1	8270C	11/29/06 14:09	keillot	Q19517
1,2-Dichlorobenzene	BRL	mg/kg	0.39	0.053	1	8270C	11/29/06 14:09	keillot	Q19517
1,3-Dichlorobenzene	BRL	mg/kg	0.39	0.040	1	8270C	11/29/06 14:09	keillot	Q19517
1,4-Dichlorobenzene	BRL	mg/kg	0.39	0.032	1	8270C	11/29/06 14:09	keillot	Q19517
2,4,5-Trichlorophenol	BRL	mg/kg	0.39	0.088	1	8270C	11/29/06 14:09	keillot	Q19517
2,4,6-Trichlorophenol	BRL	mg/kg	0.39	0.083	1	8270C	11/29/06 14:09	keillot	Q19517
2,4-Dichlorophenol	BRL	mg/kg	0.39	0.081	1	8270C	11/29/06 14:09	keillot	Q19517
2,4-Dimethylphenol	BRL	mg/kg	0.39	0.076	1	8270C	11/29/06 14:09	keillot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Sta 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215 Client Sample ID: 1XCAV3-11  
 Prism Sample ID: 165946  
 Project ID: DOT-Alamance-Burlington COC Group: G1106572  
 Project No.: WBS# 34911.1.1 Time Collected: 11/15/06 16:55  
 Sample Matrix: Soil Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
2,4-Dinitrophenol	BRL	mg/kg	2.0	0.097	1	8270C	11/29/06 14:09	kelliot	Q19517
2,4-Dinitrotoluene	BRL	mg/kg	0.39	0.061	1	8270C	11/29/06 14:09	kelliot	Q19517
2,6-Dinitrotoluene	BRL	mg/kg	0.39	0.046	1	8270C	11/29/06 14:09	kelliot	Q19517
2-Chloronaphthalene	BRL	mg/kg	0.39	0.064	1	8270C	11/29/06 14:09	kelliot	Q19517
2-Chlorophenol	BRL	mg/kg	0.39	0.039	1	8270C	11/29/06 14:09	kelliot	Q19517
2-Methylnaphthalene	BRL	mg/kg	0.39	0.066	1	8270C	11/29/06 14:09	kelliot	Q19517
2-Methylphenol	BRL	mg/kg	0.39	0.063	1	8270C	11/29/06 14:09	kelliot	Q19517
2-Nitrophenol	BRL	mg/kg	0.39	0.050	1	8270C	11/29/06 14:09	kelliot	Q19517
3&4-Methylphenol	BRL	mg/kg	0.39	0.062	1	8270C	11/29/06 14:09	kelliot	Q19517
3,3'-Dichlorobenzidine	BRL	mg/kg	0.78	0.13	1	8270C	11/29/06 14:09	kelliot	Q19517
4,6-Dinitro-2-methylphenol	BRL	mg/kg	2.0	0.088	1	8270C	11/29/06 14:09	kelliot	Q19517
4-Bromophenylphenylether	BRL	mg/kg	0.39	0.065	1	8270C	11/29/06 14:09	kelliot	Q19517
4-Chloro-3-methylphenol	BRL	mg/kg	0.78	0.074	1	8270C	11/29/06 14:09	kelliot	Q19517
4-Chloroaniline	BRL	mg/kg	0.39	0.087	1	8270C	11/29/06 14:09	kelliot	Q19517
4-Chlorophenylphenylether	BRL	mg/kg	0.39	0.069	1	8270C	11/29/06 14:09	kelliot	Q19517
4-Nitrophenol	BRL	mg/kg	2.0	0.097	1	8270C	11/29/06 14:09	kelliot	Q19517
Acenaphthene	BRL	mg/kg	0.39	0.075	1	8270C	11/29/06 14:09	kelliot	Q19517
Acenaphthylene	BRL	mg/kg	0.39	0.074	1	8270C	11/29/06 14:09	kelliot	Q19517
Anthracene	BRL	mg/kg	0.39	0.047	1	8270C	11/29/06 14:09	kelliot	Q19517
Azobenzene	BRL	mg/kg	2.0	0.20	1	8270C	11/29/06 14:09	kelliot	Q19517
Benzo(a)anthracene	BRL	mg/kg	0.39	0.077	1	8270C	11/29/06 14:09	kelliot	Q19517
Benzo(a)pyrene	BRL	mg/kg	0.39	0.039	1	8270C	11/29/06 14:09	kelliot	Q19517
Benzo(b)fluoranthene	BRL	mg/kg	0.39	0.052	1	8270C	11/29/06 14:09	kelliot	Q19517
Benzo(g,h,i)perylene	BRL	mg/kg	0.39	0.090	1	8270C	11/29/06 14:09	kelliot	Q19517
Benzo(k)fluoranthene	BRL	mg/kg	0.39	0.046	1	8270C	11/29/06 14:09	kelliot	Q19517
Benzoic acid	BRL	mg/kg	2.0	0.17	1	8270C	11/29/06 14:09	kelliot	Q19517
Benzyl alcohol	BRL	mg/kg	0.78	0.064	1	8270C	11/29/06 14:09	kelliot	Q19517
Bis(2-chloroethoxy)methane	BRL	mg/kg	0.39	0.075	1	8270C	11/29/06 14:09	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shau/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane SL/Alamance Client Sample ID: 1XCAV3-11  
 Rd. Burlington, NC 27215 Prism Sample ID: 166946  
 Project ID: DOT-Alamance-Burlington COC Group: G1106572  
 Project No.: WBS# 34911.1.1 Time Collected: 11/15/06 16:55  
 Sample Matrix: Soil Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-chloroethyl)ether	BRL	mg/kg	0.39	0.027	1	8270C	11/29/06 14:09	kelllot	Q19517
Bis(2-chloroisopropyl)ether	BRL	mg/kg	0.39	0.055	1	8270C	11/29/06 14:09	kelllot	Q19517
Bis(2-ethylhexyl)phthalate	BRL	mg/kg	0.39	0.043	1	8270C	11/29/06 14:09	kelllot	Q19517
Butylbenzylphthalate	BRL	mg/kg	0.39	0.040	1	8270C	11/29/06 14:09	kelllot	Q19517
Chrysene	BRL	mg/kg	0.39	0.074	1	8270C	11/29/06 14:09	kelllot	Q19517
Di-n-butylphthalate	BRL	mg/kg	0.39	0.053	1	8270C	11/29/06 14:09	kelllot	Q19517
Di-n-octylphthalate	BRL	mg/kg	0.39	0.068	1	8270C	11/29/06 14:09	kelllot	Q19517
Dibenzo(a,h)anthracene	BRL	mg/kg	0.39	0.093	1	8270C	11/29/06 14:09	kelllot	Q19517
Dibenzofuran	BRL	mg/kg	0.39	0.072	1	8270C	11/29/06 14:09	kelllot	Q19517
Diethylphthalate	BRL	mg/kg	0.39	0.039	1	8270C	11/29/06 14:09	kelllot	Q19517
Dimethylphthalate	BRL	mg/kg	0.39	0.053	1	8270C	11/29/06 14:09	kelllot	Q19517
Fluoranthene	BRL	mg/kg	0.39	0.047	1	8270C	11/29/06 14:09	kelllot	Q19517
Fluorene	BRL	mg/kg	0.39	0.074	1	8270C	11/29/06 14:09	kelllot	Q19517
Hexachlorobenzene	BRL	mg/kg	0.39	0.057	1	8270C	11/29/06 14:09	kelllot	Q19517
Hexachlorobutadiene	BRL	mg/kg	0.39	0.051	1	8270C	11/29/06 14:09	kelllot	Q19517
Hexachlorocyclopentadiene	BRL	mg/kg	0.39	0.090	1	8270C	11/29/06 14:09	kelllot	Q19517
Hexachloroethane	BRL	mg/kg	0.39	0.052	1	8270C	11/29/06 14:09	kelllot	Q19517
Indeno(1,2,3-cd)pyrene	BRL	mg/kg	0.39	0.10	1	8270C	11/29/06 14:09	kelllot	Q19517
Isophorone	BRL	mg/kg	0.39	0.072	1	8270C	11/29/06 14:09	kelllot	Q19517
N-Nitrosodl-n-propylamine	BRL	mg/kg	0.39	0.071	1	8270C	11/29/06 14:09	kelllot	Q19517
N-Nitrosodlphenylamine	BRL	mg/kg	0.39	0.057	1	8270C	11/29/06 14:09	kelllot	Q19517
Naphthalene	BRL	mg/kg	0.39	0.055	1	8270C	11/29/06 14:09	kelllot	Q19517
Nitrobenzene	BRL	mg/kg	0.39	0.071	1	8270C	11/29/06 14:09	kelllot	Q19517
Pentachlorophenol	BRL	mg/kg	2.0	0.051	1	8270C	11/29/06 14:09	kelllot	Q19517
Phenanthrene	BRL	mg/kg	0.39	0.044	1	8270C	11/29/06 14:09	kelllot	Q19517
Phenol	BRL	mg/kg	0.39	0.047	1	8270C	11/29/06 14:09	kelllot	Q19517
Pyrene	BRL	mg/kg	0.39	0.031	1	8270C	11/29/06 14:09	kelllot	Q19517

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NC Certification No. 402  
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# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 1XCAV3-11  
 Prism Sample ID: 166946  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 16:55  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Sample Preparation:				29.88 g /	1 mL	3550B	11/28/06 7:00	dpope	P16943

Surrogate	% Recovery	Control Limits
Nitrobenzene-d5	82	14 - 103
Phenol-d5	66	13 - 95
Terphenyl-d14	104	41 - 136
2,4,6-Tribromophenol	77	25 - 123
2-Fluorobiphenyl	71	21 - 108
2-Fluorophenol	66	14 - 89

Extractable Petroleum Hydrocarbons by GC-FID

C11-C22 Aromatics	BRL	mg/kg	12	11	1	MADEP EPH	11/29/06 22:58	grappaccliff	Q19505
C19-C36 Aliphatics	BRL	mg/kg	12	7.0	1	MADEP EPH	11/29/06 22:58	grappaccliff	Q19505
C9-C18 Aliphatics	BRL	mg/kg	12	9.9	1	MADEP EPH	11/29/06 22:58	grappaccliff	Q19505

\* Analysis Note for C11-C22 Aromatics: Adjusted value.

Sample Preparation: 10.24 g / 2 mL EPH 11/21/06 10:00 dpope P16905

Surrogate	% Recovery	Control Limits
1-Chloro-octadecane	107	40 - 140
2-Bromonaphthalene	105	40 - 140
2-Fluorobiphenyl	129	40 - 140
o-Terphenyl	103	40 - 140

Volatile Petroleum Hydrocarbons by GC-PID/FID

C5-C8 Aliphatics	BRL	mg/kg	8.3	4.1	1	MADEP VPH	11/28/06 15:02	erussell	Q19470
C9-C10 Aromatics	BRL	mg/kg	8.3	4.1	1	MADEP VPH	11/28/06 15:02	erussell	Q19470
C9-C12 Aliphatics	BRL	mg/kg	8.3	4.1	1	MADEP VPH	11/28/06 15:02	erussell	Q19470

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 Client Sample ID: 1XCAV3-11  
 Prism Sample ID: 166946  
 COC Group: G1106572  
 Time Collected: 11/15/06 16:55  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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- \* Analysis Note for C5-C8 Aliphatics: Adjusted value.
- \* Analysis Note for C9-C12 Aliphatics: Adjusted value.

Surrogate	% Recovery	Control Limits
2,5-Dibromotoluene-FID	94	70 - 130
2,5-Dibromotoluene-PID	88	70 - 130

**Sample Weight Determination**

Weight 1	5.43	g	1	MADEP VPH	11/21/06 0:00	lbrown
Weight 2	5.80	g	1	MADEP VPH	11/21/06 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

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215 Client Sample ID: 1XCAV4-11  
 Project ID: DOT-Alamance-Burlington Prism Sample ID: 186947  
 Project No.: WBS# 34911.1.1 COC Group: G1106572  
 Sample Matrix: Soil Time Collected: 11/15/06 17:00  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Percent Solids Determination</b>									
Percent Solids	80.3	%			1	SM2540 G	11/20/06 15:20	athao	
<b>Sample Weight Determination</b>									
Weight Bisulfate 1	6.01	g			1	5035	11/27/06 0:00	brown	
Weight Bisulfate 2	6.18	g			1	5035	11/27/06 0:00	brown	
<b>Volatile Organic Compounds by GC/MS</b>									
1,1,1-Trichloroethane	BRL	mg/kg	0.0052	0.00029	1	8260B	11/28/06 1:27	erussell	Q19447
1,1,2,2-Tetrachloroethane	BRL	mg/kg	0.0052	0.00053	1	8260B	11/28/06 1:27	erussell	Q19447
1,1,2-Trichloroethane	BRL	mg/kg	0.0052	0.00032	1	8260B	11/28/06 1:27	erussell	Q19447
1,1-Dichloroethane	BRL	mg/kg	0.0052	0.00037	1	8260B	11/28/06 1:27	erussell	Q19447
1,1-Dichloroethane	BRL	mg/kg	0.0052	0.00039	1	8260B	11/28/06 1:27	erussell	Q19447
1,1-Dichloropropene	BRL	mg/kg	0.0052	0.00046	1	8260B	11/28/06 1:27	erussell	Q19447
1,2,3-Trichlorobenzene	BRL	mg/kg	0.0052	0.00057	1	8260B	11/28/06 1:27	erussell	Q19447
1,2,3-Trichloropropane	BRL	mg/kg	0.0052	0.00046	1	8260B	11/28/06 1:27	erussell	Q19447
1,2,4-Trichlorobenzene	BRL	mg/kg	0.0052	0.0005	1	8260B	11/28/06 1:27	erussell	Q19447
1,2,4-Trimethylbenzene	BRL	mg/kg	0.0052	0.00039	1	8260B	11/28/06 1:27	erussell	Q19447
1,2-Dibromoethane (EDB)	BRL	mg/kg	0.0052	0.000093	1	8260B	11/28/06 1:27	erussell	Q19447
1,2-Dichlorobenzene	BRL	mg/kg	0.0052	0.00028	1	8260B	11/28/06 1:27	erussell	Q19447
1,2-Dichloroethane	BRL	mg/kg	0.0052	0.00052	1	8260B	11/28/06 1:27	erussell	Q19447
1,2-Dichloropropane	BRL	mg/kg	0.0052	0.00038	1	8260B	11/28/06 1:27	erussell	Q19447
1,3,5-Trimethylbenzene	BRL	mg/kg	0.0052	0.00044	1	8260B	11/28/06 1:27	erussell	Q19447
1,3-Dichlorobenzene	BRL	mg/kg	0.0052	0.00045	1	8260B	11/28/06 1:27	erussell	Q19447
1,3-Dichloropropane	BRL	mg/kg	0.0052	0.00035	1	8260B	11/28/06 1:27	erussell	Q19447
1,4-Dichlorobenzene	BRL	mg/kg	0.0052	0.0004	1	8260B	11/28/06 1:27	erussell	Q19447
2,2-Dichloropropane	BRL	mg/kg	0.0052	0.00026	1	8260B	11/28/06 1:27	erussell	Q19447
2-Chlorotoluene	BRL	mg/kg	0.0052	0.00038	1	8260B	11/28/06 1:27	erussell	Q19447
2-Hexanone	BRL	mg/kg	0.052	0.00054	1	8260B	11/28/06 1:27	erussell	Q19447

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NC Certification No. 402  
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# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 Client Sample ID: 1XCAV4-11  
 Prism Sample ID: 166947  
 COC Group: G1106572  
 Time Collected: 11/15/06 17:00  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	mg/kg	0.0052	0.00027	1	8260B	11/28/06 1:27	erussell	Q19447
4-Methyl-2-pentanone (MIBK)	BRL	mg/kg	0.052	0.00052	1	8260B	11/28/06 1:27	erussell	Q19447
Acetone	BRL	mg/kg	0.052	0.0020	1	8260B	11/28/06 1:27	erussell	Q19447
Benzene	BRL	mg/kg	0.0031	0.00041	1	8260B	11/28/06 1:27	erussell	Q19447
Bromobenzene	BRL	mg/kg	0.0052	0.00036	1	8260B	11/28/06 1:27	erussell	Q19447
Bromochloromethane	BRL	mg/kg	0.0052	0.00031	1	8260B	11/28/06 1:27	erussell	Q19447
Bromodichloromethane	BRL	mg/kg	0.0052	0.00046	1	8260B	11/28/06 1:27	erussell	Q19447
Bromoform	BRL	mg/kg	0.0052	0.00038	1	8260B	11/28/06 1:27	erussell	Q19447
Bromomethane	BRL	mg/kg	0.010	0.0008	1	8260B	11/28/06 1:27	erussell	Q19447
Carbon tetrachloride	BRL	mg/kg	0.0052	0.0003	1	8260B	11/28/06 1:27	erussell	Q19447
Chlorobenzene	BRL	mg/kg	0.0052	0.00039	1	8260B	11/28/06 1:27	erussell	Q19447
Chlorodibromomethane	BRL	mg/kg	0.0052	0.00035	1	8260B	11/28/06 1:27	erussell	Q19447
Chloroethane	BRL	mg/kg	0.010	0.00042	1	8260B	11/28/06 1:27	erussell	Q19447
Chloroform	BRL	mg/kg	0.0052	0.00038	1	8260B	11/28/06 1:27	erussell	Q19447
Chloromethane	BRL	mg/kg	0.0052	0.00036	1	8260B	11/28/06 1:27	erussell	Q19447
cis-1,2-Dichloroethene	BRL	mg/kg	0.0052	0.00023	1	8260B	11/28/06 1:27	erussell	Q19447
cis-1,3-Dichloropropene	BRL	mg/kg	0.0052	0.00033	1	8260B	11/28/06 1:27	erussell	Q19447
Dichlorodifluoromethane	BRL	mg/kg	0.0052	0.0012	1	8260B	11/28/06 1:27	erussell	Q19447
Ethylbenzene	BRL	mg/kg	0.0052	0.00036	1	8260B	11/28/06 1:27	erussell	Q19447
Isopropyl ether (IPE)	BRL	mg/kg	0.0052	0.00018	1	8260B	11/28/06 1:27	erussell	Q19447
Isopropylbenzene	BRL	mg/kg	0.0052	0.00041	1	8260B	11/28/06 1:27	erussell	Q19447
m,p-Xylenes	BRL	mg/kg	0.010	0.00073	1	8260B	11/28/06 1:27	erussell	Q19447
Methyl ethyl ketone (MEK)	BRL	mg/kg	0.10	0.0015	1	8260B	11/28/06 1:27	erussell	Q19447
Methyl t-butyl ether (MTBE)	BRL	mg/kg	0.010	0.0003	1	8260B	11/28/06 1:27	erussell	Q19447
Methylene chloride	BRL	mg/kg	0.0052	0.00042	1	8260B	11/28/06 1:27	erussell	Q19447
n-Butylbenzene	BRL	mg/kg	0.0052	0.00041	1	8260B	11/28/06 1:27	erussell	Q19447
n-Propylbenzene	BRL	mg/kg	0.0052	0.00031	1	8260B	11/28/06 1:27	erussell	Q19447
Naphthalene	BRL	mg/kg	0.010	0.0006	1	8260B	11/28/06 1:27	erussell	Q19447

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. MehaneSL/Alamance Client Sample ID: 1XCAV4-11  
 Rd. Burlington, NC 27215 Prism Sample ID: 166947  
 Project ID: DOT-Alamance-Burlington COC Group: G1106572  
 Project No.: WBS# 34911.1.1 Time Collected: 11/15/06 17:00  
 Sample Matrix: Soil Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
o-Xylene	BRL	mg/kg	0.0052	0.00031	1	8260B	11/28/06 1:27	erussell	Q19447
p-Isopropyltoluene	BRL	mg/kg	0.0052	0.00042	1	8260B	11/28/06 1:27	erussell	Q19447
sec-Butylbenzene	BRL	mg/kg	0.0052	0.00034	1	8260B	11/28/06 1:27	erussell	Q19447
Styrene	BRL	mg/kg	0.0052	0.00052	1	8260B	11/28/06 1:27	erussell	Q19447
tert-Butylbenzene	BRL	mg/kg	0.0052	0.00032	1	8260B	11/28/06 1:27	erussell	Q19447
Tetrachloroethene	BRL	mg/kg	0.0052	0.00089	1	8260B	11/28/06 1:27	erussell	Q19447
Toluene	BRL	mg/kg	0.0052	0.00035	1	8260B	11/28/06 1:27	erussell	Q19447
trans-1,2-Dichloroethene	BRL	mg/kg	0.0052	0.00039	1	8260B	11/28/06 1:27	erussell	Q19447
trans-1,3-Dichloropropene	BRL	mg/kg	0.0052	0.00036	1	8260B	11/28/06 1:27	erussell	Q19447
Trichloroethene	BRL	mg/kg	0.0052	0.00031	1	8260B	11/28/06 1:27	erussell	Q19447
Trichlorofluoromethane	BRL	mg/kg	0.0052	0.00042	1	8260B	11/28/06 1:27	erussell	Q19447
Vinyl acetate	BRL	mg/kg	0.026	0.0019	1	8260B	11/28/06 1:27	erussell	Q19447
Vinyl chloride	BRL	mg/kg	0.0052	0.00068	1	8260B	11/28/06 1:27	erussell	Q19447

Surrogate	% Recovery	Control Limits
Bromofluorobenzene	108	77 - 128
Dibromofluoromethane	101	67 - 143
Toluene-d8	97	81 - 128

### Semi-volatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	BRL	mg/kg	0.41	0.069	1	8270C	11/29/06 14:59	kefflot	Q19517
1,2-Dichlorobenzene	BRL	mg/kg	0.41	0.057	1	8270C	11/29/06 14:59	kefflot	Q19517
1,3-Dichlorobenzene	BRL	mg/kg	0.41	0.043	1	8270C	11/29/06 14:59	kefflot	Q19517
1,4-Dichlorobenzene	BRL	mg/kg	0.41	0.034	1	8270C	11/29/06 14:59	kefflot	Q19517
2,4,5-Trichlorophenol	BRL	mg/kg	0.41	0.093	1	8270C	11/29/06 14:59	kefflot	Q19517
2,4,6-Trichlorophenol	BRL	mg/kg	0.41	0.088	1	8270C	11/29/06 14:59	kefflot	Q19517
2,4-Dichlorophenol	BRL	mg/kg	0.41	0.085	1	8270C	11/29/06 14:59	kefflot	Q19517
2,4-Dimethylphenol	BRL	mg/kg	0.41	0.080	1	8270C	11/29/06 14:59	kefflot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 Client Sample ID: 1XCAV4-11  
 Prism Sample ID: 166947  
 COC Group: G1106572  
 Time Collected: 11/15/06 17:00  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
2,4-Dinitrophenol	BRL	mg/kg	2.1	0.10	1	8270C	11/29/06 14:59	kelliot	Q19517
2,4-Dinitrotoluene	BRL	mg/kg	0.41	0.064	1	8270C	11/29/06 14:59	kelliot	Q19517
2,6-Dinitrotoluene	BRL	mg/kg	0.41	0.049	1	8270C	11/29/06 14:59	kelliot	Q19517
2-Chloronaphthalene	BRL	mg/kg	0.41	0.068	1	8270C	11/29/06 14:59	kelliot	Q19517
2-Chlorophenol	BRL	mg/kg	0.41	0.041	1	8270C	11/29/06 14:59	kelliot	Q19517
2-Methylnaphthalene	BRL	mg/kg	0.41	0.070	1	8270C	11/29/06 14:59	kelliot	Q19517
2-Methylphenol	BRL	mg/kg	0.41	0.067	1	8270C	11/29/06 14:59	kelliot	Q19517
2-Nitrophenol	BRL	mg/kg	0.41	0.053	1	8270C	11/29/06 14:59	kelliot	Q19517
3,4-Methylphenol	BRL	mg/kg	0.41	0.065	1	8270C	11/29/06 14:59	kelliot	Q19517
2,3-Dichlorobenzidine	BRL	mg/kg	0.83	0.14	1	8270C	11/29/06 14:59	kelliot	Q19517
4,6-Dinitro-2-methylphenol	BRL	mg/kg	2.1	0.093	1	8270C	11/29/06 14:59	kelliot	Q19517
4-Bromophenylphenylether	BRL	mg/kg	0.41	0.069	1	8270C	11/29/06 14:59	kelliot	Q19517
4-Chloro-3-methylphenol	BRL	mg/kg	0.83	0.078	1	8270C	11/29/06 14:59	kelliot	Q19517
4-Chloroaniline	BRL	mg/kg	0.41	0.092	1	8270C	11/29/06 14:59	kelliot	Q19517
4-Chlorophenylphenylether	BRL	mg/kg	0.41	0.063	1	8270C	11/29/06 14:59	kelliot	Q19517
4-Nitrophenol	BRL	mg/kg	2.1	0.10	1	8270C	11/29/06 14:59	kelliot	Q19517
Acenaphthene	BRL	mg/kg	0.41	0.079	1	8270C	11/29/06 14:59	kelliot	Q19517
Acenaphthylene	BRL	mg/kg	0.41	0.078	1	8270C	11/29/06 14:59	kelliot	Q19517
Anthracene	BRL	mg/kg	0.41	0.050	1	8270C	11/29/06 14:59	kelliot	Q19517
Azobenzene	BRL	mg/kg	2.1	0.21	1	8270C	11/29/06 14:59	kelliot	Q19517
Benzo(a)anthracene	BRL	mg/kg	0.41	0.082	1	8270C	11/29/06 14:59	kelliot	Q19517
Benzo(a)pyrene	BRL	mg/kg	0.41	0.041	1	8270C	11/29/06 14:59	kelliot	Q19517
Benzo(b)fluoranthene	BRL	mg/kg	0.41	0.055	1	8270C	11/29/06 14:59	kelliot	Q19517
Benzo(g,h,i)perylene	BRL	mg/kg	0.41	0.096	1	8270C	11/29/06 14:59	kelliot	Q19517
Benzo(k)fluoranthene	BRL	mg/kg	0.41	0.049	1	8270C	11/29/06 14:59	kelliot	Q19517
Benzoic acid	BRL	mg/kg	2.1	0.18	1	8270C	11/29/06 14:59	kelliot	Q19517
Benzyl alcohol	BRL	mg/kg	0.83	0.068	1	8270C	11/29/06 14:59	kelliot	Q19517
Bis(2-chloroethoxy)methane	BRL	mg/kg	0.41	0.079	1	8270C	11/29/06 14:59	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
Attn: Bob Shaut/EI  
c/o Environmental Investigations, Inc  
2101 Gateway Centre Blvd. Ste 200  
Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
Client Sample ID: 1XCAV4-11  
Prism Sample ID: 166947  
Project ID: DOT-Alamance-Burlington  
COC Group: G1106572  
Project No.: WBS# 34911.1.1  
Time Collected: 11/15/06 17:00  
Sample Matrix: Soil  
Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-chloroethyl)ether	BRL	mg/kg	0.41	0.029	1	8270C	11/29/06 14:59	kelliot	Q19517
Bis(2-chloroisopropyl)ether	BRL	mg/kg	0.41	0.058	1	8270C	11/29/06 14:59	kelliot	Q19517
Bis(2-ethylhexyl)phthalate	BRL	mg/kg	0.41	0.045	1	8270C	11/29/06 14:59	kelliot	Q19517
Butylbenzylphthalate	BRL	mg/kg	0.41	0.043	1	8270C	11/29/06 14:59	kelliot	Q19517
Chrysene	BRL	mg/kg	0.41	0.078	1	8270C	11/29/06 14:59	kelliot	Q19517
Di-n-butylphthalate	BRL	mg/kg	0.41	0.057	1	8270C	11/29/06 14:59	kelliot	Q19517
Di-n-octylphthalate	BRL	mg/kg	0.41	0.072	1	8270C	11/29/06 14:59	kelliot	Q19517
Dibenzo(a,h)anthracene	BRL	mg/kg	0.41	0.098	1	8270C	11/29/06 14:59	kelliot	Q19517
Dibenzofuran	BRL	mg/kg	0.41	0.077	1	8270C	11/29/06 14:59	kelliot	Q19517
Diethylphthalate	BRL	mg/kg	0.41	0.041	1	8270C	11/29/06 14:59	kelliot	Q19517
Dimethylphthalate	BRL	mg/kg	0.41	0.057	1	8270C	11/29/06 14:59	kelliot	Q19517
Fluoranthene	BRL	mg/kg	0.41	0.060	1	8270C	11/29/06 14:59	kelliot	Q19517
Fluorene	BRL	mg/kg	0.41	0.078	1	8270C	11/29/06 14:59	kelliot	Q19517
Hexachlorobenzene	BRL	mg/kg	0.41	0.060	1	8270C	11/29/06 14:59	kelliot	Q19517
Hexachlorobutadiene	BRL	mg/kg	0.41	0.054	1	8270C	11/29/06 14:59	kelliot	Q19517
Hexachlorocyclopentadiene	BRL	mg/kg	0.41	0.098	1	8270C	11/29/06 14:59	kelliot	Q19517
Hexachloroethane	BRL	mg/kg	0.41	0.055	1	8270C	11/29/06 14:59	kelliot	Q19517
Indeno(1,2,3-cd)pyrene	BRL	mg/kg	0.41	0.11	1	8270C	11/29/06 14:59	kelliot	Q19517
Isophorone	BRL	mg/kg	0.41	0.077	1	8270C	11/29/06 14:59	kelliot	Q19517
N-Nitrosodi-n-propylamine	BRL	mg/kg	0.41	0.075	1	8270C	11/29/06 14:59	kelliot	Q19517
N-Nitrosodiphenylamine	BRL	mg/kg	0.41	0.060	1	8270C	11/29/06 14:59	kelliot	Q19517
Naphthalene	BRL	mg/kg	0.41	0.058	1	8270C	11/29/06 14:59	kelliot	Q19517
Nitrobenzene	BRL	mg/kg	0.41	0.075	1	8270C	11/29/06 14:59	kelliot	Q19517
Pentachlorophenol	BRL	mg/kg	2.1	0.054	1	8270C	11/29/06 14:59	kelliot	Q19517
Phenanthrene	BRL	mg/kg	0.41	0.046	1	8270C	11/29/06 14:59	kelliot	Q19517
Phenol	BRL	mg/kg	0.41	0.050	1	8270C	11/29/06 14:59	kelliot	Q19517
Pyrene	BRL	mg/kg	0.41	0.033	1	8270C	11/29/06 14:59	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaul/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane SL/Alamance Client Sample ID: 1XCAV4-11  
 Rd. Burlington, NC 27215 Prism Sample ID: 166947  
 Project ID: DOT-Alamance-Burlington COC Group: G1106572  
 Project No.: WBS# 34911.1.1 Time Collected: 11/15/06 17:00  
 Sample Matrix: Soil Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Sample Preparation: 29.73 g / 1 mL 3550B 11/28/06 7:00 dpope P16943

Surrogate	% Recovery	Control Limits
2,4,6-Tribromophenol	80	25 - 123
2-Fluorobiphenyl	79	21 - 108
2-Fluorophenol	71	14 - 89
Nitrobenzene-d5	94	14 - 103
Phenol-d5	70	13 - 95
Terphenyl-d14	99	41 - 136

### 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	12	12	1	MADEP EPH	11/29/06 23:50	grappaccoli	Q19505
C19-C36 Aliphatics	BRL	mg/kg	12	7.6	1	MADEP EPH	11/29/06 23:50	grappaccoli	Q19505
C9-C18 Aliphatics	BRL	mg/kg	12	11	1	MADEP EPH	11/29/06 23:50	grappaccoli	Q19505

\* Analysis Note for C11-C22 Aromatics: Adjusted value.

Sample Preparation: 9.97 g / 2 mL EPH 11/21/06 10:00 dpope P16905

Surrogate	% Recovery	Control Limits
1-Chloro-octadecane	99	40 - 140
2-Bromonaphthalene	100	40 - 140
2-Fluorobiphenyl	131	40 - 140
o-Terphenyl	101	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	8.7	4.4	1	MADEP VPH	11/28/06 15:54	erussell	Q19470
C9-C10 Aromatics	120	mg/kg	8.7	4.4	1	MADEP VPH	11/28/06 15:54	erussell	Q19470
C9-C12 Aliphatics	35	mg/kg	8.7	4.4	1	MADEP VPH	11/28/06 15:54	erussell	Q19470

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 Client Sample ID: 1XCAV4-11  
 Prism Sample ID: 186947  
 COC Group: G1106572  
 Time Collected: 11/15/06 17:00  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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- \* Analysis Note for C5-C8 Aliphatics: Adjusted value.
- \* Analysis Note for C9-C12 Aliphatics: Adjusted value.

Surrogate	% Recovery	Control Limits
2,5-Dibromotoluene-FID	127	70 - 130
2,5-Dibromotoluene-PID	118	70 - 130

Sample Weight Determination

Weight 1	5.84	g	1	MADEP VPH	11/21/06 0:00	Brown
Weight 2	5.77	g	1	MADEP VPH	11/21/06 0:00	Brown

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

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St/Alamance Rd, Burlington, NC 27215  
 Client Sample ID: 1XCAV5-11  
 Prism Sample ID: 166948  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 COC Group: G1106572  
 Time Collected: 11/15/06 17:05  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b><u>Percent Solids Determination</u></b>									
Percent Solids	79.2	%			1	SM2540 G	11/20/06 15:20	athao	
<b><u>Sample Weight Determination</u></b>									
Weight Bisulfate 1	5.00	g			1	5035	11/27/06 0:00	brown	
Weight Bisulfate 2	6.01	g			1	5035	11/27/06 0:00	brown	
<b><u>Volatiles Organic Compounds by GC/MS</u></b>									
1,1,1-Trichloroethane	BRL	mg/kg	0.0063	0.00035	1	8260B	11/28/06 1:59	erussell	Q19447
1,1,1,2-Tetrachloroethane	BRL	mg/kg	0.0063	0.00064	1	8260B	11/28/06 1:59	erussell	Q19447
1,1,2-Trichloroethane	BRL	mg/kg	0.0063	0.00039	1	8260B	11/28/06 1:59	erussell	Q19447
1,1-Dichloroethane	BRL	mg/kg	0.0063	0.00045	1	8260B	11/28/06 1:59	erussell	Q19447
1,1-Dichloroethene	BRL	mg/kg	0.0063	0.00048	1	8260B	11/28/06 1:59	erussell	Q19447
1,1-Dichloropropene	BRL	mg/kg	0.0063	0.00056	1	8260B	11/28/06 1:59	erussell	Q19447
1,2,3-Trichlorobenzene	BRL	mg/kg	0.0063	0.00069	1	8260B	11/28/06 1:59	erussell	Q19447
1,2,3-Trichloropropane	BRL	mg/kg	0.0063	0.00058	1	8260B	11/28/06 1:59	erussell	Q19447
1,2,4-Trichlorobenzene	BRL	mg/kg	0.0063	0.00061	1	8260B	11/28/06 1:59	erussell	Q19447
1,2,4-Trimethylbenzene	BRL	mg/kg	0.0063	0.00048	1	8260B	11/28/06 1:59	erussell	Q19447
1,2-Dibromoethane (EDB)	BRL	mg/kg	0.0063	0.00011	1	8260B	11/28/06 1:59	erussell	Q19447
1,2-Dichlorobenzene	BRL	mg/kg	0.0063	0.00034	1	8260B	11/28/06 1:59	erussell	Q19447
1,2-Dichloroethane	BRL	mg/kg	0.0063	0.00063	1	8260B	11/28/06 1:59	erussell	Q19447
1,2-Dichloropropane	BRL	mg/kg	0.0063	0.00047	1	8260B	11/28/06 1:59	erussell	Q19447
1,3,5-Trimethylbenzene	BRL	mg/kg	0.0063	0.00053	1	8260B	11/28/06 1:59	erussell	Q19447
1,3-Dichlorobenzene	BRL	mg/kg	0.0063	0.00054	1	8260B	11/28/06 1:59	erussell	Q19447
1,3-Dichloropropane	BRL	mg/kg	0.0063	0.00043	1	8260B	11/28/06 1:59	erussell	Q19447
1,4-Dichlorobenzene	BRL	mg/kg	0.0063	0.00049	1	8260B	11/28/06 1:59	erussell	Q19447
2,2-Dichloropropane	BRL	mg/kg	0.0063	0.00032	1	8260B	11/28/06 1:59	erussell	Q19447
2-Chlorotoluene	BRL	mg/kg	0.0063	0.00047	1	8260B	11/28/06 1:59	erussell	Q19447
2-Hexanone	BRL	mg/kg	0.063	0.00066	1	8260B	11/28/06 1:59	erussell	Q19447

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shau/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mabane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 1XCAV5-11  
 Prism Sample ID: 166948  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1108572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 17:05  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	mg/kg	0.0063	0.00033	1	8260B	11/28/06 1:59	erussell	Q19447
4-Methyl-2-pentanone (MIBK)	BRL	mg/kg	0.063	0.00063	1	8260B	11/28/06 1:59	erussell	Q19447
Acetone	BRL	mg/kg	0.063	0.0025	1	8260B	11/28/06 1:59	erussell	Q19447
Benzene	BRL	mg/kg	0.0038	0.00051	1	8260B	11/28/06 1:59	erussell	Q19447
Bromobenzene	BRL	mg/kg	0.0063	0.00044	1	8260B	11/28/06 1:59	erussell	Q19447
Bromochloromethane	BRL	mg/kg	0.0063	0.00038	1	8260B	11/28/06 1:59	erussell	Q19447
Bromodichloromethane	BRL	mg/kg	0.0063	0.00056	1	8260B	11/28/06 1:59	erussell	Q19447
Bromoform	BRL	mg/kg	0.0063	0.00047	1	8260B	11/28/06 1:59	erussell	Q19447
Bromomethane	BRL	mg/kg	0.013	0.00073	1	8260B	11/28/06 1:59	erussell	Q19447
Carbon tetrachloride	BRL	mg/kg	0.0063	0.00037	1	8260B	11/28/06 1:59	erussell	Q19447
Chlorobenzene	BRL	mg/kg	0.0063	0.00048	1	8260B	11/28/06 1:59	erussell	Q19447
Chlorodibromomethane	BRL	mg/kg	0.0063	0.00043	1	8260B	11/28/06 1:59	erussell	Q19447
Chloroethane	BRL	mg/kg	0.013	0.00052	1	8260B	11/28/06 1:59	erussell	Q19447
Chloroform	BRL	mg/kg	0.0063	0.00047	1	8260B	11/28/06 1:59	erussell	Q19447
Chloromethane	BRL	mg/kg	0.0063	0.00044	1	8260B	11/28/06 1:59	erussell	Q19447
cis-1,2-Dichloroethene	BRL	mg/kg	0.0063	0.00028	1	8260B	11/28/06 1:59	erussell	Q19447
cis-1,3-Dichloropropene	BRL	mg/kg	0.0063	0.0004	1	8260B	11/28/06 1:59	erussell	Q19447
Dichlorodifluoromethane	BRL	mg/kg	0.0063	0.0014	1	8260B	11/28/06 1:59	erussell	Q19447
Ethylbenzene	BRL	mg/kg	0.0063	0.00044	1	8260B	11/28/06 1:59	erussell	Q19447
Isopropyl ether (IPE)	BRL	mg/kg	0.0063	0.00021	1	8260B	11/28/06 1:59	erussell	Q19447
Isopropylbenzene	BRL	mg/kg	0.0063	0.00051	1	8260B	11/28/06 1:59	erussell	Q19447
m,p-Xylenes	BRL	mg/kg	0.013	0.00088	1	8260B	11/28/06 1:59	erussell	Q19447
Methyl ethyl ketone (MEK)	BRL	mg/kg	0.13	0.0018	1	8260B	11/28/06 1:59	erussell	Q19447
Methyl t-butyl ether (MTBE)	BRL	mg/kg	0.013	0.00037	1	8260B	11/28/06 1:59	erussell	Q19447
Methylene chloride	BRL	mg/kg	0.0063	0.00052	1	8260B	11/28/06 1:59	erussell	Q19447
n-Butylbenzene	BRL	mg/kg	0.0063	0.00051	1	8260B	11/28/06 1:59	erussell	Q19447
n-Propylbenzene	BRL	mg/kg	0.0063	0.00038	1	8260B	11/28/06 1:59	erussell	Q19447
Naphthalene	BRL	mg/kg	0.013	0.00073	1	8260B	11/28/06 1:59	erussell	Q19447

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shau/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 1XCAV5-11  
 Prism Sample ID: 166948  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 17:05  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
o-Xylene	BRL	mg/kg	0.0063	0.00038	1	8260B	11/28/06 1:59	erussell	Q19447
p-Isopropyltoluene	BRL	mg/kg	0.0063	0.00052	1	8260B	11/28/06 1:59	erussell	Q19447
sec-Butylbenzene	BRL	mg/kg	0.0063	0.00042	1	8260B	11/28/06 1:59	erussell	Q19447
Styrene	BRL	mg/kg	0.0063	0.00063	1	8260B	11/28/06 1:59	erussell	Q19447
tert-Butylbenzene	BRL	mg/kg	0.0063	0.00039	1	8280B	11/28/06 1:59	erussell	Q19447
Tetrachloroethene	BRL	mg/kg	0.0063	0.0011	1	8260B	11/28/06 1:59	erussell	Q19447
Toluene	BRL	mg/kg	0.0063	0.00043	1	8260B	11/28/06 1:59	erussell	Q19447
trans-1,2-Dichloroethene	BRL	mg/kg	0.0063	0.00048	1	8260B	11/28/06 1:59	erussell	Q19447
trans-1,3-Dichloropropene	BRL	mg/kg	0.0063	0.00044	1	8260B	11/28/06 1:59	erussell	Q19447
Trichloroethene	BRL	mg/kg	0.0063	0.00038	1	8260B	11/28/06 1:59	erussell	Q19447
Trichlorofluoromethane	BRL	mg/kg	0.0063	0.00052	1	8260B	11/28/06 1:59	erussell	Q19447
Vinyl acetate	BRL	mg/kg	0.032	0.0023	1	8260B	11/28/06 1:59	erussell	Q19447
Vinyl chloride	BRL	mg/kg	0.0063	0.00081	1	8260B	11/28/06 1:59	erussell	Q19447

Surrogate	% Recovery	Control Limits
Bromofluorobenzene	103	77 - 128
Dibromofluoromethane	100	67 - 143
Toluene-d8	98	81 - 128

### Semi-volatile Organic Compounds by GC/MS

1,2,4-Trichlorobenzene	BRL	mg/kg	0.42	0.070	1	8270C	11/28/06 22:03	kelliot	Q19517
1,2-Dichlorobenzene	BRL	mg/kg	0.42	0.057	1	8270C	11/28/06 22:03	kelliot	Q19517
1,3-Dichlorobenzene	BRL	mg/kg	0.42	0.043	1	8270C	11/28/06 22:03	kelliot	Q19517
1,4-Dichlorobenzene	BRL	mg/kg	0.42	0.034	1	8270C	11/28/06 22:03	kelliot	Q19517
2,4,5-Trichlorophenol	BRL	mg/kg	0.42	0.094	1	8270C	11/28/06 22:03	kelliot	Q19517
2,4,6-Trichlorophenol	BRL	mg/kg	0.42	0.089	1	8270C	11/28/06 22:03	kelliot	Q19517
2,4-Dichlorophenol	BRL	mg/kg	0.42	0.087	1	8270C	11/28/06 22:03	kelliot	Q19517
2,4-Dimethylphenol	BRL	mg/kg	0.42	0.082	1	8270C	11/28/06 22:03	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Client Sample ID: 1XCAV5-11  
 Rd. Burlington, NC 27215 Prism Sample ID: 166948  
 Project ID: DOT-Alamance-Burlington COC Group: G1106572  
 Project No.: WBS# 34911.1.1 Time Collected: 11/15/06 17:05  
 Sample Matrix: Soil Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
2,4-Dinitrophenol	BRL	mg/kg	2.1	0.10	1	8270C	11/28/06 22:03	kelliot	Q19517
2,4-Dinitrotoluene	BRL	mg/kg	0.42	0.065	1	8270C	11/28/06 22:03	kelliot	Q19517
2,6-Dinitrotoluene	BRL	mg/kg	0.42	0.050	1	8270C	11/28/06 22:03	kelliot	Q19517
2-Chloronaphthalene	BRL	mg/kg	0.42	0.069	1	8270C	11/28/06 22:03	kelliot	Q19517
2-Chlorophenol	BRL	mg/kg	0.42	0.042	1	8270C	11/28/06 22:03	kelliot	Q19517
2-Methylnaphthalene	BRL	mg/kg	0.42	0.071	1	8270C	11/28/06 22:03	kelliot	Q19517
2-Methylphenol	BRL	mg/kg	0.42	0.068	1	8270C	11/28/06 22:03	kelliot	Q19517
2-Nitrophenol	BRL	mg/kg	0.42	0.054	1	8270C	11/28/06 22:03	kelliot	Q19517
3&4-Methylphenol	BRL	mg/kg	0.42	0.066	1	8270C	11/28/06 22:03	kelliot	Q19517
3,3'-Dichlorobenzidine	BRL	mg/kg	0.84	0.14	1	8270C	11/28/06 22:03	kelliot	Q19517
4,6-Dinitro-2-methylphenol	BRL	mg/kg	2.1	0.094	1	8270C	11/28/06 22:03	kelliot	Q19517
4-Bromophenylphenylether	BRL	mg/kg	0.42	0.070	1	8270C	11/28/06 22:03	kelliot	Q19517
4-Chloro-3-methylphenol	BRL	mg/kg	0.84	0.079	1	8270C	11/28/06 22:03	kelliot	Q19517
4-Chloroaniline	BRL	mg/kg	0.42	0.093	1	8270C	11/28/06 22:03	kelliot	Q19517
4-Chlorophenylphenylether	BRL	mg/kg	0.42	0.064	1	8270C	11/28/06 22:03	kelliot	Q19517
4-Nitrophenol	BRL	mg/kg	2.1	0.10	1	8270C	11/28/06 22:03	kelliot	Q19517
Acenaphthene	BRL	mg/kg	0.42	0.080	1	8270C	11/28/06 22:03	kelliot	Q19517
Acenaphthylene	BRL	mg/kg	0.42	0.079	1	8270C	11/28/06 22:03	kelliot	Q19517
Anthracene	BRL	mg/kg	0.42	0.051	1	8270C	11/28/06 22:03	kelliot	Q19517
Azobenzene	BRL	mg/kg	2.1	0.22	1	8270C	11/28/06 22:03	kelliot	Q19517
Benzo(a)anthracene	BRL	mg/kg	0.42	0.083	1	8270C	11/28/06 22:03	kelliot	Q19517
Benzo(a)pyrene	BRL	mg/kg	0.42	0.042	1	8270C	11/28/06 22:03	kelliot	Q19517
Benzo(b)fluoranthene	BRL	mg/kg	0.42	0.056	1	8270C	11/28/06 22:03	kelliot	Q19517
Benzo(g,h,i)perylene	BRL	mg/kg	0.42	0.097	1	8270C	11/28/06 22:03	kelliot	Q19517
Benzo(k)fluoranthene	BRL	mg/kg	0.42	0.050	1	8270C	11/28/06 22:03	kelliot	Q19517
Benzoic acid	BRL	mg/kg	2.1	0.16	1	8270C	11/28/06 22:03	kelliot	Q19517
Benzyl alcohol	BRL	mg/kg	0.84	0.069	1	8270C	11/28/06 22:03	kelliot	Q19517
Bis(2-chloroethoxy)methane	BRL	mg/kg	0.42	0.080	1	8270C	11/28/06 22:03	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
Attn: Bob Shaut/EI  
c/o Environmental Investigations, Inc  
2101 Gateway Centre Blvd. Ste 200  
Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
Client Sample ID: 1XCAV5-11  
Prism Sample ID: 166948  
Project ID: DOT-Alamance-Burlington  
COC Group: G1106572  
Project No.: WBS# 34911.1.1  
Time Collected: 11/15/06 17:05  
Sample Matrix: Soil  
Time Submitted: 11/17/06 13:30

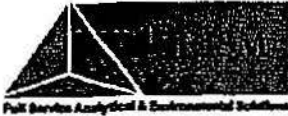
Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-chloroethyl)ether	BRL	mg/kg	0.42	0.029	1	8270C	11/28/06 22:03	kelliot	Q19517
Bis(2-chloroisopropyl)ether	BRL	mg/kg	0.42	0.059	1	8270C	11/28/06 22:03	kelliot	Q19517
Bis(2-ethylhexyl)phthalate	BRL	mg/kg	0.42	0.046	1	8270C	11/28/06 22:03	kelliot	Q19517
Butylbenzylphthalate	BRL	mg/kg	0.42	0.043	1	8270C	11/28/06 22:03	kelliot	Q19517
Chrysene	BRL	mg/kg	0.42	0.079	1	8270C	11/28/06 22:03	kelliot	Q19517
Di-n-butylphthalate	BRL	mg/kg	0.42	0.057	1	8270C	11/28/06 22:03	kelliot	Q19517
Di-n-octylphthalate	BRL	mg/kg	0.42	0.073	1	8270C	11/28/06 22:03	kelliot	Q19517
Dibenzo(a,h)anthracene	BRL	mg/kg	0.42	0.099	1	8270C	11/28/06 22:03	kelliot	Q19517
Dibenzofuran	BRL	mg/kg	0.42	0.078	1	8270C	11/28/06 22:03	kelliot	Q19517
Diethylphthalate	BRL	mg/kg	0.42	0.042	1	8270C	11/28/06 22:03	kelliot	Q19517
Dimethylphthalate	BRL	mg/kg	0.42	0.057	1	8270C	11/28/06 22:03	kelliot	Q19517
Fluoranthene	BRL	mg/kg	0.42	0.051	1	8270C	11/28/06 22:03	kelliot	Q19517
Fluorene	BRL	mg/kg	0.42	0.079	1	8270C	11/28/06 22:03	kelliot	Q19517
Hexachlorobenzene	BRL	mg/kg	0.42	0.061	1	8270C	11/28/06 22:03	kelliot	Q19517
Hexachlorobutadiene	BRL	mg/kg	0.42	0.055	1	8270C	11/28/06 22:03	kelliot	Q19517
Hexachlorocyclopentadiene	BRL	mg/kg	0.42	0.097	1	8270C	11/28/06 22:03	kelliot	Q19517
Hexachloroethane	BRL	mg/kg	0.42	0.056	1	8270C	11/28/06 22:03	kelliot	Q19517
Indeno(1,2,3-cd)pyrene	BRL	mg/kg	0.42	0.11	1	8270C	11/28/06 22:03	kelliot	Q19517
Isophorone	BRL	mg/kg	0.42	0.078	1	8270C	11/28/06 22:03	kelliot	Q19517
N-Nitrosodi-n-propylamine	BRL	mg/kg	0.42	0.077	1	8270C	11/28/06 22:03	kelliot	Q19517
N-Nitrosodiphenylamine	BRL	mg/kg	0.42	0.061	1	8270C	11/28/06 22:03	kelliot	Q19517
Naphthalene	BRL	mg/kg	0.42	0.059	1	8270C	11/28/06 22:03	kelliot	Q19517
Nitrobenzene	BRL	mg/kg	0.42	0.077	1	8270C	11/28/06 22:03	kelliot	Q19517
Pentachlorophenol	BRL	mg/kg	2.1	0.055	1	8270C	11/28/06 22:03	kelliot	Q19517
Phenanthrene	BRL	mg/kg	0.42	0.047	1	8270C	11/28/06 22:03	kelliot	Q19517
Phenol	BRL	mg/kg	0.42	0.051	1	8270C	11/28/06 22:03	kelliot	Q19517
Pyrene	BRL	mg/kg	0.42	0.033	1	8270C	11/28/06 22:03	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane SL/Alamance Client Sample ID: 1XCAV5-11  
 Rd. Burlington, NC 27215 Prism Sample ID: 166948  
 Project ID: DOT-Alamance-Burlington COC Group: G1106572  
 Project No.: WBS# 34911.1.1 Time Collected: 11/15/06 17:05  
 Sample Matrix: Sol Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Sample Preparation: 29.67 g / 1 mL 3550B 11/28/06 7:00 dpope P16943

Surrogate	% Recovery	Control Limits
Terphenyl-d14	119	41 - 136
2,4,6-Tribromophenol	95	25 - 123
2-Fluorobiphenyl	71	21 - 108
2-Fluorophenol	69	14 - 89
Nitrobenzene-d5	80	14 - 103
Phenol-d5	64	13 - 95

### Extractable Petroleum Hydrocarbons by GC-FID

C11-C22 Aromatics	BRL	mg/kg	13	12	1	MADEP EPH	11/30/06 0:41	grappaccioli	Q19505
C19-C36 Aliphatics	BRL	mg/kg	13	7.8	1	MADEP EPH	11/30/06 0:41	grappaccioli	Q19505
C9-C18 Aliphatics	BRL	mg/kg	13	11	1	MADEP EPH	11/30/06 0:41	grappaccioli	Q19505

\* Analysis Note for C11-C22 Aromatics: Adjusted value.

Sample Preparation: 10.08 g / 2 mL EPH 11/21/06 10:00 dpope P16905

Surrogate	% Recovery	Control Limits
1-Chloro-octadecane	105	40 - 140
2-Bromonaphthalene	107	40 - 140
2-Fluorobiphenyl	103	40 - 140
o-Terphenyl	101	40 - 140

### Volatile Petroleum Hydrocarbons by GC-PID/FID

C5-C8 Aliphatics	BRL	mg/kg	8.8	4.4	1	MADEP VPH	11/28/06 16:47	erussell	Q19470
C9-C10 Aromatics	BRL	mg/kg	8.8	4.4	1	MADEP VPH	11/28/06 16:47	erussell	Q19470
C9-C12 Aliphatics	BRL	mg/kg	8.8	4.4	1	MADEP VPH	11/28/06 16:47	erussell	Q19470

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shau/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Client Sample ID: 1XCAV5-11  
 Rd. Burlington, NC 27215 Prism Sample ID: 186948  
 Project ID: DOT-Alamance-Burlington COC Group: G1106572  
 Project No.: WBS# 34911.1.1 Time Collected: 11/15/06 17:05  
 Sample Matrix: Soil Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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- \* Analysis Note for C5-C8 Aliphatics: Adjusted value.
- \* Analysis Note for C9-C12 Aliphatics: Adjusted value.

Surrogate	% Recovery	Control Limits
2,5-Dibromotoluene-FID	96	70 - 130
2,5-Dibromotoluene-PID	90	70 - 130

**Sample Weight Determination**

Weight 1	5.85	g	1	MADEP VPH	11/21/06 0:00	Brown
Weight 2	5.73	g	1	MADEP VPH	11/21/06 0:00	Brown

**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

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215 Client Sample ID: 1XCAV6-11  
 Project ID: DOT-Alamance-Burlington Prism Sample ID: 166949  
 Project No.: WBS# 34911.1.1 COC Group: G1106572  
 Sample Matrix: Soil Time Collected: 11/15/06 17:10  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Percent Solids Determination</b>									
Percent Solids	74.0	%			1	SM2540 G	11/20/06 15:20	athao	
<b>Sample Weight Determination</b>									
Weight Bisulfate 1	6.45	g			1	5035	11/27/06 0:00	brown	
Weight Bisulfate 2	6.49	g			1	5035	11/27/06 0:00	brown	
<b>Volatile Organic Compounds by GC/MS</b>									
1,1,1-Trichloroethane	BRL	mg/kg	0.0052	0.00029	1	8260B	11/28/06 2:30	erussell	Q19447
1,1,2,2-Tetrachloroethane	BRL	mg/kg	0.0052	0.00053	1	8260B	11/28/06 2:30	erussell	Q19447
1,1,2-Trichloroethane	BRL	mg/kg	0.0052	0.00032	1	8260B	11/28/06 2:30	erussell	Q19447
1,1-Dichloroethane	BRL	mg/kg	0.0052	0.00038	1	8260B	11/28/06 2:30	erussell	Q19447
1,1-Dichloroethene	BRL	mg/kg	0.0052	0.0004	1	8260B	11/28/06 2:30	erussell	Q19447
1,1-Dichloropropene	BRL	mg/kg	0.0052	0.00046	1	8260B	11/28/06 2:30	erussell	Q19447
1,2,3-Trichlorobenzene	BRL	mg/kg	0.0052	0.00058	1	8260B	11/28/06 2:30	erussell	Q19447
1,2,3-Trichloropropane	BRL	mg/kg	0.0052	0.00046	1	8260B	11/28/06 2:30	erussell	Q19447
1,2,4-Trichlorobenzene	BRL	mg/kg	0.0052	0.0005	1	8260B	11/28/06 2:30	erussell	Q19447
1,2,4-Trimethylbenzene	BRL	mg/kg	0.0052	0.0004	1	8260B	11/28/06 2:30	erussell	Q19447
1,2-Dibromoethane (EDB)	BRL	mg/kg	0.0052	0.000094	1	8260B	11/28/06 2:30	erussell	Q19447
1,2-Dichlorobenzene	BRL	mg/kg	0.0052	0.00028	1	8260B	11/28/06 2:30	erussell	Q19447
1,2-Dichloroethane	BRL	mg/kg	0.0052	0.00052	1	8260B	11/28/06 2:30	erussell	Q19447
1,2-Dichloropropane	BRL	mg/kg	0.0052	0.00039	1	8260B	11/28/06 2:30	erussell	Q19447
1,3,5-Trimethylbenzene	BRL	mg/kg	0.0052	0.00044	1	8260B	11/28/06 2:30	erussell	Q19447
1,3-Dichlorobenzene	BRL	mg/kg	0.0052	0.00045	1	8260B	11/28/06 2:30	erussell	Q19447
1,3-Dichloropropane	BRL	mg/kg	0.0052	0.00036	1	8260B	11/28/06 2:30	erussell	Q19447
1,4-Dichlorobenzene	BRL	mg/kg	0.0052	0.00041	1	8260B	11/28/06 2:30	erussell	Q19447
2,2-Dichloropropane	BRL	mg/kg	0.0052	0.00026	1	8260B	11/28/06 2:30	erussell	Q19447
2-Chlorotoluene	BRL	mg/kg	0.0052	0.00039	1	8260B	11/28/06 2:30	erussell	Q19447
2-Hexanone	BRL	mg/kg	0.052	0.00054	1	8260B	11/28/06 2:30	erussell	Q19447

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shau/El  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 1XCAV6-11  
 Prism Sample ID: 166949  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 COC Group: G1106572  
 Time Collected: 11/15/06 17:10  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	mg/kg	0.0052	0.00027	1	8260B	11/28/06 2:30	erussell	Q19447
4-Methyl-2-pentanone (MIBK)	BRL	mg/kg	0.052	0.00052	1	8260B	11/28/06 2:30	erussell	Q19447
Acetone	BRL	mg/kg	0.052	0.0021	1	8260B	11/28/06 2:30	erussell	Q19447
Benzene	BRL	mg/kg	0.0031	0.00042	1	8260B	11/28/06 2:30	erussell	Q19447
Bromobenzene	BRL	mg/kg	0.0052	0.00037	1	8260B	11/28/06 2:30	erussell	Q19447
Bromochloromethane	BRL	mg/kg	0.0052	0.00031	1	8260B	11/28/06 2:30	erussell	Q19447
Bromodichloromethane	BRL	mg/kg	0.0052	0.00046	1	8260B	11/28/06 2:30	erussell	Q19447
Bromoform	BRL	mg/kg	0.0052	0.00039	1	8260B	11/28/06 2:30	erussell	Q19447
Bromomethane	BRL	mg/kg	0.010	0.00061	1	8260B	11/28/06 2:30	erussell	Q19447
Carbon tetrachloride	BRL	mg/kg	0.0052	0.0003	1	8260B	11/28/06 2:30	erussell	Q19447
Chlorobenzene	BRL	mg/kg	0.0052	0.0004	1	8260B	11/28/06 2:30	erussell	Q19447
Chlorodibromomethane	BRL	mg/kg	0.0052	0.00036	1	8260B	11/28/06 2:30	erussell	Q19447
Chloroethane	BRL	mg/kg	0.010	0.00043	1	8260B	11/28/06 2:30	erussell	Q19447
Chloroform	BRL	mg/kg	0.0052	0.00039	1	8260B	11/28/06 2:30	erussell	Q19447
Chloromethane	BRL	mg/kg	0.0052	0.00037	1	8260B	11/28/06 2:30	erussell	Q19447
cis-1,2-Dichloroethene	BRL	mg/kg	0.0052	0.00023	1	8260B	11/28/06 2:30	erussell	Q19447
cis-1,3-Dichloropropene	BRL	mg/kg	0.0052	0.00034	1	8260B	11/28/06 2:30	erussell	Q19447
Dichlorodifluoromethane	BRL	mg/kg	0.0052	0.0012	1	8260B	11/28/06 2:30	erussell	Q19447
Ethylbenzene	BRL	mg/kg	0.0052	0.00037	1	8260B	11/28/06 2:30	erussell	Q19447
Isopropyl ether (IPE)	BRL	mg/kg	0.0052	0.00018	1	8260B	11/28/06 2:30	erussell	Q19447
Isopropylbenzene	BRL	mg/kg	0.0052	0.00042	1	8260B	11/28/06 2:30	erussell	Q19447
m,p-Xylenes	BRL	mg/kg	0.010	0.00073	1	8260B	11/28/06 2:30	erussell	Q19447
Methyl ethyl ketone (MEK)	BRL	mg/kg	0.10	0.0015	1	8260B	11/28/06 2:30	erussell	Q19447
Methyl t-butyl ether (MTBE)	BRL	mg/kg	0.010	0.0003	1	8260B	11/28/06 2:30	erussell	Q19447
Methylene chloride	BRL	mg/kg	0.0052	0.00043	1	8260B	11/28/06 2:30	erussell	Q19447
n-Butylbenzene	BRL	mg/kg	0.0052	0.00042	1	8260B	11/28/06 2:30	erussell	Q19447
n-Propylbenzene	BRL	mg/kg	0.0052	0.00031	1	8260B	11/28/06 2:30	erussell	Q19447
Naphthalene	BRL	mg/kg	0.010	0.00061	1	8260B	11/28/06 2:30	erussell	Q19447

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 1XCAV6-11  
 Prism Sample ID: 166949  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 17:10  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
o-Xylene	BRL	mg/kg	0.0052	0.00031	1	8260B	11/28/06 2:30	erussell	Q19447
p-Isopropyltoluene	BRL	mg/kg	0.0052	0.00043	1	8260B	11/28/06 2:30	erussell	Q19447
sec-Butylbenzene	BRL	mg/kg	0.0052	0.00035	1	8260B	11/28/06 2:30	erussell	Q19447
Styrene	BRL	mg/kg	0.0052	0.00052	1	8260B	11/28/06 2:30	erussell	Q19447
tert-Butylbenzene	BRL	mg/kg	0.0052	0.00032	1	8260B	11/28/06 2:30	erussell	Q19447
Tetrachloroethene	BRL	mg/kg	0.0052	0.0009	1	8260B	11/28/06 2:30	erussell	Q19447
Toluene	BRL	mg/kg	0.0052	0.00036	1	8260B	11/28/06 2:30	erussell	Q19447
trans-1,2-Dichloroethene	BRL	mg/kg	0.0052	0.0004	1	8260B	11/28/06 2:30	erussell	Q19447
trans-1,3-Dichloropropene	BRL	mg/kg	0.0052	0.00037	1	8260B	11/28/06 2:30	erussell	Q19447
Trichloroethene	BRL	mg/kg	0.0052	0.00031	1	8260B	11/28/06 2:30	erussell	Q19447
Trichlorofluoromethane	BRL	mg/kg	0.0052	0.00043	1	8260B	11/28/06 2:30	erussell	Q19447
Vinyl acetate	BRL	mg/kg	0.026	0.0019	1	8260B	11/28/06 2:30	erussell	Q19447
Vinyl chloride	BRL	mg/kg	0.0052	0.00067	1	8260B	11/28/06 2:30	erussell	Q19447

Surrogate	% Recovery	Control Limits
Bromofluorobenzene	104	77 - 128
Dibromofluoromethane	100	67 - 143
Toluene-d8	97	81 - 128

**Semi-volatile Organic Compounds by GC/MS**

1,2,4-Trichlorobenzene	BRL	mg/kg	0.45	0.074	1	8270C	11/29/06 15:50	kelliot	Q19517
1,2-Dichlorobenzene	BRL	mg/kg	0.45	0.061	1	8270C	11/29/06 15:50	kelliot	Q19517
1,3-Dichlorobenzene	BRL	mg/kg	0.45	0.046	1	8270C	11/29/06 15:50	kelliot	Q19517
1,4-Dichlorobenzene	BRL	mg/kg	0.45	0.038	1	8270C	11/29/06 15:50	kelliot	Q19517
2,4,5-Trichlorophenol	BRL	mg/kg	0.45	0.10	1	8270C	11/29/06 15:50	kelliot	Q19517
2,4,6-Trichlorophenol	BRL	mg/kg	0.45	0.095	1	8270C	11/29/06 15:50	kelliot	Q19517
2,4-Dichlorophenol	BRL	mg/kg	0.45	0.092	1	8270C	11/29/06 15:50	kelliot	Q19517
2,4-Dimethylphenol	BRL	mg/kg	0.45	0.086	1	8270C	11/29/06 15:50	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaul/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215 Client Sample ID: 1XCAV6-11  
 Prism Sample ID: 166949  
 Project ID: DOT-Alamance-Burlington COC Group: G1106572  
 Project No.: WBS# 34911.1.1 Time Collected: 11/15/06 17:10  
 Sample Matrix: Soil Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
2,4-Dinitrophenol	BRL	mg/kg	2.2	0.11	1	8270C	11/29/06 15:50	kelliot	Q19517
2,4-Dinitrotoluene	BRL	mg/kg	0.45	0.069	1	8270C	11/29/06 15:50	kelliot	Q19517
2,6-Dinitrotoluene	BRL	mg/kg	0.45	0.053	1	8270C	11/29/06 15:50	kelliot	Q19517
2-Chloronaphthalene	BRL	mg/kg	0.45	0.073	1	8270C	11/29/06 15:50	kelliot	Q19517
2-Chlorophenol	BRL	mg/kg	0.45	0.045	1	8270C	11/29/06 15:50	kelliot	Q19517
2-Methylnaphthalene	BRL	mg/kg	0.45	0.076	1	8270C	11/29/06 15:50	kelliot	Q19517
2-Methylphenol	BRL	mg/kg	0.45	0.072	1	8270C	11/29/06 15:50	kelliot	Q19517
2-Nitrophenol	BRL	mg/kg	0.45	0.057	1	8270C	11/29/06 15:50	kelliot	Q19517
3&4-Methylphenol	BRL	mg/kg	0.45	0.070	1	8270C	11/29/06 15:50	kelliot	Q19517
2,3'-Dichlorobenzidine	BRL	mg/kg	0.89	0.15	1	8270C	11/29/06 15:50	kelliot	Q19517
4,6-Dinitro-2-methylphenol	BRL	mg/kg	2.2	0.10	1	8270C	11/29/06 15:50	kelliot	Q19517
4-Bromophenylphenylether	BRL	mg/kg	0.45	0.074	1	8270C	11/29/06 15:50	kelliot	Q19517
4-Chloro-3-methylphenol	BRL	mg/kg	0.89	0.084	1	8270C	11/29/06 15:50	kelliot	Q19517
4-Chloroaniline	BRL	mg/kg	0.45	0.099	1	8270C	11/29/06 15:50	kelliot	Q19517
4-Chlorophenylphenylether	BRL	mg/kg	0.45	0.068	1	8270C	11/29/06 15:50	kelliot	Q19517
4-Nitrophenol	BRL	mg/kg	2.2	0.11	1	8270C	11/29/06 15:50	kelliot	Q19517
Acenaphthene	BRL	mg/kg	0.45	0.085	1	8270C	11/29/06 15:50	kelliot	Q19517
Acenaphthylene	BRL	mg/kg	0.45	0.084	1	8270C	11/29/06 15:50	kelliot	Q19517
Anthracene	BRL	mg/kg	0.45	0.054	1	8270C	11/29/06 15:50	kelliot	Q19517
Azobenzene	BRL	mg/kg	2.2	0.23	1	8270C	11/29/06 15:50	kelliot	Q19517
Benzo(a)anthracene	BRL	mg/kg	0.45	0.088	1	8270C	11/29/06 15:50	kelliot	Q19517
Benzo(a)pyrene	BRL	mg/kg	0.45	0.045	1	8270C	11/29/06 15:50	kelliot	Q19517
Benzo(b)fluoranthene	BRL	mg/kg	0.45	0.059	1	8270C	11/29/06 15:50	kelliot	Q19517
Benzo(g,h,i)perylene	BRL	mg/kg	0.45	0.10	1	8270C	11/29/06 15:50	kelliot	Q19517
Benzo(k)fluoranthene	BRL	mg/kg	0.45	0.053	1	8270C	11/29/06 15:50	kelliot	Q19517
Benzoic acid	BRL	mg/kg	2.2	0.19	1	8270C	11/29/06 15:50	kelliot	Q19517
Benzyl alcohol	BRL	mg/kg	0.89	0.073	1	8270C	11/29/06 15:50	kelliot	Q19517
Bis(2-chloroethoxy)methane	BRL	mg/kg	0.45	0.085	1	8270C	11/29/06 15:50	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shau/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St/Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 1XCAV8-11  
 Prism Sample ID: 166949  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 17:10  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-chloroethyl)ether	BRL	mg/kg	0.45	0.031	1	8270C	11/29/06 15:50	kelliot	Q19517
Bis(2-chloroisopropyl)ether	BRL	mg/kg	0.45	0.062	1	8270C	11/29/06 15:50	kelliot	Q19517
Bis(2-ethylhexyl)phthalate	BRL	mg/kg	0.45	0.049	1	8270C	11/29/06 15:50	kelliot	Q19517
Butylbenzylphthalate	BRL	mg/kg	0.45	0.046	1	8270C	11/29/06 15:50	kelliot	Q19517
Chrysene	BRL	mg/kg	0.45	0.084	1	8270C	11/29/06 15:50	kelliot	Q19517
Di-n-butylphthalate	BRL	mg/kg	0.45	0.061	1	8270C	11/29/06 15:50	kelliot	Q19517
Di-n-octylphthalate	BRL	mg/kg	0.45	0.077	1	8270C	11/29/06 15:50	kelliot	Q19517
Dibenzo(a,h)anthracene	BRL	mg/kg	0.45	0.11	1	8270C	11/29/06 15:50	kelliot	Q19517
Dibenzofuran	BRL	mg/kg	0.45	0.082	1	8270C	11/29/06 15:50	kelliot	Q19517
Diethylphthalate	BRL	mg/kg	0.45	0.045	1	8270C	11/29/06 15:50	kelliot	Q19517
Dimethylphthalate	BRL	mg/kg	0.45	0.061	1	8270C	11/29/06 15:50	kelliot	Q19517
Fluoranthene	BRL	mg/kg	0.45	0.054	1	8270C	11/29/06 15:50	kelliot	Q19517
Fluorene	BRL	mg/kg	0.45	0.084	1	8270C	11/29/06 15:50	kelliot	Q19517
Hexachlorobenzene	BRL	mg/kg	0.45	0.065	1	8270C	11/29/06 15:50	kelliot	Q19517
Hexachlorobutadiene	BRL	mg/kg	0.45	0.058	1	8270C	11/29/06 15:50	kelliot	Q19517
Hexachlorocyclopentadiene	BRL	mg/kg	0.45	0.10	1	8270C	11/29/06 15:50	kelliot	Q19517
Hexachloroethane	BRL	mg/kg	0.45	0.059	1	8270C	11/29/06 15:50	kelliot	Q19517
Indeno(1,2,3-cd)pyrene	BRL	mg/kg	0.45	0.11	1	8270C	11/29/06 15:50	kelliot	Q19517
Isophorone	BRL	mg/kg	0.45	0.082	1	8270C	11/29/06 15:50	kelliot	Q19517
N-Nitrosodl-n-propylamine	BRL	mg/kg	0.45	0.081	1	8270C	11/29/06 15:50	kelliot	Q19517
N-Nitrosodiphenylamine	BRL	mg/kg	0.45	0.065	1	8270C	11/29/06 15:50	kelliot	Q19517
Naphthalene	BRL	mg/kg	0.45	0.062	1	8270C	11/29/06 15:50	kelliot	Q19517
Nitrobenzene	BRL	mg/kg	0.45	0.081	1	8270C	11/29/06 15:50	kelliot	Q19517
Pentachlorophenol	BRL	mg/kg	2.2	0.058	1	8270C	11/29/06 15:50	kelliot	Q19517
Phenanthrene	BRL	mg/kg	0.45	0.050	1	8270C	11/29/06 15:50	kelliot	Q19517
Phenol	BRL	mg/kg	0.45	0.054	1	8270C	11/29/06 15:50	kelliot	Q19517
Pyrene	BRL	mg/kg	0.45	0.035	1	8270C	11/29/06 15:50	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Client Sample ID: 1XCAV6-11  
 Rd. Burlington, NC 27215 Prism Sample ID: 186949  
 Project ID: DOT-Alamance-Burlington COC Group: G1106572  
 Project No.: WBS# 34911.1.1 Time Collected: 11/15/06 17:10  
 Sample Matrix: Soil Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Sample Preparation: 30.01 g / 1 mL 35508 11/28/06 7:00 dpope P16943

Surrogate	% Recovery	Control Limits
2,4,6-Tribromophenol	83	25 - 123
2-Fluorobiphenyl	60	21 - 108
2-Fluorophenol	55	14 - 89
Nitrobenzene-d5	65	14 - 103
Phenol-d5	52	13 - 95
Terphenyl-d14	102	41 - 136

**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	13	13	1	MADEP EPH	11/30/06 16:57	grappaccoli	Q19505
C19-C36 Aliphatics	BRL	mg/kg	13	8.2	1	MADEP EPH	11/30/06 16:57	grappaccoli	Q19505
C9-C18 Aliphatics	BRL	mg/kg	13	12	1	MADEP EPH	11/30/06 16:57	grappaccoli	Q19505

\* Analysis Note for C11-C22 Aromatics: Adjusted value.

Sample Preparation: 10.06 g / 2 mL EPH 11/21/06 10:00 dpope P16905

Surrogate	% Recovery	Control Limits
1-Chloro-octadecane	108	40 - 140
2-Bromonaphthalene	87	40 - 140
2-Fluorobiphenyl	120	40 - 140
o-Terphenyl	99	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	9.5	4.7	1	MADEP VPH	11/28/06 17:39	erussell	Q19470
C9-C10 Aromatics	BRL	mg/kg	9.5	4.7	1	MADEP VPH	11/28/06 17:39	erussell	Q19470
C9-C12 Aliphatics	BRL	mg/kg	9.5	4.7	1	MADEP VPH	11/28/06 17:39	erussell	Q19470

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. MebaneSL/Alamance Client Sample ID: 1XCAV6-11  
 Rd. Burlington, NC 27215 Prism Sample ID: 166949  
 Project ID: DOT-Alamance-Burlington COC Group: G1106572  
 Project No.: WBS# 34911.1.1 Time Collected: 11/15/06 17:10  
 Sample Matrix: Soil Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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- \* Analysis Note for C5-C8 Aliphatics: Adjusted value.
- \* Analysis Note for C9-C12 Aliphatics: Adjusted value.

Surrogate	% Recovery	Control Limits
2,5-Dibromotoluene-FID	82	70 - 130
2,5-Dibromotoluene-PID	95	70 - 130

**Sample Weight Determination**

Weight 1	6.05	g	1	MADEP VPH	11/21/06 0:00	lbrown
Weight 2	5.65	g	1	MADEP VPH	11/21/06 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

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 1XCAV7-11  
 Prism Sample ID: 166950  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 17:15  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Percent Solids Determination</b>									
Percent Solids	78.7	%			1	SM2540 G	11/20/06 15:20	athao	
<b>Sample Weight Determination</b>									
Weight Bisulfate 1	6.39	g			1	5035	11/27/06 0:00	lbrown	
Weight Bisulfate 2	7.36	g			1	5035	11/27/06 0:00	lbrown	
<b>Volatile Organic Compounds by GC/MS</b>									
1,1,1-Trichloroethane	BRL	mg/kg	0.0050	0.00028	1	8260B	11/28/06 3:01	erussell	Q19447
1,1,2,2-Tetrachloroethane	BRL	mg/kg	0.0050	0.00051	1	8260B	11/28/06 3:01	erussell	Q19447
1,1,2-Trichloroethane	BRL	mg/kg	0.0050	0.00031	1	8260B	11/28/06 3:01	erussell	Q19447
1,1-Dichloroethane	BRL	mg/kg	0.0050	0.00036	1	8260B	11/28/06 3:01	erussell	Q19447
1,1-Dichloroethene	BRL	mg/kg	0.0050	0.00038	1	8260B	11/28/06 3:01	erussell	Q19447
1,1-Dichloropropene	BRL	mg/kg	0.0050	0.00044	1	8260B	11/28/06 3:01	erussell	Q19447
1,2,3-Trichlorobenzene	BRL	mg/kg	0.0050	0.00055	1	8260B	11/28/06 3:01	erussell	Q19447
1,2,3-Trichloropropane	BRL	mg/kg	0.0050	0.00044	1	8260B	11/28/06 3:01	erussell	Q19447
1,2,4-Trichlorobenzene	BRL	mg/kg	0.0050	0.00048	1	8260B	11/28/06 3:01	erussell	Q19447
1,2,4-Trimethylbenzene	BRL	mg/kg	0.0050	0.00038	1	8260B	11/28/06 3:01	erussell	Q19447
1,2-Dibromoethane (EDB)	BRL	mg/kg	0.0050	0.000089	1	8260B	11/28/06 3:01	erussell	Q19447
1,2-Dichlorobenzene	BRL	mg/kg	0.0050	0.00027	1	8260B	11/28/06 3:01	erussell	Q19447
1,2-Dichloroethane	BRL	mg/kg	0.0050	0.0005	1	8260B	11/28/06 3:01	erussell	Q19447
1,2-Dichloropropane	BRL	mg/kg	0.0050	0.00037	1	8260B	11/28/06 3:01	erussell	Q19447
1,3,5-Trimethylbenzene	BRL	mg/kg	0.0050	0.00042	1	8260B	11/28/06 3:01	erussell	Q19447
1,3-Dichlorobenzene	BRL	mg/kg	0.0050	0.00043	1	8260B	11/28/06 3:01	erussell	Q19447
1,3-Dichloropropane	BRL	mg/kg	0.0050	0.00034	1	8260B	11/28/06 3:01	erussell	Q19447
1,4-Dichlorobenzene	BRL	mg/kg	0.0050	0.00039	1	8260B	11/28/06 3:01	erussell	Q19447
2,2-Dichloropropane	BRL	mg/kg	0.0050	0.00025	1	8260B	11/28/06 3:01	erussell	Q19447
2-Chlorotoluene	BRL	mg/kg	0.0050	0.00037	1	8260B	11/28/06 3:01	erussell	Q19447
2-Hexanone	BRL	mg/kg	0.050	0.00052	1	8260B	11/28/06 3:01	erussell	Q19447

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
Attn: Bob Shaut/EI  
c/o Environmental Investigations, Inc  
2101 Gateway Centre Blvd. Ste 200  
Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
Client Sample ID: 1XCAV7-11  
Project ID: DOT-Alamance-Burlington  
Prism Sample ID: 166950  
Project No.: WBS# 34911.1.1  
COC Group: G1106572  
Sample Matrix: Soil  
Time Collected: 11/15/06 17:15  
Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	mg/kg	0.0050	0.00026	1	8260B	11/28/06 3:01	erussell	Q19447
4-Methyl-2-pentanone (MIBK)	BRL	mg/kg	0.050	0.0005	1	8260B	11/28/06 3:01	erussell	Q19447
Acetone	BRL	mg/kg	0.050	0.0019	1	8260B	11/28/06 3:01	erussell	Q19447
Benzene	BRL	mg/kg	0.0030	0.0004	1	8260B	11/28/06 3:01	erussell	Q19447
Bromobenzene	BRL	mg/kg	0.0050	0.00035	1	8260B	11/28/06 3:01	erussell	Q19447
Bromochloromethane	BRL	mg/kg	0.0050	0.0003	1	8260B	11/28/06 3:01	erussell	Q19447
Bromodichloromethane	BRL	mg/kg	0.0050	0.00044	1	8260B	11/28/06 3:01	erussell	Q19447
Bromoform	BRL	mg/kg	0.0050	0.00037	1	8260B	11/28/06 3:01	erussell	Q19447
Bromomethane	BRL	mg/kg	0.0099	0.00058	1	8260B	11/28/06 3:01	erussell	Q19447
Carbon tetrachloride	BRL	mg/kg	0.0050	0.00029	1	8260B	11/28/06 3:01	erussell	Q19447
Chlorobenzene	BRL	mg/kg	0.0050	0.00038	1	8260B	11/28/06 3:01	erussell	Q19447
Chlorodibromomethane	BRL	mg/kg	0.0050	0.00034	1	8260B	11/28/06 3:01	erussell	Q19447
Chloroethane	BRL	mg/kg	0.0099	0.00041	1	8260B	11/28/06 3:01	erussell	Q19447
Chloroform	BRL	mg/kg	0.0050	0.00037	1	8260B	11/28/06 3:01	erussell	Q19447
Chloromethane	BRL	mg/kg	0.0050	0.00035	1	8260B	11/28/06 3:01	erussell	Q19447
cis-1,2-Dichloroethene	BRL	mg/kg	0.0050	0.00022	1	8260B	11/28/06 3:01	erussell	Q19447
cis-1,3-Dichloropropene	BRL	mg/kg	0.0050	0.00032	1	8260B	11/28/06 3:01	erussell	Q19447
Dichlorodifluoromethane	BRL	mg/kg	0.0050	0.0011	1	8260B	11/28/06 3:01	erussell	Q19447
Ethylbenzene	BRL	mg/kg	0.0050	0.00035	1	8260B	11/28/06 3:01	erussell	Q19447
Isopropyl ether (IPE)	BRL	mg/kg	0.0050	0.00017	1	8260B	11/28/06 3:01	erussell	Q19447
Isopropylbenzene	BRL	mg/kg	0.0050	0.0004	1	8260B	11/28/06 3:01	erussell	Q19447
m,p-Xylenes	BRL	mg/kg	0.0099	0.0007	1	8260B	11/28/06 3:01	erussell	Q19447
Methyl ethyl ketone (MEK)	BRL	mg/kg	0.099	0.0014	1	8260B	11/28/06 3:01	erussell	Q19447
Methyl t-butyl ether (MTBE)	BRL	mg/kg	0.0099	0.00029	1	8260B	11/28/06 3:01	erussell	Q19447
Methylene chloride	BRL	mg/kg	0.0050	0.00041	1	8260B	11/28/06 3:01	erussell	Q19447
n-Butylbenzene	BRL	mg/kg	0.0050	0.0004	1	8260B	11/28/06 3:01	erussell	Q19447
n-Propylbenzene	BRL	mg/kg	0.0050	0.0003	1	8260B	11/28/06 3:01	erussell	Q19447
Naphthalene	BRL	mg/kg	0.0099	0.00058	1	8260B	11/28/06 3:01	erussell	Q19447

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

# Laboratory Report

12/05/08

N. C. Department of Transportation  
 Attn: Bob Shaul/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 Client Sample ID: 1XCAV7-11  
 Prism Sample ID: 166950  
 COC Group: G1106572  
 Time Collected: 11/15/06 17:15  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
o-Xylene	BRL	mg/kg	0.0050	0.0003	1	8260B	11/28/06 3:01	erussell	Q19447
p-Isopropyltoluene	BRL	mg/kg	0.0050	0.00041	1	8260B	11/28/06 3:01	erussell	Q19447
sec-Butylbenzene	BRL	mg/kg	0.0050	0.00033	1	8260B	11/28/06 3:01	erussell	Q19447
Styrene	BRL	mg/kg	0.0050	0.0005	1	8260B	11/28/06 3:01	erussell	Q19447
tert-Butylbenzene	BRL	mg/kg	0.0050	0.00031	1	8260B	11/28/06 3:01	erussell	Q19447
Tetrachloroethene	BRL	mg/kg	0.0050	0.00086	1	8260B	11/28/06 3:01	erussell	Q19447
Toluene	BRL	mg/kg	0.0050	0.00034	1	8260B	11/28/06 3:01	erussell	Q19447
trans-1,2-Dichloroethene	BRL	mg/kg	0.0050	0.00038	1	8260B	11/28/06 3:01	erussell	Q19447
trans-1,3-Dichloropropene	BRL	mg/kg	0.0050	0.00035	1	8260B	11/28/06 3:01	erussell	Q19447
Trichloroethene	BRL	mg/kg	0.0050	0.0003	1	8260B	11/28/06 3:01	erussell	Q19447
Trichlorofluoromethane	BRL	mg/kg	0.0050	0.00041	1	8260B	11/28/06 3:01	erussell	Q19447
Vinyl acetate	BRL	mg/kg	0.025	0.0018	1	8260B	11/28/06 3:01	erussell	Q19447
Vinyl chloride	BRL	mg/kg	0.0050	0.00064	1	8260B	11/28/06 3:01	erussell	Q19447

Surrogate	% Recovery	Control Limits
Bromofluorobenzene	102	77 - 128
Dibromofluoromethane	101	67 - 143
Toluene-d8	97	81 - 128

**Semi-volatile Organic Compounds by GC/MS**

1,2,4-Trichlorobenzene	BRL	mg/kg	0.42	0.071	1	8270C	11/29/06 16:40	kelliott	Q19517
1,2-Dichlorobenzene	BRL	mg/kg	0.42	0.058	1	8270C	11/29/06 16:40	kelliott	Q19517
1,3-Dichlorobenzene	BRL	mg/kg	0.42	0.044	1	8270C	11/29/06 16:40	kelliott	Q19517
1,4-Dichlorobenzene	BRL	mg/kg	0.42	0.035	1	8270C	11/29/06 16:40	kelliott	Q19517
2,4,5-Trichlorophenol	BRL	mg/kg	0.42	0.095	1	8270C	11/29/06 16:40	kelliott	Q19517
2,4,6-Trichlorophenol	BRL	mg/kg	0.42	0.090	1	8270C	11/29/06 16:40	kelliott	Q19517
2,4-Dichlorophenol	BRL	mg/kg	0.42	0.087	1	8270C	11/29/06 16:40	kelliott	Q19517
2,4-Dimethylphenol	BRL	mg/kg	0.42	0.082	1	8270C	11/29/06 16:40	kelliott	Q19517

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NC Certification No. 402  
 SC Certification No. 89012  
 NC Drinking Water Cert. No. 37735

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St/Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 1XCAY7-11  
 Prism Sample ID: 166950  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 COC Group: G1106572  
 Time Collected: 11/15/06 17:15  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
2,4-Dinitrophenol	BRL	mg/kg	2.1	0.11	1	8270C	11/29/06 16:40	kelliot	Q19517
2,4-Dinitrotoluene	BRL	mg/kg	0.42	0.066	1	8270C	11/29/06 16:40	kelliot	Q19517
2,6-Dinitrotoluene	BRL	mg/kg	0.42	0.050	1	8270C	11/29/06 16:40	kelliot	Q19517
2-Chloronaphthalene	BRL	mg/kg	0.42	0.069	1	8270C	11/29/06 16:40	kelliot	Q19517
2-Chlorophenol	BRL	mg/kg	0.42	0.042	1	8270C	11/29/06 16:40	kelliot	Q19517
2-Methylnaphthalene	BRL	mg/kg	0.42	0.072	1	8270C	11/29/06 16:40	kelliot	Q19517
2-Methylphenol	BRL	mg/kg	0.42	0.068	1	8270C	11/29/06 16:40	kelliot	Q19517
2-Nitrophenol	BRL	mg/kg	0.42	0.054	1	8270C	11/29/06 16:40	kelliot	Q19517
3&4-Methylphenol	BRL	mg/kg	0.42	0.067	1	8270C	11/29/06 16:40	kelliot	Q19517
3,3'-Dichlorobenzidine	BRL	mg/kg	0.85	0.14	1	8270C	11/29/06 16:40	kelliot	Q19517
4,6-Dinitro-2-methylphenol	BRL	mg/kg	2.1	0.095	1	8270C	11/29/06 16:40	kelliot	Q19517
4-Bromophenylphenylether	BRL	mg/kg	0.42	0.071	1	8270C	11/29/06 16:40	kelliot	Q19517
4-Chloro-3-methylphenol	BRL	mg/kg	0.85	0.079	1	8270C	11/29/06 16:40	kelliot	Q19517
4-Chloroaniline	BRL	mg/kg	0.42	0.094	1	8270C	11/29/06 16:40	kelliot	Q19517
4-Chlorophenylphenylether	BRL	mg/kg	0.42	0.064	1	8270C	11/29/06 16:40	kelliot	Q19517
4-Nitrophenol	BRL	mg/kg	2.1	0.11	1	8270C	11/29/06 16:40	kelliot	Q19517
Acenaphthene	BRL	mg/kg	0.42	0.081	1	8270C	11/29/06 16:40	kelliot	Q19517
Acenaphthylene	BRL	mg/kg	0.42	0.079	1	8270C	11/29/06 16:40	kelliot	Q19517
Anthracene	BRL	mg/kg	0.42	0.051	1	8270C	11/29/06 16:40	kelliot	Q19517
Azobenzene	BRL	mg/kg	2.1	0.22	1	8270C	11/29/06 16:40	kelliot	Q19517
Benzo(a)anthracene	BRL	mg/kg	0.42	0.083	1	8270C	11/29/06 16:40	kelliot	Q19517
Benzo(a)pyrene	BRL	mg/kg	0.42	0.042	1	8270C	11/29/06 16:40	kelliot	Q19517
Benzo(b)fluoranthene	BRL	mg/kg	0.42	0.058	1	8270C	11/29/06 16:40	kelliot	Q19517
Benzo(g,h,i)perylene	BRL	mg/kg	0.42	0.097	1	8270C	11/29/06 16:40	kelliot	Q19517
Benzo(k)fluoranthene	BRL	mg/kg	0.42	0.050	1	8270C	11/29/06 16:40	kelliot	Q19517
Benzoic acid	BRL	mg/kg	2.1	0.18	1	8270C	11/29/06 16:40	kelliot	Q19517
Benzyl alcohol	BRL	mg/kg	0.85	0.069	1	8270C	11/29/06 16:40	kelliot	Q19517
Bis(2-chloroethoxy)methane	BRL	mg/kg	0.42	0.081	1	8270C	11/29/06 16:40	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shau/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Client Sample ID: 1XCAV7-11  
 Rd. Burlington, NC 27215 Prism Sample ID: 166950  
 Project ID: DOT-Alamance-Burlington COC Group: G1106572  
 Project No.: WBS# 34911.1.1 Time Collected: 11/15/06 17:15  
 Sample Matrix: Soil Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-chloroethyl)ether	BRL	mg/kg	0.42	0.029	1	8270C	11/29/06 16:40	kelliot	Q19517
Bis(2-chloroisopropyl)ether	BRL	mg/kg	0.42	0.059	1	8270C	11/29/06 16:40	kelliot	Q19517
Bis(2-ethylhexyl)phthalate	BRL	mg/kg	0.42	0.046	1	8270C	11/29/06 16:40	kelliot	Q19517
Butylbenzylphthalate	BRL	mg/kg	0.42	0.044	1	8270C	11/29/06 16:40	kelliot	Q19517
Chrysene	BRL	mg/kg	0.42	0.079	1	8270C	11/29/06 16:40	kelliot	Q19517
Di-n-butylphthalate	BRL	mg/kg	0.42	0.058	1	8270C	11/29/06 16:40	kelliot	Q19517
Di-n-octylphthalate	BRL	mg/kg	0.42	0.073	1	8270C	11/29/06 16:40	kelliot	Q19517
Dibenzo(a,h)anthracene	BRL	mg/kg	0.42	0.10	1	8270C	11/29/06 16:40	kelliot	Q19517
Dibenzofuran	BRL	mg/kg	0.42	0.078	1	8270C	11/29/06 16:40	kelliot	Q19517
Diethylphthalate	BRL	mg/kg	0.42	0.042	1	8270C	11/29/06 16:40	kelliot	Q19517
Dimethylphthalate	BRL	mg/kg	0.42	0.058	1	8270C	11/29/06 16:40	kelliot	Q19517
Fluoranthene	BRL	mg/kg	0.42	0.051	1	8270C	11/29/06 16:40	kelliot	Q19517
Fluorene	BRL	mg/kg	0.42	0.079	1	8270C	11/29/06 16:40	kelliot	Q19517
Hexachlorobenzene	BRL	mg/kg	0.42	0.062	1	8270C	11/29/06 16:40	kelliot	Q19517
Hexachlorobutadiene	BRL	mg/kg	0.42	0.055	1	8270C	11/29/06 16:40	kelliot	Q19517
Hexachlorocyclopentadiene	BRL	mg/kg	0.42	0.097	1	8270C	11/29/06 16:40	kelliot	Q19517
Hexachloroethane	BRL	mg/kg	0.42	0.056	1	8270C	11/29/06 16:40	kelliot	Q19517
Indeno(1,2,3-cd)pyrene	BRL	mg/kg	0.42	0.11	1	8270C	11/29/06 16:40	kelliot	Q19517
Isophorone	BRL	mg/kg	0.42	0.078	1	8270C	11/29/06 16:40	kelliot	Q19517
N-Nitrosodi-n-propylamine	BRL	mg/kg	0.42	0.077	1	8270C	11/29/06 16:40	kelliot	Q19517
N-Nitrosodiphenylamine	BRL	mg/kg	0.42	0.062	1	8270C	11/29/06 16:40	kelliot	Q19517
Naphthalene	BRL	mg/kg	0.42	0.059	1	8270C	11/29/06 16:40	kelliot	Q19517
Nitrobenzene	BRL	mg/kg	0.42	0.077	1	8270C	11/29/06 16:40	kelliot	Q19517
Pentachlorophenol	BRL	mg/kg	2.1	0.055	1	8270C	11/29/06 16:40	kelliot	Q19517
Phenanthrene	BRL	mg/kg	0.42	0.047	1	8270C	11/29/06 16:40	kelliot	Q19517
Phenol	BRL	mg/kg	0.42	0.051	1	8270C	11/29/06 16:40	kelliot	Q19517
Pyrene	BRL	mg/kg	0.42	0.033	1	8270C	11/29/06 16:40	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaul/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 1XCAV7-11  
 Prism Sample ID: 166950  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 17:15  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Sample Preparation: 29.73 g / 1 mL 3550B 11/28/06 7:00 dpope P16943

Surrogate	% Recovery	Control Limits
2,4,6-Tribromophenol	82	25 - 123
2-Fluorobiphenyl	84	21 - 108
2-Fluorophenol	57	14 - 89
Nitrobenzene-d5	69	14 - 103
Phenol-d5	57	13 - 95
Terphenyl-d14	115	41 - 136

**Extractable Petroleum Hydrocarbons by GC-FID**

C11-C22 Aromatics	BRL	mg/kg	13	13	1	MADEP EPH	11/30/06 1:33	grappaccoli	Q19505
C19-C36 Aliphatics	BRL	mg/kg	13	8.0	1	MADEP EPH	11/30/06 1:33	grappaccoli	Q19505
C9-C18 Aliphatics	BRL	mg/kg	13	11	1	MADEP EPH	11/30/06 1:33	grappaccoli	Q19505

\* Analysis Note for C11-C22 Aromatics: Adjusted value.

Sample Preparation: 9.68 g / 2 mL EPH 11/21/06 10:00 dpope P16905

Surrogate	% Recovery	Control Limits
2-Bromonaphthalene	97	40 - 140
2-Fluorobiphenyl	88	40 - 140
o-Terphenyl	111	40 - 140
1-Chloro-octadecane	118	40 - 140

**Volatile Petroleum Hydrocarbons by GC-PID/FID**

C5-C8 Aliphatics	BRL	mg/kg	8.9	4.4	1	MADEP VPH	11/28/06 18:31	erussell	Q19470
C9-C10 Aromatics	BRL	mg/kg	8.9	4.4	1	MADEP VPH	11/28/06 18:31	erussell	Q19470
C9-C12 Aliphatics	BRL	mg/kg	8.9	4.4	1	MADEP VPH	11/28/06 18:31	erussell	Q19470

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane SL/Alamance Client Sample ID: 1XCAV7-11  
 Rd. Burlington, NC 27215 Prism Sample ID: 166950  
 Project ID: DOT-Alamance-Burlington COC Group: G1106572  
 Project No.: WBS# 34911.1.1 Time Collected: 11/15/06 17:15  
 Sample Matrix: Soil Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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- \* Analysis Note for C5-C8 Aliphatics: Adjusted value.
- \* Analysis Note for C9-C12 Aliphatics: Adjusted value.

Surrogate	% Recovery	Control Limits
2,5-Dibromotoluene-FID	81	70 - 130
2,5-Dibromotoluene-PID	125	70 - 130

**Sample Weight Determination**

Weight 1	6.62	g	1	MADEP VPH	11/21/06 0:00	lbrown
Weight 2	6.66	g	1	MADEP VPH	11/21/06 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

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shau/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St/Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 1XCAV8-11  
 Prism Sample ID: 166951  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 COC Group: G1106572  
 Sample Matrix: Soil  
 Time Collected: 11/15/06 17:25  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Percent Solids Determination</b>									
Percent Solids	81.7	%			1	SM2540 G	11/20/06 15:20	athao	
<b>Sample Weight Determination</b>									
Weight Bisulfate 1	6.33	g			1	5035	11/27/06 0:00	lbrown	
Weight Bisulfate 2	6.63	g			1	5035	11/27/06 0:00	lbrown	
<b>Volatle Organic Compounds by GC/MS</b>									
1,1,1-Trichloroethane	BRL	mg/kg	0.0048	0.00027	1	8260B	11/28/06 21:26	erussell	Q19520
1,1,2,2-Tetrachloroethane	BRL	mg/kg	0.0048	0.00049	1	8260B	11/28/06 21:26	erussell	Q19520
1,1,2-Trichloroethane	BRL	mg/kg	0.0048	0.0003	1	8260B	11/28/06 21:26	erussell	Q19520
1,1-Dichloroethane	BRL	mg/kg	0.0048	0.00035	1	8260B	11/28/06 21:26	erussell	Q19520
1,1-Dichloroethene	BRL	mg/kg	0.0048	0.00037	1	8260B	11/28/06 21:26	erussell	Q19520
1,1-Dichloropropene	BRL	mg/kg	0.0048	0.00043	1	8260B	11/28/06 21:26	erussell	Q19520
1,2,3-Trichlorobenzene	BRL	mg/kg	0.0048	0.00053	1	8260B	11/28/06 21:26	erussell	Q19520
1,2,3-Trichloropropane	BRL	mg/kg	0.0048	0.00043	1	8260B	11/28/06 21:26	erussell	Q19520
1,2,4-Trichlorobenzene	BRL	mg/kg	0.0048	0.00046	1	8260B	11/28/06 21:26	erussell	Q19520
1,2,4-Trimethylbenzene	0.024	mg/kg	0.0048	0.00037	1	8260B	11/28/06 21:26	erussell	Q19520
1,2-Dibromoethane (EDB)	BRL	mg/kg	0.0048	0.000087	1	8260B	11/28/06 21:26	erussell	Q19520
1,2-Dichlorobenzene	BRL	mg/kg	0.0048	0.00026	1	8260B	11/28/06 21:26	erussell	Q19520
1,2-Dichloroethane	BRL	mg/kg	0.0048	0.00048	1	8260B	11/28/06 21:26	erussell	Q19520
1,2-Dichloropropane	BRL	mg/kg	0.0048	0.00036	1	8260B	11/28/06 21:26	erussell	Q19520
1,3,5-Trimethylbenzene	0.0068	mg/kg	0.0048	0.00041	1	8260B	11/28/06 21:26	erussell	Q19520
1,3-Dichlorobenzene	BRL	mg/kg	0.0048	0.00042	1	8260B	11/28/06 21:26	erussell	Q19520
1,3-Dichloropropane	BRL	mg/kg	0.0048	0.00033	1	8260B	11/28/06 21:26	erussell	Q19520
1,4-Dichlorobenzene	BRL	mg/kg	0.0048	0.00038	1	8260B	11/28/06 21:26	erussell	Q19520
2,2-Dichloropropane	BRL	mg/kg	0.0048	0.00024	1	8260B	11/28/06 21:26	erussell	Q19520
2-Chlorotoluene	BRL	mg/kg	0.0048	0.00036	1	8260B	11/28/06 21:26	erussell	Q19520
2-Hexanone	BRL	mg/kg	0.048	0.0005	1	8260B	11/28/06 21:26	erussell	Q19520

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215 Client Sample ID: 1XCAV8-11  
 Prism Sample ID: 166951  
 Project ID: DOT-Alamance-Burlington COC Group: G1106572  
 Project No.: WBS# 34911.1.1 Time Collected: 11/15/06 17:25  
 Sample Matrix: Soil Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Chlorotoluene	BRL	mg/kg	0.0048	0.00025	1	8260B	11/28/06 21:26	erussell	Q19520
4-Methyl-2-pentanone (MIBK)	BRL	mg/kg	0.048	0.00048	1	8260B	11/28/06 21:26	erussell	Q19520
Acetone	BRL	mg/kg	0.048	0.0019	1	8260B	11/28/06 21:26	erussell	Q19520
Benzene	BRL	mg/kg	0.0029	0.00039	1	8260B	11/28/06 21:26	erussell	Q19520
Bromobenzene	BRL	mg/kg	0.0048	0.00034	1	8260B	11/28/06 21:26	erussell	Q19520
Bromochloromethane	BRL	mg/kg	0.0048	0.00029	1	8260B	11/28/06 21:26	erussell	Q19520
Bromodichloromethane	BRL	mg/kg	0.0048	0.00043	1	8260B	11/28/06 21:26	erussell	Q19520
Bromoform	BRL	mg/kg	0.0048	0.00036	1	8260B	11/28/06 21:26	erussell	Q19520
Bromomethane	BRL	mg/kg	0.0097	0.00056	1	8260B	11/28/06 21:26	erussell	Q19520
Carbon tetrachloride	BRL	mg/kg	0.0048	0.00028	1	8260B	11/28/06 21:26	erussell	Q19520
Chlorobenzene	BRL	mg/kg	0.0048	0.00037	1	8260B	11/28/06 21:26	erussell	Q19520
Chlorodibromomethane	BRL	mg/kg	0.0048	0.00033	1	8260B	11/28/06 21:26	erussell	Q19520
Chloroethane	BRL	mg/kg	0.0097	0.0004	1	8260B	11/28/06 21:26	erussell	Q19520
Chloroform	BRL	mg/kg	0.0048	0.00036	1	8260B	11/28/06 21:26	erussell	Q19520
Chloromethane	BRL	mg/kg	0.0048	0.00034	1	8260B	11/28/06 21:26	erussell	Q19520
cis-1,2-Dichloroethene	BRL	mg/kg	0.0048	0.00021	1	8260B	11/28/06 21:26	erussell	Q19520
cis-1,3-Dichloropropene	BRL	mg/kg	0.0048	0.00031	1	8260B	11/28/06 21:26	erussell	Q19520
Dichlorodifluoromethane	BRL	mg/kg	0.0048	0.0011	1	8260B	11/28/06 21:26	erussell	Q19520
Ethylbenzene	0.0030 J	mg/kg	0.0048	0.00034	1	8260B	11/28/06 21:26	erussell	Q19520
Isopropyl ether (IPE)	BRL	mg/kg	0.0048	0.00016	1	8260B	11/28/06 21:26	erussell	Q19520
Isopropylbenzene	BRL	mg/kg	0.0048	0.00039	1	8260B	11/28/06 21:26	erussell	Q19520
m,p-Xylenes	0.013	mg/kg	0.0097	0.00068	1	8260B	11/28/06 21:26	erussell	Q19520
Methyl ethyl ketone (MEK)	BRL	mg/kg	0.097	0.0014	1	8260B	11/28/06 21:26	erussell	Q19520
Methyl t-butyl ether (MTBE)	BRL	mg/kg	0.0097	0.00028	1	8260B	11/28/06 21:26	erussell	Q19520
Methylene chloride	BRL	mg/kg	0.0048	0.0004	1	8260B	11/28/06 21:26	erussell	Q19520
n-Butylbenzene	0.0028 J	mg/kg	0.0048	0.00039	1	8260B	11/28/06 21:26	erussell	Q19520
n-Propylbenzene	0.0028 J	mg/kg	0.0048	0.00029	1	8260B	11/28/06 21:26	erussell	Q19520
naphthalene	0.024	mg/kg	0.0097	0.00056	1	8260B	11/28/06 21:26	erussell	Q19520

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 1XCAV8-11  
 Prism Sample ID: 166951  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 17:25  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
o-Xylene	0.0067	mg/kg	0.0048	0.00029	1	8260B	11/28/06 21:26	erussell	Q19520
p-Isopropyltoluene	BRL	mg/kg	0.0048	0.0004	1	8260B	11/28/06 21:26	erussell	Q19520
sec-Butylbenzene	BRL	mg/kg	0.0048	0.00032	1	8260B	11/28/06 21:26	erussell	Q19520
Styrene	BRL	mg/kg	0.0048	0.00048	1	8260B	11/28/06 21:26	erussell	Q19520
tert-Butylbenzene	BRL	mg/kg	0.0048	0.0003	1	8260B	11/28/06 21:26	erussell	Q19520
Tetrachloroethene	BRL	mg/kg	0.0048	0.00083	1	8260B	11/28/06 21:26	erussell	Q19520
Toluene	BRL	mg/kg	0.0048	0.00033	1	8260B	11/28/06 21:26	erussell	Q19520
trans-1,2-Dichloroethene	BRL	mg/kg	0.0048	0.00037	1	8260B	11/28/06 21:26	erussell	Q19520
trans-1,3-Dichloropropene	BRL	mg/kg	0.0048	0.00034	1	8260B	11/28/06 21:26	erussell	Q19520
Trichloroethene	BRL	mg/kg	0.0048	0.00029	1	8260B	11/28/06 21:26	erussell	Q19520
Trichlorofluoromethane	BRL	mg/kg	0.0048	0.0004	1	8260B	11/28/06 21:26	erussell	Q19520
Vinyl acetate	BRL	mg/kg	0.024	0.0017	1	8260B	11/28/06 21:26	erussell	Q19520
Vinyl chloride	BRL	mg/kg	0.0048	0.00062	1	8260B	11/28/06 21:26	erussell	Q19520

Surrogate	% Recovery	Control Limits
Bromofluorobenzene	103	77 - 128
Dibromofluoromethane	96	67 - 143
Toluene-d8	97	81 - 128

**Semi-volatile Organic Compounds by GC/MS**

1,2,4-Trichlorobenzene	BRL	mg/kg	0.40	0.067	1	8270C	11/29/06 17:31	kellot	Q19517
1,2-Dichlorobenzene	BRL	mg/kg	0.40	0.055	1	8270C	11/29/06 17:31	kellot	Q19517
1,3-Dichlorobenzene	BRL	mg/kg	0.40	0.041	1	8270C	11/29/06 17:31	kellot	Q19517
1,4-Dichlorobenzene	BRL	mg/kg	0.40	0.033	1	8270C	11/29/06 17:31	kellot	Q19517
2,4,5-Trichlorophenol	BRL	mg/kg	0.40	0.090	1	8270C	11/29/06 17:31	kellot	Q19517
2,4,6-Trichlorophenol	BRL	mg/kg	0.40	0.085	1	8270C	11/29/06 17:31	kellot	Q19517
2,4-Dichlorophenol	BRL	mg/kg	0.40	0.083	1	8270C	11/29/06 17:31	kellot	Q19517
2,4-Dimethylphenol	BRL	mg/kg	0.40	0.078	1	8270C	11/29/06 17:31	kellot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane SL/Alamance Client Sample ID: 1XCAV8-11  
 Rd. Burlington, NC 27215 Prism Sample ID: 166951  
 Project ID: DOT-Alamance-Burlington COC Group: G1106572  
 Project No.: WBS# 34911.1.1 Time Collected: 11/15/06 17:25  
 Sample Matrix: Soil Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
2,4-Dinitrophenol	BRL	mg/kg	2.0	0.10	1	8270C	11/29/06 17:31	kelliot	Q19517
2,4-Dinitrotoluene	BRL	mg/kg	0.40	0.082	1	8270C	11/29/06 17:31	kelliot	Q19517
2,6-Dinitrotoluene	BRL	mg/kg	0.40	0.048	1	8270C	11/29/06 17:31	kelliot	Q19517
2-Chloronaphthalene	BRL	mg/kg	0.40	0.066	1	8270C	11/29/06 17:31	kelliot	Q19517
2-Chlorophenol	BRL	mg/kg	0.40	0.040	1	8270C	11/29/06 17:31	kelliot	Q19517
2-Methylnaphthalene	BRL	mg/kg	0.40	0.068	1	8270C	11/29/06 17:31	kelliot	Q19517
2-Methylphenol	BRL	mg/kg	0.40	0.065	1	8270C	11/29/06 17:31	kelliot	Q19517
2-Nitrophenol	BRL	mg/kg	0.40	0.051	1	8270C	11/29/06 17:31	kelliot	Q19517
3&4-Methylphenol	BRL	mg/kg	0.40	0.083	1	8270C	11/29/06 17:31	kelliot	Q19517
2,3'-Dichlorobenzidine	BRL	mg/kg	0.80	0.13	1	8270C	11/29/06 17:31	kelliot	Q19517
4,6-Dinitro-2-methylphenol	BRL	mg/kg	2.0	0.090	1	8270C	11/29/06 17:31	kelliot	Q19517
4-Bromophenylphenylether	BRL	mg/kg	0.40	0.067	1	8270C	11/29/06 17:31	kelliot	Q19517
4-Chloro-3-methylphenol	BRL	mg/kg	0.80	0.076	1	8270C	11/29/06 17:31	kelliot	Q19517
4-Chloroaniline	BRL	mg/kg	0.40	0.089	1	8270C	11/29/06 17:31	kelliot	Q19517
4-Chlorophenylphenylether	BRL	mg/kg	0.40	0.061	1	8270C	11/29/06 17:31	kelliot	Q19517
4-Nitrophenol	BRL	mg/kg	2.0	0.10	1	8270C	11/29/06 17:31	kelliot	Q19517
Acenaphthene	BRL	mg/kg	0.40	0.077	1	8270C	11/29/06 17:31	kelliot	Q19517
Acenaphthylene	BRL	mg/kg	0.40	0.076	1	8270C	11/29/06 17:31	kelliot	Q19517
Anthracene	BRL	mg/kg	0.40	0.049	1	8270C	11/29/06 17:31	kelliot	Q19517
Azobenzene	BRL	mg/kg	2.0	0.21	1	8270C	11/29/06 17:31	kelliot	Q19517
Benzo(a)anthracene	BRL	mg/kg	0.40	0.079	1	8270C	11/29/06 17:31	kelliot	Q19517
Benzo(a)pyrene	BRL	mg/kg	0.40	0.040	1	8270C	11/29/06 17:31	kelliot	Q19517
Benzo(b)fluoranthene	BRL	mg/kg	0.40	0.054	1	8270C	11/29/06 17:31	kelliot	Q19517
Benzo(g,h,i)perylene	BRL	mg/kg	0.40	0.093	1	8270C	11/29/06 17:31	kelliot	Q19517
Benzo(k)fluoranthene	BRL	mg/kg	0.40	0.048	1	8270C	11/29/06 17:31	kelliot	Q19517
Benzolic acid	BRL	mg/kg	2.0	0.17	1	8270C	11/29/06 17:31	kelliot	Q19517
Benzyl alcohol	BRL	mg/kg	0.80	0.066	1	8270C	11/29/06 17:31	kelliot	Q19517
Bis(2-chloroethoxy)methane	BRL	mg/kg	0.40	0.077	1	8270C	11/29/06 17:31	kelliot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane SL/Alamance Client Sample ID: 1XCAV8-11  
 Rd. Burlington, NC 27215 Prism Sample ID: 166951  
 Project ID: DOT-Alamance-Burlington COC Group: G1106572  
 Project No.: WBS# 34911.1.1 Time Collected: 11/15/06 17:25  
 Sample Matrix: Soil Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-chloroethyl)ether	BRL	mg/kg	0.40	0.028	1	8270C	11/29/06 17:31	keflot	Q19517
Bis(2-chloroisopropyl)ether	BRL	mg/kg	0.40	0.058	1	8270C	11/29/06 17:31	keflot	Q19517
Bis(2-ethylhexyl)phthalate	BRL	mg/kg	0.40	0.044	1	8270C	11/29/06 17:31	keflot	Q19517
Butylbenzylphthalate	BRL	mg/kg	0.40	0.041	1	8270C	11/29/06 17:31	keflot	Q19517
Chrysene	BRL	mg/kg	0.40	0.076	1	8270C	11/29/06 17:31	keflot	Q19517
Di-n-butylphthalate	BRL	mg/kg	0.40	0.055	1	8270C	11/29/06 17:31	keflot	Q19517
Di-n-octylphthalate	BRL	mg/kg	0.40	0.069	1	8270C	11/29/06 17:31	keflot	Q19517
Dibenzo(a,h)anthracene	BRL	mg/kg	0.40	0.095	1	8270C	11/29/06 17:31	keflot	Q19517
Dibenzofuran	BRL	mg/kg	0.40	0.074	1	8270C	11/29/06 17:31	keflot	Q19517
Diethylphthalate	BRL	mg/kg	0.40	0.040	1	8270C	11/29/06 17:31	keflot	Q19517
Dimethylphthalate	BRL	mg/kg	0.40	0.055	1	8270C	11/29/06 17:31	keflot	Q19517
Fluoranthene	BRL	mg/kg	0.40	0.049	1	8270C	11/29/06 17:31	keflot	Q19517
Fluorene	BRL	mg/kg	0.40	0.076	1	8270C	11/29/06 17:31	keflot	Q19517
Hexachlorobenzene	BRL	mg/kg	0.40	0.059	1	8270C	11/29/06 17:31	keflot	Q19517
Hexachlorobutadiene	BRL	mg/kg	0.40	0.052	1	8270C	11/29/06 17:31	keflot	Q19517
Hexachlorocyclopentadiene	BRL	mg/kg	0.40	0.093	1	8270C	11/29/06 17:31	keflot	Q19517
Hexachloroethane	BRL	mg/kg	0.40	0.054	1	8270C	11/29/06 17:31	keflot	Q19517
Indeno(1,2,3-cd)pyrene	BRL	mg/kg	0.40	0.10	1	8270C	11/29/06 17:31	keflot	Q19517
Isophorone	BRL	mg/kg	0.40	0.074	1	8270C	11/29/06 17:31	keflot	Q19517
N-Nitrosodi-n-propylamine	BRL	mg/kg	0.40	0.073	1	8270C	11/29/06 17:31	keflot	Q19517
N-Nitrosodiphenylamine	BRL	mg/kg	0.40	0.059	1	8270C	11/29/06 17:31	keflot	Q19517
Naphthalene	BRL	mg/kg	0.40	0.058	1	8270C	11/29/06 17:31	keflot	Q19517
Nitrobenzene	BRL	mg/kg	0.40	0.073	1	8270C	11/29/06 17:31	keflot	Q19517
Pentachlorophenol	BRL	mg/kg	2.0	0.052	1	8270C	11/29/06 17:31	keflot	Q19517
Phenanthrene	BRL	mg/kg	0.40	0.045	1	8270C	11/29/06 17:31	keflot	Q19517
Phenol	BRL	mg/kg	0.40	0.049	1	8270C	11/29/06 17:31	keflot	Q19517
Pyrene	BRL	mg/kg	0.40	0.032	1	8270C	11/29/06 17:31	keflot	Q19517

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shau/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 1XCAV8-11  
 Prism Sample ID: 166951  
 Project ID: DOT-Alamance-Burlington  
 COC Group: G1106572  
 Project No.: WBS# 34911.1.1  
 Time Collected: 11/15/06 17:25  
 Sample Matrix: Soil  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Sample Preparation: 30.12 g / 1 mL 3550B 11/28/06 7:00 dpope P16943

Surrogate	% Recovery	Control Limits
2,4,6-Tribromophenol	77	25 - 123
2-Fluorobiphenyl	64	21 - 108
2-Fluorophenol	57	14 - 89
Nitrobenzene-d5	69	14 - 103
Phenol-d5	57	13 - 95
Terphenyl-d14	107	41 - 136

### Extractable Petroleum Hydrocarbons by GC-FID

C11-C22 Aromatics	BRL	mg/kg	12	12	1	MADEP EPH	11/30/06 18:41	grappaccioII	Q19505
C19-C38 Aliphatics	BRL	mg/kg	12	7.4	1	MADEP EPH	11/30/06 18:41	grappaccioII	Q19505
C9-C18 Aliphatics	BRL	mg/kg	12	10	1	MADEP EPH	11/30/06 18:41	grappaccioII	Q19505

\* Analysis Note for C11-C22 Aromatics: Adjusted value.

Sample Preparation: 10.09 g / 2 mL EPH 11/21/06 10:00 dpope P16905

Surrogate	% Recovery	Control Limits
1-Chloro-octadecane	97	40 - 140
2-Bromonaphthalene	78	40 - 140
2-Fluorobiphenyl	117	40 - 140
o-Terphenyl	76	40 - 140

### Volatile Petroleum Hydrocarbons by GC-PID/FID

C6-C8 Aliphatics	BRL	mg/kg	8.6	4.3	1	MADEP VPH	11/28/06 19:23	erussell	Q19470
C9-C10 Aromatics	BRL	mg/kg	8.6	4.3	1	MADEP VPH	11/28/06 19:23	erussell	Q19470
C9-C12 Aliphatics	BRL	mg/kg	8.6	4.3	1	MADEP VPH	11/28/06 19:23	erussell	Q19470

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

# Laboratory Report

12/05/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance Rd. Burlington, NC 27215  
 Client Sample ID: 1XCAV8-11  
 Prism Sample ID: 166951  
 Project ID: DOT-Alamance-Burlington  
 Project No.: WBS# 34911.1.1  
 Sample Matrix: Soil  
 COC Group: G1106572  
 Time Collected: 11/15/06 17:25  
 Time Submitted: 11/17/06 13:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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- \* Analysis Note for C5-C8 Aliphatics: Adjusted value.
- \* Analysis Note for C9-C12 Aliphatics: Adjusted value.

Surrogate	% Recovery	Control Limits
2,5-Dibromotoluene-FID	88	70 - 130
2,5-Dibromotoluene-PID	92	70 - 130

**Sample Weight Determination**

Weight 1	8.19	g	1	MADEP VPH	11/21/06 0:00	lbrown
Weight 2	5.55	g	1	MADEP VPH	11/21/06 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

## Level II QC Report

12/6/06

N. C. Department of Transportation  
Attn: Bob Shaut/EI  
c/o Environmental Investigations, Inc  
2101 Gateway Centre Blvd. Ste 200  
Morrisville, NC 27560

Project Name: S. Mebane St./Alamance  
Burlington, NC 27215  
Project ID: DOT-Alamance-Burling  
Project No.: WBS# 34911.1.1  
COC Group Number: G1106572  
Date/Time Submitted: 11/17/06 13:30

### 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	Q19412
1,1,2,2-Tetrachloroethane	ND	0.005	<0.0025	mg/kg	Q19412
1,1,2-Trichloroethane	ND	0.005	<0.0025	mg/kg	Q19412
1,1-Dichloroethane	ND	0.005	<0.0025	mg/kg	Q19412
1,1-Dichloroethene	ND	0.005	<0.0025	mg/kg	Q19412
1,1-Dichloropropene	ND	0.005	<0.0025	mg/kg	Q19412
1,2,3-Trichlorobenzene	ND	0.005	<0.0025	mg/kg	Q19412
1,2,3-Trichloropropane	ND	0.005	<0.0025	mg/kg	Q19412
1,2,4-Trichlorobenzene	ND	0.005	<0.0025	mg/kg	Q19412
1,2,4-Trimethylbenzene	ND	0.005	<0.0025	mg/kg	Q19412
1,2-Dibromoethane (EDB)	ND	0.005	<0.0025	mg/kg	Q19412
1,2-Dichlorobenzene	ND	0.005	<0.0025	mg/kg	Q19412
1,2-Dichloroethane	ND	0.005	<0.0025	mg/kg	Q19412
1,2-Dichloropropane	ND	0.005	<0.0025	mg/kg	Q19412
1,3,5-Trimethylbenzene	ND	0.005	<0.0025	mg/kg	Q19412
1,3-Dichlorobenzene	ND	0.005	<0.0025	mg/kg	Q19412
1,3-Dichloropropane	ND	0.005	<0.0025	mg/kg	Q19412
1,4-Dichlorobenzene	ND	0.005	<0.0025	mg/kg	Q19412
2,2-Dichloropropane	ND	0.005	<0.0025	mg/kg	Q19412
2-Chlorotoluene	ND	0.005	<0.0025	mg/kg	Q19412
2-Hexanone	ND	0.05	<0.025	mg/kg	Q19412
4-Chlorotoluene	ND	0.005	<0.0025	mg/kg	Q19412
4-Methyl-2-pentanone (MIBK)	ND	0.05	<0.025	mg/kg	Q19412
Acetone	ND	0.05	<0.025	mg/kg	Q19412
Benzene	ND	0.003	<0.0015	mg/kg	Q19412
Bromobenzene	ND	0.005	<0.0025	mg/kg	Q19412
Bromochloromethane	ND	0.005	<0.0025	mg/kg	Q19412
Bromodichloromethane	ND	0.005	<0.0025	mg/kg	Q19412
Bromoform	ND	0.005	<0.0025	mg/kg	Q19412
Bromomethane	ND	0.01	<0.005	mg/kg	Q19412
Carbon tetrachloride	ND	0.005	<0.0025	mg/kg	Q19412
Chlorobenzene	ND	0.005	<0.0025	mg/kg	Q19412
Chlorodibromomethane	ND	0.005	<0.0025	mg/kg	Q19412
Chloroethane	ND	0.01	<0.005	mg/kg	Q19412
Chloroform	ND	0.005	<0.0025	mg/kg	Q19412
Chloromethane	ND	0.005	<0.0025	mg/kg	Q19412
cis-1,2-Dichloroethene	ND	0.005	<0.0025	mg/kg	Q19412
cis-1,3-Dichloropropene	ND	0.005	<0.0025	mg/kg	Q19412
Dichlorodifluoromethane	ND	0.005	<0.0025	mg/kg	Q19412
Ethylbenzene	ND	0.005	<0.0025	mg/kg	Q19412
Isopropyl ether (IPE)	ND	0.005	<0.0025	mg/kg	Q19412
Isopropylbenzene	ND	0.005	<0.0025	mg/kg	Q19412

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

# Level II QC Report

12/6/06

N. C. Department of Transportation  
 Attn: Bob Shaul/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance  
 Burlington, NC 27215  
 Project ID: DOT-Alamance-Burling  
 Project No.: WBS# 34911.1.1  
 COC Group Number: G1106572  
 Date/Time Submitted: 11/17/06 13:30

### Method Blank

	Result	RL	Control Limit	Units	QC Batch ID
m,p-Xylenes	ND	0.01	<0.005	mg/kg	Q19412
Methyl ethyl ketone (MEK)	ND	0.1	<0.05	mg/kg	Q19412
Methyl t-butyl ether (MTBE)	ND	0.01	<0.005	mg/kg	Q19412
Methylene chloride	ND	0.005	<0.0025	mg/kg	Q19412
n-Butylbenzene	ND	0.005	<0.0025	mg/kg	Q19412
n-Propylbenzene	ND	0.005	<0.0025	mg/kg	Q19412
Naphthalene	ND	0.01	<0.005	mg/kg	Q19412
o-Xylene	ND	0.005	<0.0025	mg/kg	Q19412
p-Isopropyltoluene	ND	0.005	<0.0025	mg/kg	Q19412
sec-Butylbenzene	ND	0.005	<0.0025	mg/kg	Q19412
Styrene	ND	0.005	<0.0025	mg/kg	Q19412
tert-Butylbenzene	ND	0.005	<0.0025	mg/kg	Q19412
Tetrachloroethene	ND	0.005	<0.0025	mg/kg	Q19412
Toluene	ND	0.005	<0.0025	mg/kg	Q19412
trans-1,2-Dichloroethene	ND	0.005	<0.0025	mg/kg	Q19412
trans-1,3-Dichloropropene	ND	0.005	<0.0025	mg/kg	Q19412
Trichloroethene	ND	0.005	<0.0025	mg/kg	Q19412
Trichlorofluoromethane	ND	0.005	<0.0025	mg/kg	Q19412
Vinyl acetate	ND	0.025	<0.0125	mg/kg	Q19412
Vinyl chloride	ND	0.005	<0.0025	mg/kg	Q19412

### Laboratory Control Sample

	Result	Spike Amount	Units	Recovery %	Recovery Range %	QC Batch ID
1,1-Dichloroethene	60.27	50	µg/kg	121	57 - 122	Q19412
Benzene	54.86	50	µg/kg	110	62 - 119	Q19412
Chlorobenzene	56.21	50	µg/kg	112	61 - 124	Q19412
Toluene	54.52	50	µg/kg	109	57 - 122	Q19412
Trichloroethene	56.41	50	µg/kg	113	59 - 129	Q19412

### Matrix Spike

Sample ID:		Result	Spike Amount	Units	Recovery %	Recovery Range %	QC Batch ID
166887	1,1-Dichloroethene	50.63	50	µg/kg	101	44 - 140	Q19412
	Benzene	49.45	50	µg/kg	99	46 - 136	Q19412
	Chlorobenzene	47.54	50	µg/kg	95	47 - 135	Q19412
	Toluene	48.21	50	µg/kg	96	47 - 136	Q19412
	Trichloroethene	48.27	50	µg/kg	97	45 - 141	Q19412

### Matrix Spike Duplicate

Sample ID:		Result	Spike Amount	Units	Recovery %	Recovery Range %	RPD %	RPD Range %	QC Batch ID
166887	1,1-Dichloroethene	51.05	50	µg/kg	102	44 - 140	1	0 - 23	Q19412
	Benzene	49.54	50	µg/kg	99	46 - 136	0	0 - 22	Q19412
	Chlorobenzene	47.05	50	µg/kg	94	47 - 135	1	0 - 22	Q19412
	Toluene	47.77	50	µg/kg	96	47 - 136	1	0 - 22	Q19412

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

# Level II QC Report

12/6/06

N. C. Department of Transportation  
Attn: Bob Shaut/EI  
c/o Environmental Investigations, Inc  
2101 Gateway Centre Blvd. Ste 200  
Morrisville, NC 27560

Project Name: S. Mebane St./Alamance  
Burlington, NC 27215  
Project ID: DOT-Alamance-Burling  
Project No.: WBS# 34911.1.1  
COC Group Number: G1106572  
Date/Time Submitted: 11/17/06 13:30

### Matrix Spike Duplicate

Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Range %	RPD %	RPD Range %	QC Batch ID
Trichloroethene	48.77	50	µg/kg	98	45 - 141	1	0 - 23	Q19412



NC Certification No. 402  
 SC Certification No. 99012  
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# Level II QC Report

12/8/06

N. C. Department of Transportation  
 Attn: Bob Shaur/VEI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance  
 Burlington, NC 27215  
 Project ID: DOT-Alamance-Burling  
 Project No.: WBS# 34911.1.1  
 COC Group Number: G1108572  
 Date/Time Submitted: 11/17/06 13:30

## 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	Q19429
1,1,2,2-Tetrachloroethane	ND	0.005	<0.0025	mg/kg	Q19429
1,1,2-Trichloroethane	ND	0.005	<0.0025	mg/kg	Q19429
1,1-Dichloroethane	ND	0.005	<0.0025	mg/kg	Q19429
1,1-Dichloroethene	ND	0.005	<0.0025	mg/kg	Q19429
1,1-Dichloropropene	ND	0.005	<0.0025	mg/kg	Q19429
1,2,3-Trichlorobenzene	ND	0.005	<0.0025	mg/kg	Q19429
1,2,3-Trichloropropane	ND	0.005	<0.0025	mg/kg	Q19429
1,2,4-Trichlorobenzene	ND	0.005	<0.0025	mg/kg	Q19429
1,2,4-Trimethylbenzene	ND	0.005	<0.0025	mg/kg	Q19429
1,2-Dibromoethane (EDB)	ND	0.005	<0.0025	mg/kg	Q19429
1,2-Dichlorobenzene	ND	0.005	<0.0025	mg/kg	Q19429
1,2-Dichloroethane	ND	0.005	<0.0025	mg/kg	Q19429
1,2-Dichloropropane	ND	0.005	<0.0025	mg/kg	Q19429
1,3,5-Trimethylbenzene	ND	0.005	<0.0025	mg/kg	Q19429
1,3-Dichlorobenzene	ND	0.005	<0.0025	mg/kg	Q19429
1,3-Dichloropropane	ND	0.005	<0.0025	mg/kg	Q19429
1,4-Dichlorobenzene	ND	0.005	<0.0025	mg/kg	Q19429
2,2-Dichloropropane	ND	0.005	<0.0025	mg/kg	Q19429
2-Chlorotoluene	ND	0.005	<0.0025	mg/kg	Q19429
2-Hexanone	ND	0.05	<0.025	mg/kg	Q19429
4-Chlorotoluene	ND	0.005	<0.0025	mg/kg	Q19429
4-Methyl-2-pentanone (MIBK)	ND	0.05	<0.025	mg/kg	Q19429
Acetone	ND	0.05	<0.025	mg/kg	Q19429
Benzene	ND	0.003	<0.0015	mg/kg	Q19429
Bromobenzene	ND	0.005	<0.0025	mg/kg	Q19429
Bromochloromethane	ND	0.005	<0.0025	mg/kg	Q19429
Bromodichloromethane	ND	0.005	<0.0025	mg/kg	Q19429
Bromoform	ND	0.005	<0.0025	mg/kg	Q19429
Bromomethane	ND	0.01	<0.005	mg/kg	Q19429
Carbon tetrachloride	ND	0.005	<0.0025	mg/kg	Q19429
Chlorobenzene	ND	0.005	<0.0025	mg/kg	Q19429
Chlorodibromomethane	ND	0.005	<0.0025	mg/kg	Q19429
Chloroethane	ND	0.01	<0.005	mg/kg	Q19429
Chloroform	ND	0.005	<0.0025	mg/kg	Q19429
Chloromethane	ND	0.005	<0.0025	mg/kg	Q19429
cis-1,2-Dichloroethene	ND	0.005	<0.0025	mg/kg	Q19429
cis-1,3-Dichloropropene	ND	0.005	<0.0025	mg/kg	Q19429
Dichlorodifluoromethane	ND	0.005	<0.0025	mg/kg	Q19429
Ethylbenzene	ND	0.005	<0.0025	mg/kg	Q19429
Isopropyl ether (IPE)	ND	0.005	<0.0025	mg/kg	Q19429
Isopropylbenzene	ND	0.005	<0.0025	mg/kg	Q19429

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

# Level II QC Report

12/6/08

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane SL/Alamance COC Group Number: G1106572  
 Burlington, NC 27215 Date/Time Submitted: 11/17/06 13:30  
 Project ID: DOT-Alamance-Burling  
 Project No.: WBS# 34911.1.1

## Method Blank

	Result	RL	Control Limit	Units	QC Batch ID
m,p-Xylenes	ND	0.01	<0.005	mg/kg	Q19429
Methyl ethyl ketone (MEK)	ND	0.1	<0.05	mg/kg	Q19429
Methyl t-butyl ether (MTBE)	ND	0.01	<0.005	mg/kg	Q19429
Methylene chloride	ND	0.005	<0.0025	mg/kg	Q19429
n-Butylbenzene	ND	0.005	<0.0025	mg/kg	Q19429
n-Propylbenzene	ND	0.005	<0.0025	mg/kg	Q19429
Naphthalene	ND	0.01	<0.005	mg/kg	Q19429
o-Xylene	ND	0.005	<0.0025	mg/kg	Q19429
p-Isopropyltoluene	ND	0.005	<0.0025	mg/kg	Q19429
sec-Butylbenzene	ND	0.005	<0.0025	mg/kg	Q19429
Styrene	ND	0.005	<0.0025	mg/kg	Q19429
tert-Butylbenzene	ND	0.005	<0.0025	mg/kg	Q19429
Tetrachloroethene	ND	0.005	<0.0025	mg/kg	Q19429
Toluene	ND	0.005	<0.0025	mg/kg	Q19429
trans-1,2-Dichloroethene	ND	0.005	<0.0025	mg/kg	Q19429
trans-1,3-Dichloropropene	ND	0.005	<0.0025	mg/kg	Q19429
Trichloroethene	ND	0.005	<0.0025	mg/kg	Q19429
Trichlorofluoromethane	ND	0.005	<0.0025	mg/kg	Q19429
Vinyl acetate	ND	0.025	<0.0125	mg/kg	Q19429
Vinyl chloride	ND	0.005	<0.0025	mg/kg	Q19429

## Laboratory Control Sample

	Result	Spike Amount	Units	Recovery %	Recovery Range %	QC Batch ID
1,1-Dichloroethene	0.06088	0.05	mg/kg	122	57 - 122	Q19429
Benzene	0.05557	0.05	mg/kg	111	62 - 119	Q19429
Chlorobenzene	0.05498	0.05	mg/kg	110	61 - 124	Q19429
Toluene	0.05527	0.05	mg/kg	111	57 - 122	Q19429
Trichloroethene	0.06075	0.05	mg/kg	122	59 - 129	Q19429

## Matrix Spike

Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Range %	QC Batch ID
166939 1,1-Dichloroethene	0.04922	0.05	mg/kg	98	44 - 140	Q19429
Benzene	0.04928	0.05	mg/kg	99	46 - 136	Q19429
Chlorobenzene	0.04878	0.05	mg/kg	98	47 - 135	Q19429
Toluene	0.05122	0.05	mg/kg	102	47 - 136	Q19429
Trichloroethene	0.05005	0.05	mg/kg	100	45 - 141	Q19429

## Matrix Spike Duplicate

Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Range %	RPD %	RPD Range %	QC Batch ID
166939 1,1-Dichloroethene	0.05733	0.05	mg/kg	115	44 - 140	15	0 - 23	Q19429
Benzene	0.05269	0.05	mg/kg	105	46 - 136	7	0 - 22	Q19429
Chlorobenzene	0.05328	0.05	mg/kg	107	47 - 135	9	0 - 22	Q19429
Toluene	0.05117	0.05	mg/kg	102	47 - 136	0	0 - 22	Q19429

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

# Level II QC Report

12/8/06

N. C. Department of Transportation  
Attn: Bob Shaut/EI  
c/o Environmental Investigations, Inc  
2101 Gateway Centre Blvd. Ste 200  
Morrisville, NC 27560

Project Name: S. Mebane St./Alamance  
Burlington, NC 27215  
Project ID: DOT-Alamance-Burling  
Project No.: WBS# 34911.1.1  
COC Group Number: G1106572  
Date/Time Submitted: 11/17/06 13:30

## Matrix Spike Duplicate

Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Range %	RPD %	RPD Range %	QC Batch ID
Trichloroethene	0.0562	0.05	mg/kg	112	45 - 141	12	0 - 23	Q19429



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# Level II QC Report

12/6/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance  
 Burlington, NC 27215  
 Project ID: DOT-Alamance-Burling  
 Project No.: WBS# 34911.1.1  
 COC Group Number: G1106572  
 Date/Time Submitted: 11/17/06 13:30

## 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	Q19447
1,1,2,2-Tetrachloroethane	ND	0.005	<0.0025	mg/kg	Q19447
1,1,2-Trichloroethane	ND	0.005	<0.0025	mg/kg	Q19447
1,1-Dichloroethane	ND	0.005	<0.0025	mg/kg	Q19447
1,1-Dichloroethene	ND	0.005	<0.0025	mg/kg	Q19447
1,1-Dichloropropene	ND	0.005	<0.0025	mg/kg	Q19447
1,2,3-Trichlorobenzene	ND	0.005	<0.0025	mg/kg	Q19447
1,2,3-Trichloropropane	ND	0.005	<0.0025	mg/kg	Q19447
1,2,4-Trichlorobenzene	ND	0.005	<0.0025	mg/kg	Q19447
1,2,4-Trimethylbenzene	ND	0.005	<0.0025	mg/kg	Q19447
1,2-Dibromoethane (EDB)	ND	0.005	<0.0025	mg/kg	Q19447
1,2-Dichlorobenzene	ND	0.005	<0.0025	mg/kg	Q19447
1,2-Dichloroethane	ND	0.005	<0.0025	mg/kg	Q19447
1,2-Dichloropropane	ND	0.005	<0.0025	mg/kg	Q19447
1,3,5-Trimethylbenzene	ND	0.005	<0.0025	mg/kg	Q19447
1,3-Dichlorobenzene	ND	0.005	<0.0025	mg/kg	Q19447
1,3-Dichloropropane	ND	0.005	<0.0025	mg/kg	Q19447
1,4-Dichlorobenzene	ND	0.005	<0.0025	mg/kg	Q19447
2,2-Dichloropropane	ND	0.005	<0.0025	mg/kg	Q19447
2-Chlorotoluene	ND	0.005	<0.0025	mg/kg	Q19447
2-Hexanone	ND	0.05	<0.025	mg/kg	Q19447
4-Chlorotoluene	ND	0.005	<0.0025	mg/kg	Q19447
4-Methyl-2-pentanone (MIBK)	ND	0.05	<0.025	mg/kg	Q19447
Acetone	ND	0.05	<0.025	mg/kg	Q19447
Benzene	ND	0.003	<0.0015	mg/kg	Q19447
Bromobenzene	ND	0.005	<0.0025	mg/kg	Q19447
Bromochloromethane	ND	0.005	<0.0025	mg/kg	Q19447
Bromodichloromethane	ND	0.005	<0.0025	mg/kg	Q19447
Bromoform	ND	0.005	<0.0025	mg/kg	Q19447
Bromomethane	ND	0.01	<0.005	mg/kg	Q19447
Carbon tetrachloride	ND	0.005	<0.0025	mg/kg	Q19447
Chlorobenzene	ND	0.005	<0.0025	mg/kg	Q19447
Chlorodibromomethane	ND	0.005	<0.0025	mg/kg	Q19447
Chloroethane	ND	0.01	<0.005	mg/kg	Q19447
Chloroform	ND	0.005	<0.0025	mg/kg	Q19447
Chloromethane	ND	0.005	<0.0025	mg/kg	Q19447
cis-1,2-Dichloroethene	ND	0.005	<0.0025	mg/kg	Q19447
cis-1,3-Dichloropropene	ND	0.005	<0.0025	mg/kg	Q19447
Dichlorodifluoromethane	ND	0.005	<0.0025	mg/kg	Q19447
Ethylbenzene	ND	0.005	<0.0025	mg/kg	Q19447
Isopropyl ether (IPE)	ND	0.005	<0.0025	mg/kg	Q19447
Isopropylbenzene	ND	0.005	<0.0025	mg/kg	Q19447

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# Level II QC Report

12/6/08

N. C. Department of Transportation  
 Attn: Bob Shau/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane SL/Alamance  
 Burlington, NC 27215  
 Project ID: DOT-Alamance-Burling  
 Project No.: WBS# 34911.1.1

COC Group Number: G1108572  
 Date/Time Submitted: 11/17/08 13:30

### Method Blank

	Result	RL	Control Limit	Units	QC Batch ID
m,p-Xylenes	ND	0.01	<0.005	mg/kg	Q19447
Methyl ethyl ketone (MEK)	ND	0.1	<0.05	mg/kg	Q19447
Methyl t-butyl ether (MTBE)	ND	0.01	<0.005	mg/kg	Q19447
Methylene chloride	ND	0.005	<0.0025	mg/kg	Q19447
n-Butylbenzene	ND	0.005	<0.0025	mg/kg	Q19447
n-Propylbenzene	ND	0.005	<0.0025	mg/kg	Q19447
Naphthalene	ND	0.01	<0.005	mg/kg	Q19447
o-Xylene	ND	0.005	<0.0025	mg/kg	Q19447
p-Isopropyltoluene	ND	0.005	<0.0025	mg/kg	Q19447
sec-Butylbenzene	ND	0.005	<0.0025	mg/kg	Q19447
Styrene	ND	0.005	<0.0025	mg/kg	Q19447
tert-Butylbenzene	ND	0.005	<0.0025	mg/kg	Q19447
Tetrachloroethene	ND	0.005	<0.0025	mg/kg	Q19447
Toluene	ND	0.005	<0.0025	mg/kg	Q19447
trans-1,2-Dichloroethene	ND	0.005	<0.0025	mg/kg	Q19447
trans-1,3-Dichloropropene	ND	0.006	<0.0026	mg/kg	Q19447
Trichloroethene	ND	0.005	<0.0025	mg/kg	Q19447
Trichlorofluoromethane	ND	0.005	<0.0025	mg/kg	Q19447
Vinyl acetate	ND	0.025	<0.0125	mg/kg	Q19447
Vinyl chloride	ND	0.005	<0.0025	mg/kg	Q19447

### Laboratory Control Sample

	Result	Spike Amount	Units	Recovery %	Recovery Range %	QC Batch ID
1,1-Dichloroethene	0.06079	0.05	mg/kg	122	57 - 122	Q19447
Benzene	0.0547	0.05	mg/kg	109	62 - 119	Q19447
Chlorobenzene	0.05262	0.05	mg/kg	105	61 - 124	Q19447
Toluene	0.04894	0.05	mg/kg	98	57 - 122	Q19447
Trichloroethene	0.05349	0.05	mg/kg	107	59 - 129	Q19447

### Matrix Spike

Sample ID:		Result	Spike Amount	Units	Recovery %	Recovery Range %	QC Batch ID
100346	1,1-Dichloroethene	0.05233	0.05	mg/kg	105	44 - 140	Q19447
	Benzene	0.05027	0.05	mg/kg	101	46 - 136	Q19447
	Chlorobenzene	0.0486	0.05	mg/kg	97	47 - 135	Q19447
	Toluene	0.04509	0.05	mg/kg	90	47 - 136	Q19447
	Trichloroethene	0.05075	0.05	mg/kg	102	45 - 141	Q19447

### Matrix Spike Duplicate

Sample ID:		Result	Spike Amount	Units	Recovery %	Recovery Range %	RPD %	RPD Range %	QC Batch ID
166946	1,1-Dichloroethene	0.05344	0.05	mg/kg	107	44 - 140	2	0 - 23	Q19447
	Benzene	0.05072	0.05	mg/kg	101	46 - 136	1	0 - 22	Q19447
	Chlorobenzene	0.04802	0.05	mg/kg	96	47 - 135	1	0 - 22	Q19447
	Toluene	0.04522	0.05	mg/kg	90	47 - 136	0	0 - 22	Q19447

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# Level II QC Report

12/6/06

N. C. Department of Transportation  
 Attn: Bob Shau/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance  
 Burlington, NC 27215  
 Project ID: DOT-Alamance-Burling  
 Project No.: WBS# 34911.1.1  
 COC Group Number: G1108572  
 Data/Time Submitted: 11/17/06 13:30

Matrix Spike Duplicate								
Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Range %	RPD %	RPD Range %	QC Batch ID
Trichloroethene	0.0508	0.05	mg/kg	102	45 - 141	0	0 - 23	Q19447

### Volatile Petroleum Hydrocarbons by GC-PID/FID, method MADEP VPH

Method Blank					
	Result	RL	Control Limit	Units	QC Batch ID
C5-C8 Aliphatics	ND	7	<3.5	mg/kg	Q19470
C9-C10 Aromatics	ND	7	<3.5	mg/kg	Q19470
C9-C12 Aliphatics	ND	7	<3.5	mg/kg	Q19470

Laboratory Control Sample						
	Result	Spike Amount	Units	Recovery %	Recovery Range %	QC Batch ID
C5-C8 Aliphatics	17.976	15	mg/kg	120	70 - 130	Q19470
C9-C10 Aromatics	4.968	5	mg/kg	99	70 - 130	Q19470
C9-C12 Aliphatics	8.520	10	mg/kg	85	70 - 130	Q19470

Matrix Spike						
Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Range %	QC Batch ID
166941 C5-C8 Aliphatics	18.437	15	mg/kg	123	70 - 130	Q19470
C9-C10 Aromatics	4.563	5	mg/kg	91	70 - 130	Q19470
C9-C12 Aliphatics	10.670	10	mg/kg	107	70 - 130	Q19470

Matrix Spike Duplicate								
Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Range %	RPD %	RPD Range %	QC Batch ID
166941 C5-C8 Aliphatics	17.860	15	mg/kg	119	70 - 130	3	0 - 25	Q19470
C9-C10 Aromatics	4.665	5	mg/kg	93	70 - 130	2	0 - 25	Q19470
C9-C12 Aliphatics	11.361	10	mg/kg	114	70 - 130	6	0 - 25	Q19470

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NC Certification No. 402  
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# Level II QC Report

12/8/08

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance  
 Burlington, NC 27215  
 Project ID: DOT-Alamance-Burling  
 Project No.: WBS# 34911.1.1  
 COC Group Number: G1106572  
 Date/Time Submitted: 11/17/08 13:30

## 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	Q19505
C19-C36 Aliphatics	ND	10	<5	mg/kg	Q19505
C9-C18 Aliphatics	ND	10	<5	mg/kg	Q19505

### Laboratory Control Sample

	Result	Spike Amount	Units	Recovery %	Recovery Range %	QC Batch ID
C11-C22 Aromatics	143.34	170	mg/kg	84	40 - 140	Q19505
C19-C36 Aliphatics	51.54	80	mg/kg	64	40 - 140	Q19505
C9-C18 Aliphatics	34.88	60	mg/kg	58	40 - 140	Q19505

### Matrix Spike

Sample ID:		Result	Spike Amount	Units	Recovery %	Recovery Range %	QC Batch ID
166951	C11-C22 Aromatics	130.4	170	mg/kg	77	40 - 140	Q19505
	C19-C36 Aliphatics	55.46	80	mg/kg	69	40 - 140	Q19505
	C9-C18 Aliphatics	35.74	60	mg/kg	60	40 - 140	Q19505

### Matrix Spike Duplicate

Sample ID:		Result	Spike Amount	Units	Recovery %	Recovery Range %	RPD %	RPD Range %	QC Batch ID
166951	C11-C22 Aromatics	119.84	170	mg/kg	71	40 - 140	8	0 - 50	Q19505
	C19-C36 Aliphatics	51.8	80	mg/kg	65	40 - 140	7	0 - 50	Q19505
	C9-C18 Aliphatics	35.2	60	mg/kg	59	40 - 140	2	0 - 50	Q19505

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## Level II QC Report

12/8/06

N. C. Department of Transportation  
Attn: Bob Shaut/EI  
c/o Environmental Investigations, Inc  
2101 Gateway Centre Blvd. Ste 200  
Morrisville, NC 27560

Project Name: S. Mebane St./Alamance  
Burlington, NC 27215  
Project ID: DOT-Alamance-Burling.  
Project No.: WBS# 34911.1.1  
COC Group Number: G1106572  
Date/Time Submitted: 11/17/06 13:30

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

Method Blank	Result	RT	Control Limit	Units	QC Batch ID
1,2,4-Trichlorobenzene	ND	0.33	<0.165	mg/kg	Q19517
1,2-Dichlorobenzene	ND	0.33	<0.165	mg/kg	Q19517
1,3-Dichlorobenzene	ND	0.33	<0.165	mg/kg	Q19517
1,4-Dichlorobenzene	ND	0.33	<0.165	mg/kg	Q19517
2,4,5-Trichlorophenol	ND	0.33	<0.165	mg/kg	Q19517
2,4,6-Trichlorophenol	ND	0.33	<0.165	mg/kg	Q19517
2,4-Dichlorophenol	ND	0.33	<0.165	mg/kg	Q19517
2,4-Dimethylphenol	ND	0.33	<0.165	mg/kg	Q19517
2,4-Dinitrophenol	ND	1.65	<0.825	mg/kg	Q19517
2,4-Dinitrotoluene	ND	0.33	<0.165	mg/kg	Q19517
2,6-Dinitrotoluene	ND	0.33	<0.165	mg/kg	Q19517
2-Chloronaphthalene	ND	0.33	<0.165	mg/kg	Q19517
2-Chlorophenol	ND	0.33	<0.165	mg/kg	Q19517
2-Methylnaphthalene	ND	0.33	<0.165	mg/kg	Q19517
2-Methylphenol	ND	0.33	<0.165	mg/kg	Q19517
2-Nitrophenol	ND	0.33	<0.165	mg/kg	Q19517
3,4-Methylphenol	ND	0.33	<0.165	mg/kg	Q19517
3,3'-Dichlorobenzidine	ND	0.66	<0.33	mg/kg	Q19517
4,6-Dinitro-2-methylphenol	ND	1.65	<0.825	mg/kg	Q19517
4-Bromophenylphenylether	ND	0.33	<0.165	mg/kg	Q19517
4-Chloro-3-methylphenol	ND	0.66	<0.33	mg/kg	Q19517
4-Chloroaniline	ND	0.33	<0.165	mg/kg	Q19517
4-Chlorophenylphenylether	ND	0.33	<0.165	mg/kg	Q19517
4-Nitrophenol	ND	1.65	<0.825	mg/kg	Q19517
Acenaphthene	ND	0.33	<0.165	mg/kg	Q19517
Acenaphthylene	ND	0.33	<0.165	mg/kg	Q19517
Anthracene	ND	0.33	<0.165	mg/kg	Q19517
Azobenzene	ND	1.65	<0.825	mg/kg	Q19517
Benzo(a)anthracene	ND	0.33	<0.165	mg/kg	Q19517
Benzo(a)pyrene	ND	0.33	<0.165	mg/kg	Q19517
Benzo(b)fluoranthene	ND	0.33	<0.165	mg/kg	Q19517
Benzo(g,h,i)perylene	ND	0.33	<0.165	mg/kg	Q19517
Benzo(k)fluoranthene	ND	0.33	<0.165	mg/kg	Q19517
Benzoic acid	ND	1.65	<0.825	mg/kg	Q19517
Benzyl alcohol	ND	0.66	<0.33	mg/kg	Q19517
Bis(2-chloroethoxy)methane	ND	0.33	<0.165	mg/kg	Q19517
Bis(2-chloroethyl)ether	ND	0.33	<0.165	mg/kg	Q19517
Bis(2-chloroisopropyl)ether	ND	0.33	<0.165	mg/kg	Q19517
Bis(2-ethylhexyl)phthalate	ND	0.33	<0.165	mg/kg	Q19517
Butylbenzylphthalate	ND	0.33	<0.165	mg/kg	Q19517
Chrysene	ND	0.33	<0.165	mg/kg	Q19517
Di-n-butylphthalate	ND	0.33	<0.165	mg/kg	Q19517

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

# Level II QC Report

12/6/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance  
 Burlington, NC 27215  
 Project ID: DOT-Alamance-Burling  
 Project No.: WBS# 34911.1.1  
 COC Group Number: G1106572  
 Date/Time Submitted: 11/17/06 13:30

## Method Blank

	Result	RL	Control Limit	Units	QC Batch ID
Di-n-octylphthalate	ND	0.33	<0.165	mg/kg	Q19517
Dibenzo(a,h)anthracene	ND	0.33	<0.165	mg/kg	Q19517
Dibenzofuran	ND	0.33	<0.165	mg/kg	Q19517
Diethylphthalate	ND	0.33	<0.165	mg/kg	Q19517
Dimethylphthalate	ND	0.33	<0.165	mg/kg	Q19517
Fluoranthene	ND	0.33	<0.165	mg/kg	Q19517
Fluorene	ND	0.33	<0.165	mg/kg	Q19517
Hexachlorobenzene	ND	0.33	<0.165	mg/kg	Q19517
Hexachlorobutadiene	ND	0.33	<0.165	mg/kg	Q19517
Hexachlorocyclopentadiene	ND	0.33	<0.165	mg/kg	Q19517
Hexachloroethane	ND	0.33	<0.165	mg/kg	Q19517
Indeno(1,2,3-cd)pyrene	ND	0.33	<0.165	mg/kg	Q19517
Isophorone	ND	0.33	<0.165	mg/kg	Q19517
N-Nitrosodi-n-propylamine	ND	0.33	<0.165	mg/kg	Q19517
N-Nitrosodiphenylamine	ND	0.33	<0.165	mg/kg	Q19517
Naphthalene	ND	0.33	<0.165	mg/kg	Q19517
Nitrobenzene	ND	0.33	<0.165	mg/kg	Q19517
Pentachlorophenol	ND	1.65	<0.825	mg/kg	Q19517
Phenanthrene	ND	0.33	<0.165	mg/kg	Q19517
Phenol	ND	0.33	<0.165	mg/kg	Q19517
Pyrene	ND	0.33	<0.165	mg/kg	Q19517

## Laboratory Control Sample

	Result	Spike Amount	Units	Recovery %	Recovery Range %	QC Batch ID
1,2,4-Trichlorobenzene	1.34909	1.68	mg/kg	80	39 - 98	Q19517
1,4-Dichlorobenzene	1.30851	1.68	mg/kg	78	37 - 95	Q19517
2,4-Dinitrotoluene	1.54795	1.68	mg/kg	92	58 - 128	Q19517
2-Chlorophenol	1.34976	1.68	mg/kg	80	37 - 98	Q19517
4-Chloro-3-methylphenol	1.45774	1.68	mg/kg	87	45 - 111	Q19517
4-Nitrophenol	1.29074	1.68	mg/kg	77	20 - 157	Q19517
Acenaphthene	1.57243	1.68	mg/kg	94	44 - 110	Q19517
N-Nitrosodi-n-propylamine	1.55568	1.68	mg/kg	93	38 - 101	Q19517
Perfluorobenzene	1.44735	1.68	mg/kg	86	53 - 127	Q19517
Phenol	1.38195	1.68	mg/kg	82	34 - 102	Q19517
Pyrene	1.71026	1.68	mg/kg	102	54 - 131	Q19517

## Matrix Spike

Sample ID:		Result	Spike Amount	Units	Recovery %	Recovery Range %	QC Batch ID
166948	1,2,4-Trichlorobenzene	1.330226	1.68	mg/kg	80	26 - 97	Q19517
	1,4-Dichlorobenzene	1.362849	1.68	mg/kg	82	23 - 92	Q19517
	2,4-Dinitrotoluene	1.574567	1.68	mg/kg	95	45 - 127	Q19517
	2-Chlorophenol	1.337549	1.68	mg/kg	80	25 - 94	Q19517
	4-Chloro-3-methylphenol	1.459720	1.68	mg/kg	88	31 - 113	Q19517

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

# Level II QC Report

12/6/06

N. C. Department of Transportation  
 Attn: Bob Shau/El  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St/Alamance  
 Burlington, NC 27215  
 Project ID: DOT-Alamance-Burling  
 Project No.: WBS# 34911.1.1  
 COC Group Number: G1106572  
 Date/Time Submitted: 11/17/06 13:30

Matrix Spike						
Sample ID	Result	Spike Amount	Units	Recovery %	Recovery Range %	QC Batch ID
4-Nitrophenol	1.284620	1.66	mg/kg	77	17 - 150	Q19517
Acenaphthene	1.698069	1.66	mg/kg	102	36 - 107	Q19517
N-Nitrosodi-n-propylamine	1.517978	1.66	mg/kg	91	22 - 105	Q19517
Pentachlorophenol	1.525299	1.66	mg/kg	92	39 - 137	Q19517
Phenol	1.363848	1.66	mg/kg	82	23 - 97	Q19517
Pyrene	1.592876	1.66	mg/kg	96	45 - 133	Q19517

Matrix Spike Duplicate									
Sample ID	Result	Spike Amount	Units	Recovery %	Recovery Range %	RPD %	RPD Range %	QC Batch ID	
166948	1,2,4-Trichlorobenzene	1.14323	1.666	mg/kg	69	28 - 97	15	0 - 37	Q19517
	1,4-Dichlorobenzene	1.15689	1.666	mg/kg	69	23 - 92	16	0 - 36	Q19517
	2,4-Dinitrotoluene	1.46902	1.666	mg/kg	88	45 - 127	7	0 - 29	Q19517
	2-Chlorophenol	1.16489	1.666	mg/kg	70	25 - 94	14	0 - 37	Q19517
	4-Chloro-3-methylphenol	1.29913	1.666	mg/kg	78	31 - 113	12	0 - 32	Q19517
	4-Nitrophenol	1.17421	1.666	mg/kg	70	17 - 150	9	0 - 32	Q19517
	Acenaphthene	1.45736	1.666	mg/kg	87	36 - 107	15	0 - 32	Q19517
	N-Nitrosodi-n-propylamine	1.42138	1.666	mg/kg	85	22 - 105	7	0 - 37	Q19517
	Pentachlorophenol	1.37941	1.666	mg/kg	83	39 - 137	10	0 - 27	Q19517
	Phenol	1.18387	1.666	mg/kg	71	23 - 97	14	0 - 42	Q19517
	Pyrene	1.46202	1.666	mg/kg	88	45 - 133	9	0 - 27	Q19517

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

# Level II QC Report

12/6/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

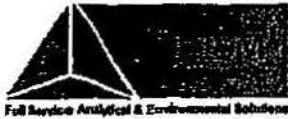
Project Name: S. Mebane St/Alamance  
 Burlington, NC 27215  
 Project ID: DOT-Alamance-Burling  
 Project No.: WBS# 34911.1.1  
 COC Group Number: G1108572  
 Date/Time Submitted: 11/17/06 13:30

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	Q19520
1,1,2,2-Tetrachloroethane	ND	0.005	<0.0025	mg/kg	Q19520
1,1,2-Trichloroethane	ND	0.005	<0.0025	mg/kg	Q19520
1,1-Dichloroethane	ND	0.005	<0.0025	mg/kg	Q19520
1,1-Dichloroethene	ND	0.005	<0.0025	mg/kg	Q19520
1,1-Dichloropropene	ND	0.005	<0.0025	mg/kg	Q19520
1,2,3-Trichlorobenzene	ND	0.005	<0.0025	mg/kg	Q19520
1,2,3-Trichloropropane	ND	0.005	<0.0025	mg/kg	Q19520
1,2,4-Trichlorobenzene	ND	0.005	<0.0025	mg/kg	Q19520
1,2,4-Trimethylbenzene	ND	0.005	<0.0025	mg/kg	Q19520
1,2-Dibromoethane (EDB)	ND	0.005	<0.0025	mg/kg	Q19520
1,2-Dichlorobenzene	ND	0.005	<0.0025	mg/kg	Q19520
1,2-Dichloroethane	ND	0.005	<0.0025	mg/kg	Q19520
1,2-Dichloropropane	ND	0.005	<0.0025	mg/kg	Q19520
1,3,5-Trimethylbenzene	ND	0.005	<0.0025	mg/kg	Q19520
1,3-Dichlorobenzene	ND	0.005	<0.0025	mg/kg	Q19520
1,3-Dichloropropane	ND	0.005	<0.0025	mg/kg	Q19520
1,4-Dichlorobenzene	ND	0.005	<0.0025	mg/kg	Q19520
2,2-Dichloropropane	ND	0.005	<0.0025	mg/kg	Q19520
2-Chlorotoluene	ND	0.005	<0.0025	mg/kg	Q19520
2-Hexanone	ND	0.05	<0.025	mg/kg	Q19520
4-Chlorotoluene	ND	0.005	<0.0025	mg/kg	Q19520
4-Methyl-2-pentanone (MIBK)	ND	0.05	<0.025	mg/kg	Q19520
Acetone	ND	0.05	<0.025	mg/kg	Q19520
Benzene	ND	0.003	<0.0015	mg/kg	Q19520
Bromobenzene	ND	0.005	<0.0025	mg/kg	Q19520
Bromochloromethane	ND	0.005	<0.0025	mg/kg	Q19520
Bromodichloromethane	ND	0.005	<0.0025	mg/kg	Q19520
Bromoform	ND	0.005	<0.0025	mg/kg	Q19520
Bromomethane	ND	0.01	<0.005	mg/kg	Q19520
Carbon tetrachloride	ND	0.005	<0.0025	mg/kg	Q19520
Chlorobenzene	ND	0.005	<0.0025	mg/kg	Q19520
Chlorodibromomethane	ND	0.005	<0.0025	mg/kg	Q19520
Chloroethane	ND	0.01	<0.005	mg/kg	Q19520
Chloroform	ND	0.005	<0.0025	mg/kg	Q19520
Chloromethane	ND	0.005	<0.0025	mg/kg	Q19520
cis-1,2-Dichloroethene	ND	0.005	<0.0025	mg/kg	Q19520
cis-1,3-Dichloropropene	ND	0.005	<0.0025	mg/kg	Q19520
Dichlorodifluoromethane	ND	0.005	<0.0025	mg/kg	Q19520
Ethylbenzene	ND	0.005	<0.0025	mg/kg	Q19520
Isopropyl ether (IPE)	ND	0.005	<0.0025	mg/kg	Q19520
Isopropylbenzene	ND	0.005	<0.0025	mg/kg	Q19520

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

# Level II QC Report

12/6/06

N. C. Department of Transportation  
 Attn: Bob Shaut/EI  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane SL/Alamance  
 Burlington, NC 27215  
 Project ID: DOT-Alamance-Burling  
 Project No.: WBS# 34911.1.1  
 COC Group Number: G1106572  
 Date/Time Submitted: 11/17/06 13:30

## Method Blank

	Result	RL	Control Limit	Units	QC Batch ID
m,p-Xylenes	ND	0.01	<0.005	mg/kg	Q19520
Methyl ethyl ketone (MEK)	ND	0.1	<0.05	mg/kg	Q19520
Methyl t-butyl ether (MTBE)	ND	0.01	<0.005	mg/kg	Q19520
Methylene chloride	ND	0.005	<0.0025	mg/kg	Q19520
n-Butylbenzene	ND	0.005	<0.0025	mg/kg	Q19520
n-Propylbenzene	ND	0.005	<0.0025	mg/kg	Q19520
Naphthalene	ND	0.01	<0.005	mg/kg	Q19520
o-Xylene	ND	0.005	<0.0025	mg/kg	Q19520
p-Isopropyltoluene	ND	0.005	<0.0025	mg/kg	Q19520
sec-Butylbenzene	ND	0.005	<0.0025	mg/kg	Q19520
Styrene	ND	0.005	<0.0025	mg/kg	Q19520
tert-Butylbenzene	ND	0.005	<0.0025	mg/kg	Q19520
Tetrachloroethene	ND	0.005	<0.0025	mg/kg	Q19520
Toluene	ND	0.005	<0.0025	mg/kg	Q19520
trans-1,2-Dichloroethene	ND	0.005	<0.0025	mg/kg	Q19520
trans-1,3-Dichloropropene	ND	0.005	<0.0025	mg/kg	Q19520
Trichloroethene	ND	0.005	<0.0025	mg/kg	Q19520
Trichlorofluoromethane	ND	0.005	<0.0025	mg/kg	Q19520
Vinyl acetate	ND	0.025	<0.0125	mg/kg	Q19520
Vinyl chloride	ND	0.005	<0.0025	mg/kg	Q19520

## Laboratory Control Sample

	Result	Spike Amount	Units	Recovery %	Recovery Range %	QC Batch ID
1,1-Dichloroethene	0.0609	0.05	mg/kg	122	57 - 122	Q19520
Benzene	0.05542	0.05	mg/kg	111	62 - 119	Q19520
Chlorobenzene	0.05272	0.05	mg/kg	105	61 - 124	Q19520
Toluene	0.05192	0.05	mg/kg	104	57 - 122	Q19520
Trichloroethene	0.05871	0.05	mg/kg	117	59 - 129	Q19520

## Matrix Spike

Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Range %	QC Batch ID	
166951	1,1-Dichloroethene	0.04345	0.05	mg/kg	87	44 - 140	Q19520
	Benzene	0.04982	0.05	mg/kg	100	46 - 136	Q19520
	Chlorobenzene	0.04642	0.05	mg/kg	93	47 - 135	Q19520
	Toluene	0.04387	0.05	mg/kg	88	47 - 136	Q19520
	Trichloroethene	0.05541	0.05	mg/kg	111	45 - 141	Q19520

## Matrix Spike Duplicate

Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Range %	RPD %	RPD Range %	QC Batch ID	
166951	1,1-Dichloroethene	0.0406	0.05	mg/kg	81	44 - 140	7	0 - 23	Q19520
	Benzene	0.04751	0.05	mg/kg	95	46 - 136	5	0 - 22	Q19520
	Chlorobenzene	0.04637	0.05	mg/kg	93	47 - 135	0	0 - 22	Q19520
	Toluene	0.04327	0.05	mg/kg	87	47 - 136	1	0 - 22	Q19520

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

# Level II QC Report

12/6/06

N. C. Department of Transportation  
 Attn: Bob Shaufel  
 c/o Environmental Investigations, Inc  
 2101 Gateway Centre Blvd. Ste 200  
 Morrisville, NC 27560

Project Name: S. Mebane St./Alamance  
 Burlington, NC 27215  
 Project ID: DOT-Alamance-Burling  
 Project No.: WBS# 34911.1.1  
 COC Group Number: G1106572  
 Date/Time Submitted: 11/17/06 13:30

### Matrix Spike Duplicate

Sample ID:	Result	Spike Amount	Units	Recovery %	Recovery Range %	RPD %	RPD Range %	QC Batch ID
Trichloroethene	0.05364	0.05	mg/kg	107	45 - 141	3	0 - 23	Q19520

#-See Case Narrative



Full Service Analytical & Environmental Solutions

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Phone: 704/829-8384 • Fax: 704/825-0400

TIP# U-3303B

# CHAIN OF CUSTODY RECORD

PAGE 1 OF QUOTE # TO ENSURE PROPER BILLING:

Project Name: DOT-ALAMANCE, BURLINGTON  
Short Hold Analysis: (Yes) (No) UST Project: (Yes) (No)  
\*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements  
Invoice To: NC DOT  
Address: \_\_\_\_\_

LAB USE ONLY		YES	NO
STRICTLY IN CONTACT WITH AIR			
RESIDUAL VOLUME OF AIR			
PROPER PRESERVATIVES ADDED			
RECEIVED WITHIN HOLDING TIMES			
CONTAINER SEALS INTACT			
NO VOLUME LOSS WITH HEADSPACE			
PROPER CONTAINERS USED			

Client Company Name: EI, INC  
Report To/Contact Name: DARREN R. LOCKHART  
Reporting Address: 2101 GATEWAY CENTER, 200 MORRISVILLE, NC 27560

Phone: 919.657.7500 Fax (Yes) (No):  
Email (Yes) (No) Email Address: dlockhart@ei.com  
EDD Type: PDF Excel Other  
Site Location Name: FINE MISS AMER SALES  
Site Location Physical Address: S. MORGAN ST./ALAMANCE BURLINGTON, NC 27205

Purchase Order No./Billing Reference: EMM050001 01  
Requested Due Date:  1 Day  2 Days  3 Days  4 Days  5 Days  
"Working Days"  8-9 Days  Standard 10 days  
Samples received after 15:00 will be processed next business day.  
Turnaround time is based on business days, excluding weekends and holidays.  
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

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		6240	6270	MADEY	MADEY		
UST1-8.5	11/14/06	1425	G		7			X	X	X	X		166933
UST2-8.5	"	1530	"					X	X	X	X		166934
UST3-8.5	"	1545	"					X	X	X	X		166935
2XCAV1-3.5	11/15/06	1450	"					X	X	X	X		166936
2XCAV2-3.5	"	1455	"					X	X	X	X		166937
2XCAV3-3.5	"	1525	"					X	X	X	X		166938
2XCAV4-3.5	"	1535	"					X	X	X	X		166939
2XCAV5-3.5	"	1555	"					X	X	X	X		166940
2XCAV6-3.5	"	1600	"					X	X	X	X		166941
2XCAV7-4.0	"	1615	"					X	X	X	X		166942

Sampler's Signature: [Signature] Sampled By (Print Name): DARREN R. LOCKHART Affiliation: EI

PRESS DOWN FIRMLY - 3 COPIES

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

Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature) <u>Alex Lapsivier</u>	Date: <u>11/17/06</u>	Military/Hours: <u>1005</u>
Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature) <u>[Signature]</u>	Date: <u>11/17/06</u>	Military/Hours: <u>1200</u>
Relinquished By: (Signature) <u>[Signature]</u>	Received For Prism Laboratories By: <u>[Signature]</u>	Date: <u>11/17/06</u>	Military/Hours: <u>1330</u>
Method of Shipment: <input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> Hand-delivered <input checked="" type="checkbox"/> Prism Field Service <input type="checkbox"/> Other	NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CAPSODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST QC UNTIL RECEIVED AT THE LABORATORY.		
Log-In Group No. <u>G1146572</u>			

Additional Comments:

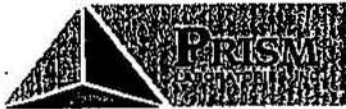
PRISM USE ONLY	
Site Available	
Site Departure Time	
Site Arrival Time	
Site Contact	
Site Address	

NPDES: <input type="checkbox"/> NC <input type="checkbox"/> SC	UST: <input type="checkbox"/> NC <input type="checkbox"/> SC	GROUNDWATER: <input type="checkbox"/> NC <input type="checkbox"/> SC	DRINKING WATER: <input type="checkbox"/> NC <input type="checkbox"/> SC	SOLID WASTE: <input type="checkbox"/> NC <input type="checkbox"/> SC	RCRA: <input type="checkbox"/> NC <input type="checkbox"/> SC	CERCLA: <input type="checkbox"/> NC <input type="checkbox"/> SC	LANDFILL: <input type="checkbox"/> NC <input type="checkbox"/> SC	OTHER: <input type="checkbox"/> NC <input type="checkbox"/> SC
--	--	--	---	--	---	---	---	--

\*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-lined Can VOA = Volatile Organic Analyses (7am Head Space)

SEE REVERSE FOR TERMS & CONDITIONS

ORIGINAL



Full Service Analytical & Environmental Solutions

449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543  
 Phone: 704/822-8384 • Fax: 704/822-0409

Client Company Name: EI, Inc.  
 Report To/Contact Name: DAAREN R. LOCKHART  
 Reporting Address: 210 GATEWAY CENTRE  
STE 200, MORRISVILLE, NC 27560

Phone: 704-657-7500 Fax (Yes) (No):  
 Email (Yes) (No) Email Address: dlockhart@ei.com  
 EDD Type:  PDF  Excel  Other  
 Site Location Name: FMR, MOSS AUTO SALES  
 Site Location Physical Address: S. MERRITT ST.  
ALAMANCE CO., BURLINGTON, NC 27215

# TIP# U-3303B CHAIN OF CUSTODY RECORD

PAGE 2 OF 4 QUOTE # TO ENSURE PROPER BILLING:

Project Name: DOT-ALAMANCE BURLINGTON  
 Short Hold Analysis: (Yes) (No) UST Project: (Yes) (No)  
 \*Please ATTACH any project specific reporting (QC LEVEL II III IV)  
 provisions and/or QC Requirements  
 Invoice To: NC DOT  
 Address: \_\_\_\_\_

LAB USE ONLY	
Sample ID	_____
Sample Location	_____
Sample Date	_____
Sample Time	_____
Sample Matrix	_____
Sample Volume	_____
Sample Temperature	_____
Sample Storage	_____
Sample Handling	_____
Sample Analysis	_____
Sample Results	_____
Sample Comments	_____

Purchase Order No./Billing Reference: ENM0050002.01  
 Requested Due Date:  1 Day  2 Days  3 Days  4 Days  5 Days  
 "Working Days"  5-9 Days  Standard 10 days  
 Samples received after 15:00 will be processed next business day.  
 Turnaround time is based on business days, excluding weekends and holidays.  
 (SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES  
 RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

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		BZRP	SDAS	BZRP	MADE		
2XCAVB-4	11/15/06	1600	S		7			X	X	X	X		166943
1XCAV1-12	"	1645	"					X	X	X	X		166944
1XCAV2-12	"	1650	"					X	X	X	X		166945
1XCAV3-11	"	1655	"					X	X	X	X		166946
1XCAV4-11	"	1700	"					X	X	X	X		166947
1XCAV5-11	"	1705	"					X	X	X	X		166948
1XCAV6-11	"	1710	"					X	X	X	X		166949
1XCAV7-11	"	1715	"					X	X	X	X		166950
1XCAVB-11	"	1725	"					X	X	X	X		166951

Sampler's Signature: DAAREN R. LOCKHART Sampled By (Print Name): DAAREN R. LOCKHART Affiliation: EI

PRESS DOWN FIRMLY - 3 COPIES

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

Relinquished By: (Signature) <u>DAAREN R. LOCKHART</u>	Received By: (Signature) <u>Alex Lassiter</u>	Date: <u>11/17/06</u>	Military/Hours: <u>1005</u>
Relinquished By: (Signature) <u>Alex Lassiter</u>	Received By: (Signature) <u>[Signature]</u>	Date: <u>11/17/06</u>	Military/Hours: <u>1200</u>
Relinquished By: (Signature) <u>[Signature]</u>	Received For Prism Laboratories By: <u>[Signature]</u>	Date: <u>11/17/06</u>	Military/Hours: <u>1330</u>

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

Fed Ex  UPS  Hand-delivered  Prism Field Service  Other \_\_\_\_\_

Log-In Group No. G1106572

Additional Comments:

PRISM USE ONLY	
Analysis Date	_____
Analysis Time	_____
Analysis Location	_____
Analysis Matrix	_____
Analysis Volume	_____
Analysis Temperature	_____
Analysis Storage	_____
Analysis Handling	_____
Analysis Results	_____
Analysis Comments	_____

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

\*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic TI = Teflon-lined Can VC = Volatile Organics Analysis (7mm Head Space)

SEE REVERSE FOR TERMS & CONDITIONS  
 ORIGINAL