



July 14, 2011

Mr. Ethan Caldwell, L.G., P.E.
North Carolina Department of Transportation
Geotechnical Unit
1589 Mail Service Center
Raleigh, NC 27699-1589

**Re: Excavation, UST Removal and Soil Sampling Activities
State Project R-3405 – Helen G. Brown Property
TIP: R-3405
WBS Element: 35579.1.1
AMEC Project: 56211R340**

Dear Mr. Caldwell:

AMEC Earth & Environmental, Inc. of North Carolina (AMEC) is pleased to provide a summary of UST removal as well as soil sampling activities performed at the above-referenced Site on May 13, 2011. This work was conducted in accordance with your notice to proceed dated May 10, 2011. Three onsite USTs were intended to be closed by removal but the two larger USTs could not be excavated at this time due to access challenges.

SITE LOCATION

Facility I.D.: N/A UST Incident Number: N/A
Site Name: R-3405 – Helen G Brown Property
Site Street Address: 1967 Sparta Rd
City/Town: North Wilkesboro Zip Code: 28659 County: Wilkes
Description of Geographical Point: N/A
Location Method (GPS, Topographical Map, Other): Google Maps
Latitude: 36 °22'12" Longitude: 81°16'83"

CONTACTS

| | | |
|--------------------------|--|----------------------|
| Responsible Party: | NCDOT | |
| Contact Person: | Ethan Caldwell, L.G., P.E. | |
| Address: | 1589 Mail Service Center, Raleigh, NC,27699 | Phone: (919)707-6869 |
| Property Owner: | Helen G Brown | |
| Address: | 1965 and 1967 Sparta Rd North Wilkesboro, NC 28659 | Phone: |
| Contact Person: | | |
| Property Occupant: | Helen G Brown | |
| Address: | 1967 Sparta Rd North Wilkesboro, NC 28659 | Phone: |
| Primary Consultant: | AMEC North Carolina Inc. | |
| Address: | 2801 Yorkmont Road Suite 100 Charlotte, NC 28208 | Phone: (704)357-5516 |
| Soil Removal Contractor: | EVO Corporation | |
| Address: | 1703 Vargrave St Winston Salem, NC | Phone: 336-231-0068 |
| Analytical Laboratory: | Pace Analytical | |
| Address: | 9800 Kinsey Ave, Ste 100 Huntersville, NC 28078 | Phone: 704-875-9092 |
| State Certificate No.: | 12 | |

PHYSICAL SETTING AND BACKGROUND INFORMATION

The Site most recently operated as a hair salon, however historically operated as a gas station. There is one multi-tenant building on the parcel. Formerly Nicole's Hair Salon was located in the southern three quarters of the building. The northern quarter of the building is an office for a Baptist Church. At the time of this May 2011 UST removal the rear of the building was occupied as a residence.

The proposed DOT project will take the entire parcel. Three USTs were observed at this facility. One UST had a visible fuel port while the other two were not identified until the geophysical survey.

In a February 2011 Preliminary Site Assessment, AMEC reported in that an estimated 267 cubic yards of potentially impacted soil was onsite. Field observations and soil sample analyses suggests that release did occur however the source of the release is unknown.

The Helen G. Brown Property parcel is located on the northwestern corner of the intersection of Sparta and Brown Berry Roads in North Wilkesboro, Wilkes County, North Carolina, as shown in Figure 1. The properties to the north, south, east and west are residential with single family homes.



The Helen G. Brown Property is located within the Alligator Back Formation of the Ocoee Supergroup located in the Blue Ridge Physiographic Province of western North Carolina. The Alligator Back Formation comprises metamorphic sedimentary rocks that are 750 million years in age. The rocks include mica schist and phyllite that are interlayered with minor biotite. The Alligator Back rocks were named for the large sections of gneiss that descend from the peak of Bluff Mountain that resemble an alligator.

Native soils encountered during sampling activities predominantly consisted of orange clayey silt. An excavation log is included in the attachments following this letter.

UST REMOVAL AND SOIL SAMPLING ACTIVITIES

Prior to excavation activities, AMEC requested and received a utility walk-through from North Carolina One Call. The proximal utilities had already been located by Priority Underground Locating for the PSA activities. The local Fire Marshal and NCDENR were also notified prior to field activities.

AMEC retained EVO to perform evacuation of residual fluids from the USTs, to excavate and properly dispose the USTs, and to potentially excavate and properly dispose of up to 20 cubic yards of potentially affected soils. AMEC provided oversight and direction during evacuation, excavation and removal activities, which were performed on the 13th of May 2011.

UST closure commenced with fluids removal from the three USTs using a vacuum truck. A total of 1,720 gallons of a mixture of water, gasoline and #2 fuel oil was evacuated from the USTs. The USTs were rendered inert by dropping dry ice into them. The lower explosive limit (LEL) within each tank was then checked with a PID to verify safe conditions for removal. The smallest tank, UST-3, was completely uncovered and removed from the ground. The UST removal confirmed the 550 gallon size of the UST as it was listed in the geophysical survey presented in the Preliminary Site Assessment. Tank UST-3 was slightly rusted and pitted but in overall good condition. The disposal certificates and NCDENR's Form UST2 are included in the attachments following this letter.

Sampling was accomplished with the use of a mini excavator operated by EVO. Sample P-128-UST-3 was collected at 5.0 feet bgs which is within 2 feet of the bottom and center of the UST. Field screening did not indicate that the soil in the tank bed was impacted so over excavation was not conducted. Field screening data are shown in Table 1.

The sample was collected using nitrile-gloved hands and a laboratory-provided disposable syringe. The sample was then placed into a clean laboratory-supplied glass sample container, with proper preservative, and immediately placed in a cooler on ice. The sample was hand delivered to Pace Analytical of Huntersville, North Carolina (NC Laboratory Certification Number 12). Sample P-128-UST-3 was analyzed for volatile organic compounds (VOCs) by US EPA Method 8260B; semi-volatile organic compounds (SVOCs) by EPA Method 8270C; and volatile petroleum hydrocarbons (VPH) and extractable petroleum hydrocarbons (EPH) by the Massachusetts Department of Environmental Protection Methods (MADEP).

While tank UST-3 removal activities were proceeding, other EVO personnel cut the overlying concrete with a concrete cutting saw to expose tanks UST-1 and UST-2. After UST-3 excavation activities were complete the excavator moved to the UST-1 and UST-2 tank bed and

began to uncover them. Once the USTs were uncovered to a point that EVO personnel could measure the diameter of the tanks, EVO and AMEC personnel determined that the geophysical survey underestimated the size of both USTs. The geophysical survey estimated the size of UST-1 to be a 1,000 gallon capacity tank and UST-2 to be a 1,500 gallon capacity tank. Based on the actual diameters of both being 53 inches, it was determined that these USTs were actually 2,000 gallon capacity tanks with 12 feet lengths while the anticipated length had been 9 feet. Thus it was determined that the western ends of both tanks were underneath the southeastern corner of the building and their removal could cause a collapse of the building. It was then agreed upon by NCDOT, AMEC and EVO personnel to postpone the removal of these two USTs. EVO then backfilled the exposed tank bed around UST-1 and UST-2 and completed the ground surface with gravel.

FINDINGS

The sample location and results are shown in Figures 2 and 3. Closure sample P-128-UST-3 was collected from within 2 feet of the bottom of UST-3. Its sample results reported no detections for VOCs, SVOCs, and VPH. Detections of EPH were reported for Aliphatics C9-C18 and C19-C-36 at respective concentrations of 70.8 mg/kg and 95.9 mg/kg. These results are included in Table 2. None of the Maximum Soil Contaminant Concentrations (MSCC) were exceeded.

CONCLUSIONS

The following conclusions are derived from Site conditions and sample results from field activities conducted in May 2011.

- Tank UST-3 was 550 gallon in capacity and most recently stored fuel oil.
- Laboratory results indicate that VOCs, SVOCs, VPH were not detected above reporting limits for the UST sample. EPH Aliphatic concentrations in two carbon ranges were reported but no MSCC were exceeded.
- Two 2,000-gallon capacity UST remain on site and should be removed after demolition of the building.

Based on visual field observations and laboratory results, AMEC does not propose further action with respect to tank UST-3. Should you have any questions or need further information please contact Ms. Corley at (704) 236-3494.

Mr. Ethan Caldwell
Helen G Brown Property, North Wilkesboro
July 14, 2011



Best Regards,

AMEC Earth & Environmental, Inc. of North Carolina



A handwritten signature in blue ink that reads "Troy L. Holzschuh".

Troy L. Holzschuh
Engineering Technician

A handwritten signature in blue ink that reads "Helen P. Corley".

Helen P. Corley, LG
NCDOT Program Manager

TABLES

Table 1
PID Field Screening
NCDOT - Parcel 128
Sparta Rd, North Wilkesboro, North Carolina

| SAMPLE ID | Sample Date | Comments | Sample Depth (feet bgs) | Field Screening (ppm) |
|------------------|--------------------|-----------------------|------------------------------------|--------------------------------------|
| P-1 | 5/13/2011 | P-128-UST-3 | 5 | 0 |
| P-2 | 5/13/2011 | West wall of UST bed | 5 | 0 |
| P-3 | 5/13/2011 | South wall of UST bed | 5 | 0 |
| P-4 | 5/13/2011 | East wall of UST bed | 5 | 0 |
| P-5 | 5/13/2011 | North wall of UST bed | 5 | 0 |
| | | | | |

Table 2
Soil Analytical Data
Volatile Petroleum Hydrocarbons/Extractable Petroleum Hydrocarbons
1967 Sparta Road
North Wilkesboro, North Carolina

| Sample ID Number | Sample Date | Sample Depth (ft bgs) | Aliphatics (mg/kg) | | | | Aromatics (mg/kg) | |
|----------------------------|-------------|-----------------------|--------------------|------------|------------|-----------------|-------------------|-------------|
| | | | VPH C5-C8 | VPH C9-C12 | EPH C9-C18 | EPH C19-C36 | VPH C9-C10 | EPH C11-C22 |
| Industrial/Commercial MSCC | | | 24,528 | 245,280 | | >100% | 12,264 | |
| Residential MSCC | | | 939 | 9,386 | | 93,860 | 469 | |
| Soil-to-Groundwater MSCC | | | 72 | 3,300 | | <i>Immobile</i> | 34 | |
| P-128-UST-3 | 5/13/2011 | 5 | < 1.8 | <1.8 | 70.8 | 95.9 | <1.8 | <12.2 |

NOTES:

VPH = Volatile petroleum hydrocarbons

MSCC = Maximum soil contaminant concentration

EPH = Extractable petroleum hydrocarbons

ft bgs = feet below land surface

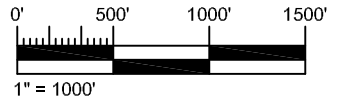
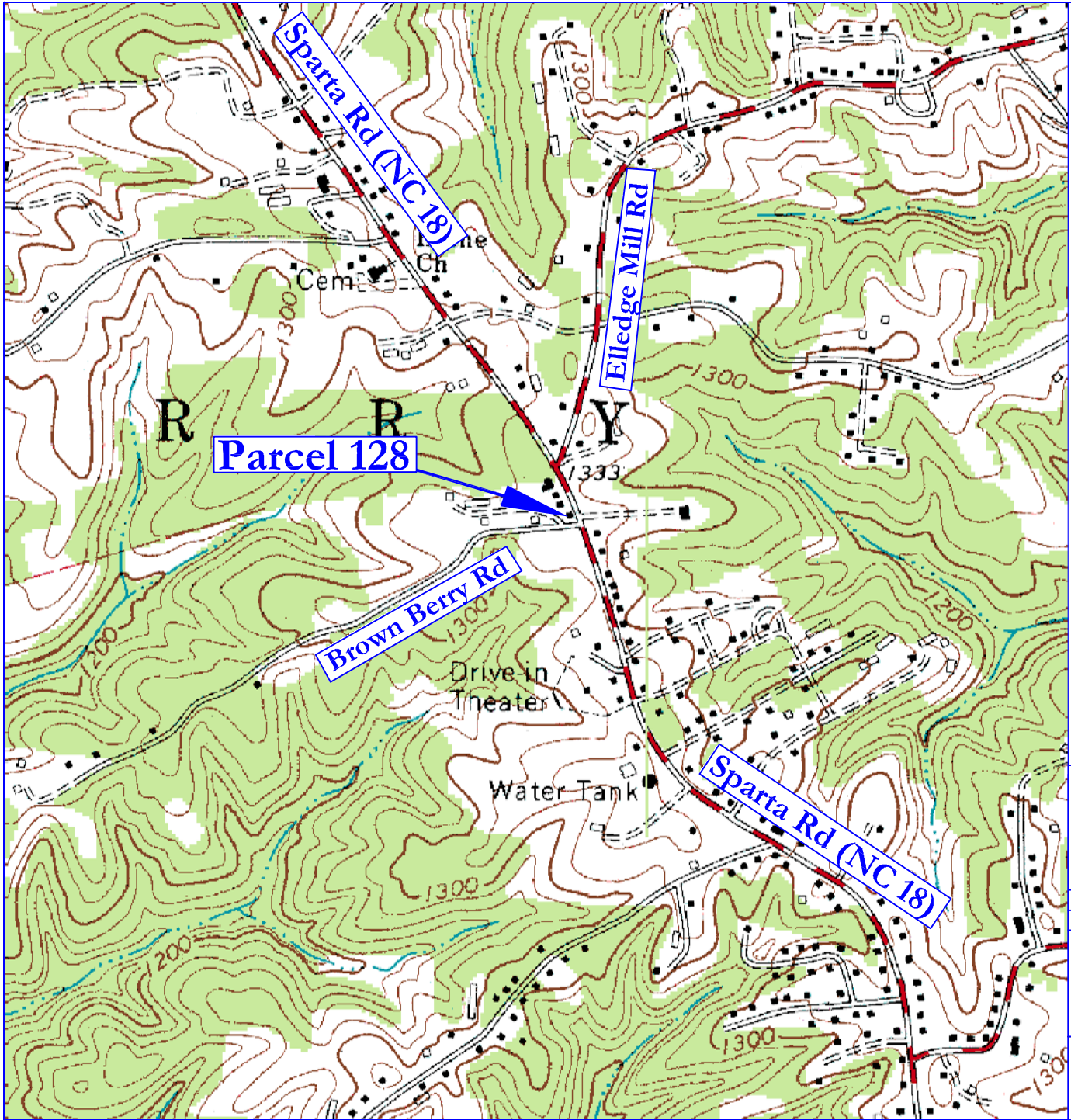
(mg/kg) = milligrams per kilogram

Concentrations which exceed the Soil-to-Groundwater MSCC are highlighted in **BOLD**

Concentrations which exceed the Residential MSCC are highlighted in **BOLD** and Underlined

Concentrations which exceed the Industrial MSCC are highlighted in **BOLD**, Underlined and Shaded Gray

FIGURES



7.5 Minute Quadrangle
 North Carolina, 1983
 Photorevised 1993

VICINITY MAP

Parcel #128, Helen G. Brown Property
 (Nicole's Salon)
 North Wilkesboro, Wilkes County, NC

| | |
|------------------------------------|---------------|
| DRAWING NAME: J:\NCDOT\Wilkes\FIC1 | DATE: 2/24/11 |
| SCALE: 1 INCH = 1,000 FEET | DR TLH |
| | CHK HPC |
| | REV |

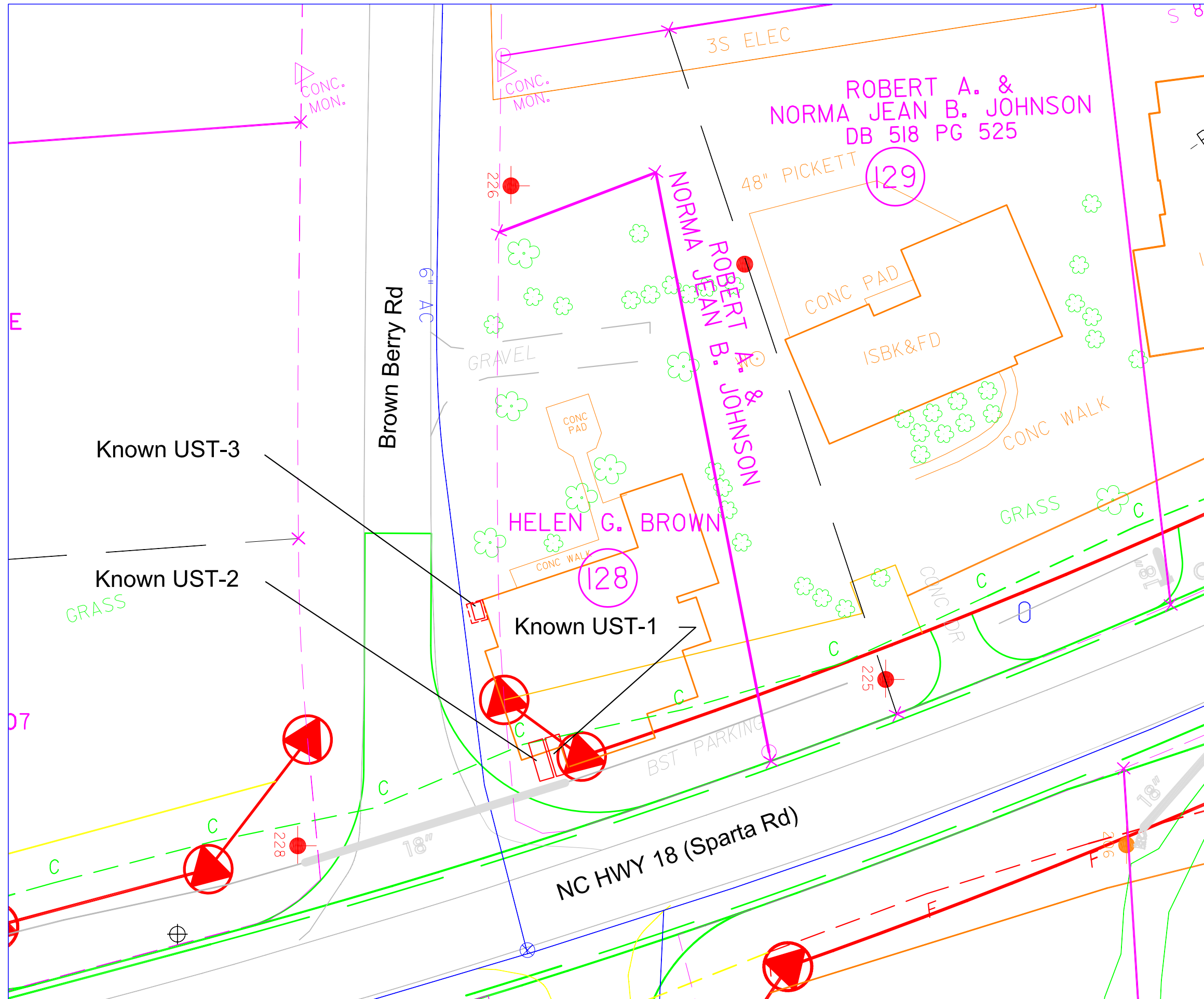
PREPARED FOR:
 NC Department Of Transportation
 Geotechnical Unit
 WBS Element: 35579.1.1
 TIP# R-3405

Prepared By:













2800 Gateway Centre Blvd
 Suite 205
 Morrisville, NC 27560
 (919) 447-2760

Figure: Figure 1



LEGEND

-  Proposed Right of Way
-  Existing Property Line
-  Existing Right of Way
-  Cut Line
-  Fill Line
-  Transition Line
-  Excavation
-  Known UST
-  Utility Easement
-  Utility Pole

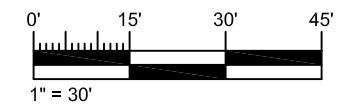
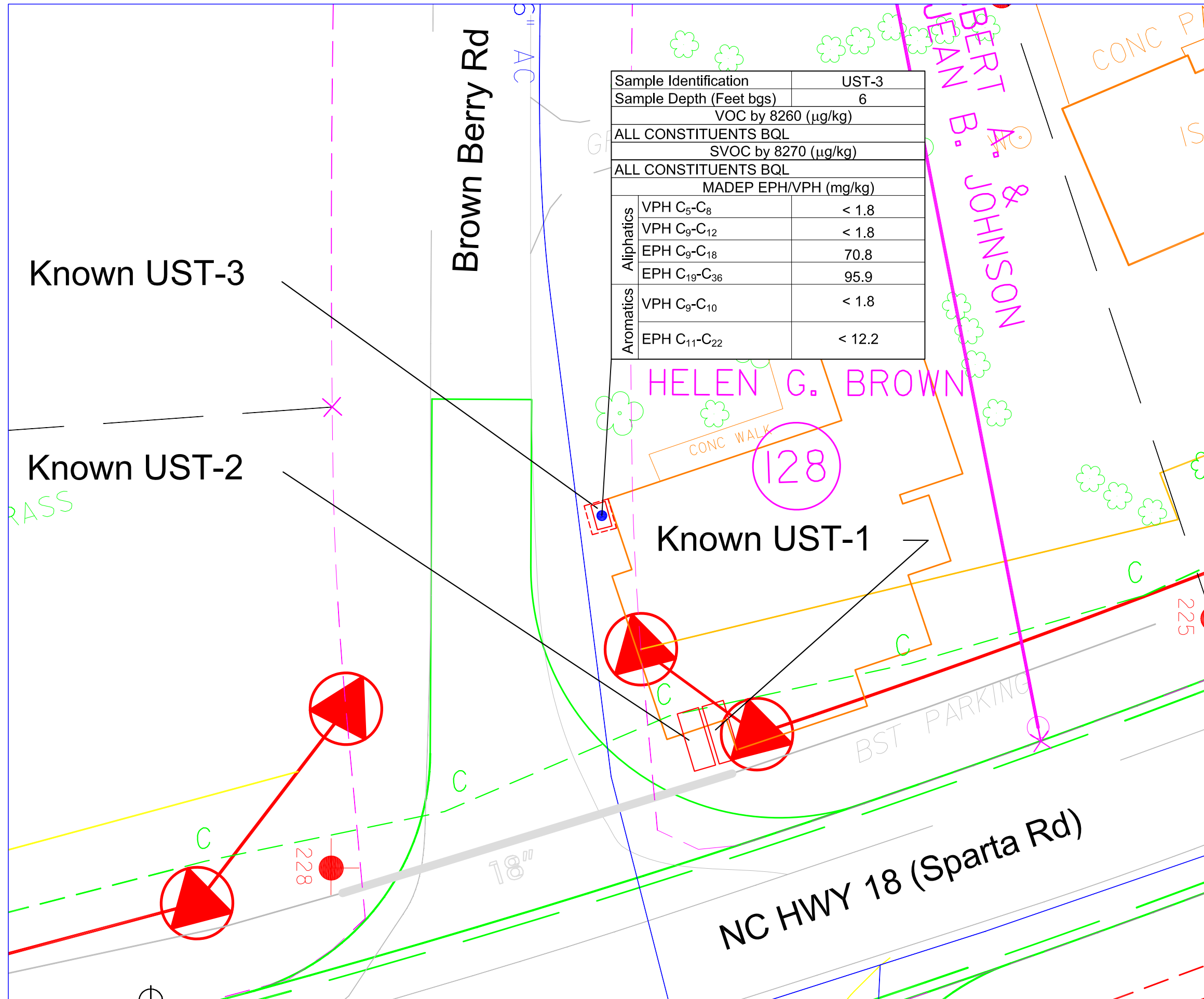


Figure 2
Parcel #128 Helen G Brown Property
Site Map

NC Department of Transportation
Geotechnical Unit
WBS Element: 35579.1.1
TIP# R-3405



2200 Gateway Centre Blvd
Suite 205
Morrisville, NC 27560
(919) 447-2750



LEGEND

- Proposed Right of Way
- Existing Property Line
- Existing Right of Way
- Excavation
- Known UST
- Sample Location

Notes:
-Samples were collected on May 13, 2011

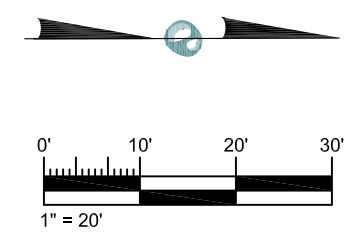


Figure 3
Parcel #128 Helen G Brown Property
Site Map With Analytical Data

NC Department of Transportation
Geotechnical Unit
WBS Element: 35579.1.1
TIP# R-3405

EXCAVATION LOG

MANIFESTS AND DISPOSAL CERTIFICATES

TANK DISPOSAL CERTIFICATE

Tank Owner: Helen G. Brown (Parcel 128)

Site Address: 1967 Sparta Road
North Wilkesboro, NC

Tank Description:

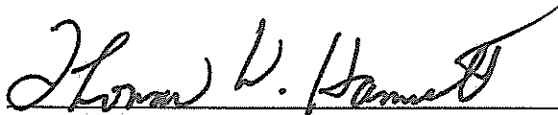
| <u>Tank Number</u> | <u>Size of Tank</u> | <u>Contents</u> |
|--------------------|---------------------|-----------------|
| 1 | 550 Gallons | #2 Fuel Oil |

Transporter: Evo Corporation

EC Project #: 051127

Disposal Certification:

Evo Corporation does hereby certify that the above named storage tank was transported to OmniSource Southeast in Winston-Salem, NC for proper disposal and recycling.



Signature

Thomas W. Hammett
CEO
Evo Corporation



1703 Vargrave Street
Winston-Salem, NC 27107
ph 336-725-5844
fax 336-725-6244

CERTIFICATE OF DISPOSAL

Evo Corporation does hereby certify that 1,720 gallons of non-hazardous contaminated water received on 05/11/2011 from:

Generator: Helen G. Brown (Parcel 128)

Originating at: 1967 Sparta Road
North Wilkesboro, NC

EC Waste ID #: 051127

has been disposed of by Evo Corporation in a manner approved by the North Carolina Department of Environment and Natural Resources.

Signature

Thomas W. Hammett
CEO
Evo Corporation

EVO CORPORATION

1703 Vargrave Street, Winston-Salem, NC 27107

www.evocorp.net

NON-HAZARDOUS MATERIALS MANIFEST

Load #

Manifest No. **71368**

GENERATOR INFORMATION

Generator: Helen G Brown (Parcel 128)

Phone: 704-236-3494

Site Address: 1967 Sparta Road

City/State: North Wilkesboro, NC 28659

Contact: Helen Corley

MATERIAL DESCRIPTION / QUANTITY / WEIGHT

Gross Weight (lbs): _____

Material: Water

Empty Weight (lbs): _____

Contaminant: Gasoline & #2 Fuel Oil

Net Weight (lbs): _____

Quantity

1720

Tons Drums Pails Sacs Yards Other: 591

TRANSPORTER INFORMATION

Transporter: Evo Corporation

Phone: 336-725-5844

Truck #: 462

Contact: Tony Disher

As the transporter, I certify that the materials described above being shipped under this non-hazardous materials manifest are properly classified, packaged, labeled, secured and are in proper condition for transport in commerce under the applicable regulations governing transportation, and I hereby receive this material for delivery to the facility designate.

Driver Signature: _____

Date: 5/11/11

FACILITY INFORMATION

051127

Evo Project #: _____

EVO CORPORATION
1703 Vargrave Street
Winston-Salem, NC 27107

Phone: (336) 725-5844

Contact: Tony Disher

I certify that the carrier has delivered the materials described above to this facility, and I hereby accept this material for treatment and/or disposal in a manner that has been authorized by the State of North Carolina.

Facility Signature: _____

Date: 05/11/11

White/Facility

Canary/Invoice

Goldenrod/Generator

Pink/Carrier

UST-2 FORM

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

Return completed form to:

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

STATE USE ONLY:

I.D. # _____

Date Received _____

INSTRUCTIONS (READ THIS FIRST)

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

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

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

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

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

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

| I. OWNERSHIP OF TANKS | | | | II. LOCATION OF TANKS | | | |
|--|--|--------------------------|--|---|--|-------------------------|--|
| Owner Name (Corporation, Individual, Public Agency, or Other Entity) <i>Helen G Brown</i> | | | | Facility Name or Company <i>(Former) Nicolas Salon</i> | | | |
| Street Address <i>1965 Sparta Rd</i> | | | | Facility ID # (if known) <i>None Identified</i> | | | |
| City <i>North Wilkesboro</i> | | County <i>Wilkes</i> | | Street Address <i>1965 Sparta Rd</i> | | | |
| State <i>North Carolina</i> | | Zip Code <i>28659</i> | | City <i>North Wilkesboro</i> | | County <i>Wilkes</i> | |
| | | | | Zip Code <i>28659</i> | | | |
| Phone Number | | | | Phone Number | | | |

III. CONTACT PERSONNEL

| | | |
|---|--|---|
| Contact for Facility: <i>Ethan Caldwell</i> | Job Title: <i>LG PE</i> | Phone No: <i>919-707-6850</i> |
| Closure Contractor Name: <i>Tony Discher</i> | Closure Contractor Company: <i>EVO Corp</i> | Address: <i>1703 Vargrave St Winston Salem, NC</i> |
| Primary Consultant Name: <i>Troy L Holzschuh</i> | Primary Consultant Company: <i>AMEL E+J</i> | Address: <i>2200 Gateway Centre Blvd Morrisville, NC</i> |
| | | Phone No: <i>919-447-2750</i> |

| IV. UST INFORMATION FOR REGISTERED UST SYSTEMS | | | | | | | V. EXCAVATION CONDITION | | | | | |
|--|-----------------|-----------------|---------------|---------------|----------------------|------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--|--------------------------|
| Tank ID No. | Size in Gallons | Tank Dimensions | Last Contents | Last Use Date | Permanent Close Date | Change-in-Service Date | Water in excavation | | Free product | | Notable odor or visible soil contamination | |
| | | | | | | | Yes | No | Yes | No | Yes | No |
| | | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| VI. UST INFORMATION FOR UNREGISTERED UST SYSTEMS | | | | | | | VII. EXCAVATION CONDITION | | | | | |
|--|-----------------|-----------------|--------------------|---------------|----------------------|-------------------|---------------------------|-------------------------------------|--------------------------|-------------------------------------|--|-------------------------------------|
| Tank ID No. | Size in Gallons | Tank Dimensions | Last Contents | Last Use Date | Permanent Close Date | Tank Owner Name * | Water in excavation | | Free product | | Notable odor or visible soil contamination | |
| | | | | | | | Yes | No | Yes | No | Yes | No |
| | <i>550</i> | <i>4'x69"</i> | <i>#2 Fuel Oil</i> | | <i>5-13-11</i> | <i>NC DOT</i> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| | | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

* If the tank owner address is different from the one listed in Section I., then enter the street address, city, state, zip code and telephone no. below:
1589 Mail Service Center, Raleigh, NC 27699

VI. CERTIFICATION

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

| | | |
|---|--------------------------------------|-------------------------------|
| Print name and official title of owner or owner's authorized representative <i>Troy L Holzschuh Engineering Tech</i> | Signature <i>Troy L Holzschuh</i> | Date Signed <i>6-20-11</i> |
|---|--------------------------------------|-------------------------------|

**ANALYTICAL REPORT AND CHAIN OF CUSTODY
DOCUMENTATION**



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

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

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

May 26, 2011

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

RE: Project: 35579.1.1 WILKES CO UST
Pace Project No.: 9294182

Dear Chemical Engineer:

Enclosed are the analytical results for sample(s) received by the laboratory on May 13, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

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

Sincerely,

Kevin Herring

kevin.herring@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 32

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..





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

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

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

CERTIFICATIONS

Project: 35579.1.1 WILKES CO UST
 Pace Project No.: 9294182

Charlotte Certification IDs

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078
 Louisiana/LELAP Certification #: 04034
 New Jersey Certification #: NC012
 North Carolina Drinking Water Certification #: 37706
 North Carolina Field Services Certification #: 5342
 North Carolina Wastewater Certification #: 12
 Pennsylvania Certification #: 68-00784
 South Carolina Certification #: 99006001

South Carolina Drinking Water Cert. #: 99006003
 Virginia Certification #: 00213
 Connecticut Certification #: PH-0104
 Florida/NELAP Certification #: E87627
 Kentucky UST Certification #: 84
 Louisiana DHH Drinking Water # LA 100031
 West Virginia Certification #: 357

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..



SAMPLE ANALYTE COUNT

Project: 35579.1.1 WILKES CO UST
Pace Project No.: 9294182

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|------------|-----------------|---------------|----------|-------------------|------------|
| 9294182001 | P-128-UST-3 (5) | MADEP EPH | RES | 7 | PASI-C |
| | | MADEP VPH | AW | 5 | PASI-C |
| | | EPA 8270 | BPJ | 74 | PASI-C |
| | | EPA 8260 | DLK | 71 | PASI-C |
| | | ASTM D2974-87 | KDF | 1 | PASI-C |

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

HITS ONLY

Project: 35579.1.1 WILKES CO UST
Pace Project No.: 9294182

| Lab Sample ID Method | Client Sample ID Parameters | Result | Units | Report Limit | Analyzed | Qualifiers |
|-------------------------|--------------------------------|------------|-------|--------------|----------------|------------|
| 9294182001 | P-128-UST-3 (5) | | | | | |
| MADEP EPH | Aliphatic (C09-C18) | 70.8 mg/kg | | 24.5 | 05/18/11 17:04 | N2 |
| MADEP EPH | Aliphatic (C19-C36) | 95.9 mg/kg | | 24.5 | 05/18/11 17:04 | N2 |
| ASTM D2974-87 | Percent Moisture | 18.3 % | | 0.10 | 05/17/11 08:19 | |

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

PROJECT NARRATIVE

Project: 35579.1.1 WILKES CO UST
Pace Project No.: 9294182

Method: MADEP EPH
Description: MADEP EPH NC Soil
Client: NCDOT
Date: May 26, 2011

General Information:

1 sample was analyzed for MADEP EPH. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with MADEP EPH with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: OEXT/13613

N2: The lab does not hold NELAC accreditation for this parameter.

- BLANK (Lab ID: 607167)
 - Aliphatic (C09-C18)
 - Aliphatic (C19-C36)
 - Aromatic (C11-C22)
- LCS (Lab ID: 607168)
 - Aliphatic (C09-C18)
 - Aliphatic (C19-C36)
 - Aromatic (C11-C22)

REPORT OF LABORATORY ANALYSIS

Page 5 of 32

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



PROJECT NARRATIVE

Project: 35579.1.1 WILKES CO UST
Pace Project No.: 9294182

Method: MADEP EPH
Description: MADEP EPH NC Soil
Client: NCDOT
Date: May 26, 2011

Analyte Comments:

QC Batch: OEXT/13613

N2: The lab does not hold NELAC accreditation for this parameter.

- LCSD (Lab ID: 607169)
 - Aliphatic (C09-C18)
 - Aliphatic (C19-C36)
 - Aromatic (C11-C22)
- P-128-UST-3 (5) (Lab ID: 9294182001)
 - Aliphatic (C09-C18)
 - Aliphatic (C19-C36)
 - Aromatic (C11-C22)

REPORT OF LABORATORY ANALYSIS

Page 6 of 32

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

PROJECT NARRATIVE

Project: 35579.1.1 WILKES CO UST
Pace Project No.: 9294182

Method: MADEP VPH
Description: VPH NC Soil
Client: NCDOT
Date: May 26, 2011

General Information:

1 sample was analyzed for MADEP VPH. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with MADEP VPH with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: GCV/5024

1g: Surrogate fails after Moisture Correction for Methanol.

- P-128-UST-3 (5) (Lab ID: 9294182001)
 - 2,5-Dibromotoluene (PID)(S)
 - 2,5-Dibromotoluene (FID)(S)

REPORT OF LABORATORY ANALYSIS

Page 7 of 32

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



PROJECT NARRATIVE

Project: 35579.1.1 WILKES CO UST
Pace Project No.: 9294182

Method: MADEP VPH
Description: VPH NC Soil
Client: NCDOT
Date: May 26, 2011

Analyte Comments:

QC Batch: GCV/5024

N2: The lab does not hold NELAC accreditation for this parameter.

- BLANK (Lab ID: 609850)
 - Aliphatic (C05-C08)
 - Aliphatic (C09-C12)
 - Aromatic (C09-C10)
- LCS (Lab ID: 609851)
 - Aliphatic (C05-C08)
 - Aliphatic (C09-C12)
 - Aromatic (C09-C10)
- LCSD (Lab ID: 609852)
 - Aliphatic (C05-C08)
 - Aliphatic (C09-C12)
 - Aromatic (C09-C10)
- P-128-UST-3 (5) (Lab ID: 9294182001)
 - Aliphatic (C05-C08)
 - Aliphatic (C09-C12)
 - Aromatic (C09-C10)

REPORT OF LABORATORY ANALYSIS

Page 8 of 32

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

PROJECT NARRATIVE

Project: 35579.1.1 WILKES CO UST
Pace Project No.: 9294182

Method: EPA 8270
Description: 8270 MSSV Microwave
Client: NCDOT
Date: May 26, 2011

General Information:

1 sample was analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

QC Batch: OEXT/13634

P3: Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.

- P-128-UST-3 (5) (Lab ID: 9294182001)

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: OEXT/13634

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 9294260002

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 608135)
 - 2,4-Dinitrophenol

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 608135)
 - 2,4-Dinitrophenol

REPORT OF LABORATORY ANALYSIS

Page 9 of 32

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



PROJECT NARRATIVE

Project: 35579.1.1 WILKES CO UST
Pace Project No.: 9294182

Method: EPA 8270
Description: 8270 MSSV Microwave
Client: NCDOT
Date: May 26, 2011

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

PROJECT NARRATIVE

Project: 35579.1.1 WILKES CO UST
Pace Project No.: 9294182

Method: EPA 8260
Description: 8260/5035A Volatile Organics
Client: NCDOT
Date: May 26, 2011

General Information:

1 sample was analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

ANALYTICAL RESULTS

Project: 35579.1.1 WILKES CO UST

Pace Project No.: 9294182

Sample: P-128-UST-3 (5) **Lab ID: 9294182001** Collected: 05/13/11 09:35 Received: 05/13/11 13:45 Matrix: Solid

Results reported on a "dry-weight" basis

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|------------------------------|---------|---|--------------|----|----------------|----------------|-----------|------|
| MADEP EPH NC Soil | | Analytical Method: MADEP EPH Preparation Method: MADEP EPH | | | | | | |
| Aliphatic (C09-C18) | 70.8 | mg/kg | 24.5 | 2 | 05/17/11 07:00 | 05/18/11 17:04 | | N2 |
| Aliphatic (C19-C36) | 95.9 | mg/kg | 24.5 | 2 | 05/17/11 07:00 | 05/18/11 17:04 | | N2 |
| Aromatic (C11-C22) | ND | mg/kg | 12.2 | 1 | 05/17/11 07:00 | 05/18/11 05:31 | | N2 |
| Nonatriacontane (S) | 79 | % | 40-140 | 2 | 05/17/11 07:00 | 05/18/11 17:04 | 7194-86-7 | |
| o-Terphenyl (S) | 93 | % | 40-140 | 1 | 05/17/11 07:00 | 05/18/11 05:31 | 84-15-1 | |
| 2-Fluorobiphenyl (S) | 97 | % | 40-140 | 1 | 05/17/11 07:00 | 05/18/11 05:31 | 321-60-8 | |
| 2-Bromonaphthalene (S) | 104 | % | 40-140 | 1 | 05/17/11 07:00 | 05/18/11 05:31 | 580-13-2 | |
| VPH NC Soil | | Analytical Method: MADEP VPH Preparation Method: MADEP VPH | | | | | | |
| Aliphatic (C05-C08) | ND | mg/kg | 1.8 | 1 | 05/22/11 15:54 | 05/22/11 18:48 | | N2 |
| Aliphatic (C09-C12) | ND | mg/kg | 1.8 | 1 | 05/22/11 15:54 | 05/22/11 18:48 | | N2 |
| Aromatic (C09-C10) | ND | mg/kg | 1.8 | 1 | 05/22/11 15:54 | 05/22/11 18:48 | | N2 |
| 2,5-Dibromotoluene (PID)(S) | 146 | % | 70-130 | 1 | 05/22/11 15:54 | 05/22/11 18:48 | | 1g |
| 2,5-Dibromotoluene (FID)(S) | 143 | % | 70-130 | 1 | 05/22/11 15:54 | 05/22/11 18:48 | | 1g |
| 8270 MSSV Microwave | | Analytical Method: EPA 8270 Preparation Method: EPA 3546 | | | | | | |
| Acenaphthene | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 83-32-9 | |
| Acenaphthylene | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 208-96-8 | |
| Aniline | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 62-53-3 | |
| Anthracene | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 120-12-7 | |
| Benzo(a)anthracene | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 56-55-3 | |
| Benzo(a)pyrene | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 50-32-8 | |
| Benzo(b)fluoranthene | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 205-99-2 | |
| Benzo(g,h,i)perylene | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 191-24-2 | |
| Benzo(k)fluoranthene | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 207-08-9 | |
| Benzoic Acid | ND | ug/kg | 10100 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 65-85-0 | |
| Benzyl alcohol | ND | ug/kg | 4040 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 100-51-6 | |
| 4-Bromophenylphenyl ether | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 101-55-3 | |
| Butylbenzylphthalate | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 85-68-7 | |
| 4-Chloro-3-methylphenol | ND | ug/kg | 4040 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 59-50-7 | |
| 4-Chloroaniline | ND | ug/kg | 10100 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 106-47-8 | |
| bis(2-Chloroethoxy)methane | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 111-91-1 | |
| bis(2-Chloroethyl) ether | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 111-44-4 | |
| bis(2-Chloroisopropyl) ether | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 108-60-1 | |
| 2-Chloronaphthalene | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 91-58-7 | |
| 2-Chlorophenol | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 95-57-8 | |
| 4-Chlorophenylphenyl ether | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 7005-72-3 | |
| Chrysene | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 218-01-9 | |
| Dibenz(a,h)anthracene | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 53-70-3 | |
| Dibenzofuran | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 132-64-9 | |
| 1,2-Dichlorobenzene | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 106-46-7 | |
| 3,3'-Dichlorobenzidine | ND | ug/kg | 10100 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 91-94-1 | |
| 2,4-Dichlorophenol | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 120-83-2 | |

ANALYTICAL RESULTS

Project: 35579.1.1 WILKES CO UST

Pace Project No.: 9294182

Sample: P-128-UST-3 (5) **Lab ID: 9294182001** Collected: 05/13/11 09:35 Received: 05/13/11 13:45 Matrix: Solid

Results reported on a "dry-weight" basis

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|------------------------------|---------|---|--------------|----|----------------|----------------|------------|------|
| 8270 MSSV Microwave | | Analytical Method: EPA 8270 Preparation Method: EPA 3546 | | | | | | |
| Diethylphthalate | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 84-66-2 | |
| 2,4-Dimethylphenol | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 105-67-9 | |
| Dimethylphthalate | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 131-11-3 | |
| Di-n-butylphthalate | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 84-74-2 | |
| 4,6-Dinitro-2-methylphenol | ND | ug/kg | 4040 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 534-52-1 | |
| 2,4-Dinitrophenol | ND | ug/kg | 10100 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 51-28-5 | |
| 2,4-Dinitrotoluene | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 121-14-2 | |
| 2,6-Dinitrotoluene | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 606-20-2 | |
| Di-n-octylphthalate | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 117-84-0 | |
| bis(2-Ethylhexyl)phthalate | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 117-81-7 | |
| Fluoranthene | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 206-44-0 | |
| Fluorene | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 86-73-7 | |
| Hexachloro-1,3-butadiene | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 87-68-3 | |
| Hexachlorobenzene | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 118-74-1 | |
| Hexachlorocyclopentadiene | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 77-47-4 | |
| Hexachloroethane | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 67-72-1 | |
| Indeno(1,2,3-cd)pyrene | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 193-39-5 | |
| Isophorone | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 78-59-1 | |
| 1-Methylnaphthalene | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 90-12-0 | |
| 2-Methylnaphthalene | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 91-57-6 | |
| 2-Methylphenol(o-Cresol) | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 95-48-7 | |
| 3&4-Methylphenol(m&p Cresol) | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | | |
| Naphthalene | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 91-20-3 | |
| 2-Nitroaniline | ND | ug/kg | 10100 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 88-74-4 | |
| 3-Nitroaniline | ND | ug/kg | 10100 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 99-09-2 | |
| 4-Nitroaniline | ND | ug/kg | 4040 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 100-01-6 | |
| Nitrobenzene | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 98-95-3 | |
| 2-Nitrophenol | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 88-75-5 | |
| 4-Nitrophenol | ND | ug/kg | 10100 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 100-02-7 | |
| N-Nitrosodimethylamine | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 62-75-9 | |
| N-Nitroso-di-n-propylamine | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 621-64-7 | |
| N-Nitrosodiphenylamine | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 86-30-6 | |
| Pentachlorophenol | ND | ug/kg | 10100 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 87-86-5 | |
| Phenanthrene | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 85-01-8 | |
| Phenol | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 108-95-2 | P3 |
| Pyrene | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 129-00-0 | |
| 1,2,4-Trichlorobenzene | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 120-82-1 | |
| 2,4,5-Trichlorophenol | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 95-95-4 | |
| 2,4,6-Trichlorophenol | ND | ug/kg | 2020 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 88-06-2 | |
| Nitrobenzene-d5 (S) | 61 % | | 23-110 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 70 % | | 30-110 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 321-60-8 | |
| Terphenyl-d14 (S) | 68 % | | 28-110 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 1718-51-0 | |
| Phenol-d6 (S) | 56 % | | 22-110 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 13127-88-3 | |
| 2-Fluorophenol (S) | 57 % | | 13-110 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 367-12-4 | |
| 2,4,6-Tribromophenol (S) | 58 % | | 27-110 | 1 | 05/18/11 14:30 | 05/25/11 18:20 | 118-79-6 | |

ANALYTICAL RESULTS

Project: 35579.1.1 WILKES CO UST

Pace Project No.: 9294182

Sample: P-128-UST-3 (5) **Lab ID: 9294182001** Collected: 05/13/11 09:35 Received: 05/13/11 13:45 Matrix: Solid

Results reported on a "dry-weight" basis

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|-------------------------------------|---------|-----------------------------|--------------|----|----------|----------------|------------|------|
| 8260/5035A Volatile Organics | | Analytical Method: EPA 8260 | | | | | | |
| Acetone | ND | ug/kg | 105 | 1 | | 05/19/11 16:40 | 67-64-1 | |
| Benzene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 71-43-2 | |
| Bromobenzene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 108-86-1 | |
| Bromochloromethane | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 74-97-5 | |
| Bromodichloromethane | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 75-27-4 | |
| Bromoform | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 75-25-2 | |
| Bromomethane | ND | ug/kg | 10.5 | 1 | | 05/19/11 16:40 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/kg | 105 | 1 | | 05/19/11 16:40 | 78-93-3 | |
| n-Butylbenzene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 56-23-5 | |
| Chlorobenzene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 108-90-7 | |
| Chloroethane | ND | ug/kg | 10.5 | 1 | | 05/19/11 16:40 | 75-00-3 | |
| Chloroform | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 67-66-3 | |
| Chloromethane | ND | ug/kg | 10.5 | 1 | | 05/19/11 16:40 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 96-12-8 | |
| Dibromochloromethane | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 106-93-4 | |
| Dibromomethane | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/kg | 10.5 | 1 | | 05/19/11 16:40 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 10061-02-6 | |
| Diisopropyl ether | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 108-20-3 | |
| Ethylbenzene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 87-68-3 | |
| 2-Hexanone | ND | ug/kg | 52.5 | 1 | | 05/19/11 16:40 | 591-78-6 | |
| Isopropylbenzene (Cumene) | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 99-87-6 | |
| Methylene Chloride | ND | ug/kg | 21.0 | 1 | | 05/19/11 16:40 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/kg | 52.5 | 1 | | 05/19/11 16:40 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 1634-04-4 | |

Date: 05/26/2011 02:15 PM

REPORT OF LABORATORY ANALYSIS

Page 14 of 32

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



ANALYTICAL RESULTS

Project: 35579.1.1 WILKES CO UST

Pace Project No.: 9294182

Sample: P-128-UST-3 (5) **Lab ID: 9294182001** Collected: 05/13/11 09:35 Received: 05/13/11 13:45 Matrix: Solid

Results reported on a "dry-weight" basis

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|-------------------------------------|---------------|----------------------------------|--------------|----|----------|----------------|-------------|------|
| 8260/5035A Volatile Organics | | Analytical Method: EPA 8260 | | | | | | |
| Naphthalene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 91-20-3 | |
| n-Propylbenzene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 103-65-1 | |
| Styrene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 630-20-6 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 79-34-5 | |
| Tetrachloroethene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 127-18-4 | |
| Toluene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 79-00-5 | |
| Trichloroethene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 108-67-8 | |
| Vinyl acetate | ND | ug/kg | 52.5 | 1 | | 05/19/11 16:40 | 108-05-4 | |
| Vinyl chloride | ND | ug/kg | 10.5 | 1 | | 05/19/11 16:40 | 75-01-4 | |
| Xylene (Total) | ND | ug/kg | 10.5 | 1 | | 05/19/11 16:40 | 1330-20-7 | |
| m&p-Xylene | ND | ug/kg | 10.5 | 1 | | 05/19/11 16:40 | 179601-23-1 | |
| o-Xylene | ND | ug/kg | 5.3 | 1 | | 05/19/11 16:40 | 95-47-6 | |
| Dibromofluoromethane (S) | 82 % | | 70-130 | 1 | | 05/19/11 16:40 | 1868-53-7 | |
| Toluene-d8 (S) | 95 % | | 70-130 | 1 | | 05/19/11 16:40 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 92 % | | 70-130 | 1 | | 05/19/11 16:40 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 73 % | | 70-132 | 1 | | 05/19/11 16:40 | 17060-07-0 | |
| Percent Moisture | | Analytical Method: ASTM D2974-87 | | | | | | |
| Percent Moisture | 18.3 % | | 0.10 | 1 | | 05/17/11 08:19 | | |

QUALITY CONTROL DATA

Project: 35579.1.1 WILKES CO UST
Pace Project No.: 9294182

QC Batch: OEXT/13613 Analysis Method: MADEP EPH
QC Batch Method: MADEP EPH Analysis Description: MADEP EPH NC Soil
Associated Lab Samples: 9294182001

METHOD BLANK: 607167 Matrix: Solid
Associated Lab Samples: 9294182001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|------------------------|-------|--------------|-----------------|----------------|------------|
| Aliphatic (C09-C18) | mg/kg | ND | 10.0 | 05/17/11 16:14 | N2 |
| Aliphatic (C19-C36) | mg/kg | ND | 10.0 | 05/17/11 16:14 | N2 |
| Aromatic (C11-C22) | mg/kg | ND | 10.0 | 05/17/11 16:14 | N2 |
| 2-Bromonaphthalene (S) | % | 113 | 40-140 | 05/17/11 16:14 | |
| 2-Fluorobiphenyl (S) | % | 108 | 40-140 | 05/17/11 16:14 | |
| Nonatriacontane (S) | % | 66 | 40-140 | 05/17/11 16:14 | |
| o-Terphenyl (S) | % | 96 | 40-140 | 05/17/11 16:14 | |

| Parameter | Units | LABORATORY CONTROL SAMPLE & LCSD: 607168 607169 | | | | | | | RPD | Max RPD | Qualifiers |
|------------------------|-------|--|------------|-------------|-----------|------------|--------------|----|-----|---------|------------|
| | | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | | | | |
| Aliphatic (C09-C18) | mg/kg | 10 | ND | ND | 73 | 74 | 40-140 | | 50 | N2 | |
| Aliphatic (C19-C36) | mg/kg | 13.3 | 10.2 | 10.9 | 76 | 81 | 40-140 | 7 | 50 | N2 | |
| Aromatic (C11-C22) | mg/kg | 28.3 | 19.8 | 22.1 | 70 | 78 | 40-140 | 11 | 50 | N2 | |
| 2-Bromonaphthalene (S) | % | | | | 74 | 83 | 40-140 | | | | |
| 2-Fluorobiphenyl (S) | % | | | | 70 | 82 | 40-140 | | | | |
| Nonatriacontane (S) | % | | | | 79 | 85 | 40-140 | | | | |
| o-Terphenyl (S) | % | | | | 63 | 75 | 40-140 | | | | |

QUALITY CONTROL DATA

Project: 35579.1.1 WILKES CO UST
Pace Project No.: 9294182

QC Batch: GCV/5024 Analysis Method: MADEP VPH
QC Batch Method: MADEP VPH Analysis Description: VPH NC Soil
Associated Lab Samples: 9294182001

METHOD BLANK: 609850 Matrix: Solid

Associated Lab Samples: 9294182001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------------------------|-------|--------------|-----------------|----------------|------------|
| Aliphatic (C05-C08) | mg/kg | ND | 1.5 | 05/22/11 15:47 | N2 |
| Aliphatic (C09-C12) | mg/kg | ND | 1.5 | 05/22/11 15:47 | N2 |
| Aromatic (C09-C10) | mg/kg | ND | 1.5 | 05/22/11 15:47 | N2 |
| 2,5-Dibromotoluene (FID)(S) | % | 126 | 70-130 | 05/22/11 15:47 | |
| 2,5-Dibromotoluene (PID)(S) | % | 129 | 70-130 | 05/22/11 15:47 | |

LABORATORY CONTROL SAMPLE & LCSD: 609851 609852

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|-----------------------------|-------|-------------|------------|-------------|-----------|------------|--------------|-----|---------|------------|
| Aliphatic (C05-C08) | mg/kg | 15 | 13.8 | 12.6 | 92 | 84 | 70-130 | 9 | 25 | N2 |
| Aliphatic (C09-C12) | mg/kg | 15 | 16.6 | 18.0 | 111 | 120 | 30-130 | 8 | 25 | N2 |
| Aromatic (C09-C10) | mg/kg | 5 | 5.1 | 4.9 | 101 | 99 | 70-130 | 2 | 25 | N2 |
| 2,5-Dibromotoluene (FID)(S) | % | | | | 126 | 125 | 70-130 | | | |
| 2,5-Dibromotoluene (PID)(S) | % | | | | 128 | 126 | 70-130 | | | |

QUALITY CONTROL DATA

Project: 35579.1.1 WILKES CO UST
Pace Project No.: 9294182

QC Batch: OEXT/13634 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 9294182001

METHOD BLANK: 608133 Matrix: Solid
Associated Lab Samples: 9294182001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|------------------------------|-------|--------------|-----------------|----------------|------------|
| 1,2,4-Trichlorobenzene | ug/kg | ND | 330 | 05/20/11 15:46 | |
| 1,2-Dichlorobenzene | ug/kg | ND | 330 | 05/20/11 15:46 | |
| 1,3-Dichlorobenzene | ug/kg | ND | 330 | 05/20/11 15:46 | |
| 1,4-Dichlorobenzene | ug/kg | ND | 330 | 05/20/11 15:46 | |
| 1-Methylnaphthalene | ug/kg | ND | 330 | 05/20/11 15:46 | |
| 2,4,5-Trichlorophenol | ug/kg | ND | 330 | 05/20/11 15:46 | |
| 2,4,6-Trichlorophenol | ug/kg | ND | 330 | 05/20/11 15:46 | |
| 2,4-Dichlorophenol | ug/kg | ND | 330 | 05/20/11 15:46 | |
| 2,4-Dimethylphenol | ug/kg | ND | 330 | 05/20/11 15:46 | |
| 2,4-Dinitrophenol | ug/kg | ND | 1650 | 05/20/11 15:46 | |
| 2,4-Dinitrotoluene | ug/kg | ND | 330 | 05/20/11 15:46 | |
| 2,6-Dinitrotoluene | ug/kg | ND | 330 | 05/20/11 15:46 | |
| 2-Chloronaphthalene | ug/kg | ND | 330 | 05/20/11 15:46 | |
| 2-Chlorophenol | ug/kg | ND | 330 | 05/20/11 15:46 | |
| 2-Methylnaphthalene | ug/kg | ND | 330 | 05/20/11 15:46 | |
| 2-Methylphenol(o-Cresol) | ug/kg | ND | 330 | 05/20/11 15:46 | |
| 2-Nitroaniline | ug/kg | ND | 1650 | 05/20/11 15:46 | |
| 2-Nitrophenol | ug/kg | ND | 330 | 05/20/11 15:46 | |
| 3&4-Methylphenol(m&p Cresol) | ug/kg | ND | 330 | 05/20/11 15:46 | |
| 3,3'-Dichlorobenzidine | ug/kg | ND | 1650 | 05/20/11 15:46 | |
| 3-Nitroaniline | ug/kg | ND | 1650 | 05/20/11 15:46 | |
| 4,6-Dinitro-2-methylphenol | ug/kg | ND | 660 | 05/20/11 15:46 | |
| 4-Bromophenylphenyl ether | ug/kg | ND | 330 | 05/20/11 15:46 | |
| 4-Chloro-3-methylphenol | ug/kg | ND | 660 | 05/20/11 15:46 | |
| 4-Chloroaniline | ug/kg | ND | 1650 | 05/20/11 15:46 | |
| 4-Chlorophenylphenyl ether | ug/kg | ND | 330 | 05/20/11 15:46 | |
| 4-Nitroaniline | ug/kg | ND | 660 | 05/20/11 15:46 | |
| 4-Nitrophenol | ug/kg | ND | 1650 | 05/20/11 15:46 | |
| Acenaphthene | ug/kg | ND | 330 | 05/20/11 15:46 | |
| Acenaphthylene | ug/kg | ND | 330 | 05/20/11 15:46 | |
| Aniline | ug/kg | ND | 330 | 05/20/11 15:46 | |
| Anthracene | ug/kg | ND | 330 | 05/20/11 15:46 | |
| Benzo(a)anthracene | ug/kg | ND | 330 | 05/20/11 15:46 | |
| Benzo(a)pyrene | ug/kg | ND | 330 | 05/20/11 15:46 | |
| Benzo(b)fluoranthene | ug/kg | ND | 330 | 05/20/11 15:46 | |
| Benzo(g,h,i)perylene | ug/kg | ND | 330 | 05/20/11 15:46 | |
| Benzo(k)fluoranthene | ug/kg | ND | 330 | 05/20/11 15:46 | |
| Benzoic Acid | ug/kg | ND | 1650 | 05/20/11 15:46 | |
| Benzyl alcohol | ug/kg | ND | 660 | 05/20/11 15:46 | |
| bis(2-Chloroethoxy)methane | ug/kg | ND | 330 | 05/20/11 15:46 | |
| bis(2-Chloroethyl) ether | ug/kg | ND | 330 | 05/20/11 15:46 | |
| bis(2-Chloroisopropyl) ether | ug/kg | ND | 330 | 05/20/11 15:46 | |
| bis(2-Ethylhexyl)phthalate | ug/kg | ND | 330 | 05/20/11 15:46 | |

Date: 05/26/2011 02:15 PM

REPORT OF LABORATORY ANALYSIS

Page 18 of 32

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



QUALITY CONTROL DATA

Project: 35579.1.1 WILKES CO UST

Pace Project No.: 9294182

METHOD BLANK: 608133

Matrix: Solid

Associated Lab Samples: 9294182001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|----------------------------|-------|--------------|-----------------|----------------|------------|
| Butylbenzylphthalate | ug/kg | ND | 330 | 05/20/11 15:46 | |
| Chrysene | ug/kg | ND | 330 | 05/20/11 15:46 | |
| Di-n-butylphthalate | ug/kg | ND | 330 | 05/20/11 15:46 | |
| Di-n-octylphthalate | ug/kg | ND | 330 | 05/20/11 15:46 | |
| Dibenz(a,h)anthracene | ug/kg | ND | 330 | 05/20/11 15:46 | |
| Dibenzofuran | ug/kg | ND | 330 | 05/20/11 15:46 | |
| Diethylphthalate | ug/kg | ND | 330 | 05/20/11 15:46 | |
| Dimethylphthalate | ug/kg | ND | 330 | 05/20/11 15:46 | |
| Fluoranthene | ug/kg | ND | 330 | 05/20/11 15:46 | |
| Fluorene | ug/kg | ND | 330 | 05/20/11 15:46 | |
| Hexachloro-1,3-butadiene | ug/kg | ND | 330 | 05/20/11 15:46 | |
| Hexachlorobenzene | ug/kg | ND | 330 | 05/20/11 15:46 | |
| Hexachlorocyclopentadiene | ug/kg | ND | 330 | 05/20/11 15:46 | |
| Hexachloroethane | ug/kg | ND | 330 | 05/20/11 15:46 | |
| Indeno(1,2,3-cd)pyrene | ug/kg | ND | 330 | 05/20/11 15:46 | |
| Isophorone | ug/kg | ND | 330 | 05/20/11 15:46 | |
| N-Nitroso-di-n-propylamine | ug/kg | ND | 330 | 05/20/11 15:46 | |
| N-Nitrosodimethylamine | ug/kg | ND | 330 | 05/20/11 15:46 | |
| N-Nitrosodiphenylamine | ug/kg | ND | 330 | 05/20/11 15:46 | |
| Naphthalene | ug/kg | ND | 330 | 05/20/11 15:46 | |
| Nitrobenzene | ug/kg | ND | 330 | 05/20/11 15:46 | |
| Pentachlorophenol | ug/kg | ND | 1650 | 05/20/11 15:46 | |
| Phenanthrene | ug/kg | ND | 330 | 05/20/11 15:46 | |
| Phenol | ug/kg | ND | 330 | 05/20/11 15:46 | |
| Pyrene | ug/kg | ND | 330 | 05/20/11 15:46 | |
| 2,4,6-Tribromophenol (S) | % | 64 | 27-110 | 05/20/11 15:46 | |
| 2-Fluorobiphenyl (S) | % | 62 | 30-110 | 05/20/11 15:46 | |
| 2-Fluorophenol (S) | % | 62 | 13-110 | 05/20/11 15:46 | |
| Nitrobenzene-d5 (S) | % | 55 | 23-110 | 05/20/11 15:46 | |
| Phenol-d6 (S) | % | 63 | 22-110 | 05/20/11 15:46 | |
| Terphenyl-d14 (S) | % | 72 | 28-110 | 05/20/11 15:46 | |

LABORATORY CONTROL SAMPLE: 608134

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,2,4-Trichlorobenzene | ug/kg | 1670 | 1220 | 73 | 39-101 | |
| 1,2-Dichlorobenzene | ug/kg | 1670 | 1210 | 73 | 36-110 | |
| 1,3-Dichlorobenzene | ug/kg | 1670 | 1200 | 72 | 35-110 | |
| 1,4-Dichlorobenzene | ug/kg | 1670 | 1190 | 72 | 35-110 | |
| 1-Methylnaphthalene | ug/kg | 1670 | 1220 | 73 | 45-105 | |
| 2,4,5-Trichlorophenol | ug/kg | 1670 | 1310 | 78 | 48-109 | |
| 2,4,6-Trichlorophenol | ug/kg | 1670 | 1430 | 86 | 45-111 | |
| 2,4-Dichlorophenol | ug/kg | 1670 | 1290 | 77 | 51-116 | |
| 2,4-Dimethylphenol | ug/kg | 1670 | 1360 | 82 | 42-103 | |
| 2,4-Dinitrophenol | ug/kg | 8330 | 5120 | 61 | 28-103 | |

Date: 05/26/2011 02:15 PM

REPORT OF LABORATORY ANALYSIS

Page 19 of 32

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



QUALITY CONTROL DATA

Project: 35579.1.1 WILKES CO UST

Pace Project No.: 9294182

LABORATORY CONTROL SAMPLE: 608134

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------------------------|-------|-------------|------------|-----------|--------------|------------|
| 2,4-Dinitrotoluene | ug/kg | 1670 | 1260 | 76 | 46-114 | |
| 2,6-Dinitrotoluene | ug/kg | 1670 | 1230 | 74 | 48-112 | |
| 2-Chloronaphthalene | ug/kg | 1670 | 1300 | 78 | 44-105 | |
| 2-Chlorophenol | ug/kg | 1670 | 1300 | 78 | 36-110 | |
| 2-Methylnaphthalene | ug/kg | 1670 | 1160 | 69 | 39-112 | |
| 2-Methylphenol(o-Cresol) | ug/kg | 1670 | 1240 | 75 | 39-101 | |
| 2-Nitroaniline | ug/kg | 3330 | 2560 | 77 | 44-111 | |
| 2-Nitrophenol | ug/kg | 1670 | 1250 | 75 | 41-100 | |
| 3&4-Methylphenol(m&p Cresol) | ug/kg | 1670 | 1260 | 75 | 43-103 | |
| 3,3'-Dichlorobenzidine | ug/kg | 3330 | 2450 | 74 | 10-150 | |
| 3-Nitroaniline | ug/kg | 3330 | 2210 | 66 | 35-110 | |
| 4,6-Dinitro-2-methylphenol | ug/kg | 3330 | 2480 | 74 | 38-118 | |
| 4-Bromophenylphenyl ether | ug/kg | 1670 | 1290 | 77 | 47-115 | |
| 4-Chloro-3-methylphenol | ug/kg | 3330 | 2520 | 76 | 43-127 | |
| 4-Chloroaniline | ug/kg | 3330 | 2050 | 62 | 34-109 | |
| 4-Chlorophenylphenyl ether | ug/kg | 1670 | 1280 | 77 | 44-115 | |
| 4-Nitroaniline | ug/kg | 3330 | 2460 | 74 | 37-111 | |
| 4-Nitrophenol | ug/kg | 8330 | 6560 | 79 | 21-152 | |
| Acenaphthene | ug/kg | 1670 | 1430 | 86 | 38-117 | |
| Acenaphthylene | ug/kg | 1670 | 1370 | 82 | 46-107 | |
| Aniline | ug/kg | 1670 | 1150 | 69 | 29-110 | |
| Anthracene | ug/kg | 1670 | 1430 | 86 | 50-110 | |
| Benzo(a)anthracene | ug/kg | 1670 | 1400 | 84 | 47-116 | |
| Benzo(a)pyrene | ug/kg | 1670 | 1240 | 74 | 47-106 | |
| Benzo(b)fluoranthene | ug/kg | 1670 | 1270 | 76 | 47-109 | |
| Benzo(g,h,i)perylene | ug/kg | 1670 | 1390 | 83 | 39-115 | |
| Benzo(k)fluoranthene | ug/kg | 1670 | 1250 | 75 | 45-117 | |
| Benzoic Acid | ug/kg | 8330 | 4350 | 52 | 16-110 | |
| Benzyl alcohol | ug/kg | 3330 | 2600 | 78 | 38-105 | |
| bis(2-Chloroethoxy)methane | ug/kg | 1670 | 1160 | 69 | 39-110 | |
| bis(2-Chloroethyl) ether | ug/kg | 1670 | 1230 | 74 | 19-119 | |
| bis(2-Chloroisopropyl) ether | ug/kg | 1670 | 1140 | 68 | 21-110 | |
| bis(2-Ethylhexyl)phthalate | ug/kg | 1670 | 1430 | 86 | 35-116 | |
| Butylbenzylphthalate | ug/kg | 1670 | 1380 | 83 | 38-110 | |
| Chrysene | ug/kg | 1670 | 1370 | 82 | 49-110 | |
| Di-n-butylphthalate | ug/kg | 1670 | 1320 | 79 | 43-109 | |
| Di-n-octylphthalate | ug/kg | 1670 | 1460 | 88 | 37-109 | |
| Dibenz(a,h)anthracene | ug/kg | 1670 | 1320 | 79 | 43-116 | |
| Dibenzofuran | ug/kg | 1670 | 1350 | 81 | 45-106 | |
| Diethylphthalate | ug/kg | 1670 | 1190 | 71 | 41-114 | |
| Dimethylphthalate | ug/kg | 1670 | 1200 | 72 | 43-110 | |
| Fluoranthene | ug/kg | 1670 | 1420 | 85 | 50-114 | |
| Fluorene | ug/kg | 1670 | 1340 | 80 | 46-114 | |
| Hexachloro-1,3-butadiene | ug/kg | 1670 | 1230 | 74 | 28-111 | |
| Hexachlorobenzene | ug/kg | 1670 | 1350 | 81 | 46-120 | |
| Hexachlorocyclopentadiene | ug/kg | 1670 | 1290 | 77 | 18-119 | |
| Hexachloroethane | ug/kg | 1670 | 1170 | 70 | 33-110 | |
| Indeno(1,2,3-cd)pyrene | ug/kg | 1670 | 1340 | 81 | 42-115 | |

Date: 05/26/2011 02:15 PM

REPORT OF LABORATORY ANALYSIS

Page 20 of 32

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



QUALITY CONTROL DATA

Project: 35579.1.1 WILKES CO UST

Pace Project No.: 9294182

LABORATORY CONTROL SAMPLE: 608134

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Isophorone | ug/kg | 1670 | 1220 | 73 | 44-109 | |
| N-Nitroso-di-n-propylamine | ug/kg | 1670 | 1100 | 66 | 43-104 | |
| N-Nitrosodimethylamine | ug/kg | 1670 | 1220 | 73 | 29-110 | |
| N-Nitrosodiphenylamine | ug/kg | 1670 | 1350 | 81 | 48-113 | |
| Naphthalene | ug/kg | 1670 | 1270 | 76 | 41-110 | |
| Nitrobenzene | ug/kg | 1670 | 1180 | 71 | 38-110 | |
| Pentachlorophenol | ug/kg | 3330 | 2860 | 86 | 32-128 | |
| Phenanthrene | ug/kg | 1670 | 1350 | 81 | 50-110 | |
| Phenol | ug/kg | 1670 | 1420 | 85 | 28-106 | |
| Pyrene | ug/kg | 1670 | 1380 | 83 | 45-114 | |
| 2,4,6-Tribromophenol (S) | % | | | 79 | 27-110 | |
| 2-Fluorobiphenyl (S) | % | | | 77 | 30-110 | |
| 2-Fluorophenol (S) | % | | | 74 | 13-110 | |
| Nitrobenzene-d5 (S) | % | | | 70 | 23-110 | |
| Phenol-d6 (S) | % | | | 71 | 22-110 | |
| Terphenyl-d14 (S) | % | | | 80 | 28-110 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 608135 608136

| Parameter | Units | 9294260002 | | MS | MSD | MS | MSD | MS | MSD | % Rec | RPD | Qual |
|------------------------------|-------|------------|-------|-------------|-------------|--------|--------|-------|--------|--------|--------|------|
| | | Result | Conc. | Spike Conc. | Spike Conc. | Result | Result | % Rec | % Rec | Limits | | |
| 1,2,4-Trichlorobenzene | ug/kg | ND | 1920 | 1920 | 1210 | 1180 | 63 | 62 | 18-119 | 2 | | |
| 1,2-Dichlorobenzene | ug/kg | ND | 1920 | 1920 | 1220 | 1130 | 64 | 59 | 50-110 | 8 | | |
| 1,3-Dichlorobenzene | ug/kg | ND | 1920 | 1920 | 1210 | 1130 | 63 | 59 | 27-110 | 7 | | |
| 1,4-Dichlorobenzene | ug/kg | ND | 1920 | 1920 | 1210 | 1140 | 63 | 59 | 28-110 | 6 | | |
| 1-Methylnaphthalene | ug/kg | ND | 1920 | 1920 | 1190 | 1180 | 62 | 62 | 24-116 | 1 | | |
| 2,4,5-Trichlorophenol | ug/kg | ND | 1920 | 1920 | 1220 | 1190 | 63 | 62 | 28-110 | 2 | | |
| 2,4,6-Trichlorophenol | ug/kg | ND | 1920 | 1920 | 1280 | 1270 | 67 | 66 | 17-117 | 1 | | |
| 2,4-Dichlorophenol | ug/kg | ND | 1920 | 1920 | 1200 | 1210 | 63 | 63 | 21-128 | 1 | | |
| 2,4-Dimethylphenol | ug/kg | ND | 1920 | 1920 | 881 | 956 | 46 | 50 | 10-120 | 8 | | |
| 2,4-Dinitrophenol | ug/kg | ND | 9600 | 9600 | 638J | 1190J | 7 | 12 | 10-107 | | M0, M1 | |
| 2,4-Dinitrotoluene | ug/kg | ND | 1920 | 1920 | 1150 | 1180 | 60 | 61 | 36-109 | 3 | | |
| 2,6-Dinitrotoluene | ug/kg | ND | 1920 | 1920 | 1190 | 1150 | 62 | 60 | 32-110 | 3 | | |
| 2-Chloronaphthalene | ug/kg | ND | 1920 | 1920 | 1290 | 1270 | 67 | 66 | 30-107 | 2 | | |
| 2-Chlorophenol | ug/kg | ND | 1920 | 1920 | 1140 | 1080 | 59 | 56 | 14-106 | 5 | | |
| 2-Methylnaphthalene | ug/kg | ND | 1920 | 1920 | 1130 | 1110 | 59 | 58 | 10-135 | 2 | | |
| 2-Methylphenol(o-Cresol) | ug/kg | ND | 1920 | 1920 | 983 | 974 | 51 | 51 | 10-124 | 1 | | |
| 2-Nitroaniline | ug/kg | ND | 3840 | 3840 | 2460 | 2450 | 64 | 64 | 26-116 | 0 | | |
| 2-Nitrophenol | ug/kg | ND | 1920 | 1920 | 1110 | 1130 | 58 | 59 | 28-103 | 2 | | |
| 3&4-Methylphenol(m&p Cresol) | ug/kg | ND | 1920 | 1920 | 986 | 973 | 51 | 51 | 10-109 | 1 | | |
| 3,3'-Dichlorobenzidine | ug/kg | ND | 3840 | 3840 | 1610J | 1700J | 42 | 44 | 10-150 | | | |
| 3-Nitroaniline | ug/kg | ND | 3840 | 3840 | 1870J | 1980 | 49 | 51 | 22-110 | | | |
| 4,6-Dinitro-2-methylphenol | ug/kg | ND | 3840 | 3840 | 1300 | 1430 | 34 | 37 | 13-121 | 9 | | |
| 4-Bromophenylphenyl ether | ug/kg | ND | 1920 | 1920 | 1250 | 1130 | 65 | 59 | 31-109 | 9 | | |
| 4-Chloro-3-methylphenol | ug/kg | ND | 3840 | 3840 | 2270 | 2330 | 59 | 61 | 13-128 | 3 | | |
| 4-Chloroaniline | ug/kg | ND | 3840 | 3840 | 1830J | 1870J | 48 | 49 | 18-102 | | | |

Date: 05/26/2011 02:15 PM

REPORT OF LABORATORY ANALYSIS

Page 21 of 32

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc..



QUALITY CONTROL DATA

Project: 35579.1.1 WILKES CO UST

Pace Project No.: 9294182

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 608135 608136 | | | | | | | | | | | | |
|--|-------|----------------------|----------------|----------------|--------|--------|-------|-------|--------|--------|-----|------|
| Parameter | Units | 9294260002 Result | MS | MSD | MS | MSD | MS | MSD | % Rec | Limits | RPD | Qual |
| | | | Spike Conc. | Spike Conc. | Result | Result | % Rec | % Rec | | | | |
| 4-Chlorophenylphenyl ether | ug/kg | ND | 1920 | 1920 | 1250 | 1190 | 65 | 62 | 29-112 | 5 | | |
| 4-Nitroaniline | ug/kg | ND | 3840 | 3840 | 1790 | 1950 | 47 | 51 | 16-111 | 8 | | |
| 4-Nitrophenol | ug/kg | ND | 9600 | 9600 | 3660 | 4150 | 38 | 43 | 14-135 | 13 | | |
| Acenaphthene | ug/kg | ND | 1920 | 1920 | 1410 | 1380 | 73 | 72 | 26-114 | 2 | | |
| Acenaphthylene | ug/kg | ND | 1920 | 1920 | 1320 | 1300 | 69 | 67 | 32-108 | 2 | | |
| Aniline | ug/kg | | | | 484 | 448 | | | | 8 | | |
| Anthracene | ug/kg | ND | 1920 | 1920 | 1380 | 1350 | 72 | 70 | 32-111 | 2 | | |
| Benzo(a)anthracene | ug/kg | ND | 1920 | 1920 | 1170 | 1180 | 61 | 61 | 25-117 | 1 | | |
| Benzo(a)pyrene | ug/kg | ND | 1920 | 1920 | 1080 | 1060 | 56 | 55 | 25-106 | 2 | | |
| Benzo(b)fluoranthene | ug/kg | ND | 1920 | 1920 | 1070 | 1060 | 56 | 55 | 24-110 | 1 | | |
| Benzo(g,h,i)perylene | ug/kg | ND | 1920 | 1920 | 1190 | 1120 | 62 | 58 | 19-112 | 7 | | |
| Benzo(k)fluoranthene | ug/kg | ND | 1920 | 1920 | 1210 | 1200 | 63 | 62 | 24-114 | 1 | | |
| Benzoic Acid | ug/kg | ND | 9600 | 9600 | 1070J | 1320J | 11 | 14 | 10-110 | | | |
| Benzyl alcohol | ug/kg | ND | 3840 | 3840 | 2330 | 2210 | 61 | 58 | 24-106 | 5 | | |
| bis(2-Chloroethoxy)methane | ug/kg | ND | 1920 | 1920 | 1180 | 1160 | 62 | 60 | 13-119 | 2 | | |
| bis(2-Chloroethyl) ether | ug/kg | ND | 1920 | 1920 | 1200 | 1120 | 62 | 58 | 10-134 | 7 | | |
| bis(2-Chloroisopropyl) ether | ug/kg | ND | 1920 | 1920 | 1200 | 1120 | 63 | 58 | 10-113 | 7 | | |
| bis(2-Ethylhexyl)phthalate | ug/kg | ND | 1920 | 1920 | 1150 | 1170 | 60 | 61 | 10-125 | 2 | | |
| Butylbenzylphthalate | ug/kg | ND | 1920 | 1920 | 1180 | 1210 | 62 | 63 | 18-110 | 2 | | |
| Chrysene | ug/kg | ND | 1920 | 1920 | 1240 | 1260 | 64 | 65 | 30-110 | 2 | | |
| Di-n-butylphthalate | ug/kg | ND | 1920 | 1920 | 1190 | 1190 | 62 | 62 | 19-112 | 0 | | |
| Di-n-octylphthalate | ug/kg | ND | 1920 | 1920 | 903 | 892 | 47 | 46 | 17-105 | 1 | | |
| Dibenz(a,h)anthracene | ug/kg | ND | 1920 | 1920 | 1150 | 1070 | 60 | 56 | 23-111 | 7 | | |
| Dibenzofuran | ug/kg | ND | 1920 | 1920 | 1350 | 1290 | 70 | 67 | 35-103 | 4 | | |
| Diethylphthalate | ug/kg | ND | 1920 | 1920 | 1210 | 1160 | 63 | 60 | 27-113 | 4 | | |
| Dimethylphthalate | ug/kg | ND | 1920 | 1920 | 1220 | 1150 | 63 | 60 | 26-111 | 6 | | |
| Fluoranthene | ug/kg | ND | 1920 | 1920 | 1180 | 1170 | 61 | 61 | 33-109 | 0 | | |
| Fluorene | ug/kg | ND | 1920 | 1920 | 1350 | 1320 | 70 | 69 | 32-113 | 2 | | |
| Hexachloro-1,3-butadiene | ug/kg | ND | 1920 | 1920 | 1300 | 1220 | 67 | 63 | 16-116 | 6 | | |
| Hexachlorobenzene | ug/kg | ND | 1920 | 1920 | 1300 | 1230 | 68 | 64 | 27-120 | 6 | | |
| Hexachlorocyclopentadiene | ug/kg | ND | 1920 | 1920 | 1120 | 995 | 58 | 52 | 10-108 | 12 | | |
| Hexachloroethane | ug/kg | ND | 1920 | 1920 | 1200 | 1110 | 63 | 58 | 10-117 | 8 | | |
| Indeno(1,2,3-cd)pyrene | ug/kg | ND | 1920 | 1920 | 1140 | 1090 | 60 | 57 | 10-122 | 5 | | |
| Isophorone | ug/kg | ND | 1920 | 1920 | 1230 | 1240 | 64 | 64 | 28-114 | 0 | | |
| N-Nitroso-di-n-propylamine | ug/kg | ND | 1920 | 1920 | 1090 | 1040 | 57 | 54 | 27-113 | 5 | | |
| N-Nitrosodimethylamine | ug/kg | ND | 1920 | 1920 | 1180 | 1150 | 61 | 60 | 10-109 | 3 | | |
| N-Nitrosodiphenylamine | ug/kg | ND | 1920 | 1920 | 1350 | 1250 | 70 | 65 | 10-128 | 7 | | |
| Naphthalene | ug/kg | ND | 1920 | 1920 | 1240 | 1210 | 65 | 63 | 25-110 | 3 | | |
| Nitrobenzene | ug/kg | ND | 1920 | 1920 | 1220 | 1210 | 64 | 63 | 18-114 | 1 | | |
| Pentachlorophenol | ug/kg | ND | 3840 | 3840 | 1720J | 1650J | 45 | 43 | 10-122 | | | |
| Phenanthrene | ug/kg | ND | 1920 | 1920 | 1320 | 1290 | 69 | 67 | 30-114 | 3 | | |
| Phenol | ug/kg | ND | 1920 | 1920 | 1140 | 1090 | 59 | 57 | 11-102 | 4 | | |
| Pyrene | ug/kg | ND | 1920 | 1920 | 1470 | 1540 | 77 | 80 | 25-116 | 5 | | |
| 2,4,6-Tribromophenol (S) | % | | | | | | 59 | 56 | 27-110 | | | |
| 2-Fluorobiphenyl (S) | % | | | | | | 65 | 63 | 30-110 | | | |
| 2-Fluorophenol (S) | % | | | | | | 55 | 53 | 13-110 | | | |
| Nitrobenzene-d5 (S) | % | | | | | | 60 | 59 | 23-110 | | | |

Date: 05/26/2011 02:15 PM

REPORT OF LABORATORY ANALYSIS

Page 22 of 32

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



QUALITY CONTROL DATA

Project: 35579.1.1 WILKES CO UST
Pace Project No.: 9294182

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 608135 608136 | | | | | | | | | | | |
|--|-------|----------------------|----------------|----------------|--------------|---------------|-------------|--------------|-----------------|-----|------|
| Parameter | Units | 9294260002 Result | MS | MSD | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Qual |
| | | | Spike Conc. | Spike Conc. | | | | | | | |
| Phenol-d6 (S) | % | | | | | | 50 | 48 | 22-110 | | |
| Terphenyl-d14 (S) | % | | | | | | 70 | 71 | 28-110 | | |

QUALITY CONTROL DATA

Project: 35579.1.1 WILKES CO UST

Pace Project No.: 9294182

QC Batch: MSV/15331

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV 5035A Volatile Organics

Associated Lab Samples: 9294182001

METHOD BLANK: 608565

Matrix: Solid

Associated Lab Samples: 9294182001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| 1,1,1-Trichloroethane | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| 1,1,2,2-Tetrachloroethane | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| 1,1,2-Trichloroethane | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| 1,1-Dichloroethane | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| 1,1-Dichloroethene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| 1,1-Dichloropropene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| 1,2,3-Trichlorobenzene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| 1,2,3-Trichloropropane | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| 1,2,4-Trichlorobenzene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| 1,2,4-Trimethylbenzene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| 1,2-Dibromo-3-chloropropane | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| 1,2-Dibromoethane (EDB) | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| 1,2-Dichlorobenzene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| 1,2-Dichloroethane | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| 1,2-Dichloropropane | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| 1,3,5-Trimethylbenzene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| 1,3-Dichlorobenzene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| 1,3-Dichloropropane | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| 1,4-Dichlorobenzene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| 2,2-Dichloropropane | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| 2-Butanone (MEK) | ug/kg | ND | 100 | 05/19/11 13:21 | |
| 2-Chlorotoluene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| 2-Hexanone | ug/kg | ND | 50.0 | 05/19/11 13:21 | |
| 4-Chlorotoluene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| 4-Methyl-2-pentanone (MIBK) | ug/kg | ND | 50.0 | 05/19/11 13:21 | |
| Acetone | ug/kg | ND | 100 | 05/19/11 13:21 | |
| Benzene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| Bromobenzene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| Bromochloromethane | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| Bromodichloromethane | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| Bromoform | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| Bromomethane | ug/kg | ND | 10.0 | 05/19/11 13:21 | |
| Carbon tetrachloride | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| Chlorobenzene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| Chloroethane | ug/kg | ND | 10.0 | 05/19/11 13:21 | |
| Chloroform | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| Chloromethane | ug/kg | ND | 10.0 | 05/19/11 13:21 | |
| cis-1,2-Dichloroethene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| cis-1,3-Dichloropropene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| Dibromochloromethane | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| Dibromomethane | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| Dichlorodifluoromethane | ug/kg | ND | 10.0 | 05/19/11 13:21 | |

Date: 05/26/2011 02:15 PM

REPORT OF LABORATORY ANALYSIS

Page 24 of 32

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



QUALITY CONTROL DATA

Project: 35579.1.1 WILKES CO UST

Pace Project No.: 9294182

METHOD BLANK: 608565

Matrix: Solid

Associated Lab Samples: 9294182001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---------------------------|-------|--------------|-----------------|----------------|------------|
| Diisopropyl ether | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| Ethylbenzene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| Hexachloro-1,3-butadiene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| Isopropylbenzene (Cumene) | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| m&p-Xylene | ug/kg | ND | 10.0 | 05/19/11 13:21 | |
| Methyl-tert-butyl ether | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| Methylene Chloride | ug/kg | ND | 20.0 | 05/19/11 13:21 | |
| n-Butylbenzene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| n-Propylbenzene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| Naphthalene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| o-Xylene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| p-Isopropyltoluene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| sec-Butylbenzene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| Styrene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| tert-Butylbenzene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| Tetrachloroethene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| Toluene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| trans-1,2-Dichloroethene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| trans-1,3-Dichloropropene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| Trichloroethene | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| Trichlorofluoromethane | ug/kg | ND | 5.0 | 05/19/11 13:21 | |
| Vinyl acetate | ug/kg | ND | 50.0 | 05/19/11 13:21 | |
| Vinyl chloride | ug/kg | ND | 10.0 | 05/19/11 13:21 | |
| Xylene (Total) | ug/kg | ND | 10.0 | 05/19/11 13:21 | |
| 1,2-Dichloroethane-d4 (S) | % | 95 | 70-132 | 05/19/11 13:21 | |
| 4-Bromofluorobenzene (S) | % | 98 | 70-130 | 05/19/11 13:21 | |
| Dibromofluoromethane (S) | % | 101 | 70-130 | 05/19/11 13:21 | |
| Toluene-d8 (S) | % | 99 | 70-130 | 05/19/11 13:21 | |

LABORATORY CONTROL SAMPLE: 608566

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/kg | 50 | 48.0 | 96 | 70-131 | |
| 1,1,1-Trichloroethane | ug/kg | 50 | 46.2 | 92 | 70-141 | |
| 1,1,2,2-Tetrachloroethane | ug/kg | 50 | 45.9 | 92 | 70-130 | |
| 1,1,2-Trichloroethane | ug/kg | 50 | 47.4 | 95 | 70-132 | |
| 1,1-Dichloroethane | ug/kg | 50 | 44.4 | 89 | 70-143 | |
| 1,1-Dichloroethene | ug/kg | 50 | 42.4 | 85 | 70-137 | |
| 1,1-Dichloropropene | ug/kg | 50 | 42.9 | 86 | 70-135 | |
| 1,2,3-Trichlorobenzene | ug/kg | 50 | 47.9 | 96 | 69-153 | |
| 1,2,3-Trichloropropane | ug/kg | 50 | 42.9 | 86 | 70-130 | |
| 1,2,4-Trichlorobenzene | ug/kg | 50 | 47.8 | 96 | 55-171 | |
| 1,2,4-Trimethylbenzene | ug/kg | 50 | 47.1 | 94 | 70-149 | |
| 1,2-Dibromo-3-chloropropane | ug/kg | 50 | 42.8 | 86 | 68-141 | |
| 1,2-Dibromoethane (EDB) | ug/kg | 50 | 46.7 | 93 | 70-130 | |

Date: 05/26/2011 02:15 PM

REPORT OF LABORATORY ANALYSIS

Page 25 of 32

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



QUALITY CONTROL DATA

Project: 35579.1.1 WILKES CO UST

Pace Project No.: 9294182

LABORATORY CONTROL SAMPLE: 608566

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,2-Dichlorobenzene | ug/kg | 50 | 46.5 | 93 | 70-140 | |
| 1,2-Dichloroethane | ug/kg | 50 | 44.4 | 89 | 70-137 | |
| 1,2-Dichloropropane | ug/kg | 50 | 45.4 | 91 | 70-133 | |
| 1,3,5-Trimethylbenzene | ug/kg | 50 | 47.0 | 94 | 70-143 | |
| 1,3-Dichlorobenzene | ug/kg | 50 | 46.1 | 92 | 70-144 | |
| 1,3-Dichloropropane | ug/kg | 50 | 45.7 | 91 | 70-132 | |
| 1,4-Dichlorobenzene | ug/kg | 50 | 45.8 | 92 | 70-142 | |
| 2,2-Dichloropropane | ug/kg | 50 | 44.3 | 89 | 68-152 | |
| 2-Butanone (MEK) | ug/kg | 100 | 88J | 88 | 70-149 | |
| 2-Chlorotoluene | ug/kg | 50 | 47.8 | 96 | 70-141 | |
| 2-Hexanone | ug/kg | 100 | 82.9 | 83 | 70-149 | |
| 4-Chlorotoluene | ug/kg | 50 | 48.3 | 97 | 70-149 | |
| 4-Methyl-2-pentanone (MIBK) | ug/kg | 100 | 87.5 | 87 | 70-153 | |
| Acetone | ug/kg | 100 | 82.6J | 83 | 70-157 | |
| Benzene | ug/kg | 50 | 45.1 | 90 | 70-130 | |
| Bromobenzene | ug/kg | 50 | 44.5 | 89 | 70-141 | |
| Bromochloromethane | ug/kg | 50 | 45.3 | 91 | 70-149 | |
| Bromodichloromethane | ug/kg | 50 | 45.4 | 91 | 70-130 | |
| Bromoform | ug/kg | 50 | 47.4 | 95 | 70-131 | |
| Bromomethane | ug/kg | 50 | 52.3 | 105 | 64-136 | |
| Carbon tetrachloride | ug/kg | 50 | 47.4 | 95 | 70-154 | |
| Chlorobenzene | ug/kg | 50 | 46.2 | 92 | 70-135 | |
| Chloroethane | ug/kg | 50 | 45.8 | 92 | 68-151 | |
| Chloroform | ug/kg | 50 | 48.6 | 97 | 70-130 | |
| Chloromethane | ug/kg | 50 | 46.7 | 93 | 70-132 | |
| cis-1,2-Dichloroethene | ug/kg | 50 | 43.7 | 87 | 70-140 | |
| cis-1,3-Dichloropropene | ug/kg | 50 | 47.6 | 95 | 70-137 | |
| Dibromochloromethane | ug/kg | 50 | 45.3 | 91 | 70-130 | |
| Dibromomethane | ug/kg | 50 | 47.9 | 96 | 70-136 | |
| Dichlorodifluoromethane | ug/kg | 50 | 51.1 | 102 | 36-148 | |
| Diisopropyl ether | ug/kg | 50 | 44.3 | 89 | 70-139 | |
| Ethylbenzene | ug/kg | 50 | 47.6 | 95 | 70-137 | |
| Hexachloro-1,3-butadiene | ug/kg | 50 | 47.0 | 94 | 70-145 | |
| Isopropylbenzene (Cumene) | ug/kg | 50 | 48.0 | 96 | 70-141 | |
| m&p-Xylene | ug/kg | 100 | 95.4 | 95 | 70-140 | |
| Methyl-tert-butyl ether | ug/kg | 50 | 45.0 | 90 | 45-150 | |
| Methylene Chloride | ug/kg | 50 | 41.3 | 83 | 70-133 | |
| n-Butylbenzene | ug/kg | 50 | 48.2 | 96 | 65-155 | |
| n-Propylbenzene | ug/kg | 50 | 47.4 | 95 | 70-148 | |
| Naphthalene | ug/kg | 50 | 48.5 | 97 | 70-148 | |
| o-Xylene | ug/kg | 50 | 49.2 | 98 | 70-141 | |
| p-Isopropyltoluene | ug/kg | 50 | 48.6 | 97 | 70-148 | |
| sec-Butylbenzene | ug/kg | 50 | 47.1 | 94 | 70-145 | |
| Styrene | ug/kg | 50 | 50.6 | 101 | 70-138 | |
| tert-Butylbenzene | ug/kg | 50 | 48.3 | 97 | 70-143 | |
| Tetrachloroethene | ug/kg | 50 | 48.2 | 96 | 70-140 | |
| Toluene | ug/kg | 50 | 46.8 | 94 | 70-130 | |
| trans-1,2-Dichloroethene | ug/kg | 50 | 42.7 | 85 | 70-136 | |

Date: 05/26/2011 02:15 PM

REPORT OF LABORATORY ANALYSIS

Page 26 of 32

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



QUALITY CONTROL DATA

Project: 35579.1.1 WILKES CO UST
Pace Project No.: 9294182

LABORATORY CONTROL SAMPLE: 608566

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| trans-1,3-Dichloropropene | ug/kg | 50 | 47.6 | 95 | 70-138 | |
| Trichloroethene | ug/kg | 50 | 45.8 | 92 | 70-132 | |
| Trichlorofluoromethane | ug/kg | 50 | 49.0 | 98 | 69-134 | |
| Vinyl acetate | ug/kg | 100 | 104 | 104 | 24-161 | |
| Vinyl chloride | ug/kg | 50 | 47.3 | 95 | 55-140 | |
| Xylene (Total) | ug/kg | 150 | 145 | 96 | 70-141 | |
| 1,2-Dichloroethane-d4 (S) | % | | | 96 | 70-132 | |
| 4-Bromofluorobenzene (S) | % | | | 100 | 70-130 | |
| Dibromofluoromethane (S) | % | | | 97 | 70-130 | |
| Toluene-d8 (S) | % | | | 100 | 70-130 | |

MATRIX SPIKE SAMPLE: 609096

| Parameter | Units | 9294107003 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------------|-------------|-----------|----------|--------------|------------|
| 1,1-Dichloroethene | ug/kg | ND | 45.3 | 33.8 | 74 | 49-180 | |
| Benzene | ug/kg | ND | 45.3 | 38.1 | 84 | 50-166 | |
| Chlorobenzene | ug/kg | ND | 45.3 | 40.1 | 88 | 43-169 | |
| Toluene | ug/kg | ND | 45.3 | 37.9 | 84 | 52-163 | |
| Trichloroethene | ug/kg | ND | 45.3 | 36.9 | 81 | 49-167 | |
| 1,2-Dichloroethane-d4 (S) | % | | | | 97 | 70-132 | |
| 4-Bromofluorobenzene (S) | % | | | | 89 | 70-130 | |
| Dibromofluoromethane (S) | % | | | | 102 | 70-130 | |
| Toluene-d8 (S) | % | | | | 96 | 70-130 | |

SAMPLE DUPLICATE: 609097

| Parameter | Units | 9294259003 Result | Dup Result | RPD | Qualifiers |
|-----------------------------|-------|-------------------|------------|-----|------------|
| 1,1,1,2-Tetrachloroethane | ug/kg | ND | ND | | |
| 1,1,1-Trichloroethane | ug/kg | ND | ND | | |
| 1,1,2,2-Tetrachloroethane | ug/kg | ND | ND | | |
| 1,1,2-Trichloroethane | ug/kg | ND | ND | | |
| 1,1-Dichloroethane | ug/kg | ND | ND | | |
| 1,1-Dichloroethene | ug/kg | ND | ND | | |
| 1,1-Dichloropropene | ug/kg | ND | ND | | |
| 1,2,3-Trichlorobenzene | ug/kg | ND | ND | | |
| 1,2,3-Trichloropropane | ug/kg | ND | ND | | |
| 1,2,4-Trichlorobenzene | ug/kg | ND | ND | | |
| 1,2,4-Trimethylbenzene | ug/kg | ND | ND | | |
| 1,2-Dibromo-3-chloropropane | ug/kg | ND | ND | | |
| 1,2-Dibromoethane (EDB) | ug/kg | ND | ND | | |
| 1,2-Dichlorobenzene | ug/kg | ND | ND | | |
| 1,2-Dichloroethane | ug/kg | ND | ND | | |
| 1,2-Dichloropropane | ug/kg | ND | ND | | |
| 1,3,5-Trimethylbenzene | ug/kg | ND | ND | | |
| 1,3-Dichlorobenzene | ug/kg | ND | ND | | |

Date: 05/26/2011 02:15 PM

REPORT OF LABORATORY ANALYSIS

Page 27 of 32

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



QUALITY CONTROL DATA

Project: 35579.1.1 WILKES CO UST

Pace Project No.: 9294182

SAMPLE DUPLICATE: 609097

| Parameter | Units | 9294259003 Result | Dup Result | RPD | Qualifiers |
|-----------------------------|-------|----------------------|---------------|-----|------------|
| 1,3-Dichloropropane | ug/kg | ND | ND | | |
| 1,4-Dichlorobenzene | ug/kg | ND | ND | | |
| 2,2-Dichloropropane | ug/kg | ND | ND | | |
| 2-Butanone (MEK) | ug/kg | ND | ND | | |
| 2-Chlorotoluene | ug/kg | ND | ND | | |
| 2-Hexanone | ug/kg | ND | ND | | |
| 4-Chlorotoluene | ug/kg | ND | ND | | |
| 4-Methyl-2-pentanone (MIBK) | ug/kg | ND | ND | | |
| Acetone | ug/kg | ND | ND | | |
| Benzene | ug/kg | ND | ND | | |
| Bromobenzene | ug/kg | ND | ND | | |
| Bromochloromethane | ug/kg | ND | ND | | |
| Bromodichloromethane | ug/kg | ND | ND | | |
| Bromoform | ug/kg | ND | ND | | |
| Bromomethane | ug/kg | ND | ND | | |
| Carbon tetrachloride | ug/kg | ND | ND | | |
| Chlorobenzene | ug/kg | ND | ND | | |
| Chloroethane | ug/kg | ND | ND | | |
| Chloroform | ug/kg | ND | ND | | |
| Chloromethane | ug/kg | ND | ND | | |
| cis-1,2-Dichloroethene | ug/kg | ND | ND | | |
| cis-1,3-Dichloropropene | ug/kg | ND | ND | | |
| Dibromochloromethane | ug/kg | ND | ND | | |
| Dibromomethane | ug/kg | ND | ND | | |
| Dichlorodifluoromethane | ug/kg | ND | ND | | |
| Diisopropyl ether | ug/kg | ND | ND | | |
| Ethylbenzene | ug/kg | ND | ND | | |
| Hexachloro-1,3-butadiene | ug/kg | ND | ND | | |
| Isopropylbenzene (Cumene) | ug/kg | ND | ND | | |
| m&p-Xylene | ug/kg | ND | ND | | |
| Methyl-tert-butyl ether | ug/kg | ND | ND | | |
| Methylene Chloride | ug/kg | ND | ND | | |
| n-Butylbenzene | ug/kg | ND | ND | | |
| n-Propylbenzene | ug/kg | ND | ND | | |
| Naphthalene | ug/kg | ND | ND | | |
| o-Xylene | ug/kg | ND | ND | | |
| p-Isopropyltoluene | ug/kg | ND | ND | | |
| sec-Butylbenzene | ug/kg | ND | ND | | |
| Styrene | ug/kg | ND | ND | | |
| tert-Butylbenzene | ug/kg | ND | ND | | |
| Tetrachloroethene | ug/kg | ND | ND | | |
| Toluene | ug/kg | ND | ND | | |
| trans-1,2-Dichloroethene | ug/kg | ND | ND | | |
| trans-1,3-Dichloropropene | ug/kg | ND | ND | | |
| Trichloroethene | ug/kg | ND | ND | | |
| Trichlorofluoromethane | ug/kg | ND | ND | | |
| Vinyl acetate | ug/kg | ND | ND | | |
| Vinyl chloride | ug/kg | ND | ND | | |

Date: 05/26/2011 02:15 PM

REPORT OF LABORATORY ANALYSIS

Page 28 of 32

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



QUALITY CONTROL DATA

Project: 35579.1.1 WILKES CO UST
Pace Project No.: 9294182

SAMPLE DUPLICATE: 609097

| Parameter | Units | 9294259003 Result | Dup Result | RPD | Qualifiers |
|---------------------------|-------|----------------------|---------------|-----|------------|
| Xylene (Total) | ug/kg | ND | ND | | |
| 1,2-Dichloroethane-d4 (S) | % | 97 | 100 | 17 | |
| 4-Bromofluorobenzene (S) | % | 93 | 93 | 14 | |
| Dibromofluoromethane (S) | % | 97 | 102 | 19 | |
| Toluene-d8 (S) | % | 98 | 100 | 16 | |

QUALITY CONTROL DATA

Project: 35579.1.1 WILKES CO UST
Pace Project No.: 9294182

| | |
|------------------------------------|---|
| QC Batch: PMST/3929 | Analysis Method: ASTM D2974-87 |
| QC Batch Method: ASTM D2974-87 | Analysis Description: Dry Weight/Percent Moisture |
| Associated Lab Samples: 9294182001 | |

SAMPLE DUPLICATE: 606805

| Parameter | Units | 9294200001 Result | Dup Result | RPD | Qualifiers |
|------------------|-------|----------------------|---------------|-----|------------|
| Percent Moisture | % | 15.2 | 14.8 | 2 | |

SAMPLE DUPLICATE: 606806

| Parameter | Units | 9294195006 Result | Dup Result | RPD | Qualifiers |
|------------------|-------|----------------------|---------------|-----|------------|
| Percent Moisture | % | 8.6 | 9.0 | 4 | |

QUALIFIERS

Project: 35579.1.1 WILKES CO UST
Pace Project No.: 9294182

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

1g Surrogate fails after Moisture Correction for Methanol.
M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N2 The lab does not hold NELAC accreditation for this parameter.
P3 Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 35579.1.1 WILKES CO UST

Pace Project No.: 9294182

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|------------|-----------------|-----------------|------------|-------------------|------------------|
| 9294182001 | P-128-UST-3 (5) | MADEP EPH | OEXT/13613 | MADEP EPH | GCSV/9794 |
| 9294182001 | P-128-UST-3 (5) | MADEP VPH | GCV/5024 | MADEP VPH | GCV/5026 |
| 9294182001 | P-128-UST-3 (5) | EPA 3546 | OEXT/13634 | EPA 8270 | MSSV/4956 |
| 9294182001 | P-128-UST-3 (5) | EPA 8260 | MSV/15331 | | |
| 9294182001 | P-128-UST-3 (5) | ASTM D2974-87 | PMST/3929 | | |



CHAIN-OF-CUSTODY / Analytical Request Document

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

Parcel 128

Page: 1 of 1
1478551

| | | | |
|--|---|---|---|
| Section A Required Client Information: | Company: AMEC E+E Address: 2200 Gateway Center Blvd Morrisville, NC Phone: 919-447-2250 Requested Due Date/ATI: | Section B Report To: Helena Corley Copy To: | Section C Attention: Ethan Caldwell Company Name: NE DOT Address: 1584 W. 11 Service Center Raleigh, NC Reference: WAS: 35579.1.1 Pace Project Manager: Kevin Herdigg Pace Profile #: |
| REGULATORY AGENCY | <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER | Site Location STATE: NC | |

| ITEM # | Section D Required Client Information | Matrix Codes MATRIX / CODE | Matrix Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Tissue Other | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED | | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Preservatives | Analysis Test | Requested Analysis Filtered (Y/N) | Residual Chlorine (Y/N) | Pace Project No./ Lab I.D. |
|--------|--|-------------------------------|--|---------------------------------------|-----------------------------|-----------------|--------------------|---------------------------|-----------------|---------------|---------------|-----------------------------------|-------------------------|----------------------------|
| | | | | | | COMPOSITE START | COMPOSITE END/GRAB | | | | | | | |
| 1 | P-128-UST-3 (5') | SL | G | 5-13-11 | 9:35 | 4 | K | K | K | K | K | K | K | K |
| 2 | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | |

| | | | | | | | |
|--|--------------------------------------|-----------------------------|----------------------|----------------------------------|-------------|-------------|--------------------------|
| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
| | <i>Thy 2 Adolph</i> | 5-13-11 | 1345 | <i>[Signature]</i> | 05/13/11 | 1345 | 4°C Y N Y |
| SAMPLER NAME AND SIGNATURE | | | | | | | |
| PRINT Name of SAMPLER: <i>TROY L. HUBBS</i> | | | | | | | |
| SIGNATURE of SAMPLER: <i>[Signature]</i> | | | | | | | |
| DATE Signed (MM/DD/YY): 5-13-11 | | | | | | | |
| Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N) | | | | |

Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.
F-ALL-Q-020rev.07, 15-May-2007

Sample Condition Upon Receipt



Client Name: AMEC E+E Project # 9294182

Where Received: Huntersville Asheville Eden

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

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

Packing Material: Bubble Wrap Bubble Bags None Other _____

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

Temp Correction Factor: Add / Subtract 0 °C

Corrected Cooler Temp.: 4.6 C Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

| |
|-----------------|
| Optional |
| Proj. Due Date: |
| Proj. Name: |

| |
|---|
| Date and Initials of person examining contents: <u>5/13/11</u> <u>[Signature]</u> |
|---|

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: [Signature] Date: 5/13/11 SRF Review: [Signature] Date: 5/16/11

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