20-DAY / INITIAL ABATEMENT ACTION REPORT (IAAR)

FORMER DON CHRISTIAN PROPERTY
206 E. MAIN STREET
CARRBORO, ORANGE COUNTY, NC

September 19, 2013

UST Facility ID : 026870
USTs found : (9) USTs (14) ASTs
NCDENR Incident # : UST # 26797
Risk Classification & Ranking : Intermediate
UST Removal Date : 1989 and 2013
Latitude / Longitude : N 35.91048° / W -79.067287°
Estimated Quantity of Release : Unknown

Report prepared for:
Mr. Kevin Benedict
Main Street Properties of Chapel Hill, LLC
PO Box 2152, Chapel Hill, NC 27515

Report Reviewed by:

Brett S. Higgins
Project Manager

Report Prepared by:

Michael G. Jones, PG
License # 1168

NORTH CAROLINA LICENSED SEAL 1168 GEOLOGIST MICHAEL GALIK JONES 9/19/13

PYRAMID ENVIRONMENTAL & ENGINEERING, P.C.
P.O. Box 16265, GREENSBORO, NC 27416-0265
(336) 335-3174

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

NC Geology License C-257 NC Engineering License C-1251

TABLE OF CONTENTS

1.0 GENERAL INFORMATION 1

2.0 PREPARATION FOR UST AND AST CLEANUP 4

3.0 BUILDING DEMOLITION 7

4.0 UST AREA - CONTAMINATED SOIL EXCAVATION 7

4.1 SOIL SCREENING & SAMPLING - UST AREA 8
4.2 ANALYTICAL RESULTS – UST AREA 8
4.3 BACKFILLING – UST AREA 9
4.4 OXYGEN RELEASE COMPOUNDS 10
4.5 UST AREA – POST EXCAVATION ANALYTICAL RESULTS 10

5.0 WASTE OIL UST REMOVAL & CLEANUP 12

5.1 SOIL SCREENING & SAMPLING – WASTE OIL UST AREA 12
5.2 LABORATORY ANALYSES & RESULTS – WASTE OIL UST AREA 13
5.3 BACKFILLING – WASTE OIL UST AREA 13
5.4 WASTE OIL UST AREA – POST EXCAVATION ANALYTICAL RESULTS 13

6.0 HYDRAULIC LIFT UST REMOVAL & CLEANUP 14

6.1 SOIL SCREENING & SAMPLING – LIFT AREA 14
6.2 LABORATORY ANALYSES & RESULTS – LIFT AREA 15
6.3 LIFT AREA – POST EXCAVATION ANALYTICAL RESULTS 16
6.4 BACKFILLING – WASTE OIL AND LIFT AREA 16

7.0 AST AREA SOIL EXCAVATIONS – BROWNFIELDS 17

7.1 SOIL SCREENING & SAMPLING – AST AREA 18
7.2 LABORATORY ANALYSES & RESULTS – AST AREA 19
7.3 BACKFILLING – AST AREA EXCAVATIONS 20
7.4 SOIL ANALYTICAL RESULTS EVALUATION – IHSB/BROWNFIELDS PROGRAM 20

8.0 WASTE DISPOSAL SAMPLES & RESULTS 21

9.0 GROUNDWATER SAMPLING & ANALYSES 22

9.1 GROUNDWATER SAMPLING 22
9.2 QUALITY CONTROL MEASURES 23
9.3 GROUNDWATER ANALYTICAL RESULTS 23

10.0 IAAR CONCLUSIONS 24

11.0 RECOMMENDATIONS 27

12.0 SIGNATURE OF PE OR LICENSED GEOLOGIST 27

TABLE OF CONTENTS (continued)

FIGURES

Figure 1 : Topographic Map
Figure 2 : Site Detail Map - USTs
Figure 3 : Site Detail Map - ASTs
Figure 4 : UST Area Excavation Map
Figure 5 : Waste Oil Excavation Map
Figure 6 : Lift Area Excavation Map
Figure 7 : AST Area Excavation Map
Figure 8 : Potentiometric Surface Map (07-30-13)
Figure 9 : Benzene Isoconcentration Map (08-29-13)

TABLES

Table 1 : UST and AST Information
Table 2 : UST Area - Screening Results
Table 3 : UST Area - Risk-Based Post Excavation Soil Analytical Results
Table 4 : Waste Oil UST Area - Risk-Based Post-Excavation Soil Analytical Results
Table 5 : Hydraulic Lift Area - Risk-Based Post Excavation Soil Analytical Results
Table 6 : AST / Duct Bank Area – BFP Post Excavation Soil Analytical Results
Table 7 : AST / Loading Rack Area – BFP Post Excavation Soil Analytical Results
Table 8 : Disposal Sample Table (DS-1 through DS-7)
Table 9 : Monitoring Well Depths and Gauging Data
Table 10 : Historical Groundwater Analytical Results

APPENDICES

A. Sanborn Maps and Historic Aerial Photos
B. Previous Consultant Report (LSA II Completed in 2005)
C. Pre-Approvals, DENR UST Letters
D. BFP Notification and Soil Management Plan
E. Standard Field Procedures
F. Building Asbestos Survey and Removal Information & TCLP Analysis
G. UST Area - Manifests, Weight Tickets, Laboratory Reports, Well Abandonment Logs, Photos, Well Installation Records
H. TERSOX Oxygen Release Compound Literature & Photos
I. Waste Oil Area -Manifests, Weight Tickets, Laboratory Reports, & Photos
J. Hydraulic Lift Area - Manifests, Weight Tickets, Laboratory Reports, & Photos
K. ASTs Area - Manifests, Weight Tickets, Laboratory Reports, & Photos
L. Disposal Sample Analytical Results
M. Groundwater Analytical Laboratory Results and MW-1A and MW-5A Details

Initial Abatement Action Report
for the
Former Don Christian Property
206 E. Main Street, Carrboro, NC

1.0 General Information

A. Ownership of Underground Storage Tank(s) (USTs)

Former USTs Owner:
Mr. Don Christian
206 E. Main Street, Carrboro, NC 27510

Property Owner:
Main Street Properties of Chapel Hill, LLC
PO Box 2152, Chapel Hill, NC 27515

B. Facility Information:

1. Facility Name: Former Don Christian Property
2. UST Facility ID # 026870
3. Facility Address : 206 E. Main Street, Orange County, Carrboro, NC 27510
4. UST Incident # 26797

C. Contacts:

1. Primary Contact Person:
Kevin Benedict
Main St. Properties of Chapel Hill, LLC
PO Box 2152, Chapel Hill, NC 27514
(919) 810-4410

2. Closure Contractor:
Phil Cauthen
Garco Inc.
2242 Carl Drive, Asheboro, NC
(336) 683-0911

3. Primary Consultant:
Pyramid Environmental and
Engineering, P.C. (Pyramid)
P.O. Box 16265
Greensboro, NC 27416
(336) 335-3174

4. Laboratory:
Pace Analytical Services, Inc.
9800 Kincey Ave., Suite 100
Huntersville, NC 28078
NC Certification # 12
(704) 875-9092

5. UST Section Project Manager:
Ms. Brenda Hafshejani
NC DENR Raleigh Regional Office
1628 Mail Service Center
Raleigh, NC 27699
(919) 791-4224

5. BF Program Project Manager:
Tony Duque
NC Brownfields Program
217 Jones Street
Raleigh, NC 27699
(919) 707-8380

The work completed for this report includes work completed for two branches of the NC Department of Environment and Natural Resources (DENR) Division of Waste Management (DWM). The work was completed for the Underground Storage Tank (UST) Section under the direction of Ms. Brenda Hafshejani, and for the NC Brownfields Program (BFP) under the direction of Mr. Tony Duque. These two divisions cooperated with the recent cleanup activities for the Former Don Christian property.

D. UST Information & Site History:

The location of the Don Christian property is at 206 E. Main Street in Carrboro, NC as shown on the topographic map presented as **Figure 1**. The Don Christian Property has been used for commercial purposes since at least 1925. The initial information concerning the property was gleaned from Sanborn Maps and historical aerials. The property was used as a bulk oil facility as early as the mid 1920's and a gasoline station was added to the operations in the early 1930's. The initial bulk fuel operations at the site were conducted by Standard Oil Company of New Jersey, the predecessor of the Exxon Corporation, who constructed the bulk oil facility on the southern portion of the property between 1925 and 1932. The aboveground storage tanks (ASTs) consisted of eight bulk fuel tanks ranging in size from 6,000-gallons to 20,000-gallons in size. These tanks were reportedly used by Exxon until the property was sold to Lloyd Oil Company in the late 1970's. The bulk fuel facility was active until the 1980's and the ASTs were removed by Don Christian in June 2003.

The property continued the use of three 270 gallon heating oil ASTs until recently. In 2013, these ASTs tanks were removed from the site for disposal. The past property use is shown on the Sanborn Maps and Historical Aerials presented in **Appendix A**.

Exxon also built a gasoline station on the northern portion of the property. The station had six underground storage tanks (USTs) which stored both gasoline and diesel products and were reportedly removed in 1989. Between 1989 and 2003, the gas station building was intermittently used as an auto garage. More recently, the gas station buildings were used as a retail pottery outlet, and office space. **Table 1** presents the listing of the USTs and ASTs known at the site.

In 2005 the Brownfields Agreement (BFA) was signed between the State and the Prospective Developer (PD), Main Street Properties of Chapel Hill, LLC. The notice was recorded February 4, 2005 at the Register of Deeds in Orange County, NC. The Brownfields Property consists of 23,091 square feet of land located at 206 East Main Street in Carrboro, Orange County, NC.

The environmental investigations that were conducted to support the BFA showed contamination from past site activities. There were many soil borings completed on the property and there were six groundwater monitoring wells installed at the site. The PD plans to redevelop the property for the construction of a three story commercial building which will house commercial retail, restaurant, and office uses. The demolition of the existing buildings, removal of contaminated soils, backfilling, and closure sampling was planned for July 2013, to allow time for building construction to be completed in 2013-2014.

The work in the UST area was pre-approved as "directed work" to lower petroleum contaminant concentrations in soil and groundwater in the UST area. In addition, cleanup of the AST area and loading rack was planned to coincide with the development plans for the property. These two cleanup events were separated to keep costs and technical aspects separate.

This report was prepared to provide details of the UST Initial Abatement Action Report (IAAR) which was not completed when the USTs were removed in 1989. This report presents the details of the cleanup activities, contaminated soil excavations, and the post-excavation soil and groundwater analyses.

E. Site History

In 2013, Pyramid worked with the DENR and the BFP to plan for the UST and AST cleanup work at the former Don Christian property. The previous environmental investigations that were conducted to support the BFA showed petroleum contamination from historical uses. The Limited Site Assessment (LSA) report is presented in **Appendix B** and includes soil and groundwater investigations for the site.

The PD redevelopment plan for the property included demolition of the existing buildings, removal of contaminated soils, backfilling, and closure sampling. The planned new construction will be a three story commercial building which will house commercial retail, restaurant, and offices. The building will not include residential use.

The work in the UST area was pre-approved as "directed work" to lower petroleum concentrations in soil and groundwater in the UST area. In addition, cleanup of the AST area and loading rack was planned to coincide with the development plans for the property. The UST areas and AST area cleanup events were separated clearly to keep costs and technical aspects separate. The letters and pre-approval forms for the UST work are presented in **Appendix C**. The Brownfields Program Soil Management Plan (SMP) and associated letters are presented in **Appendix D**. The standard procedures used by Pyramid during the investigations are presented in **Appendix E**.

F. Site Characteristics

Facility Use:

At the time of the demolition and soil cleanup work, the former gasoline station was being used as a Seagrove Pottery retail facility. The building behind the gas station was being used as an office and storage area. The former USTs were removed in 1989, and the former ASTs were removed in 2003. The locations of USTs are shown on **Figure 2** and the locations of the ASTs are shown on **Figure 3**.

Surrounding Property Use:

The surrounding properties are commercial buildings and municipal water is available to the entire area surrounding the site. In 2004, a receptor survey was completed for the site and showed no active water supply wells within 1000 feet, and no irrigation wells within 250 feet of the site. The current site ranking is Intermediate I-157. The property use will continue to be commercial/industrial in this downtown area of Carrboro.

Site Geology/Hydrogeology:

Pyramid's review of the 1985 Geologic Map of North Carolina yielded information concerning local geology and hydrogeology. Based on this review, the site is located in the Carolina Slate Belt of the Piedmont Physiographic Province of North Carolina. The surface geology consists of regional soils created by the weathering of underlying bedrock. The bedrock in the site vicinity is primarily composed of metamorphic granites of the Chapel Hill Pluton. Previous assessment reports presented the following soil descriptions from drilling:

0-9 feet	Lean Clay : soft to med-stiff, yellow-orange, clay with fine grained sand, dry.
9-18 feet	Saprolite : characteristics of clayey sand with coarse to fine grained sand.
18-30 feet	Weathered granitic bedrock 18-24 feet harder below 24 feet.

In general, both surface and groundwater flow directions are controlled by topographic contours of land forms in the Piedmont with flow occurring perpendicular to the contours from high to low elevations. Topographically, the highest elevation on the site is about the center of the property. Surface water runoff from the site generally flows to the north for the gas station parking area, and to the south for the AST area.

2.0 Preparation for UST and AST Cleanup

In preparation for the UST area site cleanup, on June 7, 2013, Main Street Properties and Pyramid met with the DENR to discuss the proposed soil excavation and groundwater cleanup project. The meeting was held at the DENR Raleigh Regional Office (RRO) and the pre-approval Task Authorization requests for the directed assessment and cleanup work were sent to the DENR UST Section. The pre-approvals were signed by the RRO and forwarded to the Central office. The Central office requested additional details concerning the scope of work which were summarized in a letter dated July 11, 2013. The signed pre-approvals and letter are presented in **Appendix C**.

The property was included in the Brownfields Program in 2005. The Brownfields Agreement (BFA) stated certain Land Use Restrictions (LURs) that are required as part of the property development. During the planning for the upcoming demolition and removal of buildings, and the soil excavation and cleanup activities, Pyramid submitted a letter informing the BFP Project Manager of the upcoming work. In discussions, it was agreed that the work required by the UST Section would be acceptable to the BFP for the UST areas. For the AST areas, a Brownfields Program Soil Management Plan (SMP) was prepared. The approved SMP and associated letters are presented in **Appendix D**. The DENR requested that the report for both the UST Section and the BFP be included in the same report.

The standard field procedures used by Pyramid during the investigations are presented in **Appendix E**. The number and location of the post excavation samples were discussed with the DENR Raleigh Regional Office and collected accordingly. The soil samples were generally collected as grab samples from the center of the excavator bucket. A portion of each soil sample was screened in the field using a Flame Ionization Detector (FID) Organic Vapor Analyzer (OVA) to check for organic vapors associated with petroleum.

Prior to the soil excavation and sampling activities, permitting and other preparatory activities were completed. The following work was performed:

- Pyramid contacted NC-One-Call prior to beginning the work to have all subsurface utilities marked at the site. The property owner confirmed that the existing utilities were disconnected prior to mobilization.
- In addition, as the excavations got closer to the natural gas lines, Pyramid contacted NorthState Utility Locating to provide depth and location of the gas and water lines for Cat's Cradle building, located immediately east of the site. As a result, no utilities were impacted during the soil excavations.
- Prior to demolishing the existing buildings, Main Street Properties and Garco submitted the necessary paperwork to obtain the appropriate permits from the local and State authorities.
- Main Street Properties and Pyramid also coordinated with the local fire marshal during the soil excavation work. The gasoline vapors released during the excavations might be suspected as a fire hazard, so we notified the fire department before digging began.
- As part of the pre-approvals, 10,000 gallons of contaminated water removal was pre-approved on an as needed basis. The water would be pumped from the excavations prior to backfilling as needed.
- Compaction of the UST excavations backfill was carefully planned. In the excavation where the USTs were present a 2 to 3 foot layer of gravel (57 stone) was installed at the bottom of the excavation. On top of the stone a geotextile fabric was installed to provide a barrier for soil infiltration.
- Backfill was arranged from a local quarry and was "Chapel Hill Grit" which has good characteristics for compaction. The backfill compaction was confirmed by compaction testing at 8 feet, 6 feet, 4 feet, 2 feet, and 1 foot below grade as the excavation backfilling was completed.
- Prior to demolition of the existing buildings, a pre-demolition asbestos survey was completed to identify the asbestos containing materials (ACMs). The primary location of ACMs was on the roof and windows. These materials were removed by EME in the final days preceding the building demolition. The Pyramid asbestos survey and EME asbestos removal report are presented in **Appendix F**.

- To provide the contractor with information needed for waste profiling of the building materials into the Orange County landfill, Pyramid collected a bulk building material sample from each of the two buildings. Both bulk material samples were analyzed for the 8 RCRA Metals by TCLP analysis. The analytical results were acceptable for disposal of the building materials and the profiled analyses are also presented in **Appendix F**.
- For the protection of the public, a 6 foot high temporary fence was installed along the perimeter of the northern area of the site. The temporary fence connected with the permanent chain-linked fence which surrounded the property. The temporary and permanent fencing remained in place for the demolition and soil excavation work from July 16 through August 13, 2013.
- The former garage building had two in-ground lifts that were evident in the floor. These two lifts were planned for excavation (UST-8 and UST-9) after the building was demolished and the concrete slab was removed.
- The Limited Site Assessment showed the six existing groundwater monitoring wells at the site. These wells were all located with the exception of MW-2 which appears to have been destroyed during the AST removal process in 2003. The remaining wells were sampled at different times during the UST cleanup process.
- The previous investigations showed petroleum contaminated soils in both UST and AST areas of the site. Pyramid provided Garco and Earthtec of NC with the laboratory analyses for waste profiling. Earthtec of NC reviewed the prior petroleum contaminated soil results and approved contaminated soil disposal at the facility.
- Pyramid completed a Health & Safety Plan for the site prior to mobilization and communicated the requirements to the selected contractor through the bidding process and by review of the health & safety plan prior to and during each day's work. The contractor also provided a third party health and safety audit of the project which found only minor labeling issues.

3.0 Building Demolition

On July 15th through 17th, 2013, Pyramid supervised the demolition of the existing buildings at the former Don Christian Property. The first stage of the demolition was the removal of the asbestos containing materials (ACMs) from the buildings. This was contracted and planned for the final days before Garco mobilized to the site. On Saturday July 13 and Sunday July 14, EME Industrial Services removed the ACMs from the buildings and provided proper disposal. The EME building demolition report is presented in **Appendix F**.

On Monday July 15, 2013, Main Street Properties, Pyramid, and the contractor Garco Inc. met at the site to review the planned work and begin the building demolition. The local building inspector, Jeff Frank of the State Asbestos permitting section, and the local Fire Marshal all checked in before the demolition started to check permit compliance. Each division received the information needed to approve the demolition. On July 15, 2013 the gas station building and office were demolished, and some of the building material was removed from the site for recycling.

First thing on July 16th, the temporary fencing was installed around the work area and the building waste separation and removal was mostly completed. The metal and concrete was separated and transported to a local recycling facility. The mixed building material wastes were processed off-site prior to disposal at the Orange County Landfill facility. On July 17th, the remaining building wastes were separated and hauled off the site. Also on July 17th, the asphalt and concrete surface in the UST pump island area was removed and the contaminated soil excavations were started.

4.0 UST Area - Contaminated Soil Excavation

On the morning of July 17, monitoring wells (MW) MW-1 and MW-5 were properly abandoned with cement grout by NC Well Driller Timothy Leatherman (Driller License # 1888). The abandonment reports for these wells are included in **Appendix G**. After well abandonment, excavation of petroleum contaminated soil was started near MW-1. The soil screening in the initial excavations for the UST area showed highly contaminated soil with FID/OVA readings >1000 parts per million (ppm). The soil screening in the pump island area and along the former product lines showed constant FID/OVA readings > 1000 ppm. The exploratory excavations started near MW-1 and proceeded north toward the NCDOT Right of Way (ROW) and following the product lines to the west and southwest. All of the soils encountered on July 17th showed significant petroleum contamination and the contaminated soils were stockpiled in preparation for transport to Earthtec the following day.

The excavation of petroleum contaminated soils in the UST area continued on July 17th, 18th, 22nd, and was completed on July 23rd. The excavation showed that the former pump island area was significantly contaminated and that there were two former pump islands. Evidently when the street was widened the second pump island (closest to the street) was partially located on the present ROW. During the site re-development, the ROW will be extended further south onto the property to allow for a bus lane. The boundary of the present ROW was the limit of the excavations to the north. The excavation was stepped downward as it proceeded to protect the excavation wall and enhance slope stability.

4.1 Soil Screening & Sampling - UST Area

The petroleum piping from the former pump islands was located to the west and southwest of the pump islands and connected with the area of former UST-2 and UST-6. The excavation followed the former steel petroleum piping to the west and southwest of the pump island. The soil surrounding these steel product lines was highly contaminated and was removed. The excavation from the pump island toward the former UST area near MW-5 was the primary excavation area.

The soil screening results are summarized in **Table 2** and referenced to a grid location which is shown on **Figure 4.** The grid position and depth of the screening analyses are presented to give some of the screening data from the UST area excavation. Pyramid screened soil at regular intervals as the excavation proceeded to provide feedback and limit the excavation when field screening readings fell below 500 ppm on the FID/OVA. The excavation screening results showed that the majority of the soil contamination was in the UST area and in the former pump island area. Excavation in the area of MW-1 was extended to a depth of 18 feet before the concentrations reduced to < 500 ppm. At 17 feet near MW-1, the FID/OVA reading was > 1000 ppm, and at 18 feet, the reading was 400 ppm. In other areas of the excavation, the readings below 12 feet showed FID/OVA readings > 1000. This shows that the petroleum contaminants had penetrated deep into the soil profile, below the water table. Each area was excavated to remove soils with screening concentrations above 500 ppm on the FID/OVA.

4.2 Analytical Results – UST Area

Based on certified weight tickets, the excavations in this UST area removed 931.85 tons of petroleum contaminated soils. The final excavation depth near MW-1 was 18 feet and the excavation depth near MW-5 was about 15 feet. The area in between was excavated to 7 to 12 feet as indicated by field screening. The perimeter soil samples were discussed with the DENR RRO prior to collection after the soil excavation was completed. The risk-based soil samples were collected according to the pre-approval TA using standard procedures. The historic water table depth in the area is 7 to 9 feet, therefore the soil samples were collected at a depth of 6.5 to 7 feet on the sidewalls of the excavation.

The UST closure soil samples and soil excavation soil samples were packed in a cooler on ice and maintained at 4° C during shipment to Pace Analytical Services, Inc. in Huntersville, NC. The UST Area soil samples were analyzed for all risk-based soil methods since there were diesel, kerosene and gasoline USTs present in the UST area and pump island area. The post-excavation risk-based soil analyses included the following analyses:

MADEP VPH	Volatile Petroleum Hydrocarbons (VPH)
MADEP EPH	Extractable Petroleum Hydrocarbons (EPH)
Method 8260	Volatile Organics
Method 8270	Semi-Volatile Organics

The disposal soil samples were composited as the excavations proceeded and were analyzed for total petroleum hydrocarbons (TPH) using the gasoline range organics (GRO) and diesel range organics (DRO) methods. The methods used were EPA Method 8015/5035 for gasoline and EPA Method 8015/3550 for diesel. A copy of the UST Area laboratory report and chain-of-custody form is included in **Appendix G.**

4.3 Backfilling – UST Area

After the excavation was completed on July 23, 2013, the backfilling process was started. The frequent rain events that occurred during the course of the summer created difficulties in backfilling. The Pre-approval TA included the pumping and removal of approximately 10,000 gallons of contaminated water. The water would be pumped from the excavations using vacuum tankers prior to backfilling, if necessary. As it turned out, only minor water from groundwater was present in the excavation and no pumping was needed.

The backfilling of the excavation required excellent compaction since a three story building is planned for the property. The UST Area excavation falls almost completely outside the planned building foundation, however, the compaction specification was 95% of the maximum dry density of the material. To provide a stable platform for the excavation backfilling, a 2 to 3 foot layer of compacted gravel (57 stone) was placed at the bottom of the UST area excavation.

The gravel layer was then covered with a geotextile fabric to prevent soil infiltration from the compacted backfill. Backfill was arranged from a local quarry and was "Chapel Hill Grit" which has good characteristics for compaction. The backfill compaction was confirmed by compaction testing by Mosher Engineering at excavation depths of 8, 7, 6, 5, 4, 2, and 0 feet as the excavation was backfilled and compacted. Backfilling of the UST Area excavation was completed on July 24 through July 26, 2013. The compaction testing results and Field Density Report are presented in **Appendix G** along with the UST Area data and photographs.

Based on certified weight tickets, the amount of soil removed from the UST area was 931.85 tons of petroleum contaminated soils. The manifests with certified weighs for the soil from this area are presented in **Appendix G**. The analytical results for the post excavation soil samples collected from the UST area are shown on **Table 3** and the analytical data are presented in **Appendix G**.

4.4 Oxygen Release Compounds

As discussed and with the agreement of the DENR RRO, Main Street Properties/Pyramid purchased and installed oxygen release compounds for the UST Area excavation. In preparing for the soil excavation, it was likely that the northernmost sidewall of the excavation (on the NCDOT ROW) would show some contamination and would not be able to be excavated since it is in the ROW. Oxygen release compounds were purchased to be spread in the excavation to encourage petroleum hydrocarbon remediation. These compounds release oxygen to stimulate the natural biodegradation process and are designed to last for 8 to 12 months providing oxygen to indigenous petroleum degrading microbes. Approximately 660 pounds of TersOx™ calcium peroxide granules were purchased and spread before the gravel layer was placed in the excavation. The product literature is presented in **Appendix H** along with photographs of the product and installation.

4.5 UST Area – Post Excavation Analytical Results

The analytical results from the post excavation soil samples collected in the former UST Area were compared with the DENR UST Section's Maximum Soil Contaminant Concentrations (MSCCs) residential and commercial soil cleanup levels.

The results of the risk-based analyses showed concentrations below residential and commercial UST levels for all soil samples on the property. The two soil samples collected at the right-of-way (NRB-1 and WRB-4) showed the sum of VPH and EPH compounds were above the residential MSCCs, and were well below the commercial MSCCs. The soil sample locations showing > residential results are located on the NC DOT right of way. The property will not be used for residential purposes and all adjoining parcels are all commercial properties.

No soil contaminants were identified above the residential standards in any of the soil samples collected on the subject property. Since groundwater contamination has already been established, comparison of soil concentrations with soil-to groundwater standards was unnecessary. Based on these post excavation soil analytical results, the excavations were successful in addressing the on-site soil contamination in the UST Area. No further soil excavations are necessary in this area.

Future development of the property will include a bus lane which will take approximately 12 to 14 feet of property south of the current curb line.

5.0 Waste Oil UST Removal & Cleanup

After completing the backfilling of the UST Area excavation, removal of the two hydraulic lifts and investigation of the former garage area was started on July 29, 2013. Also on July 29, 2013 monitoring well MW-1A and MW-5A were re-installed in the same locations of the previous wells. The well installation records are presented in **Appendix G**. There was an orphaned waste oil UST found during the excavations which is identified as UST-7. On July 30, the two hydraulic lifts were removed. These hydraulic lifts are identified as Lift #1 (UST-8) and Lift # 2 (UST-9), and are shown on **Figure 2**.

5.1 Soil Screening & Sampling – Waste Oil UST Area

After removal of hydraulic lift #1, a 2-inch petroleum pipe was observed leaving the lift area and going to the southeast. Pyramid continued the excavation to the southeast following this 2-inch line with the suspicion that it lead to another UST. As the excavation continued, oily water began entering the excavation through a gravel layer encountered at a depth of 4-5 feet near the southeast corner of the original garage building. The excavation continued until the buried waste oil tank (UST-7) was discovered. The location of the tank was underneath the small concrete block building between the garage and the office buildings. The tank was completely covered by buildings.

After uncovering the waste oil UST, the contents of the UST (mostly oily water) had leaked into the excavation since the UST bottom had many holes. Garco provided a vacuum truck to remove the oily water from the tank and excavation before the tank was removed. In addition, the vacuum truck was used to remove the hydraulic oil from the hydraulic lift cylinders.

After the water was removed, the excavation was widened to the north from the tank and to the west along another shallow (1 foot depth) 2-inch diameter pipe that contained black waste oil. The waste oil pipes and tank were removed from the excavation. The oily water and gravel present to the north of the waste oil tank was also removed since it contained visible black oil. The excavation for the waste oil UST merged with the excavation for Lift #1. The location of waste oil area is shown on **Figure 5.**

The soil surrounding the waste oil tank showed an oily character and odor, and generally showed a subdued screening response on the FID/OVA. The screening results from this area ranged from 40 ppm along the perimeter to >1000 ppm near the source. Pyramid screened soil at regular intervals as the excavation proceeded to provide feedback and limit the excavation when field screening readings fell below 100 ppm on the FID/OVA. Excavation of petroleum contaminated soils in the waste oil area was completed on July 30, 2013 and the risk based soil samples were collected and shipped for laboratory analysis. The waste oil area excavation was backfilled and compacted from on August 1 through August 5, 2013.

5.2 Laboratory Analyses & Results – Waste Oil UST Area

Based on certified weight tickets, the excavations in the waste oil area removed 265.57 tons of petroleum contaminated soils. The excavation depth in the center was 9.5 feet and surrounding areas to a depth of 7 to 8 feet. The risk-based soil samples were collected according to the guidance: one in the bottom center, and four sidewall samples. The soil samples were packed in a cooler on ice and maintained at 4° C during shipment to Pace Analytical Services, Inc. in Huntersville, NC. The soils were analyzed for all risk based soil methods plus chromium and lead. The post-excavation risk-based soil analyses included the following analyses:

MADEP VPH	Volatile Petroleum Hydrocarbons
MADEP EPH	Extractable Petroleum Hydrocarbons
Method 8260	Volatile Organics
Method 8270	Semi-Volatile Organics
Method 6010	Chromium & Lead

One soil sample (DS-5) was also collected beneath the waste oil UST and analyzed for DRO and EPH. The disposal soil sample DS-5 was analyzed for DRO and chromium and lead. A copy of the waste oil area laboratory report and chain-of-custody form is included in **Appendix I.**

5.3 Backfilling – Waste Oil UST Area

The total amount of soil removed from the waste oil area was 265.57 tons of petroleum contaminated soils. The soil manifests and certified weight tickets, photographs, and laboratory analytical data for soil from the waste oil area are presented in **Appendix I**. The analytical results for the post excavation soil samples collected from the waste oil UST area are shown on **Table 4** and the analytical data are presented in **Appendix I**. After the waste oil excavation was completed, the excavation of the hydraulic lifts was completed. Both areas were backfilled and compacted using the same backfill material and compaction procedures proven in the UST area.

5.4 Waste Oil UST Area – Post Excavation Analytical Results

The analytical results from the post excavation soil samples collected in the former waste oil UST area showed risk-based analyses below residential and commercial UST levels for all samples. The soil sample directly under the waste oil tank (WO UST) reported a VPH & EPH concentration above the residential MSCCs, however this area was excavated to a depth of 9.5 feet. The deeper soil sample at 9.5 feet showed no concentrations above residential standards.

For the metals chromium and lead, the results show all lead analyses were below the residential MSCCs for all samples. For total chromium two soil samples at a depth of 8 and 9.5 feet were slightly over the residential MSCCs. These concentrations are not volatile and will not be encountered in the upcoming building project.

Based on these post excavation soil analytical results, the excavations were successful in addressing the on-site soil contamination in the waste oil UST Area. No further soil excavations are necessary in this area.

6.0 Hydraulic Lift UST Removal & Cleanup

On July 30, the two hydraulic lifts were removed. These hydraulic lifts are identified as Lift #1 (UST-8) and Lift # 2 (UST-9), and are shown on **Figure 2**. The excavation of contaminated soils around the two hydraulic lifts in the former garage area was completed as described in the following sections.

6.1 Soil Screening & Sampling – Lift Area

Each hydraulic lift cylinder was a steel cylinder about 8.5 feet long set vertically beneath the garage floor. As such, each lift is considered an underground storage tank which contained hydraulic oil. Both hydraulic lifts (USTs) were the same size and length and were full of petroleum hydraulic oil. Once they were removed from the ground, the lift cylinders were placed in a small pit which was lined with a double plastic liner and a small amount of contaminated soil placed in the bottom to adsorb any oil and protect the liner.

When Lift # 1 was removed the cylinder appeared to be in good condition, and the cylinder walls did not leak hydraulic fluid as it was removed. However Lift # 2 showed several small holes in the hydraulic cylinder wall which were seeping as Lift # 2 was removed. The hydraulic lift cylinders were placed in the lined basin with the holes up until the vacuum truck could arrive and vacuum out each cylinder. The lifts were each 8.5 feet long and 14 inches in diameter. Based on a rough calculation each of the lift cylinder (USTs) had a capacity of approximately 65 gallons of hydraulic oil. Each hydraulic lift had a copper tube connected to the bottom which may have been connected to a hydraulic fluid reservoir. During the excavation of contaminated soils beneath the station floor, several copper tubes (water lines and hydraulic lines) were discovered. There was no evidence of a subsurface hydraulic reservoir found during extensive excavations in this area. The reservoir and controls may have been aboveground.

The soil screening in the initial excavations for hydraulic Lift #1 (UST-8) showed contamination above FID/OVA reading of 250 ppm in most areas. The field instrument response to the

contamination was a slow but steady climb which is expected for petroleum oil contamination. Some readings were more immediate like the soil beneath each lift which each had a reading of > 1000 ppm on the FID/OVA. The soil near each lift location was removed first and the perimeter soils were screened as the excavation continued. The first 5 feet around each lift generally showed FID/OVA concentrations greater than 500 ppm. The area surrounding Lift # 1 cleaned up at a shallower depth (about 10.5 feet) beneath the cylinder and about 10 feet around the cylinder. To the east, soils were screened until the readings were below 100 ppm about 12 feet east of Lift #1.

In the area of Lift # 2 (UST-9) evidence of a greater release of petroleum hydraulic oil was detected. The color of the oily soils was green in close proximity to the lift cylinder locations, the soil felt slippery to the touch, and the odor of hydraulic oil was also observed.

The screening results showed FID/OVA readings above 500 ppm in the soil even 10 to 13 feet north, west, and south of Lift # 2. The petroleum contamination persisted to a depth of 13 feet west of Lift # 2 and these soils were excavated. The excavation at Lift # 2 was about 14 feet deep and approximately 11 to 12 feet from the lift itself. Based on certified weight tickets, the soil excavation in the lift area removed 309.97 tons of petroleum contaminated soil.

Pyramid contacted the DENR RRO Project Manager to discuss sampling around this deeper excavation. The result of the discussion was to collect post excavation soil samples at a depth of 8 feet around the perimeter of the excavation, in the same manner as the UST area excavation. The depth of 8 feet was selected for collection of soil samples from the hydraulic lift area and no bottom samples were required since they would be below the water table. The soil samples collected at the perimeter of the final hydraulic lift excavation indicated that all soil samples at a depth of 8 feet were below 100 ppm on the FID/OVA.

6.2 Laboratory Analyses & Results – Lift Area

After the excavation was considered completed, six risk-based soil samples were collected as discussed with DENR around the perimeter of the hydraulic lift excavation. The soil samples were packed in a cooler on ice and maintained at 4° C during shipment to Pace Analytical Services, Inc. in Huntersville, NC. The soil samples were analyzed for all risk-based soil methods required for hydraulic oil.

Method 3550/8015	Diesel Range Organics (DRO)
MADEP EPH	Extractable Petroleum Hydrocarbons
Method 8270	Semi-Volatile Organics

In addition, one soil sample was collected from immediately beneath each lift cylinder/UST, and analyzed using EPA Method 8015 for DRO and MADEP EPH. The soil sample from Lift # 1 (UST-8) showed a DRO concentration of 5060 milligrams per kilogram (mg/kg) and the soil sample directly under lift # 2 showed a DRO concentration of 6260 mg/kg. The composite disposal soil sample (DS-6) from the lift area was also analyzed for DRO only and reported 1150 mg/kg. The laboratory report for the hydraulic lift area, chain-of-custody form, soil manifests, and photographs are included in **Appendix J.**

The total amount of soil removed from the hydraulic lift UST area was 309.97 tons of petroleum contaminated soils. The manifests for the soil from this area are presented in **Appendix J**. The analytical results for the post excavation soil samples collected from the UST area are shown on **Figure 6**, and the results are summarized on **Table 5** and the analytical data are presented in **Appendix J.**

6.3 Lift Area – Post Excavation Analytical Results

The analytical results from the post excavation soil samples collected in the former hydraulic lift area showed risk-based analyses below residential and commercial UST levels for all samples. The soil sample directly under the hydraulic lifts showed high DRO analytical results and these soils were excavated for off-site disposal. Since groundwater contamination has already been established, comparison of soil concentrations with soil-to groundwater standards was unnecessary.

Based on these post-excavation soil analytical results, the excavations were successful in addressing the on-site soil contamination in the hydraulic lift UST Area. No further soil excavations are necessary in this area.

6.4 Backfilling – Waste Oil and Lift Area

After the hydraulic lift area excavation was completed, the area was backfilled and compacted using the same backfill material and compaction methods proven in the UST area. The backfilling of the excavation was completed in the same manner as the previous UST excavation. Approximately 80 tons of gravel was used in the bottom of the excavation and compacted fill material above that in one-foot lifts to the surface.

7.0 AST Area Soil Excavations – Brownfields

In preparation for construction of the new building, previously identified petroleum contaminated soil in the AST areas and Loading Rack areas were targeted for excavation and off-site disposal. The plans for this work were submitted to the Brownfields program project manager for approval before completion. On July 16, 2013 Pyramid received approval for the required soil remediation from the BFP Project Manager. The work to complete backfilling the excavations of the UST areas was finished on August 5, 2013.

On August 6, 2013, the work began to address concerns in the Aboveground Storage Tank (AST) areas. The locations of the ASTs and associated piping are shown on **Figure 3**. The previous soil investigations were limited, and are included in **Appendix B**. The Soil Management Plan (SMP) required for the site by the Brownfields Program (BFP) was approved in mid-July 2013. The SMP is presented in **Appendix D**, and indicates that the soil cleanup is targeted at three main areas.

1. The first is the AST area where the electrical duct bank is to be installed. The duct bank (DB) will be installed along the eastern perimeter of the site within 15 feet of the property boundary. The soil excavations in this area were to remove soils with field screening readings above 500 ppm on the FID/OVA. In practice, the excavations were completed to 200 ppm to address any contaminated soils before the duct bank construction.
2. The second area was the Loading Rack for the former AST bulk plant. The earlier soil borings indicated petroleum contaminants in this area. Removal of the piping and associated soil contamination was planned for this area.
3. The third area was the petroleum product piping that connected the loading rack with the former AST area. Field screening along the petroleum piping was the first stage of investigation in this area.

The AST Area work began on August 6, 2013 with test pit investigations. The initial test pits were located south of the former AST locations and did not show any petroleum hydrocarbon readings on the FID/OVA. Similarly, the area to the west of the ASTs was investigated and also did not show any petroleum contamination. The area was mapped out using old aerial maps and the locations of the ASTs are shown on **Figure 3** and further described in **Table 1**.

The initial investigations included following the subsurface lines from the loading rack area toward the former AST area. The lines were close packed together in a bundle not laid flat in the bottom of a trench. The piping was single walled steel pipes with a 3-inch inside diameter (ID) and about 3.75-inch outside diameter (OD). These product lines were located along the western

side of the bulk fuel facility and were approximately 4-5 feet off the property boundary at the loading rack, and over 12-13 feet off the property line at their southernmost point.

Before the excavations in the AST area could be completed, a sidewalk that had been added to the Cat's Cradle building had to be removed. The first day (August 6th) was primarily devoted to removal of the sidewalk and a patio that had been added several years ago. The soil placed under the sidewalk above the native soil was visibly different and was also screened with the FID/OVA at regular intervals. This soil was found to be completely clean and was stockpiled for later use as backfill.

7.1 Soil Screening & Sampling – AST Area

On August 7, 2013, after the sidewalk was removed, the first area of concern was the former AST area and excavations in this area were initiated with test pits. Pyramid screened the area where MW-2 was previously located and did not find any trace of the well. Initially five test pits were completed in the areas to the south of the ASTs and south and east of MW-2. One of the test pits encountered an 11 foot diameter 2 foot thick concrete foundation for AST-8 which was buried about 4 inches below the ground. This concrete foundation could not be lifted by the trackhoe in one piece, and made it necessary to break-up the concrete before it could be removed.

Pyramid investigated the AST area further with test pits and found three similar foundations. The four foundations were at locations AST-8, AST-7, AST-6, and AST-5 as shown on **Figure 3**. These concrete foundations required removal prior to the building construction, so the contractor ordered a concrete breaker for delivery on August 8, 2013.

While investigating this area, the location of the former product lines between the ASTs and the loading rack was also investigated. Test pits were excavated along the product lines at regular intervals to allow soil screening. These soil screening locations (LS-1 through LS-6) are shown on **Figure 7**. The soil in each of these screening locations was dry and showed no organic vapors above 10 ppm on the FID/OVA to a depth of 3 to 4 feet. Line samples were not collected for laboratory analyses since soil screening values under the 4-inch diameter steel lines showed < 10 ppm on the FID/OVA and no soil removal was completed in these areas.

The contractor and Pyramid investigated the duct bank area and located the natural gas utility. The natural gas line was a steel line located about 12-18 inches off the Cat's Cradle building. The location of the line would not allow excavation within 2 feet of the building. Pyramid and the contractor began limited excavations in the area of the ASTs to investigate where contaminated soils were located. The excavations were generally completed along the eastern site boundary in the area of the proposed duct bank.

On August 8th, 2013 the contractor worked to remove the concrete foundations and haul the concrete for recycling. No excavations of contaminated soil were conducted on August 8th, and plans were made to start early and stay late on Friday August 9th to complete the project excavations.

Early on August 9th, Pyramid and the contractor began excavating and screening soils in the loading rack area and proposed electrical duct bank area. The area to the east of the AST foundations along the property line with Cat's Cradle showed some screening results above 400 and 500 ppm on the FID/OVA. These soils were removed for off-site disposal at Earthtec. This area shown on **Figure 7** was excavated to a depth of 6 feet to provide soil cleanup prior to the installation of an electrical duct bank. The soil samples collected in this area were designated "DB" for Duct Bank.

In the loading rack area, there was obvious petroleum contamination in the center of the loading rack that persisted to a depth of about 8 feet. The area of the soil excavation in the loading rack is shown on **Figure 7**. The perimeter of the excavation was defined by soil screening results less than 200 ppm on the FID/OVA for the excavation. The soil samples collected from the AST Loading Rack Area are designated as LR.

The excavations proceed until the soils at the perimeter of the excavations were below 200 ppm on the FID/OVA. Soil samples were collected for laboratory analyses in accordance with the approved SMP. A duplicate soil sample was collected from the AST area for quality assurance. The location of the soil samples for the duct bank and the loading rack are shown on **Figure 7**.

Based on certified weight tickets, a total of 217.96 tons of petroleum contaminated soil was removed from the two excavations in the former AST area. The weight tickets, soil manifests, and photographs of the work are presented in **Appendix K.**

7.2 Laboratory Analyses & Results – AST Area

Soil samples were collected from the margins of the excavations as shown on **Figure 7**. The soil samples were preserved in laboratory containers, packed in a cooler on ice, and maintained at 4° C during shipment to Pace Analytical Services, Inc. in Huntersville, NC. The soils were analyzed for the following soil analytical methods:

Method 8260	Volatile Organics
Method 8270	Semi-Volatile Organics

The disposal soil sample from the AST Area (DS-7) was analyzed using methods GRO & DRO. A copy of the AST / Duct Bank Area laboratory report and chain-of-custody form is included in **Appendix K.** The analytical results are summarized in two analytical tables. **Table 6** shows the results of the AST/Duct Bank Area, and **Table 7** shows the results of the AST/Loading Rack Area. Both of the tables include the UST Section Standards and the IHSB/Brownfields Standards.

7.3 Backfilling – AST Area Excavations

After the excavations in the AST Area were completed, the excavations were backfilled with clean sand rock fill material ("Chapel Hill Grit"). Both areas were backfilled and compacted using the on-site equipment and graded to match the nearby surface grade. Final grading of the site will be arranged by the building contractor when the building construction begins.

7.4 Soil Analytical Results Evaluation – IHSB/Brownfields Program

The laboratory reports were reviewed and the results compared to both the DENR UST Section regulatory goals and the Inactive Hazardous Sites Branch (IHSB) Preliminary Soil remediation Goals (PSRGs). For the AST/Duct Bank Area soil samples, the analytical results show that the soil samples were below the residential standards, and well below the commercial standards for the IHSB/Brownfields program, as well as the residential and commercial standards for the UST Section.

For the AST/Loading Rack Area soil samples, the analytical results show that the soil samples were below the residential and commercial standards for the IHSB/Brownfields program and the UST Section residential and commercial MSCCs. Soil Sample LR-Center showed one parameter (Phenanthrene) which was near the DENR UST Section MSCC residential level. The level of contamination detected in the sample was below the residential standard; however, the duplicate sample reported a concentration which was just over the residential standard. The soil sample results showed no contaminants close to the commercial standards for either DENR UST or Brownfields/IHSB program.

Based on these analytical results, the soil cleanup activities in the AST area were effective in removing petroleum contaminated soils from the two known areas of soil contamination.

8.0 Waste Disposal Samples & Results

The soil excavations listed previously were completed as directed by the DENR UST Section. The waste characterization and waste disposal for petroleum contaminated soils requires that composite soil samples are collected for every 200 cubic yards or 300 tons of petroleum contaminated soils removed from the site. These composite soil samples were collected as the work was being completed in each area. The results of the laboratory analyses of the composite disposal samples are summarized on **Table 8**, and the analytical results for DS-1 through DS-7 are presented in **Appendix L**.

The petroleum contaminated soils from the former Don Christian Property were disposed at Earthtech Environmental, Inc. The contaminated soil manifests with certified weight tickets for each area excavated are included in the appendix related to that area of the site.

The overall soil tonnage excavated from the UST Areas was 1507.39 tons.

The overall soil tonnage excavated from the AST Areas was 217.96 tons.

After all of the soil excavations were completed, the contractor rough graded the area to fill all excavated areas. The temporary fencing was removed in preparation for the next contractor and the construction of the new building.

9.0 Groundwater Sampling & Analyses

The previous groundwater investigations showed concentrations above the Gross Contaminant Levels (GCLs) in two monitoring wells (MW-1 and MW-5). These two monitoring wells are in the area where the most significant soil contamination was detected. The former UST Area was targeted for removal as part of the soil excavation project and required the abandonment of MW-1 and MW-5. The work for the UST area was pre-approved by the DENR UST Section, and included re-installation of the two monitoring wells. The well abandonment and installation reports are presented in **Appendix G**.

After these wells were re-installed, a series of sampling events was completed to provide groundwater concentrations in the weeks following the excavations. This section of the report presents the groundwater data collected in association with the Initial Abatement Action Report (IAAR) for the former Don Christian Site. The depth to groundwater was measured in the monitoring wells and the data are presented in **Table 9**, and the most recent potentiometric surface map is presented as **Figure 8**.

9.1 Groundwater Sampling

Prior to the soil excavation at the site, In May 2013, Pyramid collected groundwater samples from MW-1 and MW-5. These initial groundwater samples were analyzed for volatile organics using EPA Method 6200B. These analytical results reported benzene at 29,000 micrograms per liter (ug/L) in MW-1.

The next groundwater samples were collected on July 15, 2013 when the demolition and excavation project began. The groundwater samples were collected from MW-3, MW-4, and MW-6, and showed very little petroleum contamination in these perimeter wells. Investigations in the area of MW-2 found only a piece of 2” threaded PVC that looked like the top of a well, and MW-2 was not found.

On July 17, 2013, MW-1 and MW-5 were abandoned with cement by NC Well Driller Tim Leatherman. During the soil excavations, little groundwater was observed entering the open excavations and groundwater pumping was not required. After the UST Area excavation was completed and backfilled, on July 29, 2013 new monitoring wells MW-1A and MW-5A were installed in the previous locations of MW-1 and MW-5.

As pre-approved by the DENR, the groundwater samples were collected in accordance with the DENR sampling procedures as described in **Appendix E**. The groundwater sampling plan was to provide several samples from the newly installed monitoring wells about 2 weeks apart. The sampling work included analyses for the primary contaminants of concern; benzene, BTEX, and PAHs.

The groundwater samples were collected as follows :

05-08-2013	Samples from MW-1 and MW-5 for 6200B
07-15-2013	Samples from MW-3, 4, & 6 for 6200B & 625 + tics
07-30-2013	Samples from MW-1A and MW-5A for 6200B & 625 + tics
08-13-2013	Samples from MW-1A and MW-5A for 6200B & 625 + tics
08-23-2013	Samples from MW-1A and MW-5A for 6200B & 625 + tics
08-29-2013	MW-1A, 3, 5A, and 6 for 6200B & 625, VPH, EPH, EDB, & Lead.

The results of these analyses are presented in **Appendix M** and are summarized in **Table 10**.

9.2 Quality Control Measures

The standard procedures used for soil and groundwater sample collection are presented in **Appendix E**. The date and time the samples were collected and submitted to the laboratory can be found on the chain of custody forms presented at the end of each laboratory report. The final groundwater sampling included a trip blank for quality assurance. No field or equipment blank samples were collected for quality control measures.

For the Brownfields Program, the soil samples collected from the loading rack included one duplicate sample (LR Center).

9.3 Groundwater Analytical Results

The groundwater analytical results for the site showed a reduction of the soil and groundwater concentrations in comparison to the pre-excavation results. The presence of benzene in MW-1 and MW-5 were the primary concerns for the groundwater at the site. The groundwater results in the perimeter wells MW-2, MW-3, MW-4, and MW-6, were generally very low concentrations for all petroleum contaminants, some above the 2L groundwater standards and all well below the Gross Contaminant Levels (GCLs). The groundwater analytical results are summarized in **Table 10**. After the UST Area excavations, MW-1A and MW-5A were drilled in the excavation. The locations of the wells are shown on **Figure 10** along with the most recent groundwater concentrations in the four remaining groundwater monitoring wells.

The groundwater results in the area of MW-5 show that concentrations after the soil excavation are greatly reduced and show benzene and other concentrations well below the GCLs. The groundwater results indicate that soil remediation was successful in this area. In addition, the perimeter monitoring wells (MW-3, MW-4, and MW-6) show very low levels of petroleum compounds indicating that the only well of concern is MW-1A.

The area of the former pump islands where MW-1A was installed still shows petroleum contamination. The soils in this area that were removed were still contaminated on the northern wall of the excavation. The remaining soil contamination on the right of way is a continuing source of groundwater contamination. Unfortunately this off-site secondary source appears to be contributing petroleum hydrocarbons to groundwater in the area of MW-1A.

At present, the concentration of benzene and EDB are above the GCLs in MW-1A. As previously stated, Pyramid placed 660 pounds of oxygen release compounds in the UST excavation to help stimulate bioremediation of the remaining petroleum hydrocarbons over time. The natural attenuation process may take some time and continued groundwater monitoring may be required to move the site toward regulatory incident closure. Additional steps such as intermittent groundwater withdrawals using vacuum trucks or MMPE events can be considered if needed to more quickly move the site toward regulatory closure.

Future development will include a new bus lane which will take approximately 12 to 14 feet of the northernmost portion of the property. This change may affect MW-1A which may have to be abandoned during lane construction. If necessary, a new well would be installed to monitor groundwater in the area. This is the only area of concern, and will be the only well planned for natural attenuation monitoring in the future. All of the other monitoring wells will fall either within the right of way or inside the building footprint, and will be abandoned.

10.0 IAAR Conclusions

As requested by Main Street Properties of Chapel Hill, LLC, Pyramid Environmental supervised the Initial Abatement Actions for the previously removed UST systems at the former Don Christian Property. The former gasoline UST systems were removed in 1989 with no soil cleanup of assessment completed. The recent IAA cleanup activities were completed in accordance with the DENR UST Section and NC Brownfields Programs requirements. The following is a summary of the recent site remediation activities.

- The subject site was a former bulk fuel facility and gasoline station.
- The USTs associated with the site were located in the northern half of the property associated with the former gasoline station. The gasoline facility had two pump islands one of which was located at the NC DOT right of way.
- The USTs were removed in 1989 without completing initial abatement actions.
- The Aboveground Storage Tanks (ASTs) were all located to the south of the gasoline station and the ASTs were removed in 2003.

- The area surrounding the Don Christian Site has municipal water service to all residents and businesses. The receptor survey showed that no active water supply wells are located within 1000 feet of the site and no irrigation wells are located within 250 feet of the site.
- There are no residential properties adjacent to the site and the property use is designated as commercial use. The property will not be used for residential use.
- The initial groundwater sampling completed in May 2013, showed high levels of petroleum contamination in groundwater, and MW-1 was above GCLs. The primary excavation was completed in the area of the former pump island and the former western UST area. The steel lines from the pump island to the tanks were also removed and the entire area showed significant soil contamination. A total of 931.85 tons of petroleum contaminated soil was removed from the UST Area.
- Risk-based soil samples were collected at the perimeter of the excavation at a depth of 7 feet which is the ambient water level. These risk-based samples showed that the excavation was successful in removing on-site contamination; however, soil contamination remains on the right of way.
- The main UST Area excavation was backfilled and compacted with soil density testing which showed compaction of more than 95 % of a standard proctor in the excavation.
- UST cleanup work continued with the removal of an orphaned Waste Oil UST. The removal of the leaking waste oil UST showed a broad area of oily gravel and water associated with this UST which was removed prior to collecting risk-based soil samples. A total of 265.57 tons of petroleum contaminated soil was removed in the waste oil area.
- For the Waste Oil UST, risk-based soil samples were collected at the perimeter of the excavation at a depth above the ambient water level. These risk-based samples showed that the excavation was successful in removing petroleum contamination in the waste oil area to below residential standards.
- Hydraulic Lift Removals (Lift 1 and Lift 2) were removed and are considered USTs. The hydraulic lifts each had released petroleum into the soil and excavations around each lift which continued for approximately 10 feet in every direction. Approximately 305.54 tons of petroleum contaminated soil was removed from around the hydraulic lift to a depth of approximately 10.5 to 13 feet.
- For the Hydraulic Lift USTs, risk-based soil samples were collected at the perimeter of the excavation at a depth of 7-8 feet which is above the ambient water level. These risk-based samples showed that the excavation was successful in removing petroleum contamination in the hydraulic lift area to below residential standards.
- After completing backfilling and compaction in the waste oil and hydraulic lift areas, the focus shifted from UST issues to the AST area on the southern half of the property.
- The first AST area of excavation was to remove the sidewalk and stockpile the clean fill beneath the sidewalk for later use. Once these activities were finished, several test pits

were opened and screened with field instrumentation to guide the excavation of petroleum contaminated soils. The investigations found four large circular foundations which needed to be removed prior to excavation of contaminated soils. The contractor broke the concrete and removed the foundations.

- The former AST Area along the Cat's Cradle building was excavated to a depth of 6 feet and petroleum contaminated soils were removed for off-site disposal. This area was specifically excavated in preparation of an electrical duct bank installation. After the excavations were completed, soil analyses at the bottom of the sidewalls of the excavations were collected and analyzed using EPA 8260 and EPA 8270 soil methods. The analytical results for the duct bank soils were below the UST Section and IHSB residential and commercial/industrial standards for all samples analyzed.
- Groundwater was not encountered in the AST area excavations.
- The former AST Loading Rack Area was also excavated to a depth of 8 feet in the center of the area, and petroleum contaminated soils were removed for off-site disposal. The post excavation soil analytical results for the loading rack were below the residential and commercial/industrial PSRGs for all post-excavation samples analyzed.
- After completion of the petroleum contaminated soil excavations, the contractor graded the area to fill all excavated areas and provide a smoother appearance. The building contractor will be responsible for grading the site for construction. The temporary fencing was removed in preparation for the next contractor and the construction of the new building.

Based on the soil removal activities completed at the site, there were no remaining soil contaminants detected above residential or commercial soil standards above the water table. Based on these findings, the soil cleanup activities were successful and construction of the commercial building should proceed.

The results of the soil excavation projects have made the site ready for the construction of the commercial building. This building will begin construction in September 2013 with completion of the three story building anticipated in October 2014.

11.0 Recommendations

Based on the soil removal activities completed at the site, there were no remaining soil contaminants detected above residential or commercial soil standards above the water table. Based on these findings, the soil cleanup activities were successful and construction of the commercial building should proceed.

Groundwater contamination remains in a very limited area near MW-1A. The recommended assessment work is to provide groundwater monitoring of MW-1A to assess concentrations over time and observe natural attenuation. The monitored natural attenuation would be for MW-1 only since the remaining site area will be constructed into a building. The area of MW-1A may also be affected by construction of the Bus Lane. If necessary, MW-1A can be abandoned and drilled further south to continue the natural attenuation monitoring.

No additional groundwater remediation is planned for the site. The recommended natural attenuation monitoring is only for MW-1A. All other monitoring wells will be abandoned in 2013 in preparation for the building construction.

A pre-approval for the natural attenuation monitoring will be completed and submitted to the DENR UST Section under separate cover.

The observations, conclusions and recommendations documented in this report are based on site conditions and information reviewed at the time of Pyramid's investigation. Pyramid Environmental & Engineering, P.C., appreciates the opportunity to provide this service.

12.0 Signature of PE or Licensed Geologist

[√] **Licensed Geologist -- License #1168**

Brett S. Higgins
Project Manager

Michael G. Jones, L.G.
Operations Manager

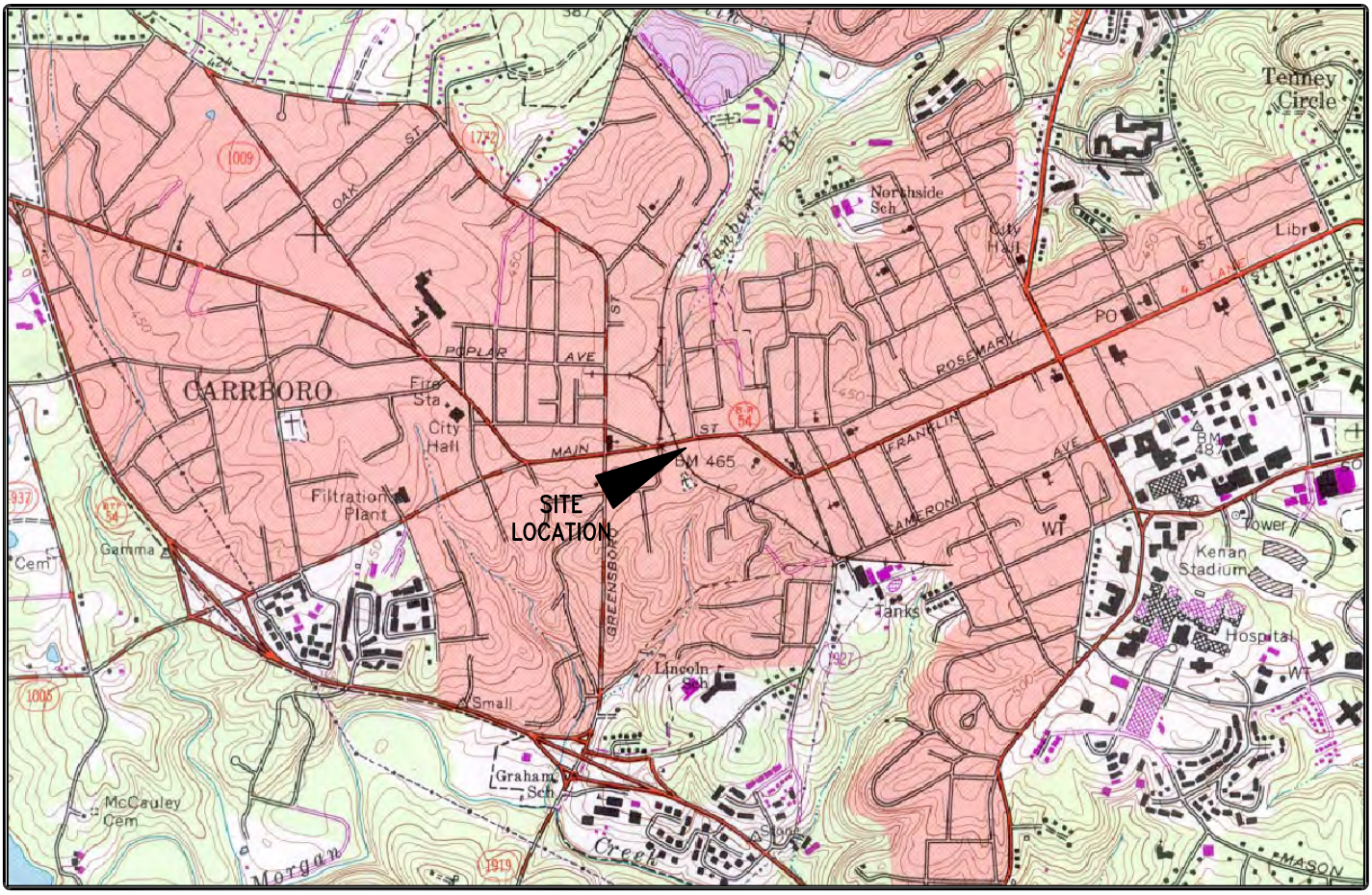
NORTH CAROLINA LICENSED SEAL 1168 GEOLOGIST MICHAEL GALIK JONES 9/19/13

FIGURES

USGS TOPOGRAPHIC MAP

SITE: 206 E. MAIN ST.

LOCATION: CARRBORO, NORTH CAROLINA



USGS IDENTIFICATION

USGS 7.5 MINUTE MAP	CHAPEL HILL, N.C.
ORIGINAL DATE:	1978
PHOTOREVISION DATE:	1981
	PRIMARY HIGHWAY, HARD SURFACE
	SECONDARY HIGHWAY, HARD SURFACE
	LIGHT-DUTY ROAD HARD OR IMPROVED SURFACE
	UNIMPROVED ROAD
	STATE ROAD
	U.S. ROUTE
	INTERSTATE ROUTE

SCALES

MILES: 1/2 0 1

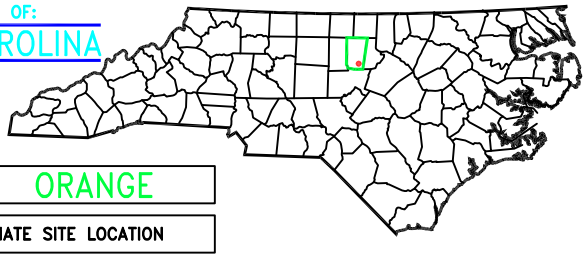
FEET: 1000 0 2000 4000 6000

1" = 2000'

NOTES:
- TOPOGRAPHICAL CONTOUR INTERVAL = 10 FEET
- PHOTOREVISIONS DENOTED IN PURPLE

MAGNETIC NORTH

COUNTY MAP OF: NORTH CAROLINA



COUNTY: ORANGE

APPROXIMATE SITE LOCATION

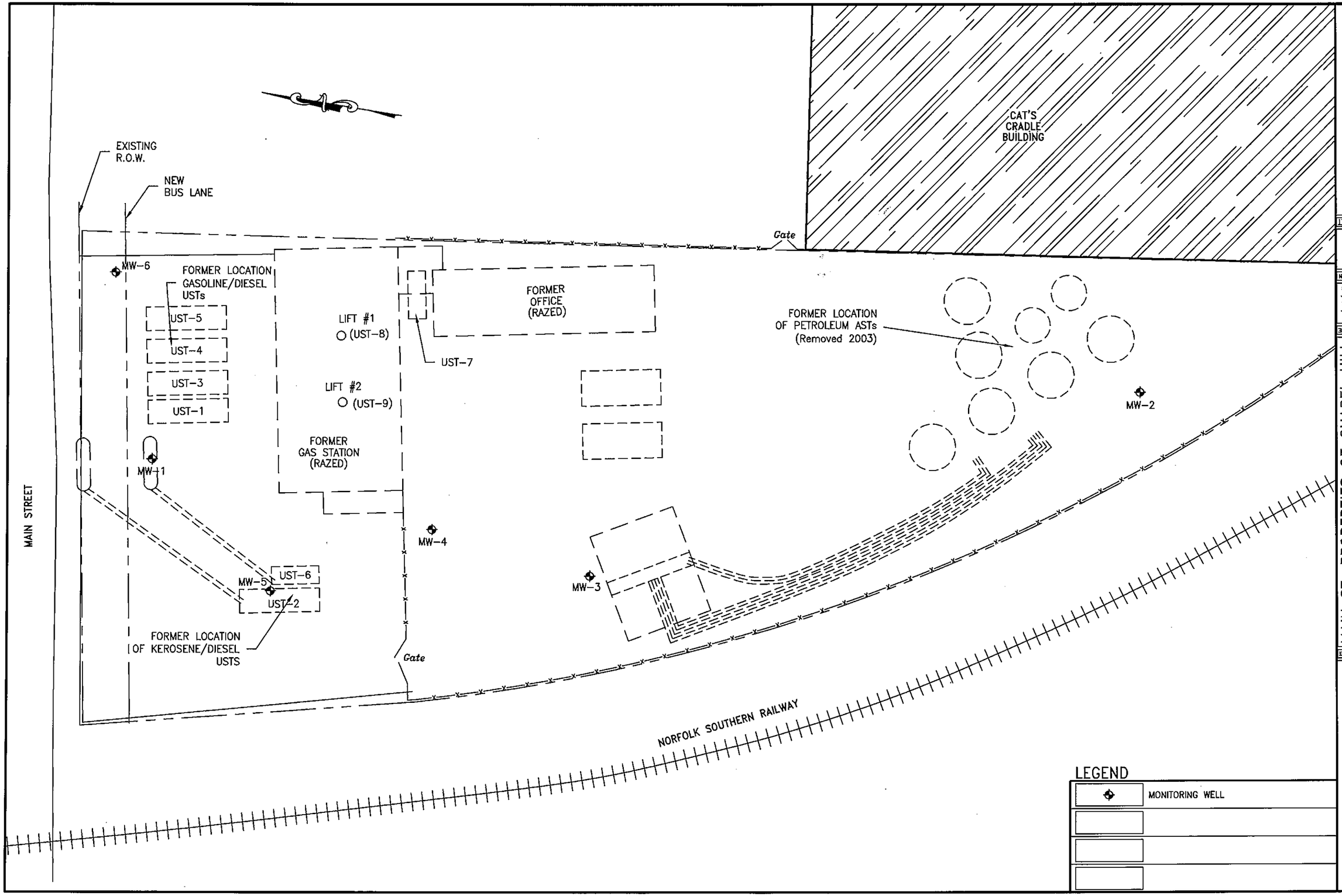
PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

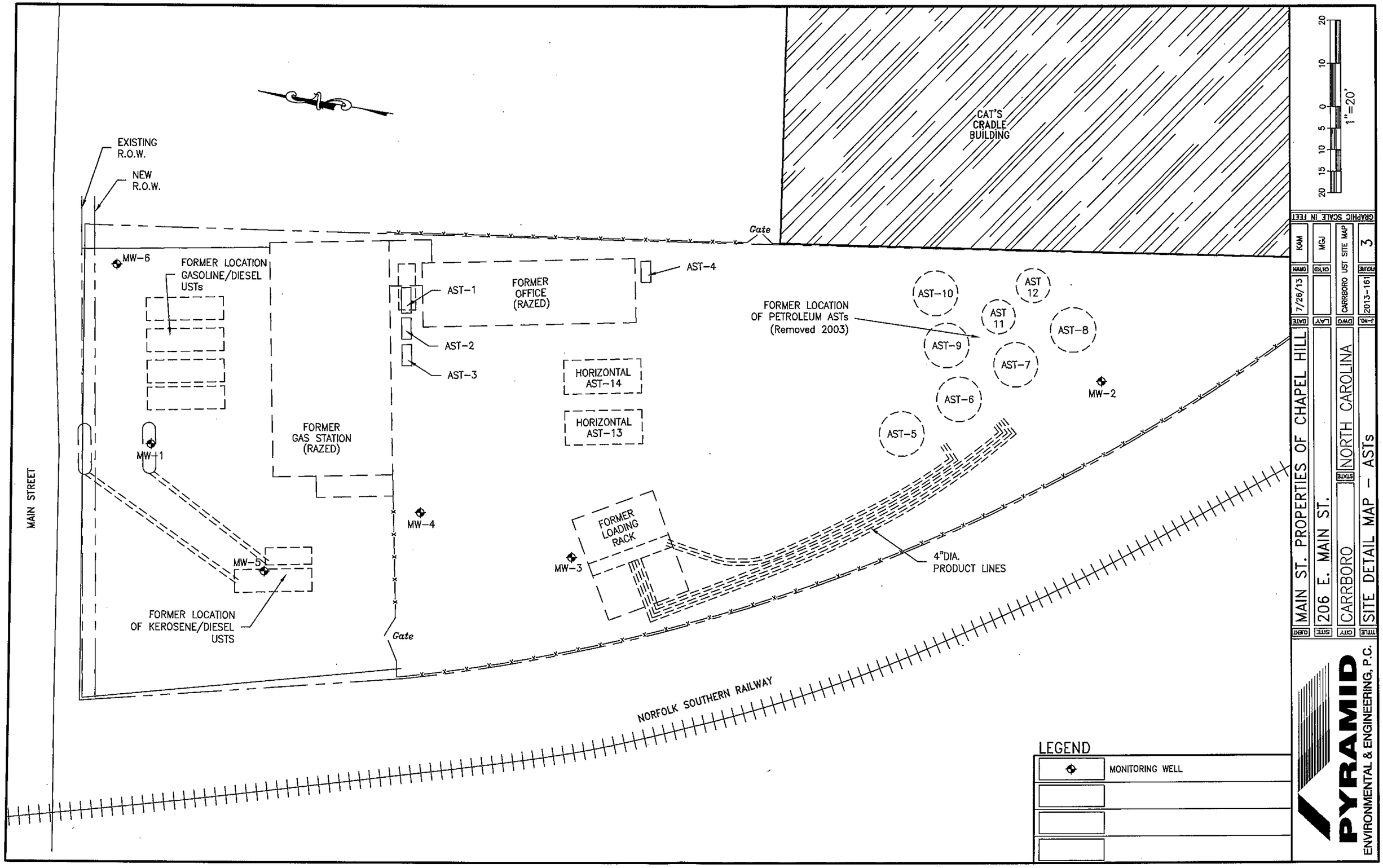
CLIENT:	MAIN ST. PROP. OF CHAPEL HILL
PROPERTY NAME:	206 E. MAIN ST.
CITY:	CARRBORO
STATE:	NORTH CAROLINA
TITLE:	TOPOGRAPHIC MAP
SCALE:	1"=2000'
DATE:	9/4/13
DRAWING NAME:	USGSTOPO
DRAWN BY:	KAM
CHECK BY:	MGJ
JOB NO.:	2013-161
TYPE:	UST CLOSURE
FIGURE NUMBER:	1

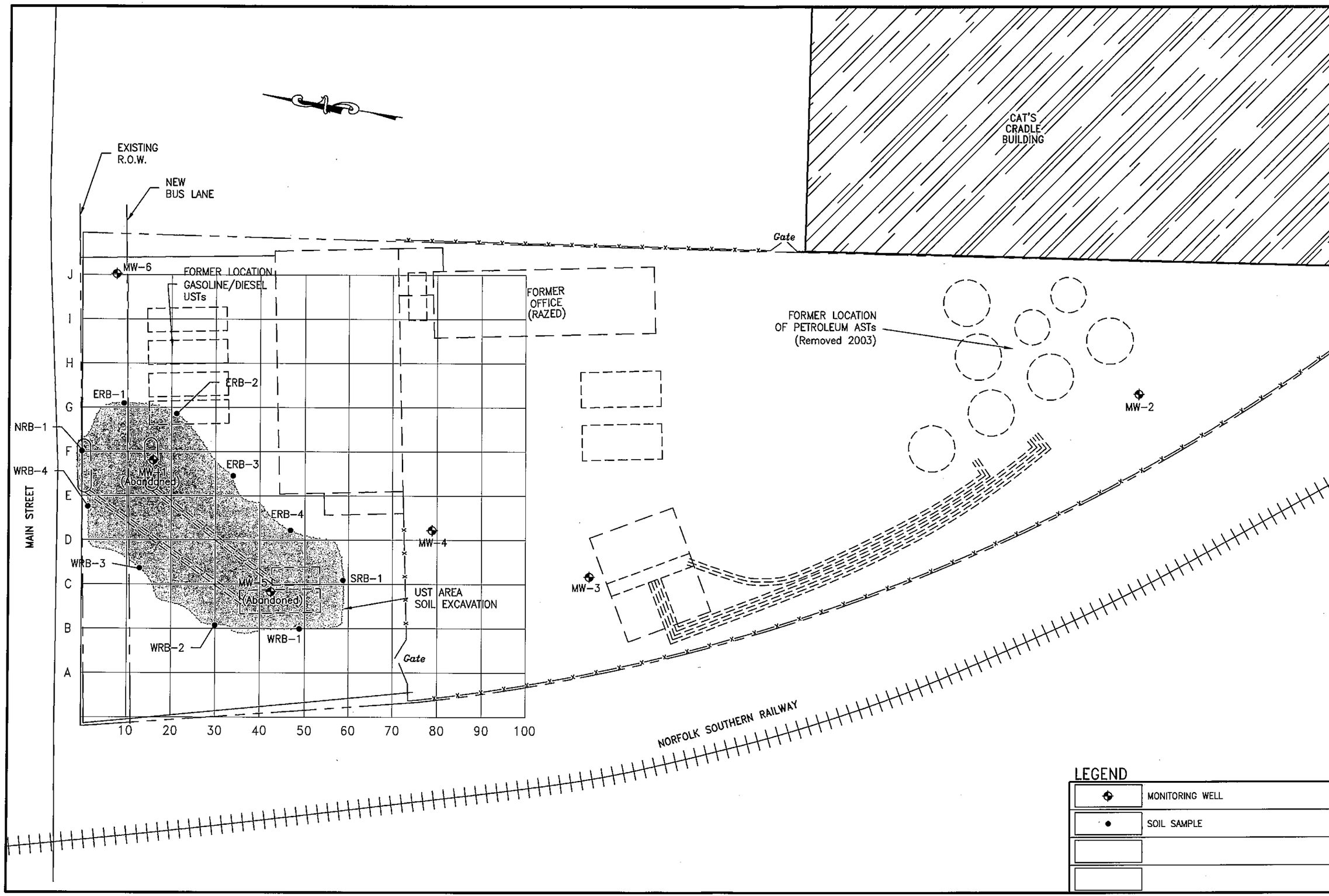
NOTES

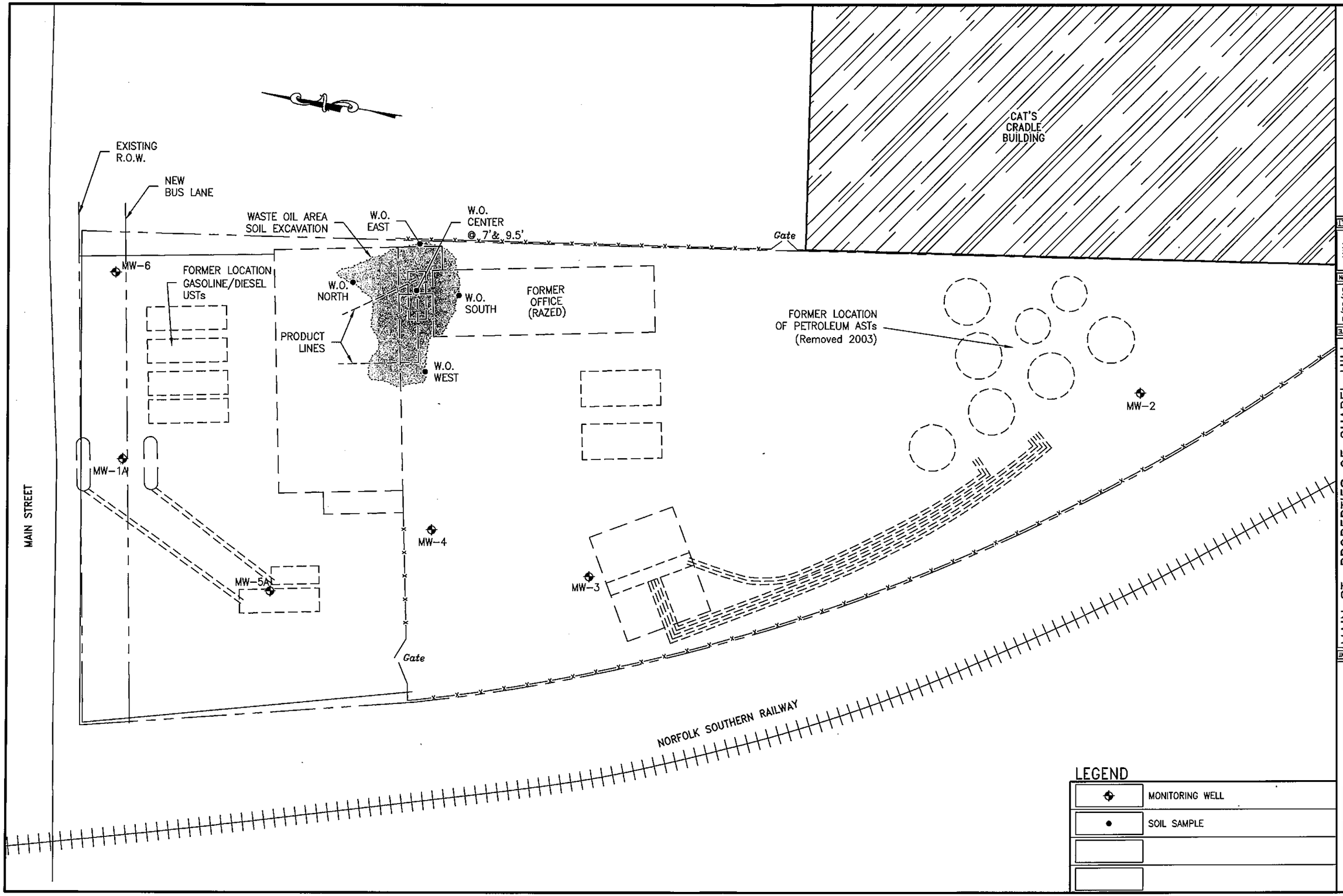
TOPOGRAPHIC MAP USED IN THIS GRAPHIC IS MAPPED, EDITED, AND PUBLISHED BY THE UNITED STATES GEOLOGIC SURVEY, DEPARTMENT OF THE INTERIOR, RESTON VIRGINIA.

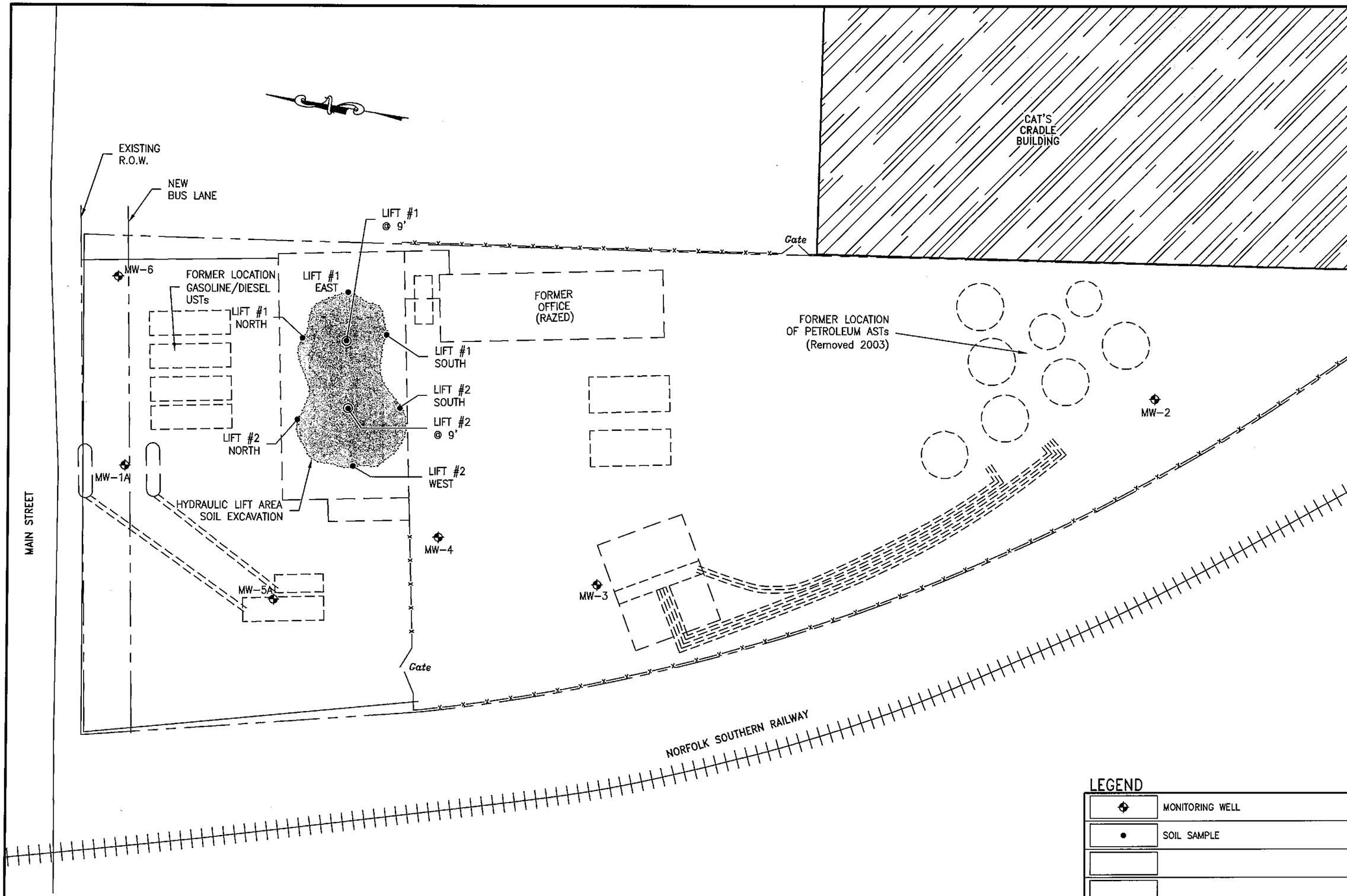
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS.

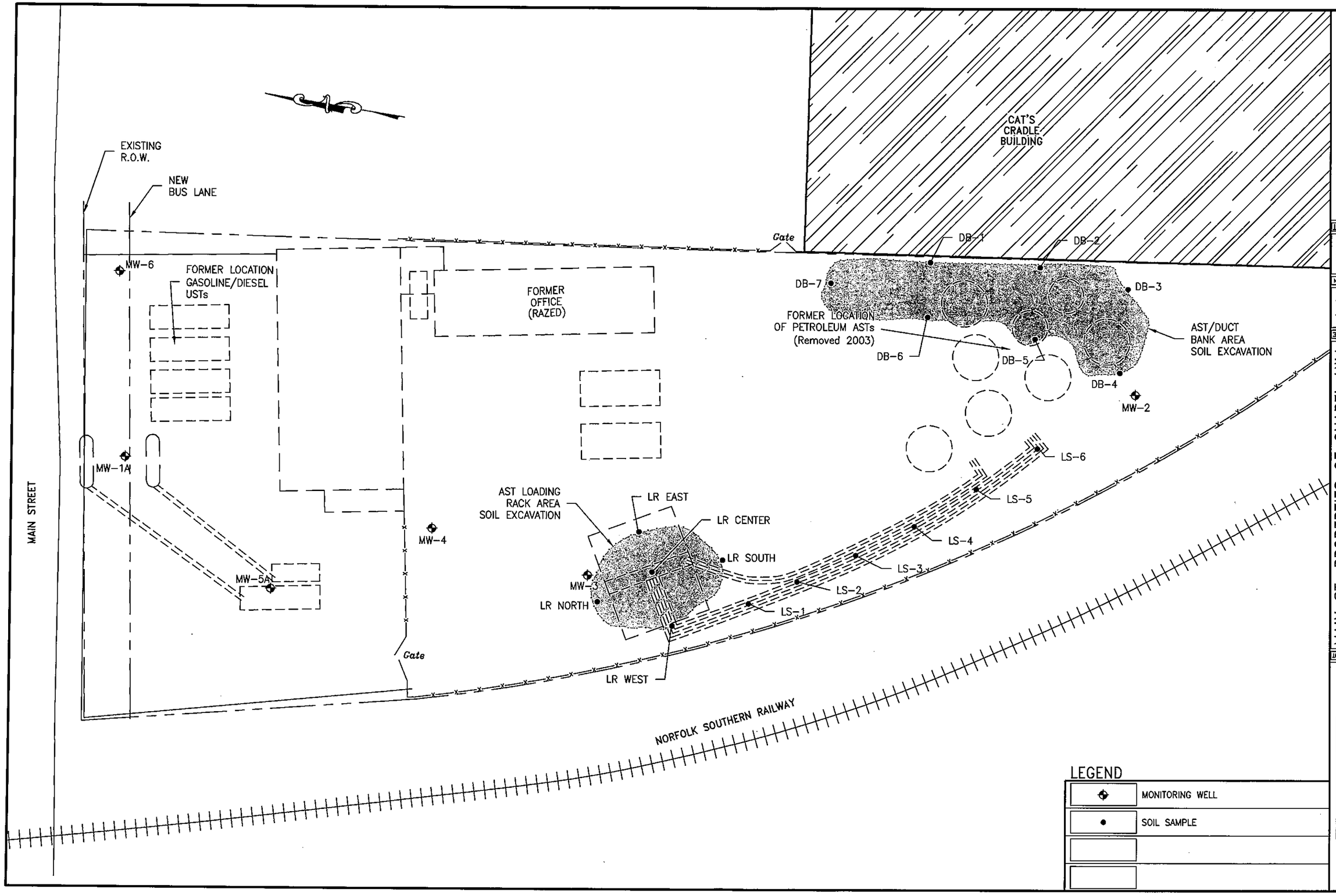

EXISTING R.O.W.
NEW BUS LANE
MAIN STREET
MW-6
FORMER LOCATION GASOLINE/DIESEL USTs
UST-5
UST-4
UST-3
UST-1
LIFT #1
(UST-8)
UST-7
LIFT #2
(UST-9)
FORMER GAS STATION (RAZED)
FORMER OFFICE (RAZED)
MW-1
MW-4
MW-5
UST-6
UST-2
FORMER LOCATION OF KEROSENE/DIESEL USTS
Gate
Gate
MW-3
FORMER LOCATION OF PETROLEUM ASTs (Removed 2003)
MW-2
CAT'S CRADLE BUILDING
NORFOLK SOUTHERN RAILWAY
LEGEND
MONITORING WELL
GRAPHIC SCALE IN FEET
1"=20'
20 10 0 5 10 15 20
KAM
MGJ
7/26/13
CARRBORO UST SITE MAP
2
2013-161
MAIN ST. PROPERTIES OF CHAPEL HILL
206 E. MAIN ST.
CARRBORO
NORTH CAROLINA
SITE DETAIL MAP - USTs
PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

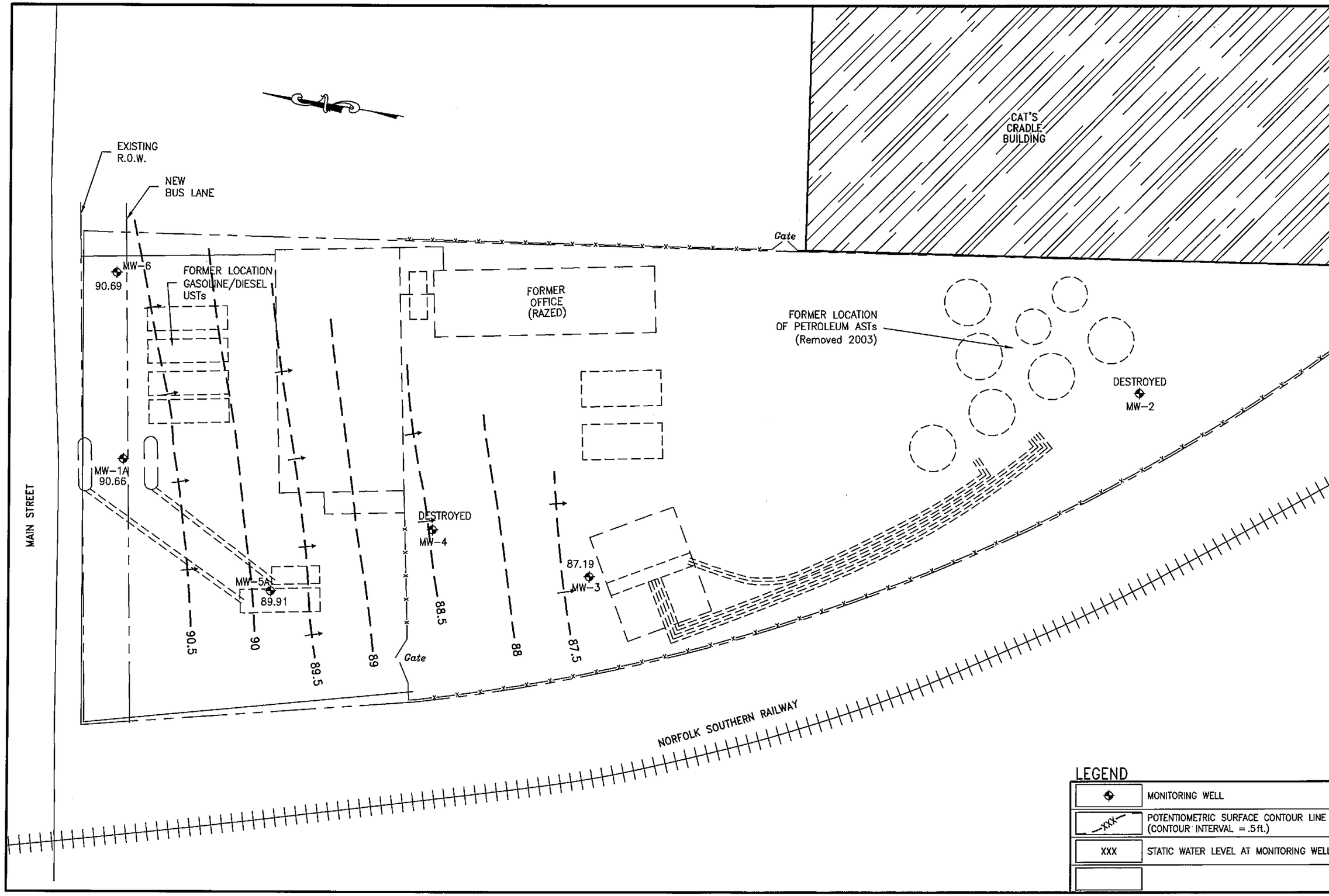

EXISTING R.O.W.
NEW R.O.W.
MAIN STREET
MW-6
FORMER LOCATION GASOLINE/DIESEL USTs
FORMER GAS STATION (RAZED)
MW-1
MW-5
FORMER LOCATION OF KEROSENE/DIESEL USTS
MW-4
Gate
AST-1
AST-2
AST-3
FORMER OFFICE (RAZED)
AST-4
HORIZONTAL AST-14
HORIZONTAL AST-13
FORMER LOADING RACK
MW-3
Gate
CAT'S CRADLE BUILDING
FORMER LOCATION OF PETROLEUM ASTs (Removed 2003)
AST-10
AST 12
AST 11
AST-8
AST-9
AST-7
AST-6
AST-5
MW-2
4"DIA. PRODUCT LINES
NORFOLK SOUTHERN RAILWAY
LEGEND
MONITORING WELL
GRAPHIC SCALE IN FEET
20 10 0 5 10 15 20
1"=20'
KAM
MGJ
7/26/13
CARRBORO UST SITE MAP
3
2013-161
MAIN ST. PROPERTIES OF CHAPEL HILL
206 E. MAIN ST.
CARRBORO
NORTH CAROLINA
SITE DETAIL MAP – ASTs
PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

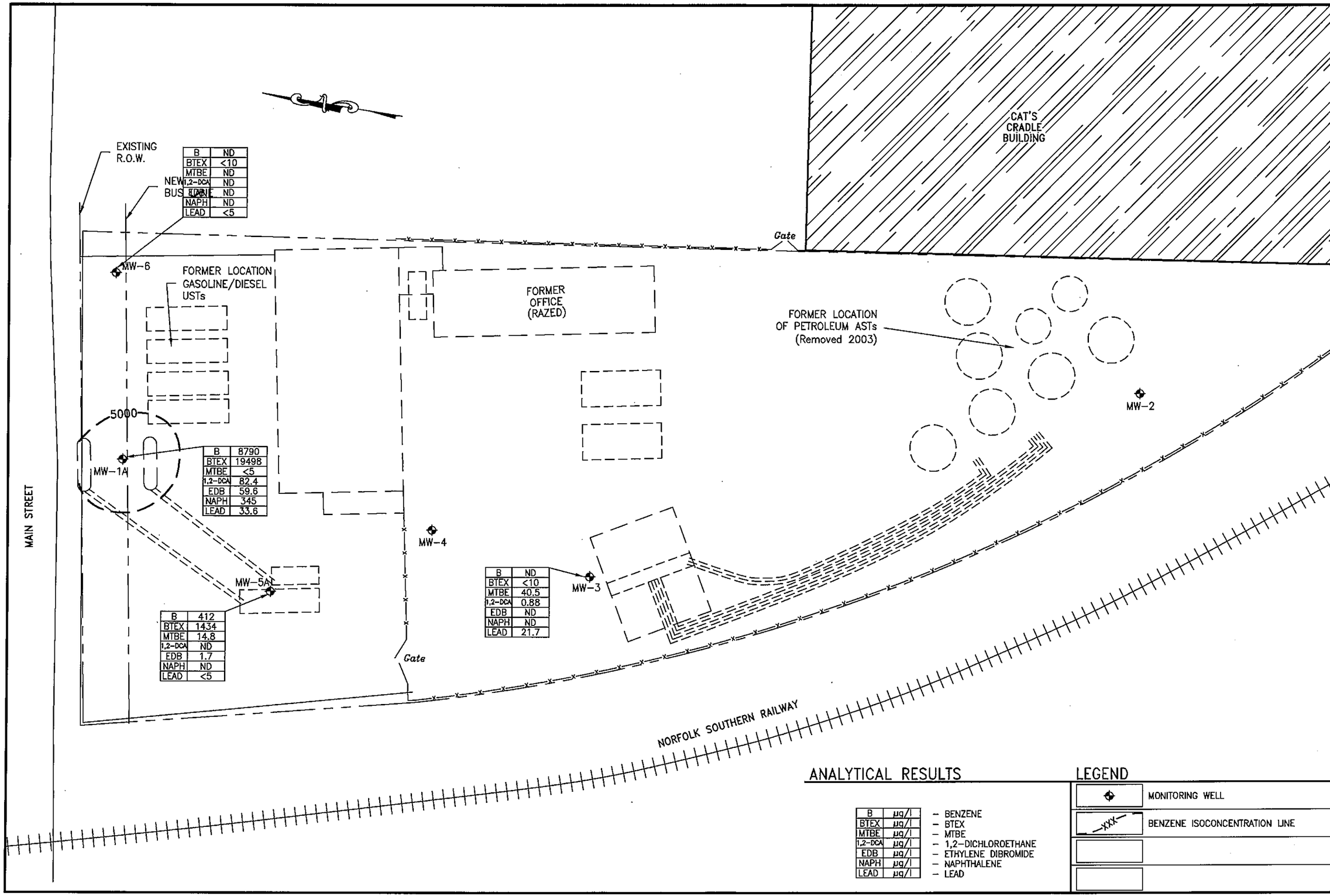

EXISTING R.O.W.
NEW BUS LANE
MAIN STREET
CAT'S CRADLE BUILDING
Gate
MW-6
FORMER LOCATION GASOLINE/DIESEL USTs
FORMER OFFICE (RAZED)
FORMER LOCATION OF PETROLEUM ASTs (Removed 2003)
MW-2
ERB-1
ERB-2
ERB-3
ERB-4
NRB-1
WRB-4
WRB-3
WRB-2
WRB-1
SRB-1
MW-1 (Abandoned)
MW-5 (Abandoned)
MW-4
MW-3
UST AREA SOIL EXCAVATION
NORFOLK SOUTHERN RAILWAY
J
I
H
G
F
E
D
C
B
A
10
20
30
40
50
60
70
80
90
100
LEGEND
MONITORING WELL
SOIL SAMPLE
GRAPHIC SCALE IN FEET
1"=20'
20
10
0
5
10
15
20
KAM
MGJ
7/26/13
CARRBORO UST SITE MAP
4
2013-161
MAIN ST. PROPERTIES OF CHAPEL HILL
206 E. MAIN ST.
CARRBORO
NORTH CAROLINA
UST AREA EXCAVATION MAP
PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.


EXISTING R.O.W.
NEW BUS LANE
WASTE OIL AREA SOIL EXCAVATION
W.O. EAST
W.O. CENTER @ 7' & 9.5'
Gate
CAT'S CRADLE BUILDING
MW-6
FORMER LOCATION GASOLINE/DIESEL USTs
W.O. NORTH
W.O. SOUTH
FORMER OFFICE (RAZED)
PRODUCT LINES
W.O. WEST
FORMER LOCATION OF PETROLEUM ASTs (Removed 2003)
MW-2
MW-1A
MAIN STREET
MW-4
MW-5A
MW-3
Gate
NORFOLK SOUTHERN RAILWAY
LEGEND
MONITORING WELL
SOIL SAMPLE
1"=20'
GRAPHIC SCALE IN FEET
KAM
MGJ
7/26/13
CARRBORO UST SITE MAP
5
2013-161
MAIN ST. PROPERTIES OF CHAPEL HILL
206 E. MAIN ST.
CARRBORO
NORTH CAROLINA
WASTE OIL EXCAVATION MAP
PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.


EXISTING R.O.W.
NEW BUS LANE
MAIN STREET
MW-6
FORMER LOCATION GASOLINE/DIESEL USTs
LIFT #1 NORTH
LIFT #1 EAST
LIFT #1 @ 9'
LIFT #1 SOUTH
LIFT #2 SOUTH
LIFT #2 @ 9'
LIFT #2 NORTH
LIFT #2 WEST
MW-1A
HYDRAULIC LIFT AREA SOIL EXCAVATION
MW-4
MW-5A
MW-3
MW-2
FORMER OFFICE (RAZED)
CAT'S CRADLE BUILDING
FORMER LOCATION OF PETROLEUM ASTs (Removed 2003)
Gate
Gate
NORFOLK SOUTHERN RAILWAY
LEGEND
MONITORING WELL
SOIL SAMPLE
GRAPHIC SCALE IN FEET
1"=20'
20 10 0 5 10 15 20
KAM
MGJ
DRAWN
CHKD
7/26/13
2013-161
DATE
LAY
DWG
J-NO.
CARRBORO UST SITE MAP
6
FIGURE
MAIN ST. PROPERTIES OF CHAPEL HILL
CLIENT
206 E. MAIN ST.
SITE
CARRBORO
CITY
NORTH CAROLINA
STATE
LIFT AREA EXCAVATION MAP
TITLE
PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.


EXISTING R.O.W.
NEW BUS LANE
MAIN STREET
MW-6
FORMER LOCATION GASOLINE/DIESEL USTs
MW-1A
MW-5A
FORMER OFFICE (RAZED)
MW-4
Gate
Gate
CAT'S CRADLE BUILDING
DB-1
DB-2
DB-3
DB-4
DB-5
DB-6
DB-7
FORMER LOCATION OF PETROLEUM ASTs (Removed 2003)
AST/DUCT BANK AREA SOIL EXCAVATION
MW-2
LS-1
LS-2
LS-3
LS-4
LS-5
LS-6
AST LOADING RACK AREA SOIL EXCAVATION
LR EAST
LR CENTER
LR SOUTH
LR NORTH
LR WEST
MW-3
NORFOLK SOUTHERN RAILWAY
LEGEND
MONITORING WELL
SOIL SAMPLE
1"=20'
GRAPHIC SCALE IN FEET
KAM
MGJ
CARRBORO UST SITE MAP
7
7/26/13
2013-161
MAIN ST. PROPERTIES OF CHAPEL HILL
206 E. MAIN ST.
CARRBORO
NORTH CAROLINA
AST AREA EXCAVATION MAP
PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.


EXISTING R.O.W.
NEW BUS LANE
MAIN STREET
MW-6
90.69
FORMER LOCATION GASOLINE/DIESEL USTs
FORMER OFFICE (RAZED)
CAT'S CRADLE BUILDING
Gate
FORMER LOCATION OF PETROLEUM ASTs (Removed 2003)
DESTROYED
MW-2
MW-1A
90.66
DESTROYED
MW-4
MW-5A
89.91
87.19
MW-3
90.5
90
89.5
89
88.5
88
87.5
Gate
NORFOLK SOUTHERN RAILWAY
LEGEND
MONITORING WELL
POTENTIOMETRIC SURFACE CONTOUR LINE (CONTOUR INTERVAL = .5ft.)
XXX
STATIC WATER LEVEL AT MONITORING WELL
GRAPHIC SCALE IN FEET
1"=20'
20 10 0 5 10 15 20
KAM
MGJ
7/26/13
CARRBORO UST SITE MAP
2013-161
8
MAIN ST. PROPERTIES OF CHAPEL HILL
206 E. MAIN ST.
CARRBORO
NORTH CAROLINA
POTENTIOMETRIC SURFACE MAP (7/30/13)
PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.


EXISTING R.O.W.
NEW BUS
MAIN STREET
MW-6
FORMER LOCATION GASOLINE/DIESEL USTs
5000
MW-1A
MW-5A
MW-4
MW-3
MW-2
FORMER OFFICE (RAZED)
FORMER LOCATION OF PETROLEUM ASTs (Removed 2003)
CAT'S CRADLE BUILDING
Gate
Gate
NORFOLK SOUTHERN RAILWAY
1"=20'
GRAPHIC SCALE IN FEET
B ND
BTEX <10
MTBE ND
1,2-DCA ND
EDB ND
NAPH ND
LEAD <5
B 8790
BTEX 19498
MTBE <5
1,2-DCA 82.4
EDB 59.6
NAPH 345
LEAD 33.6
B 412
BTEX 1434
MTBE 14.8
1,2-DCA ND
EDB 1.7
NAPH ND
LEAD <5
B ND
BTEX <10
MTBE 40.5
1,2-DCA 0.88
EDB ND
NAPH ND
LEAD 21.7
ANALYTICAL RESULTS
B µg/l – BENZENE
BTEX µg/l – BTEX
MTBE µg/l – MTBE
1,2-DCA µg/l – 1,2-DICHLOROETHANE
EDB µg/l – ETHYLENE DIBROMIDE
NAPH µg/l – NAPHTHALENE
LEAD µg/l – LEAD
LEGEND
MONITORING WELL
BENZENE ISOCONCENTRATION LINE
PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.
MAIN ST. PROPERTIES OF CHAPEL HILL
206 E. MAIN ST.
CARRBORO
NORTH CAROLINA
BENZENE ISOCONCENTRATION MAP (8/29/13)
7/26/13
KAM
MGJ
CARRBORO UST SITE MAP
2013-161
9

TABLES

Table 1
UST & AST Information

Main Street Properties of Chapel Hill, LLC
Former Don Christian Property 206 E. Main Street, Carrboro, NC

DENR UST Incident # 26797 DENR UST Permit # 00-026870

TANK NUMBER	Material Contained	Tank Size (Gallons)	Material of Constr.	Dates of Operation (Approximate)	Removal Dates (Approximate)
UST-1	*diesel*	3,000	SW Steel	1980-1989	11/18/1989
UST-2	*kerosene*	3,000	SW Steel	1970-1989	11/18/1989
UST-3	*diesel*	3,000	SW Steel	1980-1989	11/18/1989
UST-4	*diesel*	3,000	SW Steel	1980-1989	11/18/1989
UST-5	*gasoline*	3,000	SW Steel	1970-1989	11/18/1989
UST-6	*diesel*	3,000	SW Steel	1970-1989	11/18/1989
UST-7	*waste oil*	550	SW Steel	Unknown	7/30/2013
UST-8 (Lift #1)	*hydraulic oil*	65	SW Steel	Unknown	7/30/2013
UST-9 (Lift #2)	*hydraulic oil*	65	SW Steel	Unknown	7/30/2013
	The Locations of the USTs are shown on Figure 2				
AST-1	*waste oil*	650	SW Steel	Unknown	7/15/2013
AST-2	heating oil	275	SW Steel	Unknown	7/15/2013
AST-3	heating oil	275	SW Steel	Unknown	7/15/2013
AST-4	heating oil	275	SW Steel	Unknown	7/15/2013
AST-5	heating oil	16,000	SW Steel	Unknown	2003
AST-6	heating oil	16,000	SW Steel	Unknown	2003
AST-7	kerosene	16,000	SW Steel	Unknown	2003
AST-8	kerosene	16,000	SW Steel	Unknown	2003
AST-9	gasoline	20,000	SW Steel	Unknown	2003
AST-10	diesel	20,000	SW Steel	Unknown	2003
AST-11	gasoline	6,000	SW Steel	Unknown	2003
AST-12	Empty	6,000	SW Steel	Unknown	2003
AST-13	Unknown	~ 8,000	SW Steel	~ 1940's - 1970	Before 1970
AST-14	Unknown	~ 8,000	SW Steel	~ 1940's - 1970	Before 1970
	The Locations of the ASTs are shown on Figure 3				

SW = Single Walled Tank

****Note* This Table is a Summary of 2004 data and 2013 Data***

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

Table 2

(Page 1 of 3)

UST Area - Soil Screening Results

Main Street Properties of Chapel Hill, LLC
former Don Christian Property 206 E. Main Street, Carrboro, NC
DENR UST Incident # 26797

Screening Date	Field Sceening Letter and (feet)	Depth Below Land Surface (feet)	OVA Screening Reading (ppm)	Comments
07-18-2013	**E.75 + 12 feet**	1 foot	> 1000	This is the location of MW-1 Area removed to 18 feet
		3 feet	> 1000	
	(MW-1)	8 feet	> 1000	
	Location	13 feet	> 1000	
		17 feet	> 1000	
		18 Feet	400	
07-18-2013	**F + 7 feet**	3 feet	> 1000	Area removed to 13 feet
		5 feet	> 1000	
		8 feet	> 1000	
		11 feet	> 1000	
07-18-2013	**F + 0 feet**	3 feet	> 1000	Excavation ended at The NCDOT ROW
		5 feet	> 1000	
		8 feet	> 1000	
07-18-2013	**F.6 + 1 feet**	3 feet	< 20	End of Excavation to the East
		5 feet	< 20	
07-18-2013	**F.8 + 7 feet**	3 feet	40 ppm	End of Excavation to the East
		5 feet	< 25 ppm	
07-18-2013	**F.8 + 22 feet**	3 feet	10 ppm	Edge of Excavation South of dispensers
		5 feet	< 15 ppm	
07-18-2013	**F + 45 feet**	2 feet	10 ppm	Edge of Excavation South of dispensers
		4 feet	25 ppm	
07-18-2013	**E + 2 feet**	3 feet	> 1000	Excavation ended at The NCDOT ROW
		6 feet	> 1000	
07-18-2013	**E + 10 feet**	3	> 1000	Area removed to 18 feet
		6	> 1000	
		9	> 1000	
		12 feet	> 1000	
		16 feet	> 1000	
		18	400 ppm	
07-18-2013	**E + 25 feet**	3	> 1000	Area removed to 16 feet
		6	> 1000	
		9	> 1000	
		11	> 1000	
		13 feet	> 1000	

Locations : Reference Figure 4.

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

Table 2

(Page 2 of 3)

UST Area - Soil Screening Results

Main Street Properties of Chapel Hill, LLC
former Don Christian Property 206 E. Main Street, Carrboro, NC
DENR UST Incident # 26797

Screening Date	Field Sceening Letter and (feet)	Depth Below Land Surface (feet)	OVA Screening Reading (ppm)	Comments
07-18-2013	**E + 38 feet**	3	100 ppm	Stopped Digging to the East at E-38 feet
		6	200 ppm	
		8	120 ppm	
07-18-2013	**D + 2 feet**	3 feet	400 ppm	Excavation ended at The NCDOT ROW
		6 feet	< 100	
07-18-2013	**D + 10 feet**	2 feet	700 ppm	Excavation ended at 6 feet
		4 feet	400 ppm	
		6 feet	100 ppm	
07-18-2013	**D + 20 feet**	3 feet	> 1000	Excavation ended at 7 feet
		5 feet	> 1000	
		7 feet	100 ppm	
07-18-2013	**D + 30 feet**	3 feet	> 1000	Excavation ended at 9 feet
		5 feet	> 1000	
		8 feet	350 ppm	
07-18-2013	**D + 40 feet**	3 feet	> 1000	Excavation ended at 10 feet
		5 feet	> 1000	
		7 feet	> 1000	
		9 feet	300 ppm	
End of Day 07-18-2013				
07-19-2013	**C + 10 feet**	2 feet	400 ppm	Stopped Digging to the west along the road
		4 feet	100 ppm	
07-19-2013	**C + 20 feet**	2 feet	> 1000	Excavation ended at about 11 feet
		5 feet	> 1000	
		7 feet	700 ppm	
		9 feet	> 1000	
07-19-2013	**C + 30 feet**	3 feet	> 1000	Excavation ended at 14 feet
		6 feet	> 1000	
		8 feet	> 1000	
		10 feet	> 1000	
End of Day 07-19-2013				

Locations : Reference Figure 4.

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

Table 2

(Page 3 of 3)

UST Area - Soil Screening Results

Main Street Properties of Chapel Hill, LLC
former Don Christian Property 206 E. Main Street, Carrboro, NC
DENR UST Incident # 26797

Screening Date	Field Sceening Letter and (feet)	Depth Below Land Surface (feet)	OVA Screening Reading (ppm)	Comments
07-22-2013	**C + 40 feet**	2 feet	> 1000	Excavation ended at 14 feet
		4 feet	> 1000	
		7 feet	> 1000	
		12 feet	500 ppm	
07-22-2013	**C + 50 feet**	2 feet	> 1000	Excavation ended at 12 feet
		4 feet	> 1000	
		7 feet	> 1000	
		10 feet	300 ppm	
07-22-2013	**B + 30 feet**	2 feet	> 1000	Excavation ended at 12 feet
		4 feet	> 1000	
		7 feet	> 1000	
		10 feet	800 ppm	
07-22-2013	**B + 40 feet**	2 feet	> 1000	Excavation ended at 12 feet
		4 feet	> 1000	
		7 feet	> 1000	
		9 feet	> 1000	
07-22-2013	**B + 50 feet**	2 feet	> 1000	Excavation ended at 12 feet
		4 feet	> 1000	
		7 feet	> 1000	
		10 feet	> 1000	
		11 feet	800 ppm	
07-22-2013	**B + 57 feet**	2 feet	100 ppm	Excavation ended at 12 feet
		4 feet	< 20 ppm	
		8 feet	30 ppm	
Risk Based Samples Collected 07-22-2013				
	NRB-1	*7 feet*	*> 1000*	In Right of Way
	ERB-1	*7 feet*	*250 ppm*	On Site
	ERB-2	*7 feet*	*60 ppm*	
	ERB-3	*7 feet*	*70 ppm*	
	ERB-4	*7 feet*	*20 ppm*	
	SRB-1	*7 feet*	*20 ppm*	
	WRB-1	*7 feet*	*120 ppm*	
	WRB-2	*7 feet*	*110 ppm*	
	WRB-3	*7 feet*	*80 ppm*	
	WRB-4	*7 feet*	*700 ppm*	In Right of Way

Locations : Reference Figure 4.

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

TABLE 3

UST Area - Risk-Based Post Excavation Soil Analytical Results
Former Don Christian Property - UST Incident # 26797
206 East Main Street, Carrboro, NC

Analytical Parameter	Analytical Method	SAMPLE ID NUMBER										Residential MSCC (mg/kg)	Industrial / Commercial MSCC (mg/kg)
		NRB-1	WRB-1	WRB-2	WRB-3	WRB-4	SRB-1	ERB-1	ERB-2	ERB-3	ERB-4		
Sample Date:		7/22/2013	7/22/2013	7/22/2013	7/22/2013	7/22/2013	7/22/2013	7/22/2013	7/22/2013	7/22/2013	7/22/2013		
Sample Depth (feet):		7	7	7	7	7	7	7	7	7	7		
Results Units :		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		
Aliphatics C5-C8	VPH	643	5.9	ND	ND	295	ND	11.1	ND	ND	ND	939	24,528
Aliphatics C9-C12	VPH	1310	12.7	ND	ND	1490	ND	8.7	ND	ND	ND	NO MSCC	NO MSCC
C9-C18 Aliphatics	EPH	567	ND	ND	ND	393	ND	ND	ND	ND	ND	NO MSCC	NO MSCC
Sum of VPH & EPH		**1877**	ND	ND	ND	**1883**	ND	19.8	ND	ND	ND	1,500	40,000
C19-C36 Aliphatics	EPH	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	31,000	810,000
Aromatics C9-C10	VPH	429	ND	ND	ND	604	ND	ND	ND	ND	ND	NO MSCC	NO MSCC
C11-C22 Aromatics	EPH	103	ND	ND	ND	153	ND	ND	ND	ND	ND	NO MSCC	NO MSCC
Sum of EPH		**532**	ND	ND	ND	**757**	ND	ND	ND	ND	ND	469	12,264
Method 8260													
Benzene	8260	5.0	ND	0.05	0.012	0.28	ND	0.014	0.006	ND	ND	18	164
n-Butylbenzene	8260	8.7	ND	ND	ND	5.2	ND	0.025	ND	ND	ND	626	16,350
Ethylbenzene	8260	18.3	2.5	0.01	0.008	14.5	ND	0.072	ND	ND	ND	1560	40,000
isopropyl benzene	8260	5.1	ND	ND	ND	1.9	ND	0.018	ND	ND	ND	1564	40,880
Napathalene	8260	13.9	2.4	0.02	0.016	24.2	ND	0.024	0.006	ND	ND	313	8176
n-propylbenzene	8260	11.8	ND	ND	ND	9.7	ND	0.051	ND	ND	ND	626	16,350
Styrene	8260	2.4	ND	ND	ND	1.8	ND	ND	ND	ND	ND	3128	81,670
Toluene	8260	48.1	3.9	ND	ND	13.1	ND	0.049	ND	ND	ND	1200	32,000
1,2,4-Trimethylbenzene	8260	78.2	6.9	0.023	0.014	68.9	ND	0.187	0.007	ND	ND	782	20,440
1,3,5-Trimethylbenzene	8260	30.7	2.5	0.013	0.009	24.8	ND	0.092	ND	ND	ND	782	20,440
Total Xylenes	8260	127	13.2	ND	ND	90	ND	0.302	ND	ND	ND	3129	81,760
Method 8270													
Acenaphthene	8270	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	940	24,000
bis(2-Ethylhexyl)phthalate	8270	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	46	410
1-Methylnaphthalene	8270	3.2	ND	ND	ND	5.0	ND	ND	ND	ND	ND	NO MSCC	NO MSCC
2-Methylnaphthalene	8270	7.8	ND	ND	ND	12.8	ND	ND	ND	ND	ND	63	NO MSCC
Naphthalene	8270	11.4	ND	ND	ND	15.7	ND	ND	ND	ND	ND	313	8176
Gasoline Range Organics (GRO)	8015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO MSCC	NO MSCC
Diesel Range Organics (DRO)	8015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO MSCC	NO MSCC
FID/OVA Field Screening (ppm)	FID/OVA	>1000	80	60	55	> 900	35	250	60	70	20	NO MSCC	NO MSCC

mg/kg = parts per million (ppm).
BOLD values are above Residential MSCCs.
NS = Not Sampled for Parameter

MSCC = Maximum Soil Contaminant Concentrations
ND = Not Detected.
J = Estimated Concentration

NMSCC = No MSCC
NA = Not Applicable
CI = Considered Immobile

TABLE 4

Waste Oil Area - Risk-Based Post Excavation Laboratory Results
Former Don Christian Property - UST Incident # 26797
206 East Main Street, Carrboro, NC

Analytical Parameter	Analytical Method	W.O. UST	SAMPLE ID NUMBER						Residential MSCC (mg/kg)	Industrial / Commercial MSCC (mg/kg)
		(Removed)	W.O. East	W.O. South	W.O. Center	W.O. West	W.O. North	WO & Lift Area		
	Sample Date :	7/30/2013	7/30/2013	7/30/2013	7/30/2013	7/30/2013	7/30/2013	7/30/2013		
	Sample Depth in Feet :	7 Feet	7	8	9.5	8	8	**DS-5**		
	Results Units :	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		
C5-C8 Aliphatics	VPH	ND	ND	ND	ND	ND	ND	NA	939	24,528
C9-C12 Aliphatics	VPH	ND	ND	ND	ND	ND	ND	NA	No MSCC	No MSCC
C9-C18 Aliphatics	EPH	ND	ND	ND	ND	ND	ND	NA	No MSCC	No MSCC
Sum of VPH & EPH		ND	ND	ND	ND	ND	ND	NA	1500	40,000
C19-C36 Aliphatics	EPH	13000	ND	ND		ND	23.2	NA	31000	CI
C9-C10 Aromatics	VPH	ND	ND	ND	ND	ND	ND	NA	No MSCC	No MSCC
C11-C22 Aromatics	EPH	4230	ND	ND	ND	ND	ND	NA	No MSCC	No MSCC
Sum of VPH & EPH		**4230**	ND	ND	ND	ND	ND	NA	469	12,264
Benzene	8260	ND	ND	ND	ND	ND	ND	NA	18	164
n-Butylbenzene	8260	ND	ND	ND	ND	ND	ND	NA	626	16,350
Ethylbenzene	8260	ND	ND	ND	ND	ND	ND	NA	1560	40,000
1,2-Dichloroethane	8260	ND	ND	ND	ND	ND	ND	NA	110	1000
Isopropylbenzene	8260	ND	ND	ND	ND	ND	ND	NA	1564	40,880
Naphthalene	8260	ND	ND	ND	ND	ND	ND	NA	313	8176
n-Propylbenzene	8260	ND	ND	ND	ND	ND	ND	NA	626	16,350
Styrene	8260	ND	ND	ND	ND	ND	ND	NA	3128	91,670
Toluene	8260	ND	ND	ND	ND	ND	ND	NA	1200	32,000
1,2,4-Trimethylbenzene	8260	ND	ND	ND	ND	ND	ND	NA	782	20,440
1,3,5-Trimethylbenzene	8260	ND	ND	ND	ND	ND	ND	NA	782	20,440
Total Xylenes	8260	ND	ND	ND	ND	ND	ND	NA	3129	81,760
All Other 8260 Parameters	8260								NA	NA
Acenaphthene	8270	ND	ND	ND	ND	ND	ND	NA	940	24,000
bis(2-Ethylhexyl)phthalate	8270	ND	ND	ND	ND	ND	ND	NA	46	410
1-Methylnaphthalene	8270	ND	ND	ND	ND	ND	ND	NA	20	No MSCC
2-Methylnaphthalene	8270	ND	ND	ND	ND	ND	ND	NA	63	No MSCC
Naphthalene	8270	ND	ND	ND	ND	ND	ND	NA	313	8176
All Other 8270 Parameters	8270		ND	ND	ND	ND			NA	NA
Total Chromium (III)	6010	4.5	29.6	3.7	53.8	56.8	8.3	3.0	47	1226
Lead	6010	25.4	2.9	4.1	2.8	2.8	4.0	16.4	400	400
Diesel Range Organics (DRO)	8015	NA	NA	NA	NA	NA	NA	3860	NA	NA
Gasoline Range Organics (GRO)	8015	NA	NA	NA	NA	NA	NA	122	NA	NA
FID/OVA Field Screening (ppm)	FID/OVA	25	25	18	110	70	20	> 600	NA	NA

mg/kg = Milligrams Per Kilogram /or/ parts per million (ppm).
BOLD values are above Residential Soil MSCC levels.
NS = Not Sampled for Parameter

MSCC = Maximum Soil Contaminant Concentrations
ND = Not Detected.
J = Estimated Concentration

No MSCC = No MSCC
NA = Not Applicable
CI = Considered Immobile

TABLE 5

Hydraulic Lift Area (UST8 and UST-9) - Risk-Based Post Excavation Soil Analytical Results
Former Don Christian Property - UST Incident # 26797
206 East Main Street, Carrboro, NC

Analytical Parameter	Analytical Method	SAMPLE ID NUMBER									Residential MSCC (mg/kg)	Industrial / Commercial MSCC (mg/kg)
		Lift 1 North	Lift 1 - East	Lift 1-South	Lift 2 South	Lift 2 West	Lift 2 North	Lift # 1	Lift # 2	DS-6		
Sample Date:		7/31/2013	7/31/2013	7/31/2013	7/31/2013	7/31/2013	7/31/2013	7/31/2013	7/31/2013	7/31/2013		
Sample Depth (feet):		8 feet	8	8	8	8	8	**9 feet**	**9 feet**	**Comp.**		
Results Units :		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		
C09 - C18 Aliphatics	EPH	ND	ND	502	49	ND	ND	NA	NA	NA	No MSCC	No MSCC
C19-C36 Aliphatics	EPH	ND	ND	240	ND	ND	ND	NA	NA	NA	31000	810,000
C11-C22 Aromatics	EPH	ND	ND	385	15	ND	ND	NA	NA	NA	No MSCC	No MSCC
Acenaphthene	8270	ND	ND	ND	ND	ND	ND	NA	NA	NA	940	24000
bis(2-Ethylhexyl)phthalate	8270	ND	ND	ND	ND	ND	ND	NA	NA	NA	46	410
1-Methylnaphthalene	8270	ND	ND	1.6	ND	ND	ND	NA	NA	NA	No MSCC	No MSCC
2-Methylnaphthalene	8270	ND	ND	2.6	ND	ND	ND	NA	NA	NA	63	1635
Naphthalene	8270	ND	ND	1.4	ND	ND	ND	NA	NA	NA	313	8176
All Other 8270 Parameters	8270											
Gasoline Range Organics (GRO)	8015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (DRO)	8015	NA	NA	NA	NA	NA	NA	5060	6260	1150	NA	NA
FID/OVA Field Screening (ppm)	FID/OVA	5 PPM	40.0	90	12	20	15	> 1000	> 1000	>400	NA	NA

mg/kg = Milligrams per Kilogram / or / parts per million (ppm).
BOLD values are above Residential MSCC levels
NS = Not Sampled for Parameter

MSCC = Maximum Soil Contaminant Concentrations
ND = Not Detected.
J = Estimated Concentration

No MSCC = No MSCC
NA = Not Applicable
CI = Considered Immobile

TABLE 6

AST/ Duct Bank Area - BFP Post-Excavation Soil Analytical Results
Former Don Christian Property - Brownfields Project # 07025-03-68
206 East Main Street, Carrboro, NC

Analytical Parameter	Analytical Method	SAMPLE ID NUMBER							*UST DIVISION* Residential MSCC (mg/kg)	*UST DIVISION* Industrial / Commercial MSCC (mg/kg)	IHSB / Brownfields Residential PSRGs (mg/kg)	IHSB / Brownfields Industrial / Commercial PSRGs (mg/kg)
		DB-1	DB-2	DB-3	DB-4	DB-5	DB-6	DB-7				
Sampling Date :		8/9/2013	8/9/2013	8/9/2013	8/9/2013	8/9/2013	8/9/2013	8/9/2013				
Sample Depth in Feet :		6	6	6	6	6	6	6				
Results Units :		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)				
EPA Method 8260												
Benzene	8260	ND	ND	ND	ND	ND	ND	ND	18	164	1.1	5.4
2-Butanone (MEK)	8260	ND	ND	ND	ND	ND	ND	ND	9385	245,280	5600	28,000
n-Butylbenzene	8260	ND	0.216	ND	ND	0.912	ND	ND	626	16,350	110	110
sec-Butylbenzene	8260	ND	0.139	ND	ND	0.664	ND	ND	626	16,350	No Standard	No Standard
tert-Butylbenzene	8260	ND	ND	ND	ND	0.18	ND	ND	626	16,350	No Standard	No Standard
Ethylbenzene	8260	ND	ND	ND	ND	0.76	ND	ND	1560	40,000	5.4	270
Isopropylbenzene	8260	ND	ND	ND	ND	0.541	ND	ND	1564	40,880	480	2000
P-Isopropyltoluene	8260	ND	ND	ND	ND	1.21	ND	ND	NO MSCC	NO MSCC	No Standard	No Standard
Naphthalene	8260	0.007	2.85	0.006	1.03	0.701	0.239	ND	313	8176	3.6	18
n-Propylbenzene	8260	ND	0.167	ND	ND	ND	ND	ND	626	16,350	260	260
Toluene	8260	ND	ND	ND	ND	ND	ND	ND	1200	32,000	820	820
1,2,4-Trimethylbenzene	8260	ND	ND	ND	ND	7.33	0.211	ND	782	20,440	12	52
1,3,5-Trimethylbenzene	8260	ND	ND	ND	ND	1.84	ND	ND	782	20,440	160	180
Total Xylenes	8260	ND	ND	ND	ND	0.516	ND	ND	3129	81,700	130	260
MTBE	8260	ND	ND	ND	ND	ND	ND	ND	350	3100	43	220
All Other 8260 Parameters												
Acenaphthene	8270	ND	ND	ND	ND	ND	ND	ND	940	24,000	680	6,600
bis(2-Ethylhexyl)phthalate	8270	ND	ND	ND	ND	ND	ND	ND	46	410	35	120
1-Methylnaphthalene	8270	0.486	1.9	ND	0.986	1.04	ND	ND	NO MSCC	NO MSCC	16	53
2-Methylnaphthalene	8270	0.513	3.2	ND	1.35	1.18	ND	ND	63	1635	46	370
Naphthalene	8270	ND	0.854	ND	ND	ND	ND	ND	313	8176	3.6	18
Phenanthrene	8270	ND	0.463	ND	0.502	0.485	ND	ND	469	12,264	No Standard	No Standard
All Other 8270 Parameters												
FID/OVA Field Screening (ppm)	FID/OVA	100	110	40	30	100	120	40	NA	NA	No Standard	No Standard

mg/kg = parts per million (ppm).
BOLD values are above MSCC levels.
NS=Not Sampled for Parameter

MSCC = Maximum Soil Contaminant Concentrations
ND = Not Detected.
J= Estimated Concentration

No MSCC
Not Applicable
Considered Immobile

TABLE 7

AST Loading Rack Area - BFP Post-Excavation Soil Analytical Results
Former Don Christian Property - Brownfields # 07025-03-68
206 East Main Street, Carrboro, NC

Analytical Parameter	Analytical Method	SAMPLE ID NUMBER							UST DIVISION Residential MSCC	UST DIVISION Industrial / Commercial MSCC	IHSB / Brownfields Residential PSRGs	IHSB / Brownfields Industrial / Commercial PSRGs
		LR North	LR East	LR West	LR South	LR Center	Duplicate	DS-7				
Sampling Date :		8/9/2013	8/9/2013	8/9/2013	8/9/2013	8/9/2013	(Center)	8/9/2013				
Sample Depth in Feet :		4.5	7	5.5	5.5	8	8	Disposal				
Results Units :		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Benzene	8260	ND	ND	ND	ND	ND	ND	NA	18	164	1.1	5.4
2-Butanone (MEK)	8260	ND	ND	ND	ND	ND	ND	NA	9385	245,280	5600	28,000
n-Butylbenzene	8260	ND	ND	0.006	ND	ND	ND	NA	626	16,350	110	110
sec-Butylbenzene	8260	ND	ND	0.006	ND	ND	ND	NA	626	16,350	No Standard	No Standard
tert-Butylbenzene	8260	ND	ND	ND	ND	ND	ND	NA	626	16,350	No Standard	No Standard
Ethylbenzene	8260	ND	ND	ND	ND	ND	ND	NA	1560	40,000	5.4	270
Isopropyl ether (IPE)	8260	ND	0.018	ND	ND	ND	ND	NA	156	4088	480	2000
Isopropylbenzene	8260	ND	ND	ND	ND	ND	ND	NA	1564	40,880	No Standard	No Standard
Naphthalene	8260	ND	ND	0.008	ND	0.115	0.231	NA	313	8176	3.6	18
n-Propylbenzene	8260	ND	ND	ND	ND	ND	ND	NA	626	16,350	260	260
Toluene	8260	ND	ND	ND	ND	ND	ND	NA	1200	32,000	820	820
1,2,4-Trimethylbenzene	8260	ND	ND	ND	ND	ND	ND	NA	782	20,440	12	52
1,3,5-Trimethylbenzene	8260	ND	ND	ND	ND	ND	ND	NA	782	20,440	160	180
Total Xylenes	8260	ND	ND	ND	ND	ND	ND	NA	3129	81,700	130	260
MTBE	8260	ND	0.015	0.01	0.055	ND	ND	NA	350	3100	43	220
All Other 8260 Parameters												
Acenaphthene	8270	ND	ND	ND	ND	ND	ND	NA	940	24,000	680	6,600
bis(2-Ethylhexyl)phthalate	8270	ND	ND	ND	ND	ND	ND	NA	46	410	35	120
1-Methylnaphthalene	8270	ND	ND	ND	ND	ND	ND	NA	20	NO MSCC	16	53
2-Methylnaphthalene	8270	ND	ND	ND	ND	ND	ND	NA	63	1635	46	370
Naphthalene	8270	ND	ND	ND	ND	ND	ND	NA	313	8176	3.6	18
Phenanthrene	8270	ND	ND	ND	ND	402	556	NA	469	12,264	No Standard	No Standard
All Other 8270 Parameters	8270											
Gasoline Range Organics (GRO)	8015	NA	NA	NA	NA	NA	NA	38	NA	NA	No Standard	No Standard
Diesel Range Organics (DRO)	8015	NA	NA	NA	NA	NA	NA	852	NA	NA	No Standard	No Standard
FID/OVA Field Screening (ppm)	FID/OVA	95 ppm	10 ppm	120 ppm	150 ppm	50 ppm	50 ppm	250 ppm	NA	NA	No Standard	No Standard

mg/kg = parts per million (ppm).
BOLD values are above MSCC levels.
NS=Not Sampled for Parameter

MSCC = Maximum Soil Contaminant Concentrations
ND = Not Detected.
J= Estimated Concentration

NMSCC= No MSCC
NA Not Applicable
CI= Considered Immobile

Table 8

Disposal Sample Analytical Results

Main Street Properties of Chapel Hill, LLC

Former Don Christian Property - 206 E. Main Street, Carrboro, NC

DENR UST Incident # 26797

Sample Name	Sample Date	Sample from This Excavation	Disposal Samples Field Sceening of Composite (ppm)	Diesel Range Organics mg/kg	Gasoline Range Organics mg/kg	Chromium & Lead mg/kg
DS-1	07/18/13	UST Area	900	706	46.3	NA
DS-2	07/19/13	UST Area	> 1000	650	837	NA
DS-3	07/22/13	UST Area	> 1000	57	242	NA
DS-4	07/22/13	UST Area	> 1000	150	228	NA
DS-5	07/30/13	Waste Oil Area	> 800	3860	122	Cr = 3.0 mg/kg Pb = 16.4 mg/kg
DS-6	07/31/13	Hydraulic Lift Area	> 300	1150	NA	NA
DS-7	08/09/13	AST AREA	280 ppm	852	38	NA

NA = Not Analyzed for this method

mg/kg = Milligrams per Kilogram
PPM = Parts per Million

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

Table 9

Groundwater Elevation Data

Former Don Christian Property - 206 E. Main Street, Carrrboro, NC

UST Incident # 26797

Well Number	TOC Elevation* (feet)	Total Well Depth (feet)	Date Gauged	Depth To Groundwater (feet)	Depth To Product (feet)	Corrected Depth To Water (feet)	Corrected Water Elevation (feet)
MW-1	98.96	29.50	01/04/05	8.38	0.00	NA	90.58
	98.96		05/06/13	7.04	0.00	NA	91.92
	98.96		07/15/13	5.69	0.00	NA	93.27
NEW MW-1A	98.67	19.00	07/30/13	8.01	0.00	NA	90.66
	98.67		08/29/13	7.04	0.00	NA	91.63
	98.67				0.00	NA	98.67
MW-2	98.63	30.00	01/04/05	13.94	0.00	NA	84.69
			07/15/13	MW-2 Was Not Found - DESTROYED			
MW-3	99.61	30.00	01/04/05	13.00	0.00	NA	86.61
	99.61		07/15/13	11.08	0.00	NA	88.53
	99.61		07/30/13	12.42	0.00	NA	87.19
	99.61		08/29/13	13.76	0.00	NA	85.85
MW-4	99.92	20.00	01/04/05	9.10	0.00	NA	90.82
	99.92		07/15/13	6.84	0.00	NA	93.08
			07/30/13	MW-4 Was DESTROYED during Demolition			
MW-5	98.96	23.00	01/04/05	8.35	0.00	NA	90.61
	98.96		05/06/13	6.50	0.00	NA	92.46
	98.96		07/15/13	6.03	0.00	NA	92.93
NEW MW-5A	99.11	18.00	07/30/13	9.20	0.00	NA	89.91
	99.11		08/29/13	7.81	0.00	NA	91.30
MW-6	99.61	41.00	01/04/05	10.07	0.00	NA	89.54
	99.61		07/15/13	7.76	0.00	NA	91.85
	99.61		07/30/13	8.92	0.00	NA	90.69
	99.61		08/29/13	8.92	0.00	NA	90.69

*TOC Elevations from TerraQuest (2005) NR = Not Reported NG = Not Gauged

Table 10

Historical Monitoring Well Analytical Data
Don Christian Property, Carrboro, NC DENR Incident # 26797

			Monitoring Wells						2L Ground-Water Standards ug/l	Gross Contaminant Levels ug/l
Laboratory Parameters	Units	Date Sampled	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6		
Method 6200B										
MTBE	ug/l	4/16/2004	< 5.0	10	15	NI	NI	NI	20	20,000
		11/15/2004	NS	NS	NS	1.3	**< 500**	< 1		
		5/8/2013	ND	Dest.	NS	NS	ND	NS		
		7/15/2013	NS	Dest.	**34.2**	ND	NS	ND		
		7/30/2013	15.6	Dest.	NS	Dest	13	NS		
		8/23/2013	ND	Dest.	NS	Dest	13.1	NS		
		8/29/2013	ND	Dest.	**40.5**	Dest	14.8	ND		
IPE (Di-isopropyl ether)	ug/l	4/16/2004	**12,000**	5	60	NI	NI	NI	70	70,000
		11/15/2004	NS	NS	NS	14	**4,200**	250		
		5/8/2013	**6350**	Dest.	NS	NS	**128**	NS		
		7/15/2013	NS	Dest.	8.3	ND	NS	80		
		7/30/2013	**4720**	Dest.	NS	Dest.	**2940**	NS		
		8/13/2013	**2570**	Dest.	NS	Dest.	**423**	NS		
		8/23/2013	**1530**	Dest.	NS	Dest.	**3660**	NS		
		8/29/2013	**2800**	Dest.	14.1	Dest.	**2920**	49.5		
1,2-Dichloroethane	ug/l	4/16/2004	**1,200**	< 1	5.1	NI	NI	NI	0.4	400
		11/15/2004	NS	NS	NS	<1	**< 500**	16		
		5/8/2013	111	Dest.	NS	NS	ND	NS		
		7/15/2013	NS	Dest.	ND	ND	NS	ND		
		7/30/2013	**48.2**	Dest.	NS	Dest.	**4.8**	NS		
		8/13/2013	**54.1**	Dest.	NS	Dest.	**13.2**	NS		
		8/23/2013	**32**	Dest.	NS	Dest.	**6.7**	NS		
		8/29/2013	**82.4**	Dest.	0.88	Dest.	ND	ND		
1,2-Dibromoethane (EDB)	ug/l	4/16/2004	**30**	< 1	< 1	NI	NI	NI	0.02	50
		11/15/2004	NS	NS	NS	< 1	< 5	< 1		
		5/8/2013	ND	Dest.	NS	NS	ND	NS		
		7/15/2013	NS	Dest.	ND	ND	NS	< 0.5		
		7/30/2013	**9.8**	Dest.	NS	Dest.	ND	NS		
		8/13/2013	ND	Dest.	NS	Dest.	ND	NS		
		8/23/2013	ND	Dest.	NS	Dest.	ND	NS		
		8/29/2013	**59.6**	Dest.	ND	Dest.	**1.7**	ND		
Naphthalene	ug/l	4/16/2004	**230**	< 10	< 10	NI	NI	NI	6	6000
		11/15/2004	**595**	**86**	BDL	**< 10**	**410**	**< 10**		
		5/8/2013	**810**	Dest.	NS	NS	**1480**	NS		
		7/15/2013	**NS**	Dest.	ND	ND	NS	ND		
		7/30/2013	**340**	Dest.	NS	Dest.	**44.4**	NS		
		8/13/2013	**ND**	Dest.	NS	Dest.	ND	NS		
		8/23/2013	**151**	Dest.	NS	Dest.	**28**	NS		
		8/29/2013	**345**	Dest.	ND	Dest.	ND	ND		
Lead (Pb)		4/16/2004	**41**	< 5.0	6	NI	NI	NI	15	15000
		11/15/2004	NS	NS	NS	9.8	22	13		
		8/29/2013	**33.6**	Dest.	**21.7**	Dest.	< 5	< 5		

BDL = Below Detection Limit NS=Not Sampled N I =Well Not Installed J=Estimated

Dest. = Well Destroyed by Contruction activities

Sample Results **Bolded** Are Above the NCAC 2L Groundwater Standards. Samples Shaded in Yellow are above Gross Contaminant Levels

Table 10

Historical Monitoring Well Analytical Data
Don Christian Property, Carrboro, NC DENR Incident # 26797

			Monitoring Wells						2L Ground-Water Standards ug/l	Gross Contaminant Levels ug/l
Laboratory Parameters	Units	Date Sampled	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6		
Method 6200B										
Benzene	ug/l	4/16/2004	**11,000**	3.6	4	NI	NI	NI	1	***5,000***
		11/15/2004	NS	NS	NS	2.8	**7,100**	1		
		5/8/2013	**29400**	Dest.	NS	NS	2500	NS		
		7/15/2013	NS	Dest.	ND	ND	NS	ND		
		7/30/2013	**8440**	Dest.	NS	Dest.	616	NS		
		8/13/2013	**5650**	Dest.	NS	Dest.	387	NS		
		8/23/2013	**4170**	Dest.	NS	Dest.	320	NS		
		8/29/2013	**8790**	Dest.	ND	Dest.	412	ND		
Toluene	ug/l	4/16/2004	**6,000**	< 5	< 5	NI	NI	NI	600	260,000
		11/15/2004	NS	NS	NS	<5.0	**8,000**	< 5.0		
		5/8/2013	**22600**	Dest.	NS	NS	**3190**	NS		
		7/15/2013	NS	Dest.	ND	ND	NS	ND		
		7/30/2013	**6290**	Dest.	NS	Dest.	212	NS		
		8/13/2013	**2660**	Dest.	NS	Dest.	202	NS		
		8/23/2013	**3080**	Dest.	NS	Dest.	302	NS		
		8/29/2013	**7880**	Dest.	ND	Dest	492	ND		
Ethylbenzene	ug/l	4/16/2004	**760**	1.1	< 1	NI	NI	NI	600	84,500
		11/15/2004	NS	NS	NS	1.1	**1,200**	<1		
		5/8/2013	**1920**	Dest.	NS	NS	**4670**	NS		
		7/15/2013	NS	Dest.	ND	ND	NS	ND		
		7/30/2013	**926**	Dest.	NS	Dest.	108	NS		
		8/13/2013	248	Dest.	NS	Dest.	103	NS		
		8/23/2013	442	Dest.	NS	Dest.	71.4	NS		
		8/29/2013	**998**	Dest.	ND	Dest	91.4	ND		
Total Xylenes	ug/l	4/16/2004	**3,600**	< 3.0	< 3.0	NI	NI	NI	500	85,500
		11/15/2004	NS	NS	NS	4.8	**4,900**	< 3		
		5/8/2013	**14100**	Dest.	NS	NS	**16450**	NS		
		7/15/2013	NS	Dest.	ND	ND	NS	ND		
		7/30/2013	**4210**	Dest.	NS	Dest.	291.1	NS		
		8/13/2013	964	Dest.	NS	Dest.	238.7	NS		
		8/23/2013	**2054**	Dest.	NS	Dest.	318	NS		
		8/29/2013	**4970**	Dest.	ND	Dest	464	ND		
Total BTEX	ug/l	4/16/2004	21,360	5	4	NI	NI	NI	NA	NA
		11/15/2004	NS	NS	NS	9	21,200	< 10		
		5/8/2013	68,020	Dest.	NS	NS	26,810	NS		
		7/15/2013	NS	Dest.	< 10	< 10	NS	< 10		
		7/30/2013	19,866	Dest.	NS	Dest	1,227	NS		
		8/13/2013	9,522	Dest.	NS	Dest	931	NS		
		8/23/2013	14,016	Dest.	NS	Dest	1,307	NS		
		8/29/2013	19,498	Dest.	< 10	Dest	1,434	< 10		

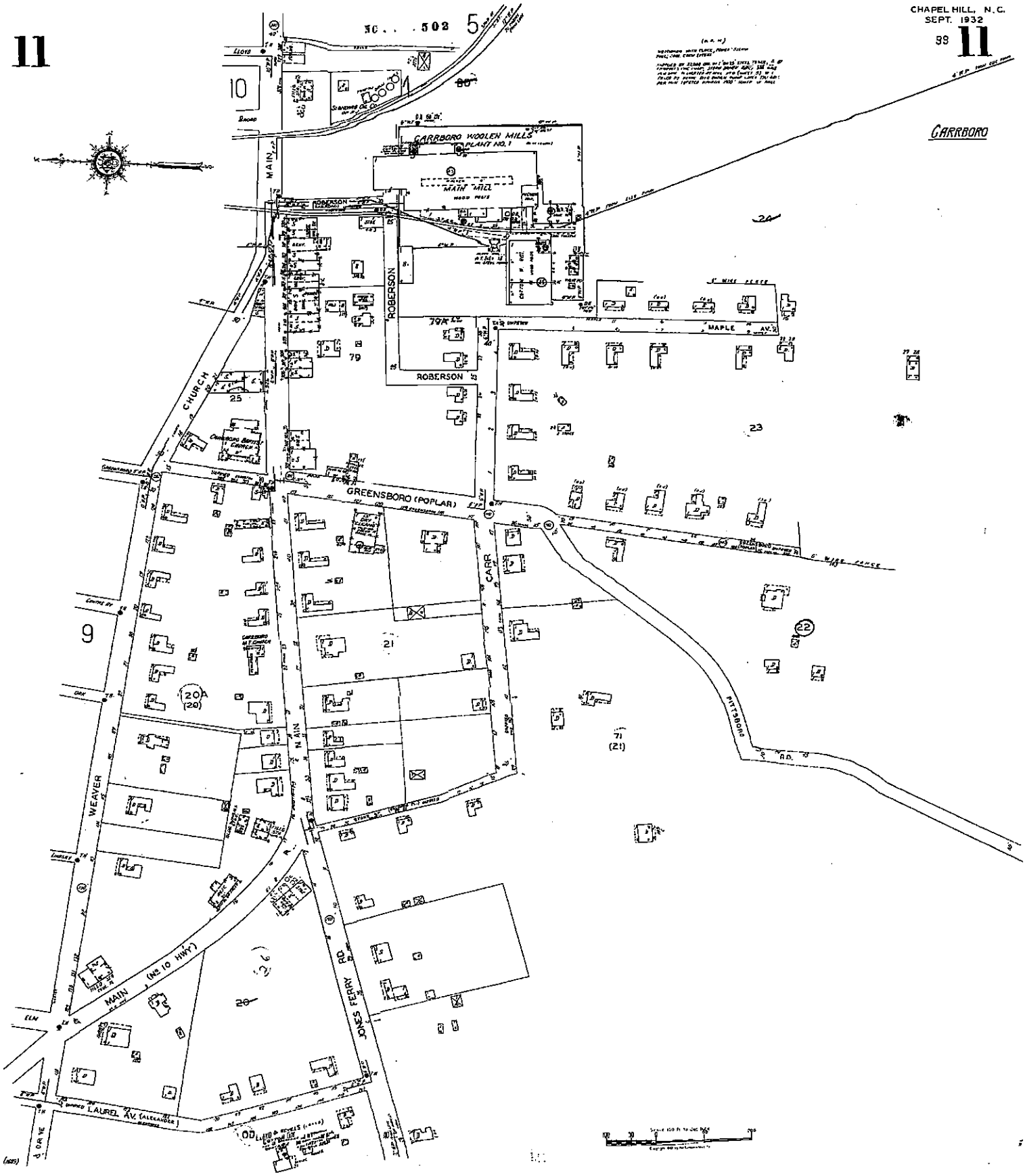
BDL = Below Detection Limit NS=Not Sampled N I =Well Not Installed J=Estimated

Dest. = Well Destroyed by Contruction activities

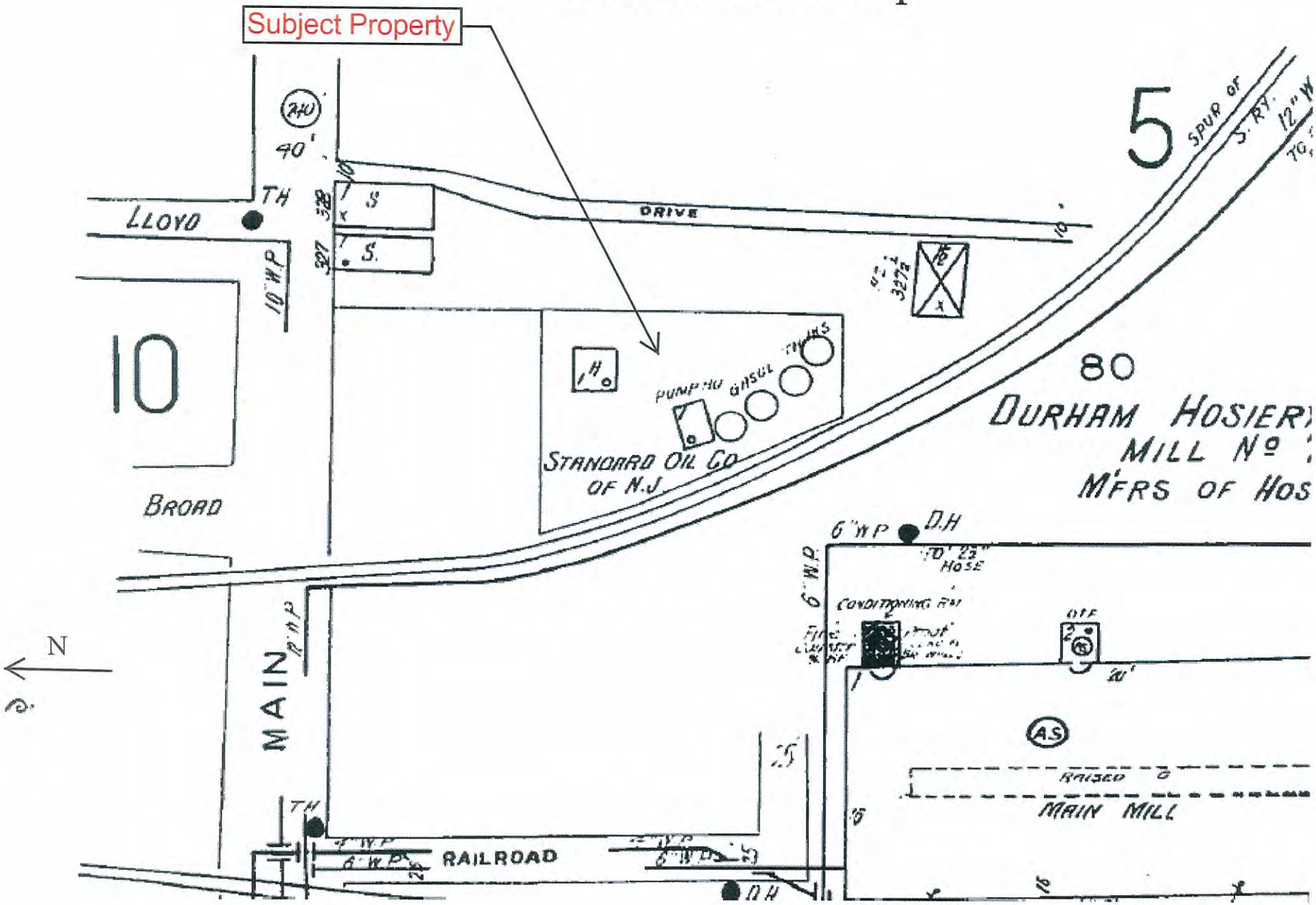
Sample Results **Bolded** Are Above the NCAC 2L Groundwater Standards. Samples Shaded in Yellow are above Gross Contaminant Levels

Appendix A

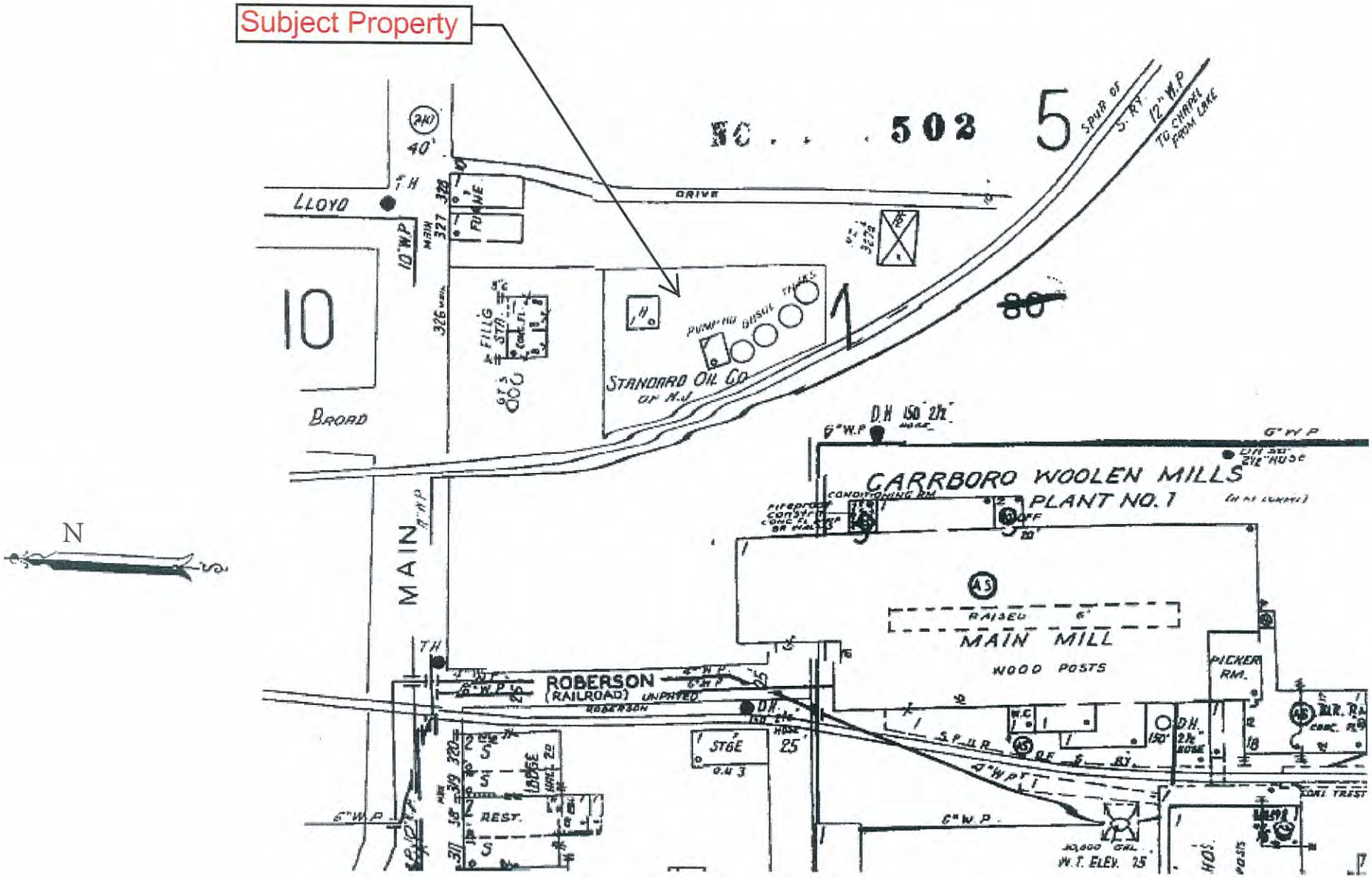
CHAPEL HILL, N.C.
SEPT. 1932
SS 11



1932 Sanborn Map



1932-1949 Sanborn Map

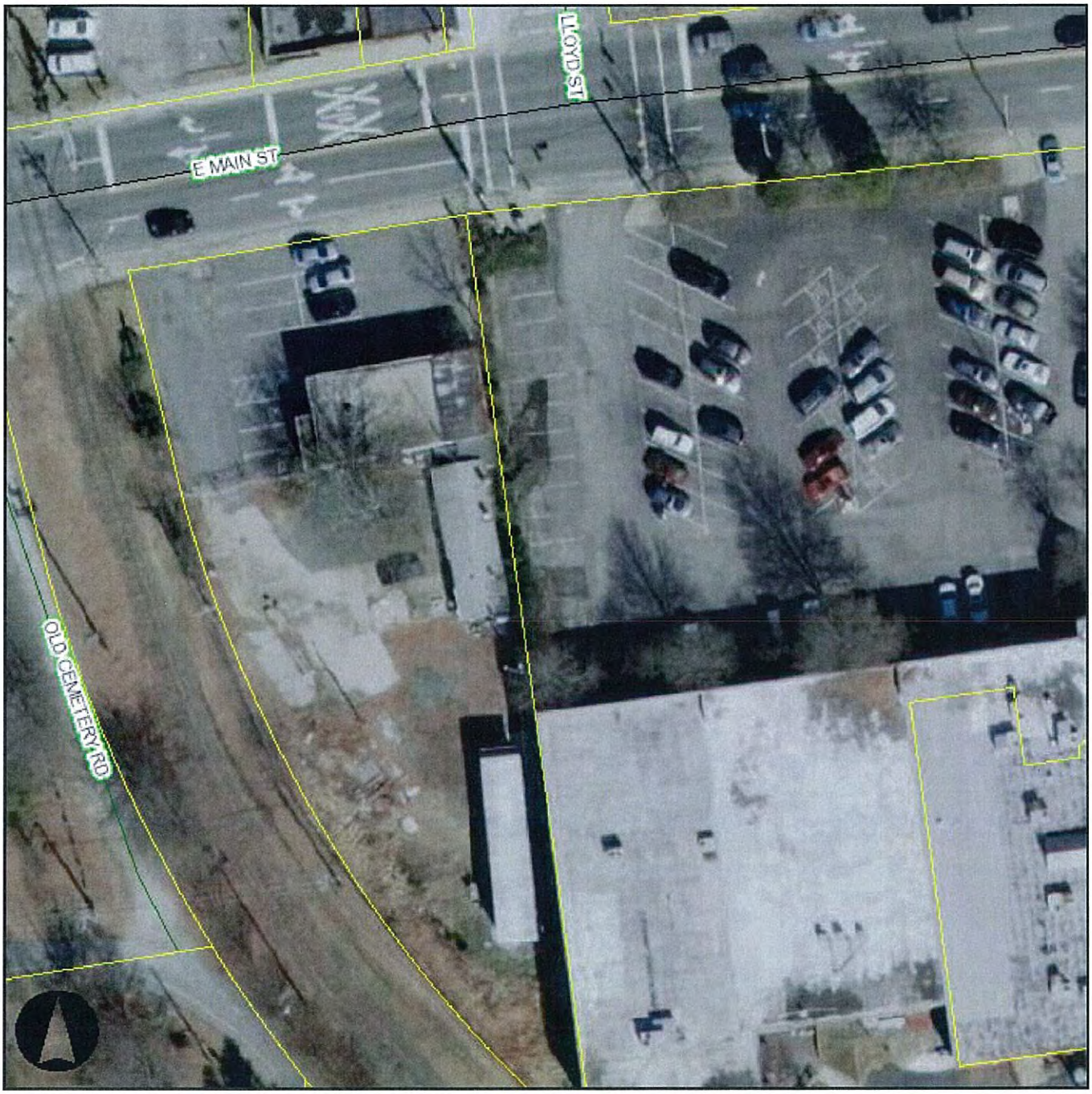


1947-1949 AERIAL

206 E. Main Street
1960 Aerial Photo

206 E. Main Street
Carrborro, NC
1985 Aerial Photo

Orange County, NC GIS



1 inch = 50 feet
Created on 7/3/2013. Orange County, North Carolina.

Former Don Christian Property
2010 Aerial Map

Appendix B

BRUCE NICHOLSON

~~SHIRLEY LIGHTSON 336~~

TONY DUKAY — HANDLE THIS SITE.

When was this submitted?

Bruce Nicholson, head of Brownfields (special project directly under Division)

~~715 360~~

733 4996 ext 353

KAH 3/8/05

TABLE OF CONTENTS

1.0 INTRODUCTION 1

2.0 SITE HISTORY AND INITIAL ASSESSMENT ACTIVITIES 2

3.0 RISK CHARACTERIZATION AND RECEPTOR INFORMATION 6

4.0 SITE GEOLOGY AND HYDROGEOLOGY 8

5.0 FIELD AND LABORATORY ANALYSIS 9

5.1 SOIL SAMPLING METHODOLOGY AND RESULTS 9

5.2 GROUNDWATER SAMPLING METHODOLOGY AND RESULTS 10

6.0 FREE PRODUCT INVESTIGATION 12

7.0 CONCLUSIONS AND RECOMMENDATIONS 12

8.0 LIMITATIONS 13

REFERENCES 14

TABLES
1. Site History (UST & AST System Information)
2. Summary of Initial Site Assessment Soil Sampling Results
3. Monitoring Well Construction Information
4. Summary of Groundwater Sampling Results
5. Surrounding Property Owners
6. Water Supply Well Information
7. Summary of LSA Soil Sampling Results

FIGURES
1. Site Location Map
2. Site Vicinity Map
3. Site Layout Map
4. Initial Site Assessment Soil Sample Location Map
5. Potentiometric Surface Map (1/4/05)
6. LSA Soil Sample Location Map
7. Groundwater Analytical Results (4/16 & 11/15/04)

APPENDICES
A. Soil Boring Logs and Well Construction Records
B. Analytical Reports
C. 24-Hour Release and UST Leak Reporting Form and Limited Site Assessment Risk Classification and Land Use Form
D. Technical Methods and Standard Procedures

1.0 INTRODUCTION

On behalf of Main Street Properties of Chapel Hill LLC (Main Street), the property owner and Don C. Christian Company, Inc. (Don Christian), the responsible party, TerraQuest Environmental Consultants, P.C. (TerraQuest) has performed limited site assessment (LSA) activities at the Don C. Christian Company, Inc. (Christian) property located at 206 East Main Street in Carrboro, NC. This report details the results of assessment activities conducted in order to comply with requirements under Title 15A of the North Carolina Administrative Code, Subchapter 2L, Section .0115 (c)(4).

Initial site assessment activities were completed during the development of a Brownfields Agreement for the prospective developer (Main Street) to address the "perceived contamination" associated with the aboveground storage tank (AST) bulk fuel storage facility and underground storage tanks (USTs) formerly located on the property. A Letter of Intent dated October 9, 2003 was sent to the North Carolina Department of Environment and Natural Resources Division of Waste Management Brownfields Section (NCDWM Brownfields Section) by Main Street seeking entry into the North Carolina Brownfields Program and a Brownfields Agreement for the Christian property. The NCDWM-Brownfields Section responded with a Letter of Eligibility dated December 18, 2003. Results of a soil and groundwater assessment of the Christian property completed for the Brownfields Agreement and subsequently submitted to the Brownfield Section revealed the presence of the petroleum contamination in the vicinity of the former UST and AST locations. To address the release requirements of the NCDWM-UST Section, Main Street on behalf of Christian has completed the LSA activities in the vicinity of the former USTs.

The site location is shown in Figure 1. Figure 2 is a site vicinity map depicting properties within 1,500 feet of the site. A site layout map showing the former and current locations of the ASTs and USTs is included as Figure 3.

Results of the LSA activities document the presence of soil and groundwater contamination, however, no critical receptors such as surface water bodies or primary drinking water supply wells were found within 1,500 feet of the source area.

2.0 SITE HISTORY AND INITIAL ASSESSMENT ACTIVITIES

According to Kenneth Christian, president of Don Christian, the USTs and ASTs were in place when they purchased the property in November 1987 from Ella Lloyd. The ASTs were located in the southern portion of the property, and the USTs were located in front of the former gas station facility located on the northern portion of the property. The USTs were never used by Christian, however, they registered the USTs with the NCDWM – UST Section's Petroleum UST database. The database identifies three (3) 3,000-gallon and one (1) 1,000-gallon diesel, one (1) 3,000-gallon gasoline, and one (1) 3,000-gallon kerosene USTs being registered for the property. The ASTs consisted of two (2) 16,000-gallon kerosene, two (2) 16,000-gallon heating oil, one (1) 20,000-gallon gasoline, one (1) 20,000-gallon diesel, one 6,000-gallon gasoline, and one 6,000-gallon empty tank that was never used. A 650-gallon waste oil AST and two 280-gallon heating oil ASTs are currently located behind the gas station building. The waste oil AST is currently used by the Honda Specialist auto repair business occupying the gas station building to store waste oil generated from servicing automobiles. The heating oil ASTs currently supply the gas station building's furnace. A 280-gallon heating oil AST is located behind the office building and supplies the office building's furnace. The product type, capacity, dimensions, date installed, and date closed information for all of the current and former USTs and ASTs are listed in Table 1. The former and current locations of the USTs and ASTs are depicted in Figure 3.

Mr. Christian stated the bulk-storage ASTs were removed in June 2003 and the USTs were removed in November 1988. The NC Petroleum UST Database has a closure date of November 18, 1989. No release incident has been documented with the NCDWM for either the ASTs or USTs prior to the Brownfields and LSA assessment.

Though the actual installation date for the ASTs is unknown, a review of Sandborn maps depicting the property from 1911 through 1933 revealed the construction of the bulk fuel facility between 1925 and 1932. Originally, the Standard Oil Company of New Jersey owned the property in the 1930's. Standard Oil eventually became the Exxon Corporation (Exxon). Exxon installed the former ASTs and USTs and operated the facility until they sold the property to Lloyd Oil Company (Ella Lloyd) in the late 1970's.

During initial assessment activities, TerraQuest personnel advanced eighteen soil borings at various locations throughout the Christian property to assess the quality of the vadose-zone soils. Soil borings B1 through B7 were installed on February 19, 2004 in the vicinity of the former bulk-storage ASTs and at the former loading rack and product supply lines. Soil borings B8 through B18 were installed on March 17, 2004 in the vicinity of the current waste oil and heating ASTs and the former petroleum USTs. A soil sample was not collected from the AST behind the office building since there were no indications that a release had occurred from it (i.e. surface staining).

All of the soils samples were collected using a Geoprobe 6610DT direct push rig. Soil samples were collected continuously in five-foot intervals using a Macro-Core® sampling tube. Samples at various intervals were collected in zip-lock bags for field screening and logging. Field screening was accomplished using a Thermo Gastech Innova Series® catalytic organic vapor monitor (OVM).

Soil borings B1 – B5 were installed in the vicinity of the former bulk-storage ASTs. Soil boring B6 was installed along the former path of the product supply lines, and soil boring B7 was installed at the former loading rack. Soil samples in a boring were collected generally in five-foot intervals at each of the boring locations to determine the quality of vadose-zone soil at the ground surface and with depth. The number of soil samples submitted for analysis depended upon the observance of contaminants by olfactory or screening methods and the final depth of the boring. Three samples were collected from borings B1, B6, and B7 and two samples were collected from borings B2, B3, B4, and B5. Two soil samples were collected from the soil boring B8 installed in the vicinity of the

current waste oil and heating oil ASTs. One soil sample was collected from each of the borings B9 – B18. Borings B9 and B18 were installed in the vicinity of the former kerosene UST. Borings B10 - B15 were installed in the vicinity of the former UST basin, and borings B16 and B17 were installed in the vicinity of the former UST system dispenser island.

Soil samples B1 – B9, and B18 were submitted for analysis by the EPA Method 8260+methyl tert-butyl ether (MTBE) + isopropyl ether (IPE) for gasoline-type fuels and 8270 Base Neutrals and Acid Extractables (BNA) for diesel/kerosene/heating oil-type fuels. Soil samples B10 – B17 were submitted for analysis by EPA Method 8260 + MTBE + IPE only.

The NCDWM has established contaminant concentration limits for the numerous petroleum constituents sampled for by the 8260 and 8270 methods. The initial limits for the site are the Soil-to-Groundwater Maximum Soil Contaminant Concentrations (S-t-G MSCCs). If the detected concentration of a compound exceeds these limits, a violation of the S-t-G MSCC has occurred. Analytical results of the soil samples revealed concentrations of gasoline and diesel/kerosene/heating oil-type fuels above the sample detection limit in all but two soil samples, B3(5-6) and B5 (11-12). The sample detection limit for a sample is established by the 8260 and 8270 analytical method and is the lowest concentration of a compound that the methods can detect. Boring B5 was the only boring with all of its soil samples having no contaminant concentrations above the NCDWM S-t-G MSCCs. Borings B1, B3, B4, B6, B7, B8, B10 had one or two soil samples with no detected contaminant concentrations above the S-t-G MSCCs. The remaining samples had detected contaminant concentrations above the S-t-G MSCCs. Table 2 lists the sample depths and analytical results of each sample. The locations of the initial assessment soil borings are depicted in Figure 4.

On March 25, 2004, during the Brownfields investigation, TerraQuest personnel supervised the installation of the Type II monitoring wells, MW1, MW2, and MW3. Monitoring well MW1 was installed in the vicinity of the former UST system. Monitoring well MW2 was installed in the interpreted downgradient direction of the former bulk-storage ASTs, and

monitoring well MW3 was installed in the vicinity of the former AST loading rack. The wells were constructed of Schedule 40, 2-inch diameter PVC and installed to a depth of approximately 30 feet below ground level (BGL). The wells were installed to this depth since indications of groundwater did not become apparent until approximately 22 to 24 feet BGL. The screened interval of each monitoring well was installed to bracket the water table to allow for the infiltration of non-aqueous phase liquids. Monitoring well construction data is summarized in Table 3. The soil boring logs, well installation details, and well construction records for monitoring wells MW1 – MW3 are contained in Appendix A.

Well development was performed on monitoring wells MW1 – MW3 immediately after they were installed to minimize the accumulation of fine silt particles in the well and on the borehole wall. Development was performed using a fully decontaminated electric purge pump and new polyethylene tubing. The pump and tubing were completely decontaminated in between the development of each monitoring well.

On April 16, 2004, TerraQuest personnel collected groundwater samples from monitoring wells MW1 – MW3. Prior to collecting a groundwater sample from a well, the monitoring well was purged three well-volumes of groundwater using a new single-use disposable polyethylene bailer. After the purging process, the water column was allowed to return to near static before a groundwater sample was collected.

Groundwater samples were collected using the same purging bailer, placed in laboratory-prepared containers, and cooled on ice pending transportation to a North Carolina-certified environmental laboratory. The groundwater samples from each well were analyzed for gasoline-type constituents by EPA Methods 6210D + MTBE + IPE, 504.1 ethylene di-bromide (EDB), 625 BNA plus 10 non-target peaks, and 6010B for lead with a 3030c sample preparation method. The NCDWM has established the 15A North Carolina Administrative Code (NCAC) 2L .0202 Groundwater Quality Standards (2L Standards) and the 15A NCAC 2L .0115 Gross Contamination Limits (GCLs) for the numerous petroleum constituents sampled for by the 6210D+ MTBE + IPE, 504.1 EDB, 625 BNA plus 10 non-target peaks, and lead methods.

The groundwater analytical results of monitoring well MW1 – MW3 reveal contaminant concentrations above the 2L Standards in each of the monitoring wells. Monitoring well MW1 has eleven (11) compounds exceeding the 2L Standards and one compound, benzene, with concentrations exceeding its established GCL. Monitoring wells MW2 – MW3 only have one (1) compound above the 2L Standard, benzene. A list of the detected compounds and their corresponding 2L Standard and GCL is included in Table 4. The full analytical report for the April 16, 2004 sampling of monitoring wells MW1 – MW3 is contained in Appendix B.

The AST and UST release was reported to NCDWM in the June 25, 2004 Site Assessment Report. A copy of the report is on file with the NCDWM – Brownfields Section. A copy of the 24-Hour Release and UST Leak Reporting Form is included in Appendix C.

3.0 RISK CHARACTERIZATION AND RECEPTOR INFORMATION

During the assessment for the Brownfields agreement, TerraQuest personnel performed a detailed reconnaissance of properties within a 500-foot radius of the Christian property to identify possible critical receptors such as surface water bodies or water supply wells. The reconnaissance effort consisted of obtaining tax department and zoning information on the properties, conducting door-to-door visits, where necessary, of the properties, and collecting other pertinent information from the appropriate local and state officials.

For the LSA, TerraQuest personnel performed a more detailed receptor survey by inspecting all properties within 1,500 feet of the site. Property owners/occupants were questioned, if available, as to the source of their water and if any supply wells were located on their property. TerraQuest personnel found no primary water supply wells within 1,500 feet. Three irrigation water supply wells were noted within 1,500 feet of the site: 1) one on the Southern States property approximately 1,150 feet northwest of the site (PW1); 2) one at the Ready Mix Concrete plant approximately 1,100 feet southeast of the site (PW2); and 3) one at the Carolina Car Wash approximately 980 feet southeast of the site (PW3).

Table 5 lists the surrounding property owners, and Table 6 lists the water supply well owner information.

According to the Orange County Water and Sewer Authority (OWASA), all of the developed properties within a half-mile radius have access to municipal water. No basements, schools, or daycares are located within 500 feet of the subject property. A storm sewer, an OWASA water main and sanitary sewer main, a telephone main, and natural gas line are located within 40 feet of the property boundary along or in Main Street. Figure 3 identifies the locations of the underground utilities.

A review of topographical maps and a reconnaissance of the surrounding area revealed no surface water bodies within 500 feet of the source area. The closest surface water body Morgan Creek is located approximately 4,700 feet south of the site. The Town of Carrboro Online Geographical Information System lists the subject property and properties to the immediate north, east, and west as being zoned Town Center Business and are comprised of commercial properties including restaurants, retail office buildings, and commercial retail buildings. Properties to the immediate south and southeast are zoned residential (Town of Carrboro cemetery) and residential High Density and Commercial Overlay District (auto repair facility), respectively. Figure 2 is a site vicinity map depicting the zoning classifications of properties within 1,500 feet of the site.

The site should be ranked as an Intermediate risk according to *The Groundwater Section Guidelines for the Investigation and Remediation of Soil and Groundwater, volume II.* This Intermediate risk ranking stems from the presence of groundwater contaminant concentrations above the GCLs. A copy of the completed Limited Site Assessment Risk Classification and Land Use Form is included as Appendix C.

4.0 SITE GEOLOGY AND HYDROGEOLOGY

According to the Geologic Map of North Carolina, the site is located in the Carolina Slate Belt of the Piedmont Physiographic Province (Brown, et al., 1985). The bedrock geology in the site vicinity is primarily composed of metamorphic granites of the Chapel Hill pluton.

Based upon observations made during the assessment, the following regolithic lithology exists at the site:

0' – 9' BGL (Below Ground Level)
LEAN CLAY (CL)
Soft to medium stiff, yellowish-orange, mostly clay, little fine-grained sand, dry.

9' – 18' BGL
SAPROLITE
With the soil characteristics of a Clayey Sand (CL) medium dense, yellowish orange/tan/white, mostly coarse to fine-grained sand, little gravel (<1/2-inch), few clay, dry.

18' – 30' BGL
BEDROCK
Metamorphosed weathered granites, fractures at 22 to 24 feet BGL

Site topography is depicted in Figure 1. The drilling locations of monitoring wells MW1 – MW6 and soil borings B1 – B18 are depicted in Figure 4. The soil boring log, well construction records, and well installation details for the monitoring wells and soil boring SB15A are contained in Appendix B. Technical Methods and Standards Procedures utilized by TerraQuest during the assessment for soil boring and monitoring well installations and equipment decontamination procedures are included in Appendix D.

Depth-to-groundwater measurements were collected from monitoring wells MW1 – MW6. Groundwater elevation measurements were reduced to a common datum by surveying the relative elevation of the top of the casing for each monitoring well. The water table elevation data collected on January 4, 2005 were then plotted onto a potentiometric surface map (Figure 5). Figure 5 reveals that the hydraulic head decreases in a southern direction. Table 3 summarizes well construction information, depth-to-water measurements, and groundwater elevation data for the monitoring wells at the site.

5.0 FIELD AND LABORATORY ANALYSIS

5.1 Soil Sampling Methodology and Results

On November 12, 2004, a soil boring B15A was advanced to 16 feet BGL to determine the soil lithology and collect soil samples in the source area for the LSA. This soil sample location was chosen since the analytical results of the B15 soil sample collected during the initial site assessment revealed the greatest contaminant concentration in the vicinity of the former USTs. Soil samples were collected at five-foot intervals down to sixteen feet BGL. TerraQuest collected soil samples from 5-6 feet BGL, 9-10 feet BGL, and 15 – 16 feet BGL. All three soil samples were submitted for the analysis of gasoline by the EPA Method 8260 and the Massachusetts Department of Environmental Protection (MADEP) method for volatile petroleum hydrocarbons (VPH). EPA Method 8270 and MADEP method for extractable petroleum hydrocarbons (EPH) were not sampled for since the majority of the contaminant compounds detected in previous soil and groundwater samples collected in the vicinity of the USTs were common constituents of gasoline.

The soil samples were collected using a Geoprobe 6610DT Macro Core soil sampling system. Soil samples were collected continuously in five-foot intervals using a Macro-Core® sampling tube beginning at the ground surface. The Macro-Core® tube contains an inserted PVC liner which retains the soil sample as the tube is driven into the ground. The Macro-Core® tube was decontaminated between each sample interval in a soil boring using an Alconox and tap-water mixture. A new PVC liner was used to collect soil from

each sample interval in a soil boring. Samples at various intervals were collected in zip-lock bags for field screening and logging.

Analytical results of the soil sample revealed contaminant concentrations above the S-t-G MSCCs in the sample, but none above the Industrial/Commercial MSCCs. Table 7 lists the analytical results of the LSA soil samples. Figure 6 depicts the B15A soil boring location. The analytical reports are contained in Appendix B.

5.2 Groundwater Sampling Methodology and Results

On November 12, 2004, TerraQuest personnel supervised the installation of the Type II monitoring wells, MW4, MW5, and MW6. Monitoring well MW4 was installed in the interpreted downgradient location of the former UST system. Monitoring well MW5 was installed in the interpreted downgradient direction of the former gasoline USTs and dispenser island and in the former diesel and kerosene UST basin. Monitoring well MW6 was installed in the interpreted upgradient direction of the former UST system. The wells were constructed of Schedule 40, 2-inch diameter PVC and installed to depths of 20 to 41 feet BGL. Monitoring wells MW4 and MW5 were installed in semi-consolidated saprolite. Monitoring well MW6 was installed in consolidated bedrock since indications of groundwater did not become apparent until approximately 30 to 35 feet BGL. Monitoring well MW6 is doubling as the vertical extent Type III monitoring well due to its construction history (no indications of groundwater in the unconsolidated regolith and it being constructed within the semi-consolidated to consolidated media) and its depth (41 feet).

The screened interval of each monitoring well was installed to bracket the water table to allow for the infiltration of non-aqueous phase liquids. Monitoring well construction data is summarized in Table 3. The soil boring logs, well installation details, and well construction records for monitoring wells MW1 – MW6 are contained in Appendix A. Well installation protocol used during the installation of the monitoring wells is detailed in Appendix D.

Well development was performed on monitoring wells MW4 – MW6 immediately after they were installed to minimize the accumulation of fine silt particles in the well and on the borehole wall. Development was performed using a fully decontaminated electric purge pump and new polyethylene tubing. The pump and tubing were completely decontaminated in between the development of each monitoring well.

On November 15, 2004, TerraQuest personnel collected groundwater samples from monitoring wells MW4 – MW6. Prior to collecting a groundwater sample from a well, the monitoring well was purged three well-volumes of groundwater using a new single-use disposable polyethylene bailer. After the purging process, the water column was allowed to return to near static before a groundwater sample was collected.

Groundwater samples were collected using the same purging bailer, placed in laboratory-prepared containers, and cooled on ice pending transportation to a North Carolina-certified environmental laboratory. The groundwater samples from each well were analyzed for gasoline-type constituents by EPA Methods 6210D + MTBE + IPE, 504.1 ethylene di-bromide (EDB), 625 BNA plus 10 non-target peaks, and 6010B for lead with a 3030c sample preparation method.

The groundwater analytical results of monitoring well MW4 – MW6 reveal contaminant concentrations above the 2L Standards in each of the monitoring wells. Monitoring well MW5 has eleven (11) compounds exceeding its 2L Standard and one compound, benzene, with concentrations exceeding its established GCL. Monitoring well MW4 has one (1) compound above the 2L Standard, benzene. Monitoring well MW6 has a di-isopropyl ether and a 1,2-Dibromomethane concentration above their respective 2L Standard. A list of the detected compounds and their corresponding 2L Standard and GCL is included in Table 4. Groundwater analytical results for MW1 – MW6 are displayed on Figure 7. The full analytical report is contained in Appendix B.

6.0 FREE PRODUCT INVESTIGATION

Since TerraQuest's involvement at the site, no non-aqueous phase liquids (free product) in the form of diesel, gasoline, kerosene, or heating oil have been observed in either the soil borings or the monitoring wells.

7.0 CONCLUSIONS AND RECOMMENDATIONS

TerraQuest performed various activities during the limited site assessment of the soil and groundwater quality at the Christian property. Primary assessment efforts focused on determining potential receptors in the area and performing a limited assessment of soil and groundwater contamination associated with the former gasoline, diesel, and kerosene USTs.

Based upon the findings of this assessment, the former diesel/gasoline/kerosene UST systems have impacted the soil and groundwater quality at the site with contaminant concentrations above the limits and standards established by the NCDWM. The site meets the criteria of an Intermediate risk ranking with the exceedences of the benzene GCL in monitoring wells MW1 and MW5. Given the commercial zoning categorization and current use of the property, the appropriate land use classification for the property is Industrial/Commercial. No in situ soil contamination exceeds the Industrial/Commercial MSCCs, but does exceed the S-t-G MSCCs.

A review of the groundwater analytical results of the entire monitoring well network (MW1-MW6) installed in the vicinity of the former UST and AST systems, groundwater contaminant plume originating from the former UST system has commingled with the groundwater contaminant plume from the former bulk-storage AST system. Groundwater contamination is present at the UST source (MW1 and MW5) and the AST source (MW2 and MW3) and in the groundwater in between the two sources (MW4). Since the two plumes have commingled, the cleanup levels for the release originating from the ASTs are the risk-based corrective action rules.

8.0 LIMITATIONS

This report is limited to the investigation of only petroleum hydrocarbons, such as gasoline, diesel, and kerosene, and does not imply that other unforeseen adverse impacts to the environment are not present at 206 East Main Street property. In addition, subsurface heterogeneities not identified during the current study may influence the migration of groundwater or contaminants in unpredicted ways. The limited amount of sampling and testing conducted during this study cannot practically reveal all subsurface heterogeneities. Furthermore, subsurface conditions, particularly groundwater flow, elevations, and water quality may vary through time. The opinions and conclusions arrived at in this report are in accordance with North Carolina Department of Environment and Natural Resources regulations and guidelines and industry-accepted geologic and hydrogeologic practices at this time and location. No warranty is implied or intended.

REFERENCES

Brown, et al., 1985, Geologic Map of North Carolina, North Carolina Department of Natural Resources and Community Development, 1:500,000 scale.

Town of Carrboro County Online Geographical Information System, http://ci.carrboro.nc.us

North Carolina Administrative Code, Title 15A, Chapter 2, Subchapter 2B, Section .0200, April 1, 1997, "Classifications and Water Quality Standards Applicable to Surface Waters and Wetlands of North Carolina".

North Carolina Administrative Code, Title 15A, Chapter 2, Subchapter 2L, Section .0202, November 20, 1998, "Classifications and Water Quality Standards Applicable to the Groundwaters of North Carolina ".

North Carolina Department of Environment and Natural Resources, Division of Waste Management, *Guidelines for Assessment and Corrective Action*, April 2001

North Carolina Department of Environment and Natural Resources, Division of Waste Management UST Section, *Guidelines for Sampling*, September 2003

Orange County Online Geographical Information System, http://co.orange.nc.us

USGS 7.5-Minute Quadrangle Topographic Map, Chapel Hill, North Carolina, 1978 Photorevised 1981.

Sanborn Insurance Maps, Carrboro, NC, 1925 and 1932.

Table 1 SITE HISTORY (UST & AST SYSTEM INFORMATION)

Date: 6/20/04 Incident Name: Don C. Christain Property Incident No: Pending Facility ID No: 0-026870

AST - 1	Waste Oil	650	Unknown	In Use
AST - 2	Heating Oil	280	Unknown	In Use
AST - 3	Heating Oil	280	Unknown	In Use
AST - 4	Heating Oil	280	Unknown	In Use
AST - 5	Heating Oil	16,000	Unknown	Closed
AST - 6	Heating Oil	16,000	Unknown	Closed
AST - 7	Kerosene	16,000	Unknown	Closed
AST - 8	Kerosene	16,000	Unknown	Closed
AST - 9	Gasoline	20,000	Unknown	Closed
AST - 10	Diesel	20,000	Unknown	Closed
AST - 11	Gasoline	6,000	Unknown	Closed
AST - 12	Empty	6,000	Unknown	Closed
UST - 1	Diesel	3,000	2/15/1980	11/18/1989
UST - 2	Kerosene	3,000	1/1/1970	11/18/1989
UST - 3	Diesel	3,000	2/15/1980	11/18/1989
UST - 4	Diesel	3,000	2/15/1980	11/18/1989
UST - 5	Gasoline	3,000	2/15/1970	11/18/1989
UST - 6	Diesel	1,000	2/15/1970	11/18/1989

Notes:

1. ASTs and USTs were all of steel construction.
2. Locations of the current and former ASTs and USTs are depicted on Figure 3.

Table: 2
Date: 6/20/04

SUMMARY OF INITIAL SITE ASSESSMENT SOIL SAMPLING RESULTS
Incident Name: Don C. Christain Property Incident No: Pending

Facility ID No: 0-026870

Sample ID	Date Collected	Sample Depth	Benzene	Toluene	Ethylbenzene	Total Xylenes	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Di-Isopropyl ether	cis-1,2-Dichloroethene	MTBE	Naphthalene	Methylene Chloride	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	1,2,4 Trimethylbenzene	1,3,5 Trimethylbenzene	Trichloroethene	Styrene	Vinyl Chloride	Acenaphthene	Anthracene	Fluorene	Phenanthrene	n-Nitrosodiphenylamine	Bis(2-ethylhexyl) phthalate
	Contaminant of Concern																											
B1	2/19/2004	1-3		<0.27					<0.054	<0.054	<0.054	<0.054		<0.27		5.1			0.33	<0.054	<0.054	<0.054	<8.2	<8.2	8.4	18	<8.2	<8.2
B1	2/19/2004	8-9	<0.055	<0.28		<0.16	0.78	0.73	<0.055	<0.055	<0.055	<0.055		<0.28	0.74	0.27	1.0	0.47	<0.055	<0.055	<0.055	<0.055	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4
B1	2/19/2004	15-16	<0.0058	<0.029	<0.0058	<0.017	0.024	0.015	0.015	<0.0058	<0.0058	<0.0058	0.050\<0.38	<0.029	0.0063	0.016	0.012	0.016	<0.0058	<0.0058	<0.0058	<0.0058	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
B2	2/19/2004	0.5-1.5	<0.054	<0.27		1.3	1.8		0.15	<0.054	<0.054	0.38		<0.27	1.9	2.3			<0.054	<0.054	<0.054	<0.054	<8.3	<8.3	<8.3	13	<8.3	<8.3
B2	2/19/2004	11.5-13	<0.054	<0.27		<0.16	1.2	1.1	<0.054	<0.054	<0.054	<0.054		<0.27	0.82	0.4	1.6	0.17	<0.054	<0.054	<0.054	<0.054	<0.38	<0.38	<0.38	0.53	<0.38	<0.38
B3	2/19/2004	5-6	<0.0013	<0.0064	<0.0013	<0.0039	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.014\<0.42	<0.0064	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42
B3	2/19/2004	12.5-13.5	<0.04	<0.2		<0.12	0.77	0.78	<0.04	<0.04	<0.04	<0.04	0.58\<0.36	<0.2	0.75	1.1	0.94	<0.04	<0.04	<0.04	<0.04	<0.04	<0.36	<0.36	<0.38	<0.36	<0.36	<0.36
B4	2/19/2004	6-7	0.0018	<0.006	<0.0012	<0.0036	<0.0012	<0.0012	<0.0012	0.0068	<0.0012	<0.0012	<0.0060\<0.40	<0.006	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
B4	2/19/2004	13-14	<0.10	<0.52		<0.31	1.6	1.5	<0.10	<0.10	<0.10	<0.10			1.4	2.9	2.0	0.65	1.9	<0.10	<0.10	<0.10	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
B5	2/19/2004	0.5-1.5	<0.0014	<0.0069	0.002	<0.0042	0.0025	0.003	<0.0014	<0.0014	<0.0014	<0.0014	<0.0069\<0.46	<0.0069	0.0018	<0.0014	0.0022	0.0050	<0.0014	<0.0014	<0.0014	<0.0014	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
B5	2/19/2004	11-12	<0.0012	<0.0061	<0.0012	<0.0036	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0061\<0.40	<0.0061	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
B6	2/19/2004	1-2		<0.18	0.22	0.16	<0.038	0.098	<0.036	<0.036	<0.036	0.3		<0.18	0.077	0.12	0.17	0.55	0.099	<0.036	<0.036	<0.036	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
B6	2/19/2004	5-6		<0.21		0.24	0.56	0.37	<0.043	<0.043	<0.043	0.56		<0.21	0.18	0.16	0.43	0.1600	0.048	<0.043	<0.043	<0.043	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3
B6	2/19/2004	15-16	0.0034	<0.0066	<0.0013	<0.0039	0.012	0.047	<0.0013	0.062	<0.0013	0.072	<0.0066\<0.43	<0.0066	0.014	0.014	<0.0013	0.0067	0.015	<0.0013	<0.0013	<0.0013	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
B7	2/19/2004	0.5-1.5		<0.16	0.19	0.17	0.54	0.36	<0.033	<0.033	<0.033	<0.033			0.12	<0.033	0.31	0.12	<0.033	<0.033	<0.033	<0.033	<0.38	<0.38	<0.38	0.69	<0.38	<0.38
B7	2/19/2004	6-7	<0.0013	<0.0064	0.05	0.012	0.059	0.036	<0.0013	<0.0013	<0.0013	0.002	0.25\0.48	<0.0064	0.027	<0.0013	0.062	0.0098	0.019	<0.0013	<0.0013	<0.0013	0.41	0.46	0.42	0.79	2.2	0.76
B7	2/19/2004	12-13	<0.0012	<0.0058	<0.0012	<0.0035	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	0.023	<0.0058\<0.38	<0.0058	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
B8	3/17/2004	2.5-3.5	0.0036	0.018	0.019	0.061	<0.0012	0.0038	<0.0012	<0.0012	0.0013	<0.0012	0.024\<0.40	<0.006	0.0034	0.0056	0.0081	0.055	0.022	<0.0012	<0.0012	<0.0012	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
B8	3/17/2004	15-16		<0.0059	0.017	0.012	<0.0012	0.0022	<0.0012	0.003	<0.0012	0.0042	0.0072\<0.39	<0.0059	0.0016	0.0043	0.0029	0.0038	<0.0012	<0.0012	<0.0012		<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
B9	3/17/2004	7.5-8.5		0.0083	0.018	0.036	0.05	0.024	0.0055	<0.0012	<0.0012	<0.0012	0.0069\<1.2	<0.0012	0.042	0.01	0.13	0.0042	0.007	<0.0012	<0.0012	<0.0012	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
B10	3/17/2004	12-13	0.0012	<0.0061	<0.0012	<0.0036	<0.0012	0.0023	<0.0012	<0.0012	<0.0012	<0.0012	<0.0061	<0.0061	<0.0012	0.0042	0.0014	0.0019	<0.0012	<0.0012	<0.0012	<0.0012	-	-	-	-	-	-
B11	3/17/2004	7-8						2.1	<0.26		<0.26	<0.26		<1.3		2.2				<0.26	<0.26	<0.26	-	-	-	-	-	-
B12	3/17/2004	10-11					0.43	0.21	<0.05	0.39	<0.05	<0.05		<0.25	0.4	0.28				<0.05	<0.05	<0.05	-	-	-	-	-	-
B13	3/17/2004	9-10					3.2	2.0	<0.56		<0.56	<0.56		<2.8		2.9				<0.56	<0.56	<0.56	-	-	-	-	-	-
B14	3/17/2004	11.5-12.5						2.9	<0.52		<0.52	<0.52		<2.6		3.4				<0.52		<0.52	-	-	-	-	-	-
B15	3/17/2004	9-10						2.8	<0.53		<0.53	<0.53		<2.6		3.4				<0.53	<0.53	<0.53	-	-	-	-	-	-
B16	3/17/2004	1-3	<0.52	<2.6	<0.52	<1.6	0.6	<0.52	<0.52	<0.52	<0.52	<0.52	<2.6	<2.6	<0.52	<0.52	0.7		0.9		<0.52	<0.52	-	-	-	-	-	-
B17	3/17/2004	1-3							<0.50	<0.50	<0.50	<0.50		<2.5		3.7				<0.50	<0.50	<0.50	-	-	-	-	-	-
B18	3/17/2004	9-10					<9.0	<9.0	<9.0	<9.0	<9.0	<9.0		<45	<9.0	<9.0				<9.0	<9.0	<9.0	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Soil to groundwater MSCC			0.0056	7	0.24	5	4	3	3	0.37	0.35	0.92	0.58	0.02	2	34	2	8	7	0.0183	2	NE	8	995	44	60	NE	6.67
Residential MSCC			22	3,200	1,560	32,000	156	156	156	156	156	156	63	85	1,564	489	156	782	782	58	3,128	NE	940	4,600	820	489	NE	46
Industrial /Commercial MSCC			200	82,000	40,000	200,000	4,088	4,088	4,088	4,088	4,000	4,088	1,635	763	40,880	12,264	4,088	20,440	20,440	520	81,760	NE	24,000	122,000	16,400	12,264	NE	410

Notes:

1. All results in mg/kg = parts per million (ppm).
2. Bold denotes a compound detection; Shading denotes a concentration exceeding a Soil-to-Groundwater MSCC (Maximum Soil Contaminant Concentration).
3. - not sampled for; < - denotes less than sample detection limit; NE - MSCC not established.
4. Sample depths are in feet below ground level.
5. Naphthalene results: 8260/8270 analysis.

Table: 3
Date: 1/4/05

MONITORING WELL CONSTRUCTION INFORMATION

Incident Name: Don C. Christain Property Incident No: Pending

Facility ID No: 0-026870

Well ID	Date Installed	Date Water Level Measured	Well Casing Depth (ft BGS)	Screened Interval (ft BGS)	Total Depth (ft BGS)	Top of Casing Elevation (ft)	Depth to Water (ft)	Free Product Thickness (ft)	Water Table Elevation (ft)	Comments
MW1	3/28/2004	1/4/2005	9.5	9.5 - 29.5	29.5	98.96	8.38	-	90.58	Type II
MW2	3/28/2004	1/4/2005	10.0	10 - 30	30.0	98.63	13.94	-	84.69	Type II
MW3	3/28/2004	1/4/2005	10.0	10 - 30	30.0	99.61	13.00	-	86.61	Type II
MW4	11/12/2004	1/4/2005	5.0	5 - 20	20.0	99.92	9.10	-	90.82	Type II
MW5	11/12/2004	1/4/2005	5.0	5 - 23	23.0	98.96	8.35	-	90.61	Type II
MW6	11/12/2004	1/4/2005	5.0	5 - 41	41.0	99.61	10.07	-	89.54	Type II

Notes:

1. All units in feet.
2. - Indicates no detection of free product found in the well.

Table 5 SURROUNDING PROPERTY OWNERS

Date: 1/20/05 Incident Name: Don C. Christian Property Incident No. Pending Facility ID No. 0-026870

Tax Parcel Numbers (Map ID Number)	Property Owner	Property Owner Address	Property Address	
9778 96 **6134**	Main Street Properties LLC	8 Kendall Drive Chapel Hill, NC 27517	Main Street Carrboro, NC 27510	E
9778 95 **5774**	Town of Carrboro	P.O. Box 337 Carrboro, NC 27510	Alongside Southern Railroad Carrboro, NC 27510	S
9778 95 **2758**	The Yaggy Corporation, Bagwell & Holt	111 Cloister Court, suite 200 Chapel Hill, NC 27514-2296	Sweet Bay Place Carrboro, NC 27510	SW
9778 96 **1193**	~~J.E. Booth~~ of Chapel Hill Main St Properties LLC	8794 ~~NC HWY 751~~ PO Box Durham, ~~NC 27713~~ 1152 Chapel Hill, 27515	Roberson Street Carrboro, NC 27510	W
9778 96 **1481**	Southern Railroad	NA	Railroad R/W	NW
9778 96 **3491**	Rebecca Bennett Sowers	1009 ~~Dawes Street~~ 11918 Millside Dr ~~Chapel Hill, NC 27516~~ Dinwiddie VA, 23841	207 E. Main Street Carrboro, NC 27510	N
9778 96 **4420**	Carolyn Bennett Sturgess	1009 ~~1011~~ Dawes Street Chapel Hill, NC 27516	209 E. Main Street Carrboro, NC 27510	N
9778 96 **5471**	W.L. & Laura Goins	300 Market Street, suite 200 Chapel Hill, NC 27516	301 E. Main Street Carrboro, NC 27510	NE

Notes:
1. Information gathered from Wake County Multi Access Parcel System.
2. Last 4 digits of MAP ID numbers correspond with those displayed on Figure 2.
3. NA - Not Available Information

Table 6
Date: 11/4/04

WATER SUPPLY WELL INFORMATION

Incident Name: Don C. Christain Property Incident No: Pending

Facility ID: 0-026870

Well ID No.	Well Owner Address	Well Address	Phone No.	Water Use	Well Type	Drilled or Dug	Total Well Depth (ft. BGS)	Casing Depth (ft. BGS)	Screen Interval (ft. BGS)	Distance from Source Area of Release (ft.)
PW1	Southern States Cooperative Post Office Box 26234 Richmond, VA 23260	Southern States 300 N. Greensboro Street Carrboro, NC 27510	919-942-3857	Irrigation	Unknown	Drilled	Unknown	Unknown	Unknown	1,150
PW2	Southern Equipment Company Post Office Box 27326 Raleigh, NC 27611	Ready-Mix Concrete 219 Guthrie Ave. Carrboro, NC 27510	919-790-1520	Irrigation	200	Drilled	Unknown	Unknown	Unknown	1,100
PW3	Thomas Tucker 1289 N. Fordam Blvd. Suite 400 Chapel Hill, NC 27514	Carolina Car Wash 414 E. Main Street Carrboro, NC 27510	919-929-9122	Irrigation	Unknown	Drilled	Unknown	Unknown	Unknown	980

Notes:
1. ft. BGS - feet below ground surface // NA - Not Available.
2. Information obtained from TerraQuest field interviews and returned survey forms.
3. Well ID number and well location are displayed on Figure 2.

N

MAP SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP OF CHAPEL HILL, NC

GRAPHIC SCALE

0' 2,000' 4,000'

TERRAquest

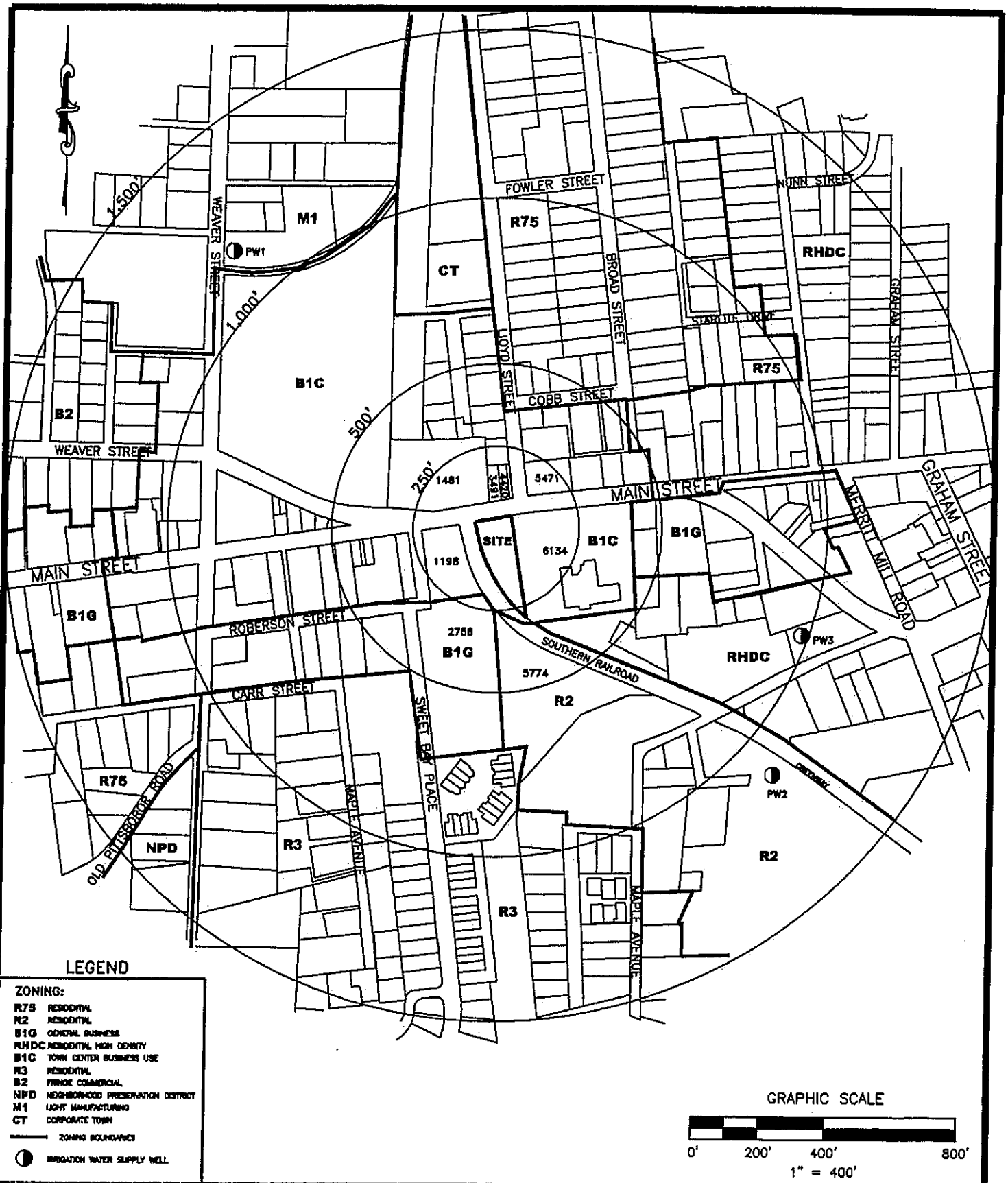
ENVIRONMENTAL CONSULTANTS, P.C.

SITE LOCATION MAP

DON C. CHRISTIAN CO INC. PROPERTY
206 E. MAIN STREET
CARRBORO, NC

MAIN STREET PROPERTIES OF CHAPEL HILL, LLC — CHAPEL HILL, NC

PROJECT NO.	06104	DRAWN BY:	JRG	DATE:	1/21/05
SCALE:	1" = 2,000'	CHECKED BY:	MJB	FIGURE NO.	1



LEGEND

ZONING:

- R75 RESIDENTIAL
- R2 RESIDENTIAL
- B1G GENERAL BUSINESS
- RHDC RESIDENTIAL HIGH DENSITY
- B1C TOWN CENTER BUSINESS USE
- R3 RESIDENTIAL
- B2 FRINGE COMMERCIAL
- NPD NEIGHBORHOOD PRESERVATION DISTRICT
- M1 LIGHT MANUFACTURING
- CT CORPORATE TOWN
- ZONING BOUNDARIES
- IRRIGATION WATER SUPPLY WELL

GRAPHIC SCALE

0' 200' 400' 800'

1" = 400'

TERRAquest

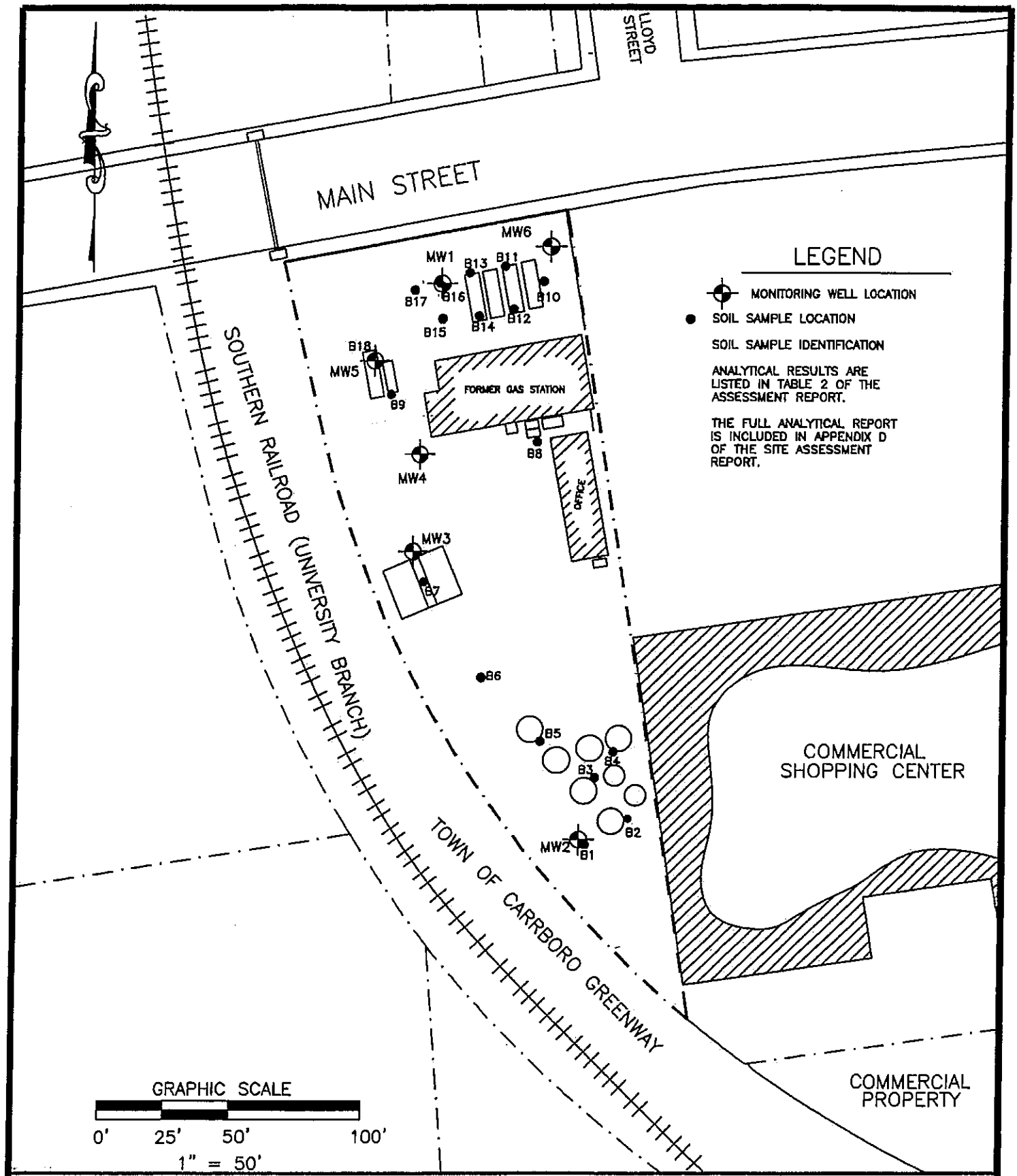
ENVIRONMENTAL CONSULTANTS, P.C.

SITE VICINITY MAP

DON C. CHRISTIAN CO. INC. PROPERTY
206 E. MAIN STREET
CARRBORO, NC

MAIN STREET PROPERTIES OF CHAPEL HILL, LLC — CHAPEL HILL, NC

PROJECT NO.	06104	DRAWN BY:	JAK	DATE:	1/21/05
SCALE:	1" = 400'	CHECKED BY:	JRG	FIGURE NO.	2

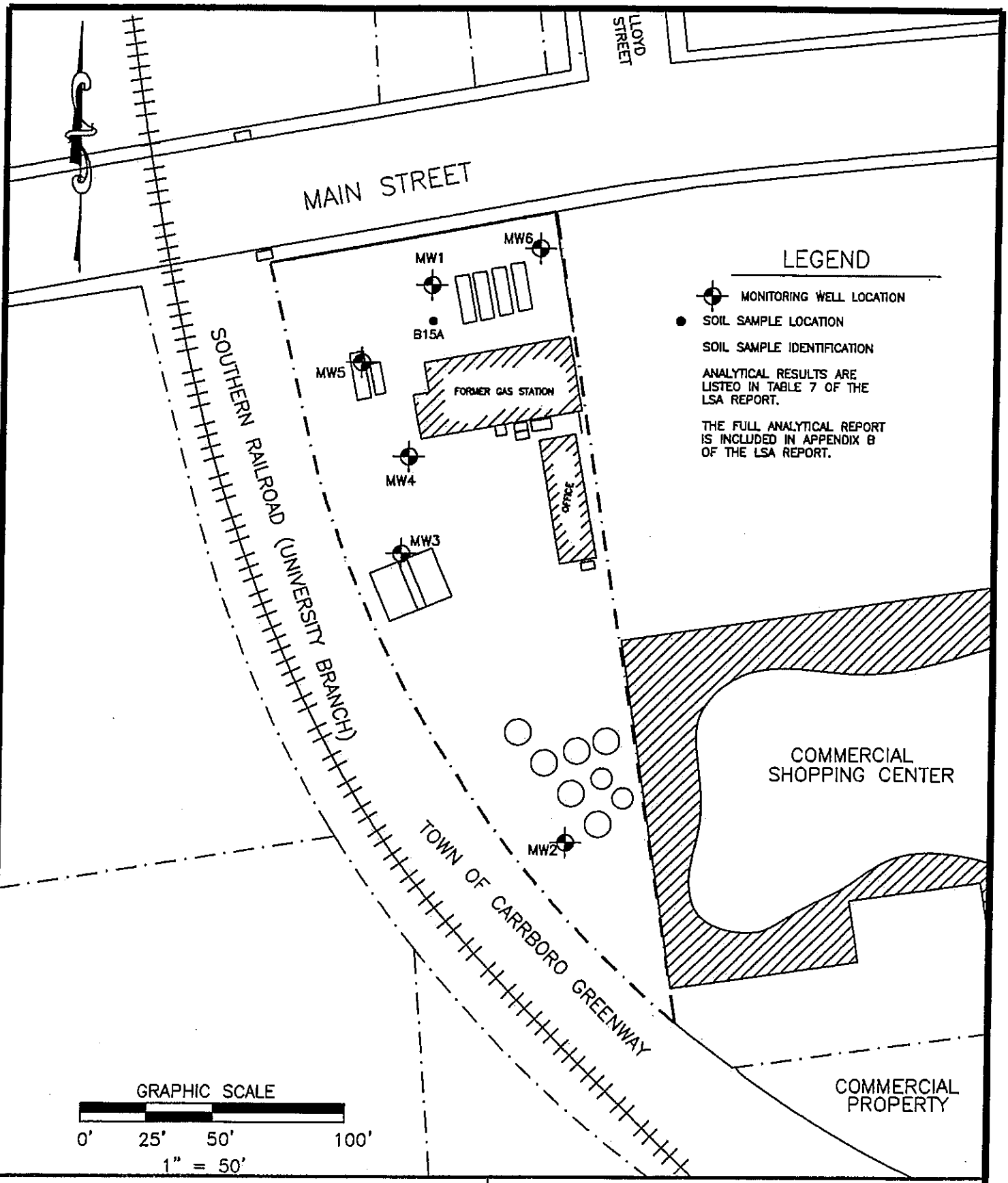


TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

INITIAL SITE ASSESSMENT SOIL SAMPLE LOCATION MAP
DON C. CHRISTIAN CO. INC. PROPERTY
206 E. MAIN STREET
CARRBORO, NC

MAIN STREET PROPERTIES OF CHAPEL HILL, LLC — CHAPEL HILL, NC

PROJECT NO.	08104	DRAWN BY:	JRG/JAK	DATE:	1/21/05
SCALE:	1" = 50'	CHECKED BY:	MJB	FIGURE NO.	4



TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

LSA SOIL SAMPLE LOCATION MAP
DON C. CHRISTIAN CO. INC. PROPERTY
206 E. MAIN STREET
CARRBORO, NC

MAIN STREET PROPERTIES OF CHAPEL HILL, LLC — CHAPEL HILL, NC

PROJECT NO.	06104	DRAWN BY:	JRG/JAK	DATE:	1/21/05
SCALE:	1" = 50'	CHECKED BY:	MJB	FIGURE NO.	6

TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

LEGEND FOR SOIL BORING LOGS AND WELL COMPLETION DIAGRAMS

GRAPHIC SYMBOL	LETTER SYMBOL	TYPICAL DESCRIPTION
	GW	Well–graded gravels, gravel–sand mixtures.
	GP	Poorly–graded gravels, gravel–sand mixtures.
	GM	Silty gravels, gravel–silt–sand mixtures.
	GC	Clayey gravels, gravel–sand–clay mixtures.
	SW	Well–graded sands, gravelly sands.
	SP	Poorly–graded sands, gravelly–sands.
	SM	Silty sands, sand–silt mixtures.
	SC	Clayey sands, sand–clay mixtures.

GRAPHIC SYMBOL	LETTER SYMBOL	TYPICAL DESCRIPTION
	ML	Inorganic silts and very fine sands, silty or clayey fine sands.
	CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty or lean clays.
	OL	Organic silts and clays.
	MH	Micaceous or silty soils.
	CH	Inorganic clays of high plasticity.
	OH	Organic clays, organic silts with medium to high plasticity.
		Saprolite with the soil characteristics of a sand, gravel, silt, or clay.
		Bedrock

WELL COMPLETION SYMBOLS

- PORTLAND CEMENT
- BENTONITE
- WELL SAND

Classification symbol and name are based upon the visual–manual procedures described in ASTM Test Method D 2488.

BLOWS/FT.	DENSITY	BLOWS/FT.	CONSISTENCY	COMPONENT %	
0–4	VERY LOOSE	0–2	VERY SOFT	MOSTLY	50–100%
5–10	LOOSE	3–4	SOFT	SOME	30–45%
11–30	MED. DENSE	5–8	MEDIUM STIFF	LITTLE	15–25%
31–50	DENSE	9–15	STIFF	FEW	5–10%
		16–30	VERY STIFF	TRACE	<5%
		31+	HARD		

TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

BORING LOG

Contractor: TerraQuest	Date Started: 2/19/04	Boring Number: 15A
Equipment: Geoprobe 6610DT	Date Finished: 2/19/04	
Driller: Nick Perry	Logged by: Jonathan Grubbs	

Sample	Blow Counts	OVM (ppm)	Depth Feet	Lithology	Description
	NA	-			Sandy Gravelly Clay (CL) medium stiff, yellowish-orange/tan/white, mostly clay, some fine to coarse sand, few gravel (<1/2"), dry
	NA	1660	5		
	NA	-			
	NA	>10,000	10		Saprolite soil characteristics of a Gravelly Sand (SC), dense, white/tan/yellowish-orange, mostly fine to coarse-grained sand, some to little gravel (<1/2"), few clay, dry, Refusal @ 16' BGL. Boring Terminated at 16' BGL.
	NA	9,120			
	NA	>10,000	15		

Scale as shown: Hatch pattern denotes soil sample depth;
Solid denotes lab sample depth; Lithology hatch pattern legend is attached;
NA - Not Applicable; BGL - Below Groundlevel

Site:
Don Christian Co., Inc. Property
206 E. Main St.
Carrboro, NC

Client:
Main Street Properties of Chapel Hill
Post Office Box 2152
Chapel Hill, NC 27515

Project No.: 03603 **Page** 1

TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

BORING LOG/MONITORING WELL INSTALLATION DETAIL

Contractor: TerraQuest	Date Started: 3/25/04	Boring Number:
Drill Method: Air Hammer	Date Finished: 3/25/04	MW1
Driller: Mike Ransier	Logged by: Ryan Kerins	

Sample	Blow Counts	Completion	OVM (ppm)	Depth Feet	Lithology	Description
	NA		-	5		Sandy Gravelly Clay (CL) medium stiff, yellowish-orange/tan/white, mostly clay, some fine to coarse sand, few gravel (<1/2"), dry
				10 15		Saprolite soil characteristics of a Gravelly Sand (SC), dense, white/tan/yellowish-orange, mostly fine to coarse-grained sand, some to little gravel (<1/2"), few clay, dry
				20 25 30		Bedrock Weathered Chapel Hill Granite Boring Terminated @ 29.5' BGL.

Scale as shown; Hatch pattern denotes soil sample depth;
Solid denotes lab sample depth; Lithology hatch pattern legend is attached;

Well Construction

2" diameter Sch. 40 PVC; .010" slotted screen
Sand: no. 2 sand; Grout: poured portland; Bentonite: poured pellets
Manhole: flush 8" diameter steel
NA - Not Applicable; BGL - Below Ground Level

Site:
Don Christian Co., Inc. Property
206 E. Main St.
Carrboro, NC 27510

Client:
Main Street Properties of Chapel Hill
Post Office Box 2152
Chapel Hill, NC 27515

Project No.: 03603 **Page** 1

WELL CONSTRUCTION RECORD

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

WELL CONTRACTOR (INDIVIDUAL) NAME: Michael Ransier **CERTIFICATION # 2601**

WELL CONTRACTOR COMPANY NAME: Ransier Environmental Drilling, Inc. **PHONE#** 910-235-0686

STATE WELL CONSTRUCTION PERMIT# N/A ASSOCIATED WQ PERMIT # N/A

1. WELL USE: Residential Municipal/Public Industrial Agricultural
Recovery Heat Pump/Water Inj. **Monitoring** X Other:

2. WELL LOCATION: Carrboro
Nearest Town: **County:** Orange
206 E. Main Street
(Street Name, Numbers, Community, Subdivision, Lot No, Zip Code)

Topographic/Land Setting
Ridge **Flat** Valley Slope
Latitude/longitude of well location
degrees/minutes/seconds
Latitude/longitude source: GPS__Topo map__

3. OWNER: Main Street Properties
Address: 206 E. Main Street
Carrboro NC
City or Town State Zip Code
Phone number:

4. DATE DRILLED: 3/25/2004
5.TOTAL DEPTH: 29.5
6. DOES WELL REPLACE EXISTING WELL? YES NO X
7. WATER LEVEL Below Top of Casing. 19 **Ft.**
(Use "+" if Above Top of Casing)
8.TOP OF CASING IS -0.2 **Ft. Above Land Surface***
*TOP of casing terminated at or below land surface requires a variance in accordance with 15A NCAC 2C .0118.
9. YIELD (gpm): _____ **Test Method:** _____
10 WATER ZONES (depth) _____
11. DISINFECTION: Type **Amount**

DEPTH From	DEPTH To	DRILLING LOG Formation Description
0	0.5	asphalt
0.5	16	brown clayey sand
16	29.5	weathered rock

12. CASING:

	Depth		Diameter	Wall Thickness or Weight/Ft.	Material
From -0.2	To	9.5'	2"	Sch 40	PVC
From	To				
From	To				

13. GROUT:

		Material	Method
From 0.5	To 8.5'	Portland	Tremmie
From 8.5'	To 9.5'	Bentonite	

14. SCREEN:

		Diameter	Slot Size	Material
From 9.5'	To 29.5	2"	0.01	PVC
From	To			

15. SAND/GRAVEL PACK:

		Size	Material
From 8.5'	To 29.5	Medium	Quartz
From	To		

LOCATION SKETCH
Show direction and distance in miles from at least two State or County Roads. Include the road numbers and common road names.
E. Main Street

MW-1

16. REMARKS:

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

Mike Ransier 4/13/2004
SIGNATURE OF PERSON CONSTRUCTING THE WELL **DATE**

Submit the original to the Division of Water Quality, Groundwater Section, 1636 Mail Service Center - Raleigh, NC 27699-1636 Phone No. (919) 733-3221, within 30 days.

GW-1 REV. 7/2001

TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

BORING LOG/MONITORING WELL INSTALLATION DETAIL

Contractor: TerraQuest	Date Started: 3/25/04	Boring Number:
Drill Method: Air Hammer	Date Finished: 3/25/04	MW2
Driller: Mike Ransier	Logged by: Ryan Kerins	

Sample	Blow Counts	Completion	OVM (ppm)	Depth Feet	Lithology	Description
				5		Sandy Gravelly Clay (CL) medium stiff, yellowish-orange/tan/white, mostly clay, some fine to coarse sand, few gravel (<1/2"), dry
	NA		-	10 15		Saprolite soil characteristics of a Gravelly Sand (SC), dense, white/tan/yellowish-orange, mostly fine to coarse-grained sand, some to little gravel (<1/2"), few clay, dry
				20 25 30		Bedrock Weathered Chapel Hill Granite Boring Terminated @ 30' BGL.

Scale as shown; Hatch pattern denotes soil sample depth;
Solid denotes lab sample depth; Lithology hatch pattern legend is attached;

Well Construction

2" diameter Sch. 40 PVC; .010" slotted screen
Sand: no. 2 sand; Grout: poured portland; Bentonite: poured pellets
Manhole: flush 8" diameter steel
NA - Not Applicable; BGL - Below Ground Level

Site:
Don Christian Co., Inc. Property
206 E. Main St.
Carrboro, NC 27510

Client:
Main Street Properties of Chapel Hill
Post Office Box 2152
Chapel Hill, NC 27515

Project No.: 03603 **Page** 1

WELL CONSTRUCTION RECORD

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

WELL CONTRACTOR (INDIVIDUAL) NAME: Michael Ransier **CERTIFICATION # 2501**

WELL CONTRACTOR COMPANY NAME: Ransier Environmental Drilling, Inc. **PHONE# 910-235-0686**

STATE WELL CONSTRUCTION PERMIT# N/A ASSOCIATED WQ PERMIT # N/A

1. WELL USE: Residential Municipal/Public Industrial Agricultural
Recovery Heat Pump/Water Inj. **Monitoring X** Other:

2. WELL LOCATION: Carrboro
Nearest Town: _____ **County:** Orange
206 E. Main Street
(Street Name, Numbers, Community, Subdivision, Lot No, Zip Code)

Topographic/Land Setting
Ridge Flat Valley Slope
Latitude/longitude of well location
_____
degrees/minutes/seconds
Latitude/longitude source: GPS__Topo map__

3. OWNER: Main Street Properties
Address: 206 E. Main Street
Carrboro NC
City or Town State Zip Code
Phone number:

4. DATE DRILLED: 3/25/2004
5.TOTAL DEPTH: 30
6. DOES WELL REPLACE EXISTING WELL? YES NO X
7. WATER LEVEL Below Top of Casing. 19 Ft.
(Use "+" if Above Top of Casing)
8.TOP OF CASING IS -0.2 **Ft. Above Land Surface***
*TOP of casing terminated at or below land surface requires a variance in accordance with 15A NCAC 2C .0118.
9. YIELD (gpm): _____ **Test Method:** _____
10 WATER ZONES (depth) _____
11. DISINFECTION: Type **Amount**

DEPTH From	To	DRILLING LOG Formation Description
0	0.5	topsoil
0.5	16	brown clayey sand
16	30	weathered rock

12. CASING:

	Depth		Diameter	Wall Thickness or Weight/Ft.	Material
From -0.2	To	10'	2"	Sch 40	PVC
From	To				
From	To				

13. GROUT:

		Material	Method
From 0.5	To 8'	Portland	Tremmie
From 8	To 9	Bentonite	

14. SCREEN:

		Diameter	Slot Size	Material
From 10'	To 30	2"	0.01	PVC
From	To			

15. SAND/GRAVEL PACK:

		Size	Material
From 9'	To 30	Medium	Quartz
From	To		

LOCATION SKETCH
Show direction and distance in miles from at least two State or County Roads. Include the road numbers and common road names.
E. Main Street

MW-2

16. REMARKS:

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

Mike Ransier 4/13/2004
SIGNATURE OF PERSON CONSTRUCTING THE WELL **DATE**

Submit the original to the Division of Water Quality, Groundwater Section, 1636 Mail Service Center - Raleigh, NC 27699-1636 Phone No. (919) 733-3221, within 30 days.

GW-1 REV. 7/2001

BORING LOG/MONITORING WELL INSTALLATION DETAIL

TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

Contractor: TerraQuest	Date Started: 3/25/04	Boring Number:
Drill Method: Air Hammer	Date Finished: 3/25/04	MW3
Driller: Mike Ransier	Logged by: Ryan Kerins	

Sample	Blow Counts	Completion	OVM (ppm)	Depth Feet	Lithology	Description
	NA		-	5		Sandy Gravelly Clay (CL) medium stiff, yellowish-orange/tan/white, mostly clay, some fine to coarse sand, few gravel (<1/2"), dry
				10 15		Saprolite soil characteristics of a Gravelly Sand (SC), dense, white/tan/yellowish-orange, mostly fine to coarse-grained sand, some to little gravel (<1/2"), few clay, dry
				20 25 30		Bedrock Weathered Chapel Hill Granite Boring Terminated @ 30' BGL.

Scale as shown; Hatch pattern denotes soil sample depth;
Solid denotes lab sample depth; Lithology hatch pattern legend is attached;

Well Construction

2" diameter Sch. 40 PVC; .010" slotted screen
Sand: no. 2 sand; Grout: poured portland; Bentonite: poured pellets
Manhole: flush 8" diameter steel
NA - Not Applicable; BGL - Below Ground Level

Site:
Don Christian Co., Inc. Property
206 E. Main St.
Carrboro, NC 27510

Client:
Main Street Properties of Chapel Hill
Post Office Box 2152
Chapel Hill, NC 27515

Project No.: 03603 **Page** 1

WELL CONSTRUCTION RECORD

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

WELL CONTRACTOR (INDIVIDUAL) NAME: Michael Ransler **CERTIFICATION # 2501**

WELL CONTRACTOR COMPANY NAME: Ransler Environmental Drilling, Inc. **PHONE# 910-235-0686**

STATE WELL CONSTRUCTION PERMIT# N/A ASSOCIATED WQ PERMIT # N/A

1. WELL USE: Residential Municipal/Public Industrial Agricultural Recovery Heat Pump/Water Inj. **Monitoring** X Other:

2. WELL LOCATION: Carrboro

Nearest Town: **County:** Orange

206 E. Main Street

(Street Name, Numbers, Community, Subdivision, Lot No, Zip Code)

Topographic/Land Setting

Ridge Flat Valley Slope

Latitude/longitude of well location

degrees/minutes/seconds

Latitude/longitude source: GPS__Topo map__

3. OWNER: Main Street Properties

Address: 206 E. Main Street

Carrboro NC

City or Town State Zip Code

Phone number:

4. DATE DRILLED: 3/25/2004

5.TOTAL DEPTH: 30

6. DOES WELL REPLACE EXISTING WELL? YES NO X

7. WATER LEVEL Below Top of Casing. 19 **Ft.**

(Use "+" if Above Top of Casing)

8.TOP OF CASING IS -0.2 **Ft. Above Land Surface***

*TOP of casing terminated at or below land surface requires a variance in accordance with 15A NCAC 2C .0118.

9. YIELD (gpm): _____ **Test Method:** _____

10 WATER ZONES (depth)

11. DISINFECTION: Type **Amount**

DRILLING LOG

DEPTH From	DEPTH To	Formation Description
0	0.5	topsoil
0.5	18	brown clayey sand
18	30	weathered rock

12. CASING:

	Depth		Diameter	Wall Thickness or Weight/Ft.	Material
From -0.2	To	10'	2"	Sch 40	PVC
From	To				
From	To				

13. GROUT:

		Material	Method
From 0.5	To 8'	Portland	Tremmie
From 8'	To 9'	Bentonite	

14. SCREEN:

		Diameter	Slot Size	Material
From 10'	To 30	2"	0.01	PVC
From	To			

15. SAND/GRAVEL PACK:

		Size	Material
From 9'	To 30	Medium	Quartz
From	To		

LOCATION SKETCH

Show direction and distance in miles from at least two State or County Roads. Include the road numbers and common road names.

E. Main Street

MW-3

16. REMARKS:

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

Mike Ransler 4/13/2004

SIGNATURE OF PERSON CONSTRUCTING THE WELL **DATE**

Submit the original to the Division of Water Quality, Groundwater Section, 1636 Mail Service Center - Raleigh, NC 27699-1636 Phone No. (919) 733-3221, within 30 days.

GW-1 REV. 7/2001

TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

BORING LOG/MONITORING WELL INSTALLATION DETAIL

Contractor: TerraQuest	Date Started: 3/25/04	Boring Number:
Drill Method: HS Auger	Date Finished: 3/25/04	MW4
Driller: Mike Bansler	Logged by: Ryan Kerins	

Sample	Blow Counts	Completion	OVM (ppm)	Depth Feet	Lithology	Description
	NA			5		Sandy Gravelly Clay (CL) medium stiff, yellowish-orange/tan/white, mostly clay, some fine to coarse sand, few gravel (<1/2"), dry
				10 15		Saprolite soil characteristics of a Gravelly Sand (SC), dense, white/tan/yellowish-orange, mostly fine to coarse-grained sand, some to little gravel (<1/2"), few clay, dry
				20		Saprolite Weathered Chapel Hill Granite Boring Terminated @ 20' BGL.
				25 30		

Scale as shown; Hatch pattern denotes soil sample depth;
Solid denotes lab sample depth; Lithology hatch pattern legend is attached;

Well Construction

2" diameter Sch. 40 PVC; .010" slotted screen
Sand: no. 2 sand; Grout: poured portland; Bentonite: poured pellets
Manhole: flush 8" diameter steel
NA - Not Applicable; BGL - Below Ground Level

Site:
Don Christian Co., Inc. Property
206 E. Main St.
Carrboro, NC 27510

Client:
Main Street Properties of Chapel Hill
Post Office Box 2152
Chapel Hill, NC 27515

Project No.: 03603

WELL CONSTRUCTION RECORD

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

WELL CONTRACTOR (INDIVIDUAL) NAME: Michael Ransier **CERTIFICATION # 2501**

WELL CONTRACTOR COMPANY NAME: Ransier Environmental Drilling, Inc. **PHONE#** 910-235-0686

STATE WELL CONSTRUCTION PERMIT# N/A ASSOCIATED WQ PERMIT # N/A

1. WELL USE: Residential Municipal/Public Industrial Agricultural Recovery Heat Pump/Water Inj. **Monitoring** X Other:

2. WELL LOCATION: Carrboro

Nearest Town: _____ **County:** Orange

206 E. Main Street

(Street Name, Numbers, Community, Subdivision, Lot No, Zip Code)

Topographic/Land Setting

Ridge **Flat** Valley Slope

Latitude/longitude of well location

_____

degrees/minutes/seconds

Latitude/longitude source: GPS__Topo map__

3. OWNER: Main Street Properties

Address: 206 E. Main Street

Carrboro NC

City or Town State Zip Code

Phone number:

4. DATE DRILLED: 11/12/2004

5.TOTAL DEPTH: 20

6. DOES WELL REPLACE EXISTING WELL? YES NO X

7. WATER LEVEL Below Top of Casing. 12 **Ft.**

(Use "+" if Above Top of Casing)

8.TOP OF CASING IS -0.2 **Ft. Above Land Surface***

*TOP of casing terminated at or below land surface requires a variance in accordance with 15A NCAC 2C .0118.

9. YIELD (gpm): _____ **Test Method:** _____

10 WATER ZONES (depth) _____

11. DISINFECTION: Type **Amount**

DEPTH From	DEPTH To	DRILLING LOG Formation Description
0	0.5	topsoil/grass
0.5	20	brown clayey sand
		MW-4

12. CASING:

	Depth		Diameter	Wall Thickness or Weight/Ft.	Material
From -0.2	To	5	2"	Sch 40	PVC
From	To				
From	To				

13. GROUT:

			Material	Method
From 0.5	To	1	Portland	Tremmie
From	To			

14. SCREEN:

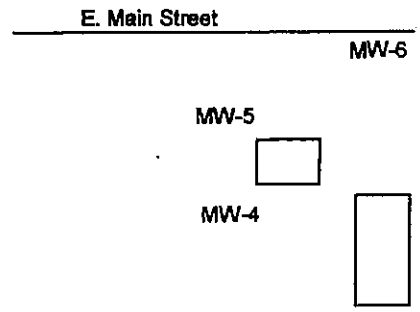
			Diameter	Slot Size	Material
From 5	To	20	2"	0.01	PVC
From	To				

15. SAND/GRAVEL PACK:

			Size	Material
From 3	To	20	Medium	Quartz
From	To			

LOCATION SKETCH

Show direction and distance in miles from at least two State or County Roads. Include the road numbers and common road names.



16. REMARKS:

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

Mike Ransier 12/2/2004

SIGNATURE OF PERSON CONSTRUCTING THE WELL **DATE**

Submit the original to the Division of Water Quality, Groundwater Section, 1636 Mail Service Center - Raleigh, NC 27699-1636 Phone No. (919) 733-3221, within 30 days.

GW-1 REV. 7/2001

TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

BORING LOG/MONITORING WELL INSTALLATION DETAIL

Contractor: TerraQuest	Date Started: 11/12/04	Boring Number:
Drill Method: Air Hammer	Date Finished: 11/12/04	MW5
Driller: Mike Ransier	Logged by: Ryan Kerins	

Sample	Blow Counts	Completion	OVM (ppm)	Depth Feet	Lithology	Description
						Asphalt
						Sandy Gravelly Clay (CL) medium stiff, yellowish-orange/tan/white, mostly clay, some fine to coarse sand, few gravel (<1/2"), dry
				5		
						Saprolite soil characteristics of a Gravelly Sand (SC), dense, white/tan/yellowish-orange, mostly fine to coarse-grained sand, some to little gravel (<1/2"), few clay, dry
				10		
	NA		-			
				15		
						Saprolite Weathered Chapel Hill Granite Boring Terminated @ 23' BGL.
				20		
				25		
				30		

Scale as shown; Hatch pattern denotes soil sample depth;
Solid denotes lab sample depth; Lithology hatch pattern legend is attached;

Well Construction

2" diameter Sch. 40 PVC; .010" slotted screen
Sand: no. 2 sand; Grout: poured portland; Bentonite: poured pellets
Manhole: flush 8" diameter steel
NA - Not Applicable; BGL - Below Ground Level

Site:
Don Christian Co., Inc. Property
206 E. Main St.
Carrboro, NC 27510

Client:
Main Street Properties of Chapel Hill
Post Office Box 2152
Chapel Hill, NC 27515

Project No.: 03603 **Page** 1

WELL CONSTRUCTION RECORD

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

WELL CONTRACTOR (INDIVIDUAL) NAME: Michael Ransier **CERTIFICATION # 2501**

WELL CONTRACTOR COMPANY NAME: Ransier Environmental Drilling, Inc. **PHONE# 910-235-0686**

STATE WELL CONSTRUCTION PERMIT# N/A ASSOCIATED WQ PERMIT # N/A

1. WELL USE: Residential Municipal/Public Industrial Agricultural
Recovery Heat Pump/Water Inj. **Monitoring** X Other:

2. WELL LOCATION: Carrboro
Nearest Town: _____ **County:** Orange
206 E. Main Street
(Street Name, Numbers, Community, Subdivision, Lot No, Zip Code)

Topographic/Land Setting
Ridge **Flat** Valley Slope
Latitude/longitude of well location
_____
degrees/minutes/seconds
Latitude/longitude source: GPS__Topo map__

3. OWNER: Main Street Properties
Address: 206 E. Main Street
Carrboro NC
City or Town State Zip Code
Phone number:

4. DATE DRILLED: 11/12/2004
5.TOTAL DEPTH: 23
6. DOES WELL REPLACE EXISTING WELL? YES NO X
7. WATER LEVEL Below Top of Casing. 12 **Ft.**
(Use "+" if Above Top of Casing)
8.TOP OF CASING IS -0.2 **Ft. Above Land Surface***
*TOP of casing terminated at or below land surface requires a variance in accordance with 15A NCAC 2C .0118.
9. YIELD (gpm): _____ **Test Method:** _____
10 WATER ZONES (depth) _____
11. DISINFECTION: Type **Amount**

DEPTH From	DEPTH To	DRILLING LOG Formation Description
0	0.5	asphalt
0.5	21	brown clayey sand
21	23	pwr
		MW-5

12. CASING:

	Depth		Diameter	Wall Thickness or Weight/Ft.	Material
From -0.2	To	5	2"	Sch 40	PVC
From	To				
From	To				

13. GROUT:

		Material	Method
From 0.5	To 1	Portland	Tremmie
From	To		

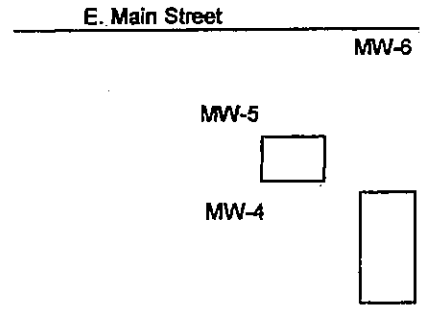
14. SCREEN:

		Diameter	Slot Size	Material
From 5	To 23	2"	0.01	PVC
From	To			

15. SAND/GRAVEL PACK:

		Size	Material
From 3	To 23	Medium	Quartz
From	To		

LOCATION SKETCH
Show direction and distance in miles from at least two State or County Roads. Include the road numbers and common road names.



16. REMARKS:

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

Mike Ransier 12/2/2004
SIGNATURE OF PERSON CONSTRUCTING THE WELL **DATE**

Submit the original to the Division of Water Quality, Groundwater Section, 1636 Mail Service Center - Raleigh, NC 27699-1636 Phone No. (919) 733-3221, within 30 days.

GW-1 REV. 7/2001

TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

BORING LOG/MONITORING WELL INSTALLATION DETAIL

Contractor: TerraQuest	Date Started: 11/12/04	Boring Number:
Drill Method: HS Auger/Air Hammer	Date Finished: 11/12/04	MW6
Driller: Mike Ransier	Logged by: Ryan Kerins	

Sample	Blow Counts	Completion	OVM (ppm)	Depth Feet	Lithology	Description
						Asphalt
				5		Sandy Gravelly Clay (CL) medium stiff, yellowish-orange/tan/white, mostly clay, some fine to coarse sand, few gravel (<1/2"), dry
				10		Bedrock Weathered Chapel Hill Granite
				15		
	NA		-	20		Boring Terminated @ 41' BGL.
				25		
				30		
				35		
				40		

Scale as shown; Hatch pattern denotes soil sample depth;
Solid denotes lab sample depth; Lithology hatch pattern legend is attached;

Well Construction

2" diameter Sch. 40 PVC; .010" slotted screen
Sand: no. 2 sand; Grout: poured portland; Bentonite: poured pellets
Manhole: flush 8" diameter steel
NA - Not Applicable; BGL - Below Ground Level

Site:
Don Christian Co., Inc. Property
206 E. Main St.
Carrboro, NC 27510

Client:
Main Street Properties of Chapel Hill
Post Office Box 2152
Chapel Hill, NC 27515

Project No.: 03603 **Page** 1

WELL CONSTRUCTION RECORD

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

WELL CONTRACTOR (INDIVIDUAL) NAME: Michael Ransier **CERTIFICATION # 2501**

WELL CONTRACTOR COMPANY NAME: Ransier Environmental Drilling, Inc. **PHONE# 910-235-0686**

STATE WELL CONSTRUCTION PERMIT# N/A ASSOCIATED WQ PERMIT # N/A

1. WELL USE: Residential Municipal/Public Industrial Agricultural
Recovery Heat Pump/Water Inj. **Monitoring** X Other:

2. WELL LOCATION: Carrboro
Nearest Town: **County:** Orange
206 E. Main Street
(Street Name, Numbers, Community, Subdivision, Lot No, Zip Code)

Topographic/Land Setting
Ridge Flat Valley Slope
Latitude/longitude of well location
degrees/minutes/seconds
Latitude/longitude source: GPS__Topo map__

3. OWNER: Main Street Properties
Address: 206 E. Main Street
Carrboro NC
City or Town State Zip Code
Phone number:

4. DATE DRILLED: 11/12/2004
5.TOTAL DEPTH: 41
6. DOES WELL REPLACE EXISTING WELL? YES NO X
7. WATER LEVEL Below Top of Casing. 26 **Ft.**
(Use "+" if Above Top of Casing)
8.TOP OF CASING IS -0.2 **Ft. Above Land Surface***
*TOP of casing terminated at or below land surface requires a variance in accordance with 15A NCAC 2C .0118.
9. YIELD (gpm): _____ **Test Method:** _____
10 WATER ZONES (depth)
11. DISINFECTION: Type **Amount**

DEPTH From	DEPTH To	DRILLING LOG Formation Description
0	0.5	asphalt
0.5	9	brown clayey sand
9	41	rock
		MW-6

12. CASING:

	Depth		Diameter	Wall Thickness or Weight/Ft.	Material
From -0.2	To	6	2"	Sch 40	PVC
From	To				
From	To				

13. GROUT:

			Material	Method
From 0.5	To	1	Portland	Tremmie
From	To			

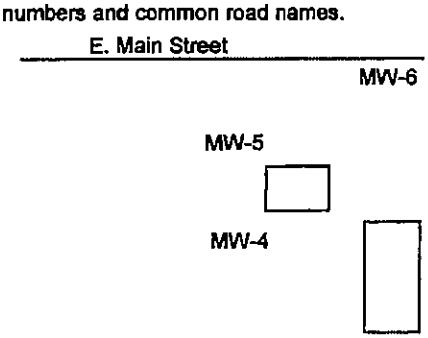
14. SCREEN:

			Diameter	Slot Size	Material
From 6	To	41	2"	0.01	PVC
From	To				

15. SAND/GRAVEL PACK:

			Size	Material
From 4	To	41	Medium	Quartz
From	To			

LOCATION SKETCH
Show direction and distance in miles from at least two State or County Roads. Include the road numbers and common road names.



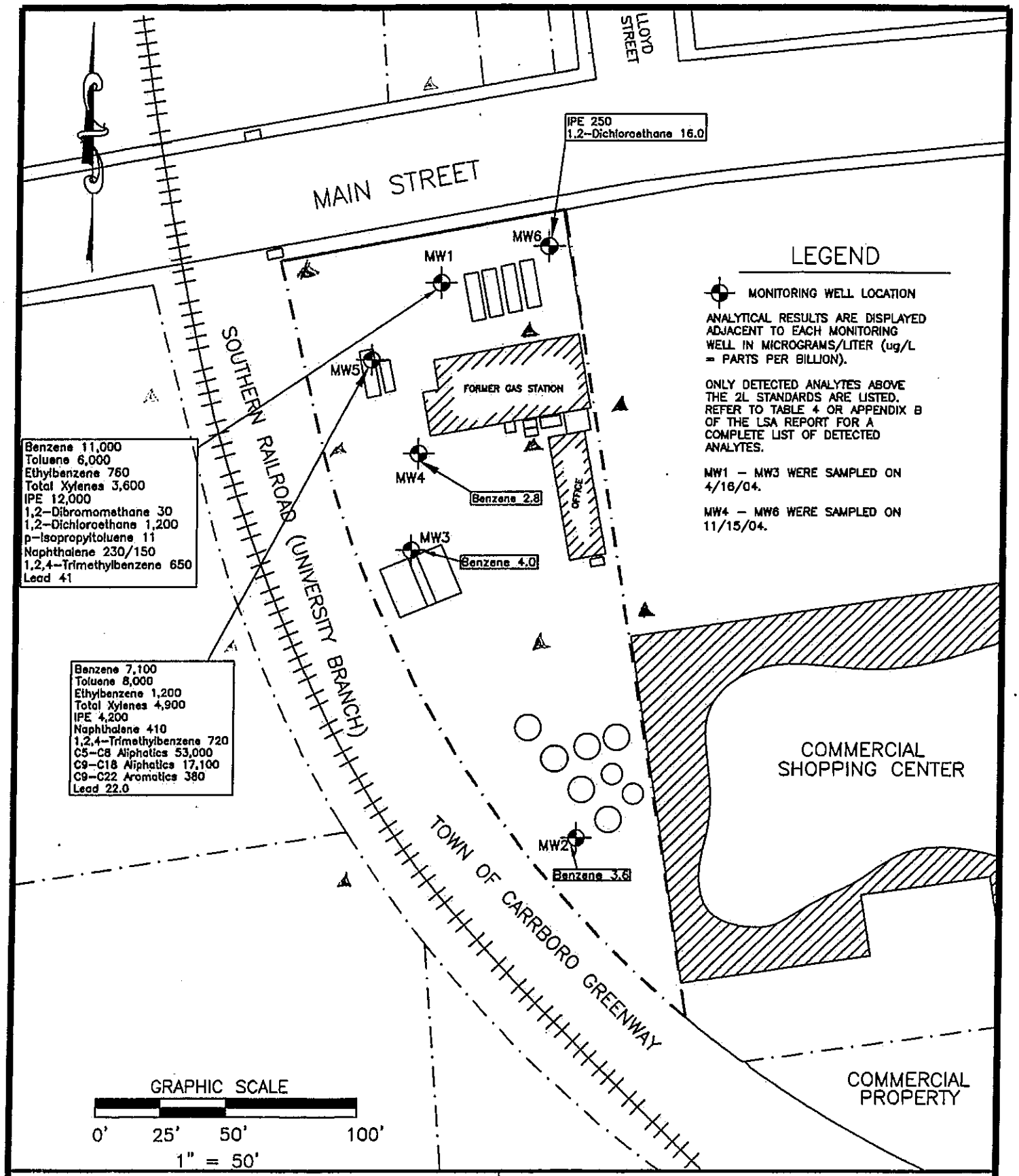
16. REMARKS:

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

Mike Ransier 12/2/2004
SIGNATURE OF PERSON CONSTRUCTING THE WELL DATE

Submit the original to the Division of Water Quality, Groundwater Section, 1636 Mail Service Center - Raleigh, NC 27699-1636 Phone No. (919) 733-3221, within 30 days.

GW-1 REV. 7/2001



TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

GROUNDWATER ANALYTICAL RESULTS (4/16 & 11/15/04)
DON C. CHRISTIAN CO. INC. PROPERTY
206 E. MAIN STREET
CARRBORO, NC

MAIN STREET PROPERTIES OF CHAPEL HILL, LLC — CHAPEL HILL, NC

PROJECT NO.	D8104	DRAWN BY:	JRG/JAK	DATE:	1/21/05
SCALE:	1" = 50'	CHECKED BY:	MJB	FIGURE NO.	7

Table: 7
Date: 1/19/05

SUMMARY OF LSA SOIL SAMPLING RESULTS
Incident Name: Don C. Christain Property Incident No: Pending

Facility ID: 0-026870

Analytical Method:			8260+MTBE-PE	8260+MTBE-PE	8260+MTBE-PE	8260+MTBE-PE	8260+MTBE-PE	8260+MTBE-PE	8260+MTBE-PE	8260+MTBE-PE	8260+MTBE-PE	8260+MTBE-PE	8260+MTBE-PE	8260+MTBE-PE	8260+MTBE-PE	8260+MTBE-PE	8260+MTBE-PE	MADEP-VPH	MADEP-VPH	MADEP-VPH
Contaminant of Concern																				
Sample ID	Date Collected	Sample Depth	Benzene	Toluene	Ethylbenzene	Total Xylenes	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Di-Isopropyl ether	MTBE	Naphthalene	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	1,2,4 Trimethylbenzene	1,3,5 Trimethylbenzene	C5-C8 Aliphatics	C9-C12 Aliphatics	C9-C10 Aromatics
B-15A	11/8/2004	5'-6'	**0.34**	**0.66**	**0.16**	**0.64**	<0.062	<0.062	<0.062	**0.19**	<0.062	<0.31	<0.062	<0.062	<0.062	**0.25**	**0.071**	<6.0	<6.0	<6.0
B-15A	11/8/2004	9'-10'	**17.5**	**110**	**33.6**	**150**	**2.8**	<2.7	<2.7	**2.7**	<2.7	<2.7	**[illegible]**	<2.7	**110**	**[illegible]**	**20.0**	**1,900**	**680**	**520**
B-15A	11/8/2004	15'-16'	**1.6**	**1.3**	**1.6**	**[illegible]**	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	**0.72**	**2.7**	**1.3**	**[illegible]**	**140**	**74.0**
Soil to groundwater MSCC			0.0056	7	0.24	5	4	3	3	0.37	0.92	0.58	2	34	2	8	7	44	60	NE
Residential MSCC			22	3,200	1,560	32,000	156	156	156	156	156	63	1,564	469	156	782	782	620	469	NE
Industrial /Commercial MSCC			200	82,000	40,000	200,000	4,088	4,088	4,088	4,088	4,088	1,635	40,880	12,264	4,088	20,440	20,440	16,400	12,264	NE

Notes:
1. All results in mg/kg = parts per million (ppm).
2. Bold denotes a compound detection; Shading denotes a concentration exceeding a Soil-to-Groundwater MSCC (Maximum Soil Contaminant Concentration).
3. - not sampled for; < - denotes less than sample detection limit; NE - MSCC not established.
4. Sample depths are in feet below ground level.
5. Naphthalene results: 8260/8270 analysis.

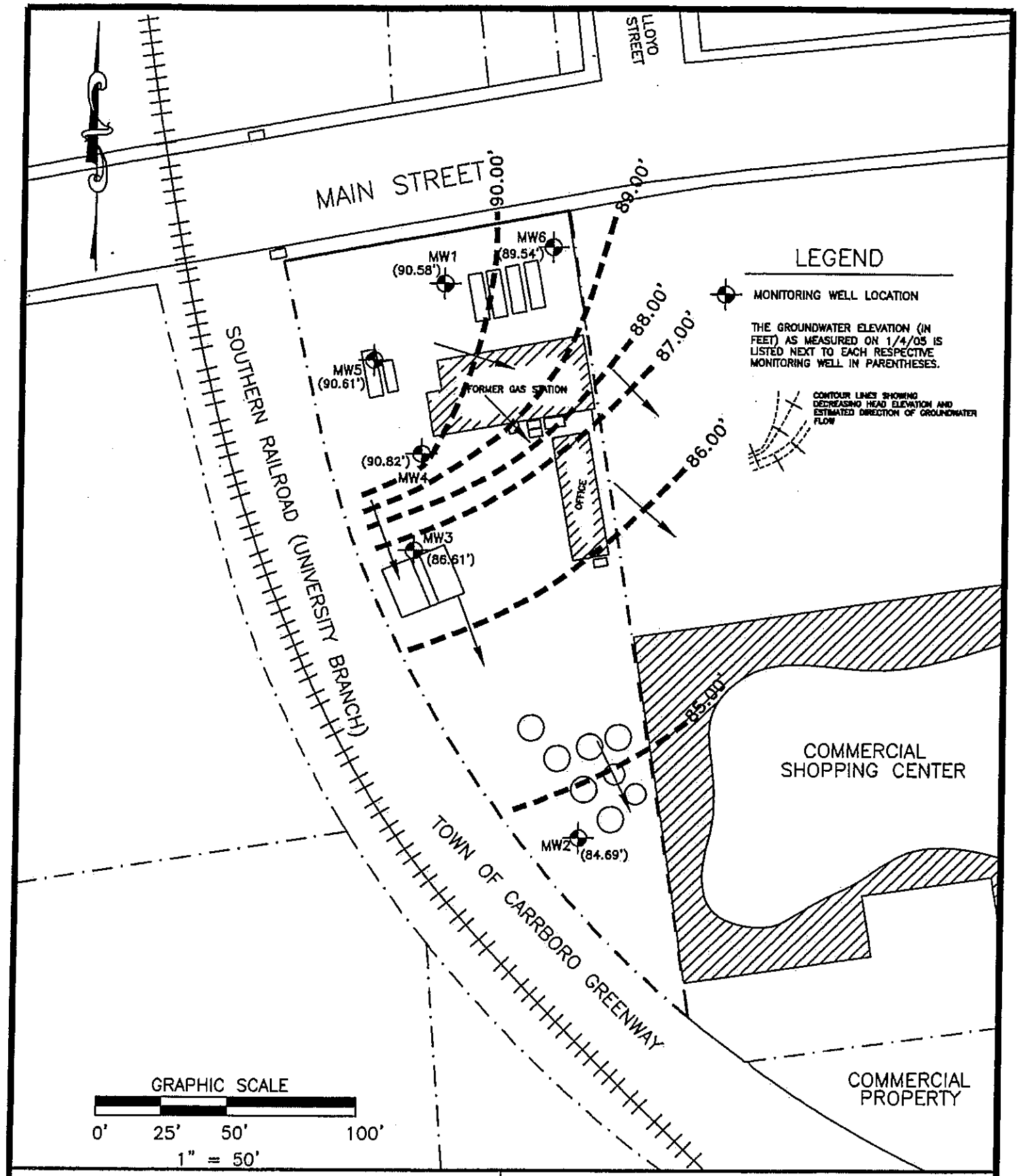
Table 4
Date: 1/19/05

SUMMARY OF GROUNDWATER SAMPLING RESULTS
Incident Name: Don C. Christain Property Incident No: Pending

Facility ID No: 0-026870

Analytical Method		8210D+MTBE+IPE	8210D+MTBE+IPE	8210D+MTBE+IPE	8210D+MTBE+IPE	8210D+MTBE+IPE	8210D+MTBE+IPE	8210D+MTBE+IPE	8210D+MTBE+IPE	8210D+MTBE+IPE	8210D+MTBE+IPE	8210D+MTBE+IPE	8210D+MTBE+IPE	8270 BNA/ONTP	8210D+MTBE+IPE	8210D+MTBE+IPE	8210D+MTBE+IPE	MADEP VPH	MADEP VPH	MADEP VPH	MADEP EPH	6010B
Contaminant of Concern		Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	IPE	Acetone	1,2-Dibromoethane	1,2-Dichloroethane	Isopropylbenzene	p-Isopropyltoluene	2-Butanone (MEK)	Naphthalene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	C5-C8 Aliphatics	C9-C18 Aliphatics	C9-C22 Aromatics	C19-C36 Aliphatics	Lead
Well ID	Date Collected																					
MW1	4/16/2004	[redacted]	6,000	760	3,600	<5.0	12,000	440	30	1,200	48	11	110	230\150	62	650	210	-	-	-	-	41
MW2	4/16/2004	3.6	<5.0	1.1	<3.0	10	5.3	<25	<1.0	<1.0	<1.0	<1.0	<10	<5.0/<10.	<1.0	<1.0	<1.0	-	-	-	-	<5.0
MW3	4/16/2004	4.0	<5.0	<1.0	<3.0	15	60	<25	<1.0	5.1	2.1	<1.0	<10	<5.0/<10.	<1.0	<1.0	<1.0	-	-	-	-	6.0
MW4	11/15/2004	2.8	<5.0	1.1	4.8	1.3	14.0	<25.	<1.0	<1.0	<1.0	<1.0	<10.	<5.0/<10.	<1.0	<1.0	<1.0	<100	<200	<200	<100	9.8
MW5	11/15/2004	[redacted]	8,000	1,200	4,900	<500	4,200	<12,000	<500	<500	<500	<500	<5,000	<2,500/410	<500	720	<500	53,000	17,100	380	<100	22.0
MW6	11/15/2004	<1.0	<5.0	<1.0	<3.0	<1.0	250	<25.	<1.0	16.0	<1.0	<1.0	<10.	<5.0/<10.	<1.0	<1.0	<1.0	220	<200	<200	<100	13.0
	2L Standard	1	1,000	29	530	200	70	700	0.0004	0.38	70	NE	170	21	70	350	350	420	4,200	210	42,000	15
	GCLs	5,000	257,500	29,000	87,500	200,000	70,000	700,000	50	380	25,000	NE	170,000	15,500	30,000	28,500	25,000	NE	NE	NE	NE	15,000

Notes:
1. All results in ug/l = parts per billion (ppb)
2. Bold denotes a compound detection. Shading denotes a GCL violation.
3. < - denotes less than sample detection limit.
4. NE - 2L Standard and GCL limit not established for the compound.
5. - Not sampled for



TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

POTENTIOMETRIC SURFACE MAP (1/4/05)
DON C. CHRISTIAN CO. INC. PROPERTY
206 E. MAIN STREET
CARRBORO, NC

MAIN STREET PROPERTIES OF CHAPEL HILL, LLC — CHAPEL HILL, NC

PROJECT NO.	06104	DRAWN BY:	JRG/JAK	DATE:	1/21/05
SCALE:	1" = 50'	CHECKED BY:	MJB	FIGURE NO.	5

Appendix C

FAX COVER SHEET

NCDENR
North Carolina Department of Environment and Natural Resources

NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
Raleigh Regional Office
1628 Mail Service Center
Raleigh, NC 27699-1628

3 Pages, including cover sheet

TO: mike Jones

FAX: 1-336-691-0648

FROM: Brenda Hafshejani

DATE: 7/15/2013

SUBJECT: Don C Christian, Inc. Prop.

26797

MESSAGE:

If you do not receive all pages, call 919.791.4200 or fax back to 919.571.4718.

PLEASE NOTE OUR PHONE NUMBER HAS CHANGED
THE FAX NUMBER REMAINS THE SAME

NCDENR
North Carolina Department of Environment and Natural Resources
Division of Waste Management
UST Section
Dexter R. Matthews
Director

Pat McCrory
Governor

John E. Skvarla, III
Secretary

July 12, 2013

Don C. Christian Company, Inc
Mr. Kenneth G. Christian
P.O. Box 11009
Durham, NC 27703

SUBJECT: PRE-APPROVAL TASK AUTHORIZATION/CHANGE ORDER

Incident Name: Don C. Christian, Inc, Property
Site Rank: Intermediate I157D (5/28/10)
County: Orange
Task Auth./Change Order #: 26797-03
Requested Amount: $115,880.38

Incident #: 26797
Location: 206 East Main Street, Carrboro

Date Received: 5/10/2013
Approved Amount: $ 115,880.38

Dear Mr. Christian:

This office has processed the attached request for preapproval [Task Authorization (TA)/Change Order (CO)] submitted for the development, implementation and/or continuation of a Corrective Action Plan (CAP) activities at the above-referenced site. Your copy of the TA/CO form shows the total amount that has been approved for each of the specified tasks. After completion of authorized tasks, a State Trust Fund (STF) claim may be submitted for reimbursement with a copy of the TA and any approved CO.

In no case should you exceed the approved amount unless you submit a CO request and obtain written authorization from this office. Modifications to a TA that are necessary (i.e. -- adding new tasks) must be submitted as you are requesting a modification to a **previously approved** Task Authorization (i.e. -- changing previously submitted and approved tasks). You should specify only the changes and costs associated with them in the CO.

Please note that in the interest of facilitating timely reviews the Raleigh Regional Office is not accepting facsimile requests for preapproval unless specifically approved by staff in an emergency situation.

For questions concerning any required monitoring, corrective action, or remedial system operation costs, please contact the undersigned at (919) 791-4200.

Respectfully yours,

Brenda R. Hafshejani

Brenda R. Hafshejani
Incident Manager

Retain original and send copy to consultant:

Mike Jones
Pyramid Environmental & Engineering
Phone: (336)335-3174
Fax: (336)691-0648

26797

PREAPPROVAL TASK AUTHORIZATION FORM

Department of Environment & Natural Resources - Division of Waste Management

Site Name	Former Don C. Christian Co. Property	City / County	Carrboro/Orange	Incident #	~~30481~~
Responsible Party	Main Street Properties of Chapel Hill, LLC	Incident Mgr	Mark Powers	Region	RRO
RP Type (Owner/Operator / Landowner / Attorney-in-fact)	Owner	TA Supplement / Change Order?		Prev. TA #	
Primary Consultant	Pyramid Environmental & Engineering, PC				
Phone / Fax Number	336-335-3174 336-691-0648				
Project Mgr / Email	Mike Jones mike@pyramidenvironmental.com				
Proposal# / Scope Dates	# 5177 - Spring 2013				
Has STF Eligibility Been Determined?	YES / NO / Pending				

(Reserved for Incident Manager)

Task Authorization Number:	26797-3
Site Risk / Rank / Abatement:	I 157D
Type (Comm / NonComm / Both)	Comm 100%
Site Status (Active or NFA/Date)	Active

Note: This form should be used to receive preapproval from the UST Section. A proposal must be attached to elaborate on the costs for the tasks listed below that describes the scope of work and the rationale for the proposed activities. If you discover that unexpected tasks must be performed, incurring costs that exceed the amount preapproved in this authorization, you must complete and submit a separate preapproval request designated as a "TA Supplement / Change Order" in the provided space above. Include a copy of the prior preapproval form as well. Please attach this form to the cover of the corresponding claim when requesting reimbursement. **IMPORTANT:** Only one claim may be submitted during a quarter or 3-month period. All preapprovals submitted within a claim are closed with that claim. Final reimbursement of costs associated with the Total Claimed amount below may vary depending on the eligibility status of the site (i.e., deductibles, apportionment, etc.), and the documentary validation of incurred costs as reasonable and necessary expenses per 15A NCAC 2P .0402 and .0404.

With Claim: • **Attach all Main Consultant/Contractor invoices.** • **Attach proof of payment directly to the front of each invoice.**

***Important: The date of reimbursement of costs approved herein is dependent on the balance of funds in the Trust Fund. There may be a delay in the reimbursement of claims for work done.**

PREAPPROVAL / TASK AUTHORIZATION (See Instructions / RRD for Tasks requiring Preapproval / Task Authorization)									FINAL REIMBURSEMENT (Must Complete with Claim Submittal)	
3rd Pty? (Y)	Task #	Lab Code#	Proposed Units / Type (Consultant)	RO Auth	Proposed Rate/Price (Consultant)	CO Auth	Proposed Task Subtotal (Consultant)	Preapproved Subtotal (UST Section)	Dates of Work[1] (Consultant) Started / Completed	Claimed Amount[2] (Consultant)
	1.010		1 / site	BRH	$502.00		$502.00		/	
	1.040		1 / plan	BRH	$117.00		$117.00		/	
	3.399		52 / feet	BRH	$6.00		$312.00		/	
	12.010		100 / miles	BRH	$2.06		$206.00		/	
	3.060		1 / event	BRH	$960.00		$960.00		/	
			/						/	
	2.381		1 / event	BRH	$4,884.38		$4,884.38		/	
	2.400		1200 / tons	BRH	$19.00		$22,800.00		/	
	2.410		1200 / tons	BRH	$16.00		$19,200.00		/	
	2.415		1200 / tons	BRH	$48.00		$57,600.00		/	
	12.010		200 / miles	BRH	$2.06		$412.00		/	
	12.030		2 / nights	BRH	$85.00		$170.00		/	
			/						/	
			/						/	
	4.020		4 / samples	BRH	$391.00		$1,564.00		/	
	4.090	#409	12 / samples	BRH	$93.00		$1,116.00		/	
	4.090	#410	12 / samples	BRH	$207.00		$2,484.00		/	
	4.090	#421	12 / samples	BRH	$63.00		$756.00		/	
	4.090	#422	12 / samples	BRH	$111.00		$1,332.00		/	
			/						/	
	6.015		1 / report	BRH	$1,465.00		$1,465.00	$	/	
			/						/	
			/						/	
			/						/	
			/						/	

	Requested	Preapproved		Claimed[2]
TOTAL:	$115,880.38	115,880.38	TOTAL:	
Total Standard Costs (Not Third Party)	$0.00		Total Standard Costs	
Total applied as Third Party Deductible/Damage Costs	$0.00		Total Third Pty Costs	

Main Consultant	Project Mgr Signature: Michael Jones	Date:	4/12/2013
UST Section	RO Task Authorization: Brenda H. Hadadegni	Date[1]:	6/3/13
	CO Rate Authorization:	Date[1]:	7/12/13

1 - Task Authorization expires one year from the latter of the RO or CO Authorization dates. Note: Tasks must also be claimed within one year of completion. The one-year deadline from the authorization date does not supercede other regulatory deadlines (e.g., NORR's, NOV's, Enforcements, Remissions, etc.)

2 - Only Tasks included on this PATA form may be claimed. Do not include other Tasks or claimed costs (i.e., Claim preparation) that were not preapproved.

FAX COVER SHEET

NCDENR
North Carolina Department of Environment and Natural Resources

NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
Raleigh Regional Office
1628 Mail Service Center
Raleigh, NC 27699-1628

3 Pages, including cover sheet

TO: Mike Jones

FAX: 1-336-691-0648

FROM: Brenda Hatfshejani

DATE: 7/15/2013

SUBJECT: Don C. Christian, Inc. Prop. #26797

MESSAGE:

If you do not receive all pages, call 919.791.4200 or fax back to 919.571.4718.

PLEASE NOTE OUR PHONE NUMBER HAS CHANGED
THE FAX NUMBER REMAINS THE SAME

NCDENR

North Carolina Department of Environment and Natural Resources
Division of Waste Management
UST Section

Pat McCrory
Governor

Dexter R. Matthews
Director

John E. Skvarla, III
Secretary

July 15, 2013

Don C. Christian Company, Inc
Mr. Kenneth G. Christian
P.O. Box 11009
Durham, NC 27703

SUBJECT: PRE-APPROVAL TASK AUTHORIZATION/CHANGE ORDER

Incident Name: Don C. Christian, Inc, Property
Site Rank: Intermediate I157D (5/28/10)
County: Orange
Task Auth./Change Order #: 26797-04
Requested Amount: $15,638.00

Incident #: 26797
Location: 206 East Main Street, Carrboro

Date Received: 6/21/2013
Approved Amount: $ 15,638.00

Dear Mr. Christian:

This office has processed the attached request for preapproval [Task Authorization (TA)/Change Order (CO)] submitted for the development, implementation and/or continuation of a Corrective Action Plan (CAP) activities at the above-referenced site. Your copy of the TA/CO form shows the total amount that has been approved for each of the specified tasks. After completion of authorized tasks, a State Trust Fund (STF) claim may be submitted for reimbursement with a copy of the TA and any approved CO.

In no case should you exceed the approved amount unless you submit a CO request and obtain written authorization from this office. Modifications to a TA that are necessary (i.e. -- adding new tasks) must be submitted as you are requesting a modification to a **previously approved** Task Authorization (i.e. -- changing previously submitted and approved tasks). You should specify only the changes and costs associated with them in the CO.

Please note that in the interest of facilitating timely reviews the Raleigh Regional Office is not accepting facsimile requests for preapproval unless specifically approved by staff in an emergency situation.

For questions concerning any required monitoring, corrective action, or remedial system operation costs, please contact the undersigned at (919) 791-4200.

Respectfully yours,

Brenda R. Hafshejani

Brenda R. Hafshejani
Incident Manager

Retain original and send copy to consultant:

Mike Jones
Pyramid Environmental & Engineering
Phone: (336)335-3174
Fax: (336)691-0648

DIRECTED COSTS

ELECTRONIC PREAPPROVAL TASK AUTHORIZATION FORM

Dept of Environment & Natural Resources - Division of Waste Management

Site Name	Don Christian Property	City / County	Carrboro / Orange
RP STF ID/Name (F/L)	30481 /t Properties of Cha	Incident Mgr	Brenda Hafshejani
RP Type *(Owner/Operator / Landowner / Attny-in-fact)*	Landowner	TA Supplement / Change Order?	TA
Consult. ID/Co.Name	/ Pyramid Environmental		
Phone / Fax Number	(336) 335-3174 / (336) 691-0648		
Email / PM Name (F/L)	Mike Jones /		
Proposal# / Scope Dates	5215 / 6/17/2013		
Has STF Eligibility Been Determined? (T/F)	FALSE		

Incident #	26797		
Region	RAL		
Prev. TA #			

(Reserved for Incident Manager)

Task Authorization Number:	*4*	*ChangeOrd:*	
Site Risk / Rank / Abatement:	*I 157 D*	*RRA Date:*	*5/28/2010*
% Commercial (C=100%, NC=0%, Both=1%-99%)			*100%*
Site Status (Active or NFA Date)		*Active*	

Note: This Electronic Preapproval Task Authorization Form should be used to receive preapproval from the UST Section. A proposal must be attached to elaborate on the costs for the tasks listed below that describes the scope of work and the rationale for the proposed activities. If, following completion of this ePATA, you discover that unexpected tasks must be performed, incurring costs or for tasks not originally included with this form, you must complete and submit a separate preapproval request designated as a "TA Supplement / Change Order" in the provided space above. Include a copy of the prior preapproval form for confirmation. Please attach this form to the cover of the corresponding claim when requesting reimbursement. **IMPORTANT:** Only one claim may be submitted during a quarter or 3-month period. **All preapprovals submitted within a claim are closed with that claim, and may not be re-used in a separate submittal, even for costs or tasks that were not originally claimed.** Final reimbursement of costs associated with the **Total Claimed** amount below may vary depending on the eligibility status of the site (i.e., deductibles, apportionment, etc.), and the documentary validation of incurred costs as reasonable and necessary expenses per 15A NCAC 2P .0402 and .0404.

With Claim: [ ] All Main Consultant/Contractor Invoices attached? [ ] Proof of payment attached directly to the front of each invoice?

+ Important: The date of reimbursement is dependent on the Trust Fund balance. There may be a delay in the reimbursement of claims for work under this ePATA.

PREAPPROVAL / TASK AUTHORIZATION *(See Instructions / RRD for Tasks requiring Preapproval / Task Authorization)*									FINAL REIMBURSEMENT *(Must Complete with Claim Submittal)*	
3rd Pty Ded?	Task #	Lab / SubCode	Proposed Units / Type *(Consultant)*	RO Auth	Proposed Rate/Price *(Consultant)*	CO Auth	Proposed Task Subtotal *(Consultant)*	Preapproved Subtotal *(UST Section)*	Dates of Work[1] *(Consultant)* Started / Completed	Claimed Amount[2] *(Consultant)*
	9.020		1 GW	y	$2,964.00	y	$2,964.00	$2,964.00	/	
	3.398		1 Mobe	y	$350.00	y	$350.00	$350.00	/	
	3.101		40 feet	y	$10.00	y	$400.00	$400.00	/	
	3.113		40 feet	y	$45.00	y	$1,800.00	$1,800.00	/	
	3.351		6 wells	y	$81.00	y	$486.00	$486.00	/	
									/	
	4.031		6 wells	y	$155.00	y	$930.00	$930.00	/	
	4.031		3 wells	y	$155.00	y	$465.00	$465.00	/	
	4.031		3 wells	y	$155.00	y	$465.00	$465.00	/	
									/	
	4.090	#272	12 samples	y	$73.00	y	$876.00	$876.00	/	
	4.090	#301	12 samples	y	$231.00	y	$2,772.00	$2,772.00	/	
									/	
	6.100		1 report	y	$1,551.00	y	$1,551.00	$1,551.00	/	
									/	
	6.174		1 Deed	y	$983.00	y	$983.00	$983.00	/	
	6.082		1 Public	y	$390.00	y	$390.00	$390.00	/	
	3.399		150 feet	y	$6.00	y	$900.00	$900.00	/	
	12.010		100 miles	y	$2.06	y	$206.00	$206.00	/	
									/	
	6.190		1 letter	y	$100.00	y	$100.00	$100.00	/	
									/	
									/	
									/	
									/	

	Requested	*Preapproved*		*Claimed*[2]
TOTAL:	$15,638.00	$15,638.00	TOTAL:	
Total Standard Costs (Not Third Party)	$15,638.00	$15,638.00	*Total Standard Costs*	
Total applied as Third Party Deductible/Damage Costs	$0.00	$0.00	*Total Third Pty Costs*	

Process Tracking	*(Date)*		*(Initials)*	
TA Submittal:	6/21/13	by:	MGJ	(PM)
RO Review:	7/8/13	by:	BRH	(IM)
CO Review:	7/15/13	by:	CAM	(STF)

(Reserved for RO)

Final Joint UST Preapproval Confirmed By: Brenda R. Hafshejani Date[1] 7/15/13

Consultant Receipt Confirmation Signature: _____ Date[3] _____

1 - If no work has been started, the ePATA expires one year from the Joint UST Preapproval date. Note: Tasks must also be claimed within one year of completion. This one-year activity deadline from the authorization date does not supercede other regulatory deadlines (e.g., NORR's, NOV's, Enforcements, Remissions, etc.)

2 - Only Tasks included on this PATA form may be claimed. Do not include other Tasks or claimed costs (i.e., Claim preparation) that were not preapproved.

3 - Preapproval is not valid (i.e., claimable) until receipt is confirmed by Consultant. Signature does not indicate full agreement with any reductions, only that the TA was received and read. Objections/appeals may be submitted via Change Order (which also does not supercede other regulatory deadlines as described in #1 above.)

FAX COVER SHEET

NCDENR
North Carolina Department of Environment and Natural Resources

NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
Raleigh Regional Office
1628 Mail Service Center
Raleigh, NC 27699-1628

3 Pages, including cover sheet

TO: Mike Jones FAX: 1-336-691-0648

FROM: Brenda Hafshejani DATE: 8/14/13

SUBJECT: Don C. Christian, Inc. Plp #26747

MESSAGE:

If you do not receive all pages, call 919.791.4200 or fax back to 919.571.4718.

PLEASE NOTE OUR PHONE NUMBER HAS CHANGED
THE FAX NUMBER REMAINS THE SAME

NCDENR

North Carolina Department of Environment and Natural Resources
Division of Waste Management
UST Section

Pat McCrory
Governor

Dexter R. Matthews
Director

John E. Skvarla, III
Secretary

August 12, 2013

Don C. Christian Company, Inc
Mr. Kenneth G. Christian
P.O. Box 11009
Durham, NC 27703

SUBJECT: PRE-APPROVAL TASK AUTHORIZATION/CHANGE ORDER

Incident Name: Don C. Christian, Inc, Property
Site Rank: Intermediate I157D (5/28/10)
County: Orange
Task Auth./Change Order #: 26797-3A
Requested Amount: $62,412.78

Incident #: 26797
Location: 206 East Main Street, Carrboro

Date Received: 8/2/2013
Approved Amount: $ 59,987.78

Dear Mr. Christian:

This office has processed the attached request for preapproval [Task Authorization (TA)/Change Order (CO)] submitted for the development, implementation and/or continuation of a Corrective Action Plan (CAP) activities at the above-referenced site. Your copy of the TA/CO form shows the total amount that has been approved for each of the specified tasks. After completion of authorized tasks, a State Trust Fund (STF) claim may be submitted for reimbursement with a copy of the TA and any approved CO.

In no case should you exceed the approved amount unless you submit a CO request and obtain written authorization from this office. Modifications to a TA that are necessary (i.e. -- adding new tasks) must be submitted as you are requesting a modification to a **previously approved** Task Authorization (i.e. -- changing previously submitted and approved tasks). You should specify only the changes and costs associated with them in the CO.

Please note that in the interest of facilitating timely reviews the Raleigh Regional Office is not accepting facsimile requests for preapproval unless specifically approved by staff in an emergency situation.

For questions concerning any required monitoring, corrective action, or remedial system operation costs, please contact the undersigned at (919) 791-4200.

Respectfully yours,

Brenda R. Hafshejani

Brenda R. Hafshejani
Incident Manager

Retain original and send copy to consultant:

Mike Jones
Pyramid Environmental & Engineering
Phone: (336)335-3174
Fax: (336)691-0648

DIRECTED COSTS

ELECTRONIC PREAPPROVAL TASK AUTHORIZATION FORM

Dept of Environment & Natural Resources - Division of Waste Management

Site Name	Don Christian Property	City / County	Carrboro / Orange
RP STF ID/Name (F/L)	30481 / t Properties of Cha	Incident Mgr	Brenda Hafshejani
RP Type *(Owner/Operator / Landowner / Attny-in-fact)*	Landowner	TA Supplement / Change Order?	Yes
Consult. ID/Co.Name	/ Pyramid Environmental		
Phone / Fax Number	(336) 335-3174 / (336) 691-0648		
Email / PM Name (F/L)	Mike Jones /		
Proposal# / Scope Dates	5215 / 6/17/2013		
Has STF Eligibility Been Determined? (T/F)	FALSE		

Incident #	26797		
Region	RAL		
Prev. TA #	3		

(Reserved for Incident Manager)

Task Authorization Number:	*3A*	*ChangeOrd:*	
Site Risk / Rank / Abatement:	*I 157 D*	*RRA Date:*	*5/28/2010*
% Commercial (C=100%, NC=0%, Both=1%-99%)			*100%*
Site Status (Active or NFA Date)		*Active*	

Note: This Electronic Preapproval Task Authorization Form should be used to receive preapproval from the UST Section. A proposal must be attached to elaborate on the costs for the tasks listed below that describes the scope of work and the rationale for the proposed activities. If, following completion of this ePATA, you discover that unexpected tasks must be performed, incurring costs or for tasks not originally included with this form, you must complete and submit a separate preapproval request designated as a **"TA Supplement / Change Order"** in the provided space above. Include a copy of the prior preapproval form for confirmation. Please attach this form to the cover of the corresponding claim when requesting reimbursement. **IMPORTANT:** Only one claim may be submitted during a quarter or 3-month period. **All preapprovals submitted within a claim are closed with that claim, and may not be re-used in a separate submittal, even for costs or tasks that were not originally claimed** Final reimbursement of costs associated with the **Total Claimed** amount below may vary depending on the eligibility status of the site (i.e., deductibles, apportionment, etc.), and the documentary validation of incurred costs as reasonable and necessary expenses per 15A NCAC 2P .0402 and .0404.

With Claim: [ ] **All Main Consultant/Contractor invoices attached?** [ ] **Proof of payment attached directly to the front of each invoice?**

• Important: The date of reimbursement is dependent on the Trust Fund balance. There may be a delay in the reimbursement of claims for work under this ePATA.

PREAPPROVAL / TASK AUTHORIZATION *(See Instructions / RRD for Tasks requiring Preapproval / Task Authorization)*									FINAL REIMBURSEMENT *(Must Complete with Claim Submittal)*	
3rd Pty Ded?	Task #	Lab / SubCode	Proposed Units / Type *(Consultant)*	RO Auth	Proposed Rate/Price *(Consultant)*	CO Auth	Proposed Task Subtotal *(Consultant)*	Preapproved Subtotal *(UST Section)*	Dates of Work[1] *(Consultant)* Started / Completed	Claimed Amount[2] *(Consultant)*
	3.060		~~1~~ / event	N	~~$960.00~~		~~$960.00~~		/	
			/				-		/	
	2.381		1 / event	y	$3,453.78	y	$3,453.78	$3,453.78	/	
	2.400		600 / tons	y	$19.00	y	$11,400.00	$11,400.00	/	
	2.410		600 / tons	y	$16.00	y	$9,600.00	$9,600.00	/	
	2.415		600 / tons	y	$48.00	y	$28,800.00	$28,800.00	/	
	12.010		400 / miles	y	$2.06	y	$824.00	$824.00	/	
			/						/	
	4.020		2 / samples	y	$391.00	y	$782.00	$782.00	/	
	4.090	#409	6 / samples	y	$93.00	y	$558.00	$558.00	/	
	4.090	#410	12 / samples	y	$207.00	y	$2,484.00	$2,484.00	/	
	4.090	#421	6 / samples	y	$63.00	y	$378.00	$378.00	/	
	4.090	#422	12 / samples	y	$111.00	y	$1,332.00	$1,332.00	/	
	4.090	#424	6 / samples	y	$21.00	y	$126.00	$126.00	/	
	4.090	#350	2 / samples	y	$39.00	y	$78.00	$78.00	/	
	4.090	#360	4 / samples	y	$43.00	y	$172.00	$172.00	/	
	6.015		~~1~~ / report	N	~~$1,465.00~~		~~$1,465.00~~		/	
									/	
									/	
									/	
									/	
									/	
									/	
									/	
									/	
									/	

	Requested	*Preapproved*		*Claimed*[2]
TOTAL:	~~$62,412.78~~	$59,987.78	TOTAL:	
Total Standard Costs (Not Third Party)	~~$62,412.78~~	$59,987.78	*Total Standard Costs*	
Total applied as Third Party Deductible/Damage Costs	$0.00	$0.00	*Total Third Pty Costs*	

Process Tracking	*(Date)*		*(Initials)*	
TA Submittal:	8/2/13	by:	MGJ	(PM)
RO Review:	8/5/13	by:	BRH	(IM)
CO Review:	8/9/13	by:	CAM	(STF)

(Reserved for RO)

Final Joint UST Preapproval Confirmed By: Brenda R. Hafshejani Date[1] 8/12/2013

Consultant Receipt Confirmation Signature: _____ Date[3] _____

1 - If no work has been started, the ePATA expires one year from the Joint UST Preapproval date. **Note:** Tasks must also be claimed within one year of completion. This one-year activity deadline from the authorization date does not supercede other regulatory deadlines (e.g., NORR's, NOV's, Enforcements, Remissions, etc.)

2 - Only Tasks included on this PATA form may be claimed. Do not include other Tasks or claimed costs (i.e., Claim preparation) that were not preapproved.

3 - Preapproval is not valid (i.e., claimable) until receipt is confirmed by Consultant. Signature does not indicate full agreement with any reductions, only that the TA was received and read. Objections/appeals may be submitted via Change Order (which also does not supercede other regulatory deadlines as described in #1 above.)

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

Estimate # 5236

Date: 07 / 31 / 2013

Additional Tonnage
Waste Oil UST and Hydraulic Lifts

Client:	Site:
Main Street Properties of Chapel Hill, LLC P. O. Box 2152 Chapel Hill, NC 27515 910-810-4410	Don Christian Property 206 West Main Street Carrboro, NC 27510 NCDENR Incident # 26797

TASK CODE	DESCRIPTION	QTY	UNITS	UNIT PRICE	TOTAL COST
	ADDITIONAL Soil Excavation - Waste Oil UST & Hydraulic Lifts				
3.060	Cost for Utility Clearance costs + $200	1	event	$960.00	$960.00
2.381	Field Supervision Excavation & Backfill	1	dig	$3,453.78	$3,453.78
	Calculated on form Sec A-1 of claim package (see attached)				
2.400	Cost for Excavation/Stockpiling of Soil	600	tons	$19.00	$11,400.00
2.410	Excavation Backfill & Compaction	600	tons	$16.00	$9,600.00
2.415	Contaminated Soil Transportation/Disposal	600	tons	$48.00	$28,800.00
12.010	Consultant Travel - mileage - Four Trips	400	miles	$2.06	$824.00
	Soil Samples				
4.020	Stockpile Soil Samples (for each 300 tons)	2	samples	$391.00	$782.00
code 409	EPA Method 8260 - # 409	6	samples	$93.00	$558.00
code 410	EPA Method 8270 - #410	12	samples	$207.00	$2,484.00
code 421	MADEP VPH - #421	6	samples	$63.00	$378.00
code 422	MADEP EPH - #422	12	samples	$111.00	$1,332.00
code 424	Total Metals - Cr & Pb	6	samples	$21.00	$126.00
code 350	Gasoline Range Organics (GRO)	2	samples	$39.00	$78.00
code 360	Diesel Range Organics (DRO)	4	samples	$43.00	$172.00
6.015	Initial Abatement Action Report (Lifts & Waste Oil)	1	report	$1,465.00	$1,465.00

Pyramid Environmental & Engineering, P.C.
503 Industrial Ave. (P.O. Box 16265)
Greensboro, NC 27406 (27416)

TOTAL $62,412.78

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

July 11, 2013

Mr. Vance Jackson
NC UST Trust Fund Program
1637 Mail Service Center
Raleigh, NC 27699-1637

RE: Trust Fund Pre-Approvals for the Former Don Christian Property located at 206 East Main Street, Carrboro, NC 27510 Pyramid Job # 2013-077 DENR Incident # 26797

Mr. Jackson:

As requested by Main Street Properties of Chapel Hill, LLC (MSP), Pyramid Environmental and Engineering P.C. (Pyramid) has completed the review of DENR files and preparation of the Trust Fund pre-approval for the proposed soil excavation project.

Pyramid prepared and submitted a pre-approval for soil excavation and a subsequent pre-approval for groundwater pumping and follow-up groundwater monitoring. These preapprovals are currently pending with the Central office. Questions concerning earlier estimates of cleanup costs surfaced and needed to be addressed. This letter is to present a review of the technical issues with the earlier cleanup estimates and the justifications for approving the proposed soil remediation plans.

In discussions with the DENR, earlier estimates of cleanup costs were made that suggested an SVE system could clean up the site for $77,000. This estimate from 2008 was not based on site specific feasibility testing. The regional office could find no evidence that the consultant made anything other than preliminary estimates to arrive at this cost estimate.

The SVE cleanup theory was never tested. The depth to water measures 6.9 feet below land surface which makes it unlikely that an SVE system could be successfully implemented at the site. in addition, the soils are fine grained and will retain

503 Industrial Avenue (27406) • P.O. Box 16265 Greensboro, NC 27416-0265
Phone (336)335-3174 • Fax (336)691-0648 • Toll Free (866)545-9507
Email: Info@pyramidenvironmental.com
www.pyramidenvironmental.com

contaminants for years. In discussions with the regional office, there were several steps that would have to be completed before a remediation system of any kind could be considered.

- A Comprehensive Site Assessment (CSA) would have to be completed. A rough estimate for completing a CSA would be $ 20,000.
- A Corrective Action Plan (CAP) to investigate all remedial options with test wells and feasibility testing would have to be completed. A rough estimate for a CAP is $ 25,000 with new remediation wells and feasibility testing, design, specifications, and reporting.

After completing a CAP, the system would have to be bid. If it involved two technologies (air sparge & SVE), then the costs for installation would be in the range of $100,000 to $125,000 based on recent (2013) estimates for the installation of subsurface piping, remediation wells, equipment and a remediation system building. In addition, the site geology presents difficulties for air sparging since the depth to bedrock is about 20 feet below land surface as reported in the boring logs. Orange County well rules do not allow drilling across saprolite and bedrock zones.

Additional costs would include operation of the remediation system for at least three years with a fourth year of monitoring. The system operations and monitoring costs would be over $ 25,000 per year, which for four years would add another $125,000.

In looking at the site, the option for assessment, CAP, design, bidding, installation, and operation and maintenance would easily exceed $260,000 for an active remediation system option.

By comparison, the soil excavation project is likely to complete both soil and groundwater cleanup to below the applicable standards for less than $132,000, an amount a little over half of the long term remediation option. In reviewing the earlier soil remediation option, Pyramid and the regional office agree that the removal of soils exceeding the Soil to Groundwater Standards is reasonable and necessary to remove the capillary fringe in the source area and improve both soil and groundwater.

The goal is to improve the source area significantly and hopefully achieve regulatory incident closure for this site. An earlier soil excavation estimate was targeting only a small area of soils above residential standards and would not address the groundwater issue by excavating the capillary fringe.

After reviewing the remediation options in more detail, the option for soil excavation in the source area and subsequent groundwater monitoring is the least expensive remedial option to seek regulatory incident closure. Discussions with the DENR Regional office and Central office suggest agreement with the cleanup plan proposed in the two preapprovals (attached).

Main Street Properties stands ready to re-develop this former UST /brownfields property from a former gas station into productive use as a Headquarters Building for a local Carrboro company.

Please review the preapprovals and contact me t (336) 335-3174 if you have any questions.

Sincerely,

Michael G. Jones, PG, RSM
Operations Manager

Attachments : (2) Pre-Approval requests

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

Estimate # 5215

Date: 06 / 17 / 2013

Additional Work
GW Disposal from Excavation
New MWs / Sampling / NFA Closure

Client : Kevin Benedict *Main Street Properties of Carrboro, LLC*	*Site: Incident # 30481* *Don Christian Property* *206 E. Main Street* *Carrboro, NC*

TASK	DESCRIPTION	QTY.	UNITS	UNIT PRICE	EXTENSION
	The first pre-approval covered the soil excavation and backfilling tasks.				
	re-approval includes Groundwater removal from the excavation should it become nece				
9.020	Groundwater removal from excavation (2) 5500 gallon loa	1	low bid	$2,964.00	$2,964.00
3.398	Driller Mobilization	1	mobe	$350.00	$350.00
3.101	Supervision of Drilling Operations	40	feet	$10.00	$400.00
3.113	2-inch Well Drilling - Hollow Stem Augers	40	feet	$45.00	$1,800.00
3.351	Relative Well Elevation Surveying	6	wells	$81.00	$486.00
4.031	Monitoring Well Sampling (July 25, 2013)	6	wells	$155.00	$930.00
4.031	Monitoring Well Sampling (August 9, 2013)	3	wells	$155.00	$465.00
4.031	Monitoring Well Sampling (August 22, 2013)	3	wells	$155.00	$465.00
4.090	Groundwater Laboraotry Analyses				
Code 272	EPA Method 6200 B volatile organics	12	samples	$73.00	$876.00
Code 301	EPA Method 625 + 10 highest peaks Semi-volatiles	12	samples	$231.00	$2,772.00
6.100	Active Remediation Monitoring Report (Initial)	1	report	$1,551.00	$1,551.00
6.174	Deed Recordation after NFA	1	each	$983.00	$983.00
6.082	Public Notice of NFA	1	each	$390.00	$390.00
3.399	Well abandonment (6) wells to 25 feet	150	feet	$6.00	$900.00
12.010	Consultant Travel for the abandonment	100	miles	$2.06	$206.00
6.190	Misc. Letter Report - All documentation for NFA	1	report	$100.00	$100.00

TOTAL ESTIMATE: $15,638.00

Pyramid Environmental & Engineering, P.C.
PO Box 16265, Greensboro, NC 27416-0265
Phone - (336) 335-3174 / Fax - (336) 691-0648

DIRECTED COSTS

ELECTRONIC PREAPPROVAL TASK AUTHORIZATION FORM

Dept of Environment & Natural Resources - Division of Waste Management

Site Name	Don Christian Property	City / County	Carrboro / Orange
RP STF ID/Name (F/L)	30481 /t Properties of Cha	Incident Mgr	Brenda Hafshejani
RP Type *(Owner/Operator/Landowner/Attny-In-fact)*	Landowner	TA Supplement / Change Order?	TA
Consult. ID/Co.Name	/ Pyramid Environmental		
Phone / Fax Number	(336) 335-3174 / (336) 691-0648		
Email / PM Name (F/L)	Mike Jones /		
Proposal# / Scope Dates	5215 / 6/17/2013		
Has STF Eligibility Been Determined? (T/F)	FALSE		

Incident #	30481		
Region	RAL		
Prev. TA #			

(Reserved for Incident Manager)

Task Authorization Number:		*ChangeOrd:*	
Site Risk / Rank / Abatement:		*RRA Date:*	
% Commercial (C=100%, NC=0%, Both=1%-99%)			
Site Status (Active or NFA Date)		*Active*	

Note: This Electronic Preapproval Task Authorization Form should be used to receive preapproval from the UST Section. A proposal must be attached to elaborate on the costs for the tasks listed below that describes the scope of work and the rationale for the proposed activities. If, following completion of this ePATA, you discover that unexpected tasks must be performed, incurring costs or for tasks not originally included with this form, you must complete and submit a separate preapproval request designated as a "TA Supplement / Change Order" in the provided space above. Include a copy of the prior preapproval form for confirmation. Please attach this form to the cover of the corresponding claim when requesting reimbursement. IMPORTANT: Only one claim may be submitted during a quarter or 3-month period. All preapprovals submitted within a claim are closed with that claim, and may not be re-used in a separate submittal, even for costs or tasks that were not originally claimed. Final reimbursement of costs associated with the Total Claimed amount below may vary depending on the el

With Claim: [ ] All Main Consultant/Contractor Invoices attached? [ ] Proof of payment attached directly to the front of each invoice?

* Important: The date of reimbursement is dependent on the Trust Fund balance. There may be a delay in the reimbursement of claims for work under this ePATA.

PREAPPROVAL / TASK AUTHORIZATION *(See Instructions / RRD for Tasks requiring Preapproval / Task Authorization)*									FINAL REIMBURSEMENT *(Must Complete with Claim Submittal)*	
3rd Pty Ded?	Task #	Lab / SubCode	Proposed Units / Type *(Consultant)*	RO Auth	Proposed Rate/Price *(Consultant)*	CO Auth	Proposed Task Subtotal *(Consultant)*	Preapproved Subtotal *(UST Section)*	Dates of Work[1] *(Consultant)* Started / Completed	Claimed Amount[2] *(Consultant)*
	9.020		1 GW		$2,964.00		$2,964.00		/	
	3.398		1 Mobe		$350.00		$350.00		/	
	3.101		40 feet		$10.00		$400.00		/	
	3.113		40 feet		$45.00		$1,800.00		/	
	3.351		6 wells		$81.00		$486.00		/	
									/	
	4.031		6 wells		$155.00		$930.00		/	
	4.031		3 wells		$155.00		$465.00		/	
	4.031		3 wells		$155.00		$465.00		/	
									/	
	4.090	#272	12 samples		$73.00		$876.00		/	
	4.090	#301	12 samples		$231.00		$2,772.00		/	
									/	
	6.100		1 report		$1,551.00		$1,551.00		/	
									/	
	6.174		1 Deed		$983.00		$983.00		/	
	6.082		1 Public		$390.00		$390.00		/	
	3.399		150 feet		$6.00		$900.00		/	
	12.010		100 miles		$2.06		$206.00		/	
									/	
	6.190		1 letter		$100.00		$100.00		/	
									/	
									/	
									/	
									/	

	Requested	*Preapproved*		*Claimed*[2]
TOTAL:	~~$15,638.00~~	$0.00	TOTAL:	
Total Standard Costs (Not Third Party)	~~$15,638.00~~	$0.00	*Total Standard Costs*	
Total applied as Third Party Deductible/Damage Costs	$0.00	$0.00	*Total Third Pty Costs*	

Process Tracking	*(Date)*		*(Initials)*	
TA Submittal:	6/21/13	by:	MGJ	(PM)
RO Review:		by:		(IM)
CO Review:		by:		(STF)

(Reserved for RO)

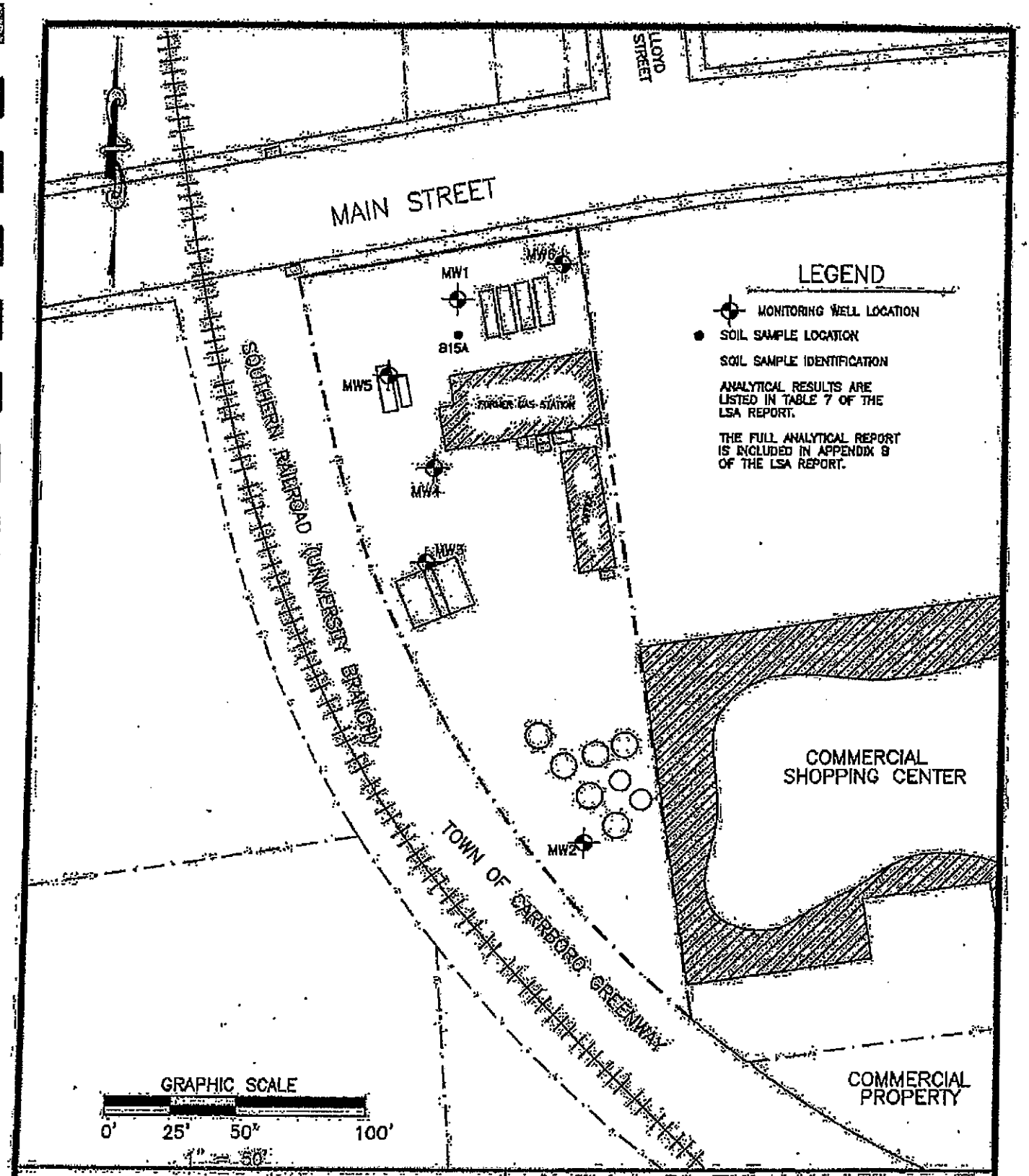
Final Joint UST Preapproval Confirmed By: _____ Date[1] _____

Consultant Receipt Confirmation Signature: _____ Date[3] _____

1 - If no work has been started, the ePATA expires one year from the Joint UST Preapproval date. Note: Tasks must also be claimed within one year of completion. This one-year activity deadline from the authorization date does not supercede other regulatory deadlines (e.g., NORR's, NOV's, Enforcements, Remissions, etc.)

2 - Only Tasks included on this PATA form may be claimed. Do not include other Tasks or claimed costs (i.e., Claim preparation) that were not preapproved.

3 - Preapproval is not valid (i.e., claimable) until receipt is confirmed by Consultant. Signature does not indicate full agreement with any reductions, only that the TA was received and read. Objections/appeals may be submitted via Change Order (which also does not supercede other regulatory deadlines as described in #1 above.)



TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

LSA SOIL SAMPLE LOCATION MAP
DON C. CHRISTIAN CO. INC. PROPERTY
206 E. MAIN STREET
CARRBORO, NC

MAIN STREET PROPERTIES OF CHAPEL HILL, LLC — CHAPEL HILL, NC

PROJECT NO.	08104	DRAWN BY:	JRG/JAK	DATE:	1/21/08
SCALE:	1" = 50'	CHECKED BY:	MJB	FIGURE NO.	6.

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

May 7, 2013

Mr. Mark Powers, Regional Supervisor UST Section
NCDENR Raleigh Regional Office
1628 Mail Service Center
Raleigh, NC 27699

RE: Preapproval Request for
Former Don C. Christian Co. Property
206 West Main Street, Carrboro, NC
DENR Incident # 26797

Dear Mr. Powers:

Enclosed please find the preapproval request form and associated estimate/proposal # 5177 for activities planned at the site. Since no contaminated soil was excavated at the site during the underground storage tank (UST) system removal, Pyramid Environmental and Engineering, P.C. is considering this action as initial abatement. The attached preapproval includes the following:

- Health and Safety Plan
- Monitoring Well Abandonment (MW-1 & MW-5)
- Sub-contractor Utility Clearance
- Field Supervision for Contaminated Soil Excavation
- Cost for Stockpile Sampling
- Cost for Contaminated Soil Excavating, Loading, Transportation, Disposal, and Backfilling
- Cost Closure Soil Samples
- IAA Report

Please call me at (336)-335-3174 (Ext. 126) if you have any questions or need additional information.

Sincerely,

Timothy D. Leatherman

Timothy D. Leatherman, P.G.
Project Manager

Enclosure : Preapproval for Initial Abatement Proposal/Estimate # 5177

503 Industrial Avenue (27406) • P.O. Box 16265 Greensboro, NC 27416-0265
Phone (336)335-3174 • Fax (336)691-0648 • Toll Free (866)545-9507
Email: Info@pyramidenvironmental.com
www.pyramidenvironmental.com

PREAPPROVAL TASK AUTHORIZATION FORM

Department of Environment & Natural Resources - Division of Waste Management

Site Name	Former Don C. Christian Co. Property	City / County	Carrboro/Orange	Incident #	30481
Responsible Party	Main Street Properties of Chapel Hill, LLC	Incident Mgr	Mark Powers	Region	RRO
RP Type (Owner/Operator / Landowner / Attorney-in-fact)	Owner	TA Supplement / Change Order?		Prev. TA #	
Primary Consultant	Pyramid Environmental & Engineering, PC				
Phone / Fax Number	336-335-3174 336-691-0648				
Project Mgr / Email	Mike Jones mike@pyramidenvironmental.com				
Proposal# / Scope Dates	# 5177 - Spring 2013				
Has STF Eligibility Been Determined?	YES / NO / Pending				

(Reserved for Incident Manager)

Task Authorization Number:

Site Risk / Rank / Abatement:

Type (Comm / NonComm / Both)

Site Status (Active or NFA/Date)

Note: This form should be used to receive preapproval from the UST Section. A proposal must be attached to elaborate on the costs for the tasks listed below describes the scope of work and the rationale for the proposed activities. If you discover that unexpected tasks must be performed, incurring costs that exceed amount preapproved in this authorization, you must complete and submit a separate preapproval request designated as a "TA Supplement / Change Order" in provided space above. Include a copy of the prior preapproval form as well. Please attach this form to the cover of the corresponding claim when reques reimbursement. IMPORTANT: Only one claim may be submitted during a quarter or 3-month period. All preapprovals submitted within a claim are closed with claim. Final reimbursement of costs associated with the Total Claimed amount below may vary depending on the eligibility status of the site (i.e., deductib apportionment, etc.), and the documentary validation of incurred costs as reasonable and necessary expenses per 15A NCAC 2P .0402 and .0404.

With Claim: • Attach all Main Consultant/Contractor invoices. • Attach proof of payment directly to the front of each invoice.

*Important: The date of reimbursement of costs approved herein is dependent on the balance of funds in the Trust Fund. There may be a delay in the reimbursement of claims for work done.

PREAPPROVAL / TASK AUTHORIZATION

(See Instructions / RRD for Tasks requiring Preapproval / Task Authorization)

FINAL REIMBURSEMENT

(Must Complete with Claim Submittal

3rd Pty? (Y)	Task #	Lab Code#	Proposed Units / Type (Consultant)	RO Auth	Proposed Rate/Price (Consultant)	CO Auth	Proposed Task Subtotal (Consultant)	Preapproved Subtotal (UST Section)	Dates of Work[1] (Consultant) Started / Completed	Claimed Amount[2] (Consultant)
	1.010		1 / site		$502.00		$502.00		/	
	1.040		1 / plan		$117.00		$117.00		/	
	3.399		52 / feet		$6.00		$312.00		/	
	12.010		100 / miles		$2.06		$206.00		/	
	3.060		1 / event		$960.00		$960.00		/	
			/						/	
	2.381		1 / event		$4,884.38		$4,884.38		/	
	2.400		1200 / tons		$19.00		$22,800.00		/	
	2.410		1200 / tons		$16.00		$19,200.00		/	
	2.415		1200 / tons		$48.00		$57,600.00		/	
	12.010		200 / miles		$2.06		$412.00		/	
	12.030		2 / nights		$85.00		$170.00		/	
			/						/	
			/						/	
	4.020		4 / samples		$391.00		$1,564.00		/	
	4.090	#409	12 / samples		$93.00		$1,116.00		/	
	4.090	#410	12 / samples		$207.00		$2,484.00		/	
	4.090	#421	12 / samples		$63.00		$756.00		/	
	4.090	#422	12 / samples		$111.00		$1,332.00		/	
			/						/	
	6.015		1 / report		$1,465.00		$1,465.00	$	/	
			/						/	
			/						/	
			/						/	
			/						/	

	Requested	Preapproved		Claimed[2]
TOTAL:	$115,880.38		TOTAL:	
Total Standard Costs (Not Third Party)	$0.00		*Total Standard Costs*	
Total applied as Third Party Deductible/Damage Costs	$0.00		*Total Third Pty Costs*	

Main Consultant — Project Mgr Signature: Michael Jones — Date: 4/17/2013

UST Section — RO Task Authorization: — Date[1]:

CO Rate Authorization: — Date[1]:

1 - Task Authorization expires one year from the latter of the RO or CO Authorization dates. Note: Tasks must also be claimed within one year of completion. The one-year deadline from the authorization date does not supercede other regulatory deadlines (e.g., NORR's, NOV's, Enforcements, Remissions, etc.)

2 - Only Tasks included on this PATA form may be claimed. Do not include other Tasks or claimed costs (i.e., Claim preparation) that were not preapproved.

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

Estimate # 5177

Date: 4/16/2013

Soil Excavation

Client:	Site:
Main Street Properties of Chapel Hill, LLC 8 Kendall Drive Chapel Hill, NC 27514 910-810-4410	Don Christina Property 206 West Main Street Carrboro, NC NCDENR Incident # 26797

TASK CODE	DESCRIPTION	QTY.	UNITS	UNIT PRICE	TOTAL COST
	Monitoring Well Abandonment				
1.010	Initial Project Review & Setup	1	site	$502.00	$502.00
1.040	Health & Safety Plan	1	plan	$117.00	$117.00
3.399	Well Abandonment (MW-1 & MW-5)	52	feet	$6.00	$312.00
12.010	Consultant Travel - mileage	100	miles	$2.06	$206.00
	Soil Excavation				
3.060	Cost for Utility Clearance costs + $200	1	event	$960.00	$960.00
2.381	Field Supervision Excavation & Backfill	1	dig	$4,884.38	$4,884.38
	Calculated on form Sec A-1 of claim package				
2.400	Cost for Excavation/Stockpiling of Soil	1200	tons	$19.00	$22,800.00
2.410	Excavation Backfill & Compaction	1200	tons	$16.00	$19,200.00
2.415	Contaminated Soil Transportation/Disposal	1200	tons	$48.00	$57,600.00
12.010	Consultant Travel - mileage - Two Trips	200	miles	$2.06	$412.00
12.030	Overnight Lodging	2	nights	$85.00	$170.00
	Soil Samples				
4.020	Stockpile Soil Samples (for 3,000 tons)	4	samples	$391.00	$1,564.00
4.090	EPA Method 8260 - # 409	12	samples	$93.00	$1,116.00
4.090	EPA Method 8270 - #410	12	samples	$207.00	$2,484.00
4.090	MADEP VPH - #421	12	samples	$63.00	$756.00
4.090	MADEP EPH - #422	12	samples	$111.00	$1,332.00
6.015	Initial Active Remediation Monitoring Report	1	report	$1,465.00	$1,465.00

Pyramid Environmental & Engineering, P.C.
503 Industrial Ave. (P.O. Box 16265)
Greensboro, NC 27406 (27416)

TOTAL: $115,880.38

Appendix D

Brownfields Project # 07025-03-68
Soil Management Plan
for
Former Don Christian Property
206 E. Main Street, Carrboro, NC
DENR Incident # 26797

SMP Date : 07-07-13

Prepared for:
Mr. Kevin Benedict
Main Street Properties of Chapel Hill, LLC
P.O. Box 2152, Chapel Hill, NC 27515

Prepared By:

Michael G. Jones, PG, RSM
Operations Manager

NORTH CAROLINA LICENSED SEAL 1168 GEOLOGIST MICHAEL GALIK JONES 7/16/13

PYRAMID ENVIRONMENTAL & ENGINEERING, P.C.
P.O. Box 16265, Greensboro, NC 27416
Phone 336.335.3174

TABLE OF CONTENTS

1.0 INTRODUCTION **1**

2.0 SOIL MANAGEMENT PLANNING **3**

2.1 DENR UST SECTION PLANNING 3

2.2 AST AREA SOIL MANAGEMENT PLANNING 3

3.0 SOIL MANAGEMENT PLAN **4**

3.1 SOIL REMOVAL IN THE UST AREA 5

3.2 SOIL REMOVAL IN THE AST AREA 5

3.3 GROUNDWATER SAMPLING OF EXISTING MONITORING WELLS 6

3.5 OTHER MEDIA ASSESSMENT PLAN 7

4.0 ANALYTICAL METHODS & PROCEDURES **8**

4.1 MEDIA TO BE SAMPLED 8

4.2 SAMPLING METHODS FOR GROUNDWATER – MONITORING WELLS 8

4.3 REPORTING FIELD AND ANALYTICAL DATA 9

5.0 DECONTAMINATION PROCEDURES **9**

6.0 INVESTIGATION DERIVED WASTES (IDW) **10**

7.0 LABORATORY AND QUALITY CONTROL PROCEDURES **11**

8.0 HEALTH & SAFETY **12**

9.0 CONTACTS FOR THE WORK PLAN **13**

10.0 PROPOSED WORK SCHEDULE **14**

APPENDICES:

Appendix A : Brownfields Agreement ; February 2005
Appendix B : BFP Additional Investigations – Tables & Maps
Appendix C : Standard Procedures
Appendix D : Projected Soil Excavation Areas
Appendix E : Proposed New Monitoring Wells
Appendix F : Waste Disposal Profiles
Appendix G : Proposed Work Schedule

BFP Soil Management Plan
BF Project # 07025-03-68

Don Christian Property
206 E. Main Street, Carrboro, NC 27515

1.0 Introduction

In 2005, a notice of Brownfields Property ("Notice") was filed by Main Street Properties of Chapel Hill L.L.C. for the former Don Christian Property ("the Site"). The notice was recorded February 4, 2005 at the register of deeds in Orange County, NC. The Brownfields Property consists of 23,091 square feet of land located at 206 East Main Street in Carrboro, Orange County, NC.

The property was used as a bulk oil facility as early as the mid-1920's and a gasoline station was added to the operations in the in the early 1930's.

The initial bulk fuel operations at the site were conducted by Standard Oil Company of New Jersey, the predecessor of the EXXON Corporation, who constructed the bulk oil facility on the southern portion of the property between 1925 and 1932. The aboveground storage tanks (ASTs) consisted of eight bulk fuel tanks ranging in size from 6,000-gallons to 20,000-gallons in size. These tanks were reportedly used by Exxon until the property was sold to Lloyd Oil Company in the late 1970's. The Bulk Fuel facility was active until the 1980's and the ASTs were removed by Don Christian in June 2003.

Exxon also built a gasoline station on the northern portion of the property. The station relied on gasoline and diesel underground tanks which reportedly were removed in 1989. The DENR UST Section (Raleigh Regional Office) designated this UST release as Incident # 26797.

The property still had three heating oil ASTs and one used oil AST. These tanks were recently checked and were empty, and ready for removal. Between 1989 and 2003, the gas station building was intermittently used as an auto garage. More recently, the gas station buildings were used as a retail pottery outlet, and office space. The property is a commercial property surrounded completely by other commercial properties.

In 2005 the Brownfields Agreement (BFA) was signed between the State and the Prospective Developer (PD), Main Street Properties of Chapel Hill, LLC. The environmental investigations that were conducted to support the BFA showed contamination from past site activities. The PD intends to redevelop the Brownfields Property for commercial retail, restaurant, office, arts instruction and performance, and parking uses in connection with the renovation and expansion of the adjoining shopping center buildings.

The Brownfields Agreement is presented in **Appendix A**.

In 2012 and early 2013, Pyramid Environmental & Engineering, PC (Pyramid) researched the Brownfields project details, the UST Program files, and the available soil and groundwater reports for the property. The intent was to provide a basis for assessment and cleanup under the UST Program and for the management of soils under the Brownfields Program to allow the redevelopment of the property.

The soil and groundwater cleanup for the UST Section of DENR was discussed with Project Manager Brenda Hafshejani and Mark Powers the Raleigh Regional Supervisor on June 7, 2013. The project discussions focused on soil excavation and the steps to reach regulatory incident closure for the site. The BFP was consulted and encouraged the cleanup of the soil and groundwater under the UST program. The pre-approvals for this work are nearing approval and the work is scheduled for Mid-July 2013.

In addition, after completing the UST cleanup, the remaining property will be graded to prepare for the building foundation. The building project has been approved and construction is scheduled to begin in October 1, 2013. The planned opening of the newly constructed building is September 2014.

The current and planned land use is commercial and is consistent with the BFA restricted use. The site is currently connected to municipal water and no use of groundwater is planned for the property. The previous receptor survey indicated that there are no groundwater receptors within 1500 feet of the property.

The purpose of this Soil Management Plan (SMP) is to provide details of the planned soil assessment, characterization, and off-site disposal. The following sections provide a comprehensive review of the procedures and practices to be implemented during the grading operations.

2.0 Soil Management Planning

2.1 DENR UST Section Planning

In 2013, Main Street Properties and Pyramid communicated the proposed soil and groundwater cleanup plan in the UST area to the DENR. The pre-approval for the work is pending as well as the Trust Fund Eligibility application. Approval of both is expected soon. The work in the UST areas will include;

- Abandonment of two monitoring wells in the planned excavation area
- Soil excavation in the former dispenser island areas and UST areas. The soil investigations were provided in earlier reports showing the rough outline of the soil contamination above soil-to-groundwater (STGW) and residential standards. These analytical tables and figures are presented in **Appendix B**.
- The excavations will include removal of the buildings and investigations of the hydraulic lift and garage areas.
- The soil excavation areas will be backfilled and compacted and new monitoring wells will be installed in the excavations for groundwater monitoring.
- The results of the monitoring well analyses will either support regulatory incident closure or continued groundwater monitoring.

As directed in the approved BFA, the PD is working with the UST Section to perform work directed by the DENR related to UST assessment and cleanup. The results of the planned cleanup work will be summarized in a report in early September 2013, and submitted to the BFP project manager Tony Duque for review.

2.2 AST Area Soil Management Planning

During the environmental assessment leading up to the BFA, soil and groundwater assessment were completed for the property. The bulk fuel facility on the southern portion of the property was not connected to the gasoline station. The majority of the AST storage tanks stored heating oil and diesel type products. In the middle of the AST area there were two gasoline ASTs. The groundwater contaminants discovered in the AST area were relatively low concentrations. The investigations and soil disturbance planned for the AST area is to investigate the first 2 to 3 feet below land surface (BLS) in preparation for construction grading and building construction. The planned soil management, screening, and handling procedures are described in the following sections.

3.0 Soil Management Plan

Based on the soil assessment completed in 2004, 2005, and 2010, petroleum hydrocarbons exist in the soil in several areas of the site. The soil reports show that the source of these petroleum contaminants is from the previous underground storage tanks (USTs) located at the gasoline station, and the aboveground storage tanks (ASTs) located on the southern portion of the property that stored heating oil, gasoline, diesel, and kerosene in aboveground storage tanks.

All of the USTs and ASTs are listed on the table included in **Appendix B**, and were all removed at different times. The former locations are also shown on the maps presented in Appendix B.

For the purpose of this Soil Management Plan (SMP) Pyramid contacted the Brownfields program to discuss the excavation and removal of petroleum contaminated soils in the former UST area. The plans for the excavation of the UST related petroleum contaminated soil were discussed with the BFP. The BFP recommended and approved working with the DENR UST Division to complete the required work in the UST area.

For the southern area of the property where the aboveground tanks (ASTs) approval of the soil management plan is required since excavations for the building foundation are planned for this area. The planned excavations will include:

- A major electrical duct bank along the eastern property boundary from the southern tip of the property to a point 25 feet from the NE corner of the property. From this point, the electrical duct bank will cross to the NW across the former UST area to the NW corner of the property. The planned depth for the utility is 5 feet below land surface.

- The building plans include providing utility installations at the property over most of the available area. The slab on grade construction will require shallow excavations as needed to facilitate the building construction.

- The building slab will be constructed after the utility installations are completed and the entire building slab will be sealed with a vapor barrier.

The excavation of petroleum contaminated soils in the AST area will be completed to reduce the contaminants present in the near surface soils and remove any soils that might be disturbed during the foundation construction. The following sections provide explanation of the soil cleanup, field screening of soil, and the soil management plan for the AST area of the property.

3.1 Soil Removal in the UST Area

The soil investigations in the UST area showed concentrations of petroleum contaminants. These concentrations were evaluated using the DENR UST Section Risk-Based soil standards or Maximum Soil Contaminant Concentrations (MSCCs). The site is currently considered intermediate risk. The proposed soil excavations are targeted to reduce soil contamination in the source area and also provide groundwater carry-over effects that will move the site toward regulatory closure. The soil excavations in the UST area will most likely lower the site risk and allow regulatory incident closure. The current soil concentrations in the UST area show petroleum hydrocarbons above the soil to groundwater (STGW) and above the residential standards.

Based on the area of soil contamination from the USTs, the DENR UST Section (Raleigh Regional Office) pre-approved excavation and disposal of the petroleum contaminated soils. This work is scheduled for completion in mid-July 2013. The work will be completed as directed by the DENR UST Section and will include soil and groundwater sampling in the UST area in accordance with the UST Guidance document requirements.

UST soil samples collected from the excavation will be analyzed using EPA Method 8260B for volatiles, EPA Method 8270 analyses for semi-volatiles, Massachusetts Department of Environmental Protection (MADEP) methods Volatile Petroleum Hydrocarbons (VPH) and extractable Petroleum Hydrocarbons (EPH) analyses. Environmental samples will be collected from each sidewall and from the bottom of the excavations. Composite soil samples will be collected from the contaminated soils for every 200 tons of contaminated soils removed from the excavation. The composite soil samples will be analyzed using EPA Method 8015/5035 for Gasoline Range Organics (GRO) and EPA Method 8015/3550 for Diesel Range Organics (DRO). As the excavation proceeds, Pyramid will communicate with the DENR project manager and make changes as necessary to the scope of work.

3.2 Soil Removal in the AST Area

The soil investigations in the AST area showed concentrations of petroleum constituents consistent with diesel range organics. The concentrations were evaluated using the DENR Brownfields and Inactive Hazardous Sites Branch (IHSB) Soil Remediation Goals (SRG)s.

The site is considered intermediate risk only due to groundwater concentrations over the Gross Contaminant Level (GCL) standards. The site is a commercial property surrounded by other

commercial properties. The primary petroleum contaminants of concern are the longer chain hydrocarbons associate with fuel oil, diesel, and kerosene. These contaminants are relatively stable, have low vapor release characteristics, and do not partition (dissolve) well into groundwater.

Based on the general heavier fuel characteristics of the petroleum contaminants in the AST area, the planned property use is consistent with the BFP re-development plan. The shallow foundation excavations (2-3 feet) will be screened in the field to assess petroleum impacts, and the soil separated for off-site disposal or backfilling. The field screening will identify soils containing field screening concentrations of petroleum in excess of 500 parts per million on a calibrated Organic Vapor Analyzer (OVA) Foxboro 128, or a Photoionization Detector (PID). Soil screening in the field will be completed in accordance with the standard procedures listed in **Appendix C**.

After completing the shallow excavations over the southern portion of the site, Pyramid will provide the BF Program with soil analyses representative of the heavier petroleum fuels stored in the ASTs. The proposed soil analytical methods are EPA Method 8260 and EPA Method 8270. Additional analytical methods are deemed unnecessary since the types of contaminants stored at the location were petroleum fuels. Several environmental samples will be collected from the shallow excavations to document the concentrations at the limits of the excavations. The laboratory analytical data will be supported by the more prevalent field screening data including location and depth of screening results. The locations of the proposed work areas are shown on the maps provided in **Appendix D**.

Composite soil samples will be collected from the contaminated soils for every 200 tons of contaminated soils removed from the excavation. As the excavation proceeds, Pyramid will communicate with the BFP Project Manager and make changes as necessary to the scope of work. The proposed depth of the shallow excavations for the foundations is only 2 to 3 feet below land surface (BLS). Pyramid plans to collect samples on a minimum of a 50 foot square grid system, if not more frequently.

3.3 Groundwater Sampling of Existing Monitoring Wells

The groundwater assessment work completed for the site showed high petroleum contaminant concentrations in groundwater in the gasoline UST area. All other groundwater concentrations are well below the GCLs, but still greater than the 2L Groundwater Standards for benzene. There are no water supply wells or irrigation wells on the site or within 1000 feet of the site, and the site is currently ranked intermediate.

Two groundwater monitoring wells (MW-1 and MW-5) are scheduled for abandonment prior to the completion of the UST soil excavation project. The other four monitoring wells (MW-2, MW-3, MW-4, and MW-6) will be sampled in next week to assess the groundwater concentrations at the site.

After the excavations in the UST area are completed, the DENR requires the replacement of these two (2) monitoring wells with new wells that are a minimum of 19-20 feet deep, depending on nearby water levels.

The proposed location of the replacement well is within 5 feet of the current locations of monitoring wells MW-1 and MW-5. The well detail for the proposed new monitoring wells is presented in **Appendix E**. The new wells will be installed through the recently backfilled UST soil excavation and the drilling method proposed for the shallow wells is hollow-stem auger drilling. The drill cuttings from the new wells will be from the recently backfilled excavation and therefore clean. The drill cuttings will be spread on site near each well location. The standard drilling decontamination procedures for the project are described in **Appendix C**.

3.5 Other Media Assessment Plan

There are no sediment samples, surface water samples, or stream samples planned for this work scope. The groundwater analyses will be evaluated relative to the DENR GCLs and NCAC 2L Groundwater Standards in the UST areas. The groundwater results will be evaluated and reported to the DENR RRO for the UST area

In addition, N.C. Brownfields Program (NCBP) will also be evaluating the groundwater analytical results as they may apply to or identify potential vapor intrusion (VI) risk at the property. The groundwater data will also be evaluated and reported relative to the Inactive Hazardous Sites Branch's (IHSB's) Industrial/Commercial and Residential screening table values (July 2012 version).

4.0 Analytical Methods & Procedures

The sample collection methods will comply with the most current version of the U. S. EPA Region IV *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual.* The standard field procedures to be used in this investigation are presented in Appendix C. The personnel collecting the data are qualified by education, training, and experience.

4.1 Media to be Sampled

The BFP assessment environmental data collection will assess the following media:

- Soil removal from the UST Area and backfilling will be completed first. The soil samples from the UST area excavation will be collected and analyzed using the methods required by the DENR UST Section.
- Groundwater – Groundwater samples will be collected from the newly installed monitoring wells for appropriate analytical methods (volatile & semi-volatile organics).
- AST soil removal – Based on the BFP recommendation, the AST area soils will be screened using standard field procedures and a decision concerning removal and subsequent soil sampling will be made.
- No on-site or off-site supply wells will be sampled.
- Drill Cuttings consisting of clean soil recently backfilled in the excavation and will be spread on site.
- Well development groundwater will be disposed in the area of each monitoring well sampled.
- There are no surface water bodies on or near the site that require sampling, and no stream or sediment samples are proposed.

4.2 Sampling Methods for Groundwater – Monitoring Wells

Groundwater samples will be collected from 2-inch diameter monitoring wells. These samples will be collected using a combination of low-flow well development and disposable bailers for sample collection. The peristaltic pumping will be completed with new polyethylene tubing for each of the monitoring wells. The wells will be pumped using a peristaltic pump if conditions allow, and the fluids monitored using a Horiba U-22 multi-function meter. The different groundwater parameters will be compared using the flow-through cell to determine when the readings show less than 15% variations in the readings.

Once the readings are stable, each monitoring well will be sampled for laboratory analyses (Method 8260 and Method 625 + 10 highest peaks) using a new polyethylene bailer. The bailer

will be lowered slowly into the water so as not to entrain air in the samples, and then carefully collected in the appropriate laboratory prepared containers. The standard groundwater sampling procedures are summarized in **Appendix C**.

The groundwater samples will be accompanied by a duplicate sample for volatiles. A trip blank will be provided by the analytical laboratory to travel with the cooler to the site and back to the lab and will be analyzed for volatile organics. A trip blank will accompany each day's sampling, and will be analyzed for only volatile organic compounds using EPA Method 8260B. The monitoring well analytical results will be provided in a Level II Laboratory Report with appropriate QA/QC.

4.3 Reporting Field and Analytical Data

The field personnel will record information concerning date, time, conditions, field screening, water quality observations, instrument readings, and other details of the sampling work in a dedicated bound field book for this site. Field data sheets may be used for boring logs and sampling monitoring wells, but data will also be recorded in the bound field book. Documentation of all samples will be recorded on the chain-of-custody (COC) documents which will be shipped with the samples.

5.0 Decontamination Procedures

Based on the contaminants of concern which are petroleum contaminants, decontamination required for drilling and soil sampling equipment prior to use will be using a pressure washer or steam cleaner. Reusable sampling equipment, hand augers, sampling probes and trowels, direct push sleeves, split spoon samplers, water sampling equipment are decontaminated using the general procedure described in **Appendix C**.

The level of decontamination used is appropriate to the analytical parameters selected and the material being used for sampling. Equipment that is not used immediately after decontamination is wrapped in aluminum foil prior to storage. Down-hole drilling augers and direct push equipment is cleaned prior to each use and between borings using pressure washing.

Disposable sampling equipment and PPE will be properly disposed. Since sampling activities at the site are planned for level D the amount of PPE required is minimal. The details of the Investigation Derived Wastes (IDW) and disposal are presented in the following section.

6.0 Investigation Derived Wastes (IDW)

Based on the soil and groundwater investigations planned for the site, a small amount of Investigation Derived Wastes (IDW) will be created during the assessment. This IDW will consist primarily of drill cuttings, monitoring well development water, and decontamination water. The drill cuttings will be from the recently backfilled excavation and will be spread on site near the location of the new wells.

A much larger amount of non-hazardous petroleum contaminated soil will be created during the UST area soil excavations. The amount of contaminated soil planned from the former UST are is approximately 700 tons. There are potential orphaned USTs at the site below the paved surfaces. The potential for orphaned petroleum UST will be investigated during the building demolition. For the contaminated soils removed from the UST area, these soils will be removed from the site and properly disposed at a permitted soil disposal facility (Earthtec of NC, Inc. in Bear Creek, NC). The wastes are characterized as petroleum contaminated soils (Non-Hazardous). The waste profile is presented in **Appendix F**.

In the AST area, the soils will be assessed using field screening for the foundation excavations only. The soil excavations will be related to the construction project and not with the intention of cleaning up all soil contamination in the AST area. The soils have been previously sampled and characterized as petroleum contaminated soils. The waste characterization for the soils is included in tabular summary in **Appendix B**. All petroleum contaminated soils removed from the site will be manifested as non-hazardous wastes. All waste manifests will be described in the assessment reports.

7.0 Laboratory and Quality Control Procedures

The BFP requires assessment data to be of acceptable quality. During the assessment work we will collect the appropriate number of samples and the analytical data will be generated using EPA Method 8260B and EPA Method 8270C for soil and using EPA Method 8260 and EPA Method 625 + 10 highest peaks for groundwater.

Data Quality Objectives

The level of data quality will be commensurate with the intended use of the data. For this site, the laboratory will prepare a "Level II" analytical data report as defined by the U. S. EPA Contract Laboratory Program. The laboratory reports submitted to the DENR UST Section and the NC BF Program in the reports will include:

1. The selected analytical laboratory is certified for applicable parameters either as a certified lab in the State of NC (2H.0800) or as a contract lab under EPA's Contract Laboratory Program.

2. The laboratory procedures include signed COC and sample receipt documents specifying received temperature of all samples and the condition of all samples received. In addition, the lab must certify that the analysis of all samples complied with all procedures outlined in the US EPA methodology, unless otherwise specified. Any deviations (dilutions, additional sample preparation, un-rectified analytical problems, etc…) should be justified in the sample narrative.

3. Lab reports will conform to standard Level II reporting for all parameters. If quantitation limits for any sample exceeds 10 times the U.S. EPA method detection limits, the lab will provide written explanation.

4. Lab reports will include all laboratory quality control samples, including results for bias and precision and control limits used. The following minimum laboratory quality control sample reporting is typical industry practice: (a) at least one matrix spike duplicate per sample delivery group (control limits should be specified); (b) at least one method blank per sample delivery group or 12-hour period, and (c) system monitoring compounds, surrogate recovery required by the method and laboratory control sample analysis with acceptance criteria specified. All samples which exceed control limits/ acceptance criteria must be flagged in the lab report.

5. The library search or TICs should provide percent probabilities of match. TICs should not include LCS compounds, surrogates, internal standards, matrix spikes, system monitoring compounds, or target analytes.

6. Complete COC and air shipping bills (if applicable) will be provided with the lab report.

7. The lab will provide the names of the analysts, QA Officer, and laboratory manager and their qualifications.

8. The laboratory data will be submitted on summary sheets, lab results, QA/QC results, and COC Documentation.

The analytical laboratory selected for the Don Christian project is Pace Analytical Laboratories located in Huntersville, NC. Pace Labs has performed well on other IHSB Projects and will provide data consistent with program requirements. The laboratory contact is Kevin Godwin (704) 875-9092 extension 237. A copy of the Pace Analytical Laboratory Quality Assurance Plan was reviewed and is on file with Pyramid.

8.0 Health & Safety

The Health & Safety Plan (HASP) for the site is designed to protect the site workers, environmental and drilling personnel, and the general public. This Health & Safety Plan addresses the general tasks associated with investigations including soil and groundwater sampling, environmental drilling, waste handling, and equipment decontamination. The former petroleum facilities released lighter petroleum products (gasoline) and heavier petroleum products (diesel, kerosene, and fuel oil). The Health & Safety Plan was prepared for the site under the UST Section requirements and requires no significant updates for the proposed Brownfields Program investigations.

In reviewing the HASP, none of the proposed activities appear to present a hazard to the surrounding community. If future activities present a clear threat to the surrounding community, then these threats will be evaluated prior to any activity and the procedures to limit exposure will be stated to update the Health & Safety Plan.

9.0 Contacts for the Work Plan

The work plan included the following people involved with the work at the former Don Christian property.

Current Owner:	Main Street Properties of Chapel Hill, LLC
Owner Address:	P. O. Box 2152, Chapel Hill, NC 27515
Property Contact:	Kevin Benedict, Manager
Phone #:	(919) 810-4410
E-mail Address:	kwbenedict@gmail.com
Brownfields Program:	Mr. Tony Duque, Project Manager NC Brownfields Program
Address:	215 West Jones Street Raleigh, NC 27603
Phone #:	(919) 707-8380
E-Mail Address:	Tony duque@ncdenr.gov
Consultant :	Michael G. Jones, LG, RSM Pyramid Environmental & Engineering, P.C.
Company Address:	P.O. Box 16265, Greensboro, NC 27416-0265
Phone #:	(336) 335–3174 ext. 124
E-mail Address:	mike@pyramidenvironmental.com
Soil Excavation Contractor:	GARCO Industrial, Inc. Alan King – (919) 451-3960
Soil Disposal Firm	Earthtec of NC, Inc. P.O. Box 130, Sanford, NC 27331
Laboratory:	Pace Analytical Laboratories
Company Address:	9800 Kincey Avenue, Suite 100, Huntersville, NC 28078
Phone #:	(704) 875-9092
Laboratory Contact:	Kevin Godwin
E-mail Address:	kevin.godwin@pacelabs.com

The drilling company selection will be made at the time of the work as needed to meet the project goals at the least cost. Quality of work, availability, and cost will be factors in the drilling company selection.

10.0 Proposed Work Schedule

The construction schedule for the Brownfields re-development project is very condensed and requires that the environmental work be completed before the construction of the planned building is initiated. Main Street Properties / Pyramid will work with the BF Project Manager to keep the BFP updated as activities at the site are completed. The first tasks will include removal of the buildings and completion of the UST area soil excavation project. The UST excavation will be backfilled and compacted and two new monitoring wells installed in the excavation before the AST area cleanup is initiated. The proposed schedule from March 2013 projecting the steps necessary to reach regulatory closure for the UST incident is included in **Appendix G**.

After the approval of the BFP Work Plan, the soil cleanup activities at the AST location will be completed. Once both areas are excavated and backfilled, the laboratory analytical data will be summarized and included in a detailed report to the DENR UST Section and the Brownfields Program. The target date for the final report is early September 2013.

Due to the condensed timeline for completion of the work, Main Street Properties / Pyramid requests that the BF Project Manager review the proposed field screening, laboratory analytical methods, and sample locations with all speed. Approval of the SMP will allow the project to move forward and meet the stringent work schedule needed to keep the construction project on track.

Appendix E

Standard Field Procedures

Pyramid Environmental & Engineering, P.C.

1.0 Equipment Decontamination:

Equipment decontamination is essential to assure representative environmental samples are collected and to eliminate the potential for cross contamination between sample points. Pyramid strives to clean all field equipment prior to leaving the office; however, field decontamination is still required on most projects. The procedures for decontamination of water level probes, hand augers, sampling probes and trowels, and other field equipment are listed below.

1.1 EPA Region IV Decontamination Procedures:

Drilling and soil sampling equipment is decontaminated prior to use using a pressure washer or steam cleaner. Reusable sampling equipment, hand augers, sampling probes and trowels, split spoon samplers, water sampling equipment are decontaminated using the general procedure described below.

1. Wash with non-phosphate detergent and water, brush to remove particulate matter.
2. Rinse with tap water.
3. Rinse with 10 percent nitric acid solution (only if sampling for metals)
4. Rinse with deionized water.
5. Rinse with pesticide-grade isopropyl alcohol.
6. Rinse with deionized water.
7. Air-dry as long as possible.

The level of decontamination used is appropriate to the analytical parameters selected and the material being used for sampling. For example, if metals analyses are required, then the 10 % nitric acid solution is used for decontamination of stainless steel equipment. Pyramid obtains laboratory grade deionized water in gallon jugs from the analytical laboratory for use in decontamination. Equipment that is not used immediately after decontamination is wrapped in aluminum foil prior to storage.

2.0 Soil Boring Installation & Sampling:

Soil borings are used by Pyramid to characterize the subsurface at many sites. The borings provide information concerning soil types and density, depth to refusal, depth to bedrock, organic vapors that may be present, and can be used to obtain samples for laboratory analysis. Pyramid conducts borings in many different ways, using hand augers, Direct Push equipment (Geoprobe), sample probes, split-spoon samplers (ASTM D 1586-84), auger drilling, air drilling, and Virbo-Core. The following procedures are used by Pyramid Environmental when performing soil borings:

1. Soil boring locations are chosen, and the utility locating service is called to mark all utilities. If private utilities at the site need to be located in addition to the public utility locating service, then these utilities are located and marked by a private utility locator service.

2. Down hole drilling equipment is cleaned prior to use and between borings using pressure washing. Additional decontamination procedures are used for quality assurance for sampling tools such as split spoons or Direct-Push Points.
3. Soil borings are advanced using direct-push, drilling rigs, hand augers, or other appropriate means.
4. Soil samples are normally collected at a minimum of 5-foot intervals. Each sample is divided into two parts. Soil samples for laboratory analyses are jarred from the initial sample volume. The remaining soil is stored in a sealed container for headspace analysis with an organic vapor analyzer (OVA). After screening the soil with the field instruments, each soil sample is described by the field geologist and a geologic description is recorded in the field notes.
5. Soil samples selected for laboratory analysis are placed in properly prepared, laboratory supplied containers and immediately packed in a cooler on ice. Sample custody is maintained using standard chain-of-custody procedures through delivery to the analytical laboratory.
6. Soil borings, which are not completed as monitor wells are grouted using a Portland cement, bentonite, or backfilled with soil cuttings.
7. Soils are typically described in the field by the project geologist or soil scientist and are classified according to the Unified Soil Classification System (ASTM D 2488-84).

2.1 Headspace Screening:

Soil samples are routinely screened for volatile organic compounds (VOCs) which may be an indication of organic or petroleum hydrocarbon contamination. The typical screening procedure includes immediately transferring the soil from the sampling devices to a sealed container (sealed plastic bag). The soil container is filled approximately halfway with soil and sealed. This creates headspace above the soil in which VOCs may accumulate. The container is allowed to stand for 5 to 15 minutes for the VOCs to equilibrate in the headspace of the container. The headspace of the container is then screened using a calibrated organic vapor analyzer (PID or FID). The screening is conducted by cracking the seal only enough to allow insertion of the probe into the headspace so as not to dilute the sample. In most cases where the contaminant of concern includes volatile organics, the soil samples showing the highest OVA readings from each boring are selected for laboratory analysis.

2.2 Soil Sample Collection for Laboratory Analysis:

After the soil sampling depth has been reached, soil samples are collected using a variety of sampling devices. The soil sample methods include sampling from split-spoons, stainless steel hand augers, stainless steel sampling scoops, and directly from the center of the excavator bucket. The sample technician uses appropriate disposable sampling gloves, which are changed between samples to avoid cross-contamination of samples. Each sampling device is decontaminated prior to use. Only laboratory provided containers are used for sample collection. Samples are collected in accordance with the preservation methods required by the requested analytical method. Samples are handled as little as possible and preserved in the field as specified for the analytical method. The samples are stored and transported to the laboratory in an insulated cooler chilled to approximately 4 degrees C. The samples are labeled with a minimum of the following information: project name or number, sampler name, date collected, sample number, and analysis requested. Sample custody is maintained using standard chain-of-custody procedures through delivery to the analytical laboratory. Notes of the sampling events are recorded in bound field notebooks.

3.0 Direct Push Sampling Procedures

Direct Push sampling techniques has been used at many sites to collect soil and groundwater samples rapidly and inexpensively. Track mounted direct push rigs can access hard to reach areas and allow borings and small diameter monitoring wells to be installed. Pyramid has used this technology to the benefit of our clients at many sites.

For soil sampling, typically, the direct push steel drive tube is decontaminated using a water pressure, and a new plastic liner is inserted in the steel drive tube to collect the sample. If necessary, the stainless-steel sampling tube is decontaminated using Region IV decontamination procedures. The soil samples are collected in new polyethylene liner tubes within the steel drive tube. The soil sample is then extracted from the polyethylene liner and preserved as required for the appropriate laboratory analysis.

The steel tubing and screen are driven to depth and the screened section is opened to allow groundwater to enter the tubing. The water samples are withdrawn using new polyethylene tubing with either a decontaminated stainless-steel check ball, or peristaltic pump. The groundwater sample is placed directly into the appropriate laboratory containers and sealed immediately. To prevent cross contamination of samples, new disposable tubing is used for each groundwater sample point. Disposable nitrile gloves are worn by field personnel during sampling, and gloves are changed between samples. Groundwater sampling procedures are detailed more in section 5.0., and are changed as appropriate for each analytical method.

4.0 Monitoring Well Installation

Monitoring wells are installed in many subsurface environments; sedimentary, Piedmont saprolite, and mountain terrains to list a few. Formations encountered include unconsolidated and consolidated sediments, saprolitic formations, weathered bedrock, and bedrock. Groundwater monitoring wells provide a stable sampling point at discrete intervals within the confined or unconfined aquifers. Monitoring wells are installed for a number of reasons, and are typically installed as 1-inch, 2-inch, 4-inch, or 6-inch diameter wells. Construction may be of PVC or other appropriate materials. The following procedures are used by Pyramid when performing borings and monitoring well installations :

1. If required, monitoring well permits are obtained from the State, County, or City agency.
2. Boring and monitoring well locations are chosen, and utilities are marked by the public utility locating company. In some cases the drill locations are also checked using a private utility locator.
3. In selecting a drill site, care id given to avoid overhead power lines, and subsurface utilities whenever possible.
4. Down hole drilling equipment is washed prior to use and between borings.
5. Borings are advanced using direct-push, drilling rigs, hand augers, or other appropriate means. Monitor well drilling usually includes using hand auger, solid-stem augers, hollow-stem augers, air rotary drilling, or air hammer drilling.
6. Soil samples are normally collected at a minimum of 5-foot intervals. Each sample is divided into two parts. Soil samples for laboratory analyses are jarred from the initial sample volume. The

remaining soil is stored in a sealed container for headspace analysis with an organic vapor analyzer (OVA). After screening the soil with the field instruments, each soil sample is described by the field geologist and a geologic description is recorded in the field notes.

7. Type II monitoring wells are usually installed using 2-inch diameter schedule 40 PVC riser and 2-inch, 0.010-inch slotted well screen. The screened interval varies with the purpose, and well details are presented with the boring logs.
8. Type III wells are usually installed as double cased wells to monitor the deeper portions of the aquifer. The first casing is usually a 6-inch diameter casing drilled to bedrock or an appropriate depth within the saprolite. The 6-inch diameter casing is then set and grouted in the borehole. After the cement grout has set for 24-hours, the borehole is completed to the desired depth using air rotary drilling or an air hammer. The Type III monitor well is usually constructed of 2-inch diameter sch 40 PVC casing and 2-inch diameter 0.010-inch slotted well screen.
9. In most applications, a sand filter pack of #2 well sand (or appropriate well sand) is typically installed to a level of 2 feet above the top of the screen in each well. A minimum 2-foot thick bentonite seal is usually placed on top of the filter pack and hydrated with deionized or distilled water. The remaining annular space of a typical well is backfilled to grade with a Portland cement/bentonite grout. In monitoring wells where the water table is close to surface, the amount of sand above the screen and bentonite will be reduced to allow for a minimum of 2 –3 feet of cement grout.
10. At the surface, each well is usually secured with a locking cap and a steel well protector set in a 2 by 2 foot concrete pad. In some cases, stick-up well protectors are used to secure the well and allow the well to more easily be located in wooded or open areas.
11. Each monitoring well is developed by surging, pumping, or bailing to obtain clear water samples. All water removed during development was managed according to State specific standards.

5.0 Water Sampling Procedures

Pyramid relies on water sampling as a primary method for assessment of subsurface conditions. Water sampling typically includes sampling groundwater from monitoring wells, supply wells, surface water bodies, waste pits, sumps, etc…. The following provides typical sampling procedures for the major sample types.

5.1 Monitoring Wells

1. Prior to sampling each monitor well, depth to product/groundwater and total well depth are measured using a properly decontaminated electric interface probe. This information is recorded in the field record and the volume of the water in the well casing is calculated.
2. To purge stagnant water from each monitor well, five well casing volumes of water are removed from each well, or until the field parameters pH, Conductivity, D.O., and Temperature have stabilized. If the water in the monitoring well is removed until the well is dry, then the well is

sampled thereafter. Water removed from wells during purging is managed according to the DENR Guidelines.

3. Depending on project requirements, temperature, pH, specific conductance, dissolved oxygen, and other parameters may be measured prior to sampling.
4. Groundwater samples are typically collected using a new disposable polyethylene bailer and a new length of nylon cord. To prevent cross contamination of samples between wells, a new disposable bailer is used for each well. A new pair of disposable gloves is worn by field personnel during purging and sampling, and is changed between wells.
5. In the case of small diameter monitoring wells or direct-push water samples, water samples may be collected using a peristaltic pump and new polyethylene tubing. Another method is to use a segment of new polyethylene tubing and a stainless-steel check ball to create a "Tube Bailer".
6. Groundwater samples selected for laboratory analysis are placed in properly prepared, laboratory supplied containers and immediately packed in a cooler on ice. Samples are maintained under strict control using standard chain-of-custody procedures through laboratory analysis.

5.2 Water Supply Well Sampling Procedures

1. Prior to sampling each water supply well, the well owner is contacted to provide access to the well. The well owner is interviewed to find the faucet closest to the well for sampling. If there are no faucets located on the well, then an outside faucet is used. If there are no outside faucets available, then an inside tap is used. The information regarding the location of the faucet is recorded in the field book.
2. The owner is interviewed to see if there is a chlorination system on the well, or if the well has been recently chlorinated. Recent chlorination could affect the laboratory detection limits. In most cases, the samples are preserved using sodium thiasulfate or ascorbic acid to remove the interactions of chlorine, which may be present in the samples.
3. To purge stagnant water from the water supply well system, the faucet is allowed to run on full stream for a minimum of 15 minutes. The aerator is removed from the tap if one is present. Water removed from wells during purging is managed according to State Standards.
4. Supply well samples are collected using appropriate laboratory prepared containers for each analysis. The analytical methods selected will vary with the contaminant of interest.
5. To prevent cross contamination of samples between wells, disposable latex gloves are worn by field personnel during purging and sampling and are changed between wells.
6. It is possible that samples may be required at several places within the water supply system. The samples will be collected accordingly and labeled to show the source and location sampled.
7. Supply well samples selected for laboratory analysis are placed in properly prepared, laboratory supplied containers and immediately packed in a cooler on wet ice, and chilled to approximately 4 degrees Celsius. Samples are maintained under strict control using standard chain-of-custody procedures through laboratory analysis.

5.3 Surface Water Sampling

Surface water samples are obtained using several techniques including use of sample bailers, scoops, from boats, bridges, or actually wading into a stream. Caution should always be used when sampling surface water to insure that the water collected is representative of the conditions. Since stream or open water sampling is transient, careful documentation of the conditions is required. In many studies, additional samples from upstream and downstream of the desired sample point are required. Surface water sampling must be planned to reflect the desired conditions during sampling. The general procedures are similar to the supply well sampling procedures detailed above.

1. Prepare the appropriate laboratory prepared containers for each analysis. The analytical methods selected will vary with the contaminant of interest.
2. To prevent cross contamination of samples between samples, disposable latex gloves are worn by field personnel during purging and sampling and are changed between samples.
3. It is possible that samples may be required at several places along the stream to check for influences of up-stream facilities. The samples will be collected accordingly and labeled to show the source and location sampled.
4. Sample will always be collected upstream of the area disturbed by the sampler.
5. Surface water samples selected for laboratory analysis are placed in properly prepared, laboratory supplied containers and immediately packed in a cooler on ice. Samples are maintained under strict control using standard chain-of-custody procedures through laboratory analysis.

6.0 Quality Assurance / Quality Control

The decontamination procedures listed above have been implemented on many sites with excellent results. The procedures are often verified by an appropriate use of the following environmental sample "Blanks".

Trip Blanks are used to verify that the sample containers are not impacted during shipping, and verify that the source of the glassware is not the source of contamination. The Trip Blanks are preserved de-ionized water, collected in the laboratory, and shipped with the sample containers to the site. The trip blank remains in the cooler and is shipped back to the laboratory with the environmental samples. The Trip Blank is usually analyzed for volatile organics, which correspond to the target analyses.

Field Blanks are quality assurance samples which are collected in the field to represent the conditions present at the time the samples are collected. For water samples, the laboratory containers are opened and filled in the field using de-ionized (or distilled) water from a known source. The samples then travel to the laboratory with the other samples for analysis.

Equipment Blanks are used to verify whether the decontamination procedures used were effective in removing the contaminants from the sampling device. If a non-disposable sampling device is used (such as a sampling treir, scoop, hand auger, Teflon bailer, etc…, then the decontamination of the sampling device is usually verified using an equipment blank. The equipment blank is collected using de-ionized (or distilled) water from a known source. The equipment is cleaned, and allowed to dry, the water is poured over or through the equipment, and collected in the appropriate sample containers. The equipment blank samples are preserved with the other environmental samples, and shipped for analyses for the target parameters.

Duplicate Samples are used to verify the sampling procedures and laboratory analysis variability. The duplicate samples may be collected from waste streams, soil, or groundwater. These samples are collected and sent to the laboratory as a blind sample to have maximum effectiveness. Samples are generally analyzed for the same analytical methods as the actual environmental sample for direct comparison.

Appendix F

TCLP ANALYSIS FOR DEMOLITION DEBRIS

206 E. Main Street, Carrboro, North Carolina
July 11, 2013

Brett S. Higgins
Project Manager
NC Asbestos Inspector License #11110
NC Lead Inspector License #110171

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.
P.O. Box 16265
503 Industrial Ave.
Greensboro, North Carolina 27416 (27406)
(336) 335-3174

Prepared For:
Mr. Kevin Benedict
Main Street Properties of Chapel Hill, LLC
8 Kendall Drive
Chapel Hill, NC 27514

TABLE OF CONTENTS

1.0 INTRODUCTION 1
2.0 SAMPLING & LABORATORY ANALYSIS 1
3.0 CONCLUSIONS AND RECOMMENDATIONS 3
4.0 LIMITATIONS 3

FIGURES

1) Site Location Map

ATTACHMENTS

I. NC Asbestos & Lead Inspector Licenses
II. Laboratory Report & Chain of Custody Form
III. Photographs

1.0 INTRODUCTION

As requested by Main Street Partners of Chapel Hill, LLC, Pyramid Environmental and Engineering, P.C. has completed pre-demolition bulk sampling of building materials for the existing buildings located at 206 E. Main Street, Carrboro, North Carolina. The location of the site is shown on **Figure 1**. The subject property includes a one-story former automobile service station building containing approximately 1,330 square feet and a one-story office and storage building containing approximately 800 square feet. According to the Orange County tax records, the property has been owned by Main Street Partners of Chapel Hill, LLC since 2005.

The year of construction could not be determined. The Orange County GIS and City of Carrboro GIS did not include the date of construction of the buildings in their records. Pyramid estimates that the former service station building was constructed in the 1930s. Available Sanborn Fire Insurance maps indicate the original service station building was built between 1932 and 1949. It appears that a 325-square foot addition was constructed on the east side of the building at a later date. Available aerial imagery on Google Earth suggests that the office building was added to the south of the former service station between 1993 and 1999.

On July 1, 2013, Pyramid collected the bulk samples of building materials from the site buildings. At the time of the site visit, the former service station buildings was still occupied by Seagrove Pottery which used over half of the building as a retail pottery store; however, most of their merchandise and accessories had been moved out. Main Street Properties occupied the other portion of the building for office and storage space and was also in the process of moving out. The northern portion of the office building was used by Cats Cradle, an entertainment venue on the adjacent property to the east and the southern portion of the building was used by Main Street Properties as storage space.

The scope of work included the collection of two composite samples of representative bulk building materials from each building and laboratory analysis of the materials for the 8 RCRA metals using EPA Method 1311, Toxicity Characteristic Leachate Procedure (TCLP). The samples were collected on July 1, 2013 and access to the building was provided by Main Street Properties.

2.0 SAMPLING & LABORATORY ANALYSIS

On July 1, 2013, Pyramid traveled to the site to collect the composite bulk building material samples for laboratory analysis. The samples were collected by Brett Higgins, a NC accredited asbestos inspector (License #11110) and NC accredited lead inspector (License #110171). Copies of the valid asbestos and lead inspector licenses are included as **Attachment I.**

Two separate composite samples were collected, one from the original service station building (206A) and one from the office/storage building (206B). Pyramid collected representative samples of interior and exterior building materials that will be transported offsite as demolition debris for proper disposal or recycling.

Composite sample 206A included samples of the exterior painted galvanized metal siding, painted particle board siding, painted concrete block, painted concrete curbing near the front of the building and painted wood trim. The interior samples included painted concrete block, painted drywall, painted wood paneling, suspended ceiling tile and unpainted galvanized duct work. The materials were placed into a 1 liter plastic container and properly sealed and labeled.

Composite sample 206B included samples of the exterior painted concrete block and painted wood trim. The interior samples included painted concrete block, painted drywall, painted wood trim, painted vinyl baseboard and painted concrete floor. The building materials placed into a 1 liter plastic container and properly sealed and labeled.

The materials samples were delivered to Pace Analytical Services in Huntersville, North Carolina for TCLP analysis with a requested turnaround time of 4 days. The samples were analyzed for RCRA metals using EPA Method 1311 for TCLP.

Copies of the asbestos laboratory report and chain of custody form are included in **Attachment II**. The laboratory results of each sample with the Federal RCRA TCLP standards are presented in **Table 1**.

Table 1
TCLP Laboratory Results of Bulk Building Materials
206 E. Main Street, Carrboro, NC

Parameters	Laboratory Results (mg/L)		Federal RCRA-TCLP Limits for Hazardous Waste Criteria (mg/L)
	Sample 206A	Sample 206B	
Arsenic	ND	ND	5.0
Barium	0.33	0.29	100
Cadmium	ND	ND	1.0
Chromium	ND	ND	5.0
Lead	ND	ND	5.0
Selenium	ND	ND	1.0
Silver	ND	ND	5.0
Mercury	ND	0.44 µg/L Which is = 0.00044 mg/L	0.2

ND = None detected at or above adjusted laboratory reporting limit

As indicated in Table 1, the laboratory results for Sample 206A indicate that none of the targeted RCRA metals were detected at concentrations that exceed the laboratory detection limits, with the exception of barium which was detected at 0.33 milligrams per liter (mg/L). The laboratory results for Sample 206B indicate that barium was detected at 0.29 mg/L and mercury was detected at 0.44 micrograms per liter (μg/L), which converts to .00044 mg/L.

As indicated in Table 1, the laboratory results of the representative building materials indicate that none of the targeted RCRA metals were detected at concentrations that exceed the current Federal RCRA-TCLP Limits for Hazardous Waste Criteria.

3.0 CONCLUSIONS AND RECOMMENDATIONS

The laboratory results of representative bulk building materials collected at 206 E. Main Street, in Carrboro, NC indicate that the demolition debris is non-hazardous material and can be transported offsite for proper disposal at a permitted construction and demolition debris landfill or taken to recycling facilities. It is our understanding that Orange County requires that certain materials be segregated for recycling during the demolition. These materials will be taken to the appropriate recycling facilities in Orange County.

4.0 LIMITATIONS

The observations, conclusions, and recommendations documented in this report are based on site conditions and information reviewed at the time of Pyramid's investigation. Pyramid Environmental and Engineering P.C. appreciates the opportunity to provide this environmental service.

The findings of this investigation are based on visual observations and the laboratory analysis of composite samples of representative building materials collected from accessible areas of the buildings. The findings do not warrant that all buildings materials were sampled and analyzed. If additional materials not representative of the materials described in this report are discovered during demolition, these materials should be sampled and analyzed for TCLP.

PRE-DEMOLITION ASBESTOS SURVEY

206 E. Main Street, Carrboro, North Carolina
June 20, 2013

Brett S. Higgins
Project Manager
NC Asbestos Inspector License #11110

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.
P.O. Box 16265
503 Industrial Ave.
Greensboro, North Carolina 27416 (27406)
(336) 335-3174

Prepared For:
Mr. Kevin Benedict
Main Street Properties of Chapel Hill, LLC
8 Kendall Drive
Chapel Hill, NC 27514

TABLE OF CONTENTS

1.0 INTRODUCTION **1**

2.0 SAMPLING & LABORATORY ANALYSIS **1**

2.1 ASBESTOS CONTAINING MATERIALS 2

3.0 MATERIALS ANALYZED **4**

4.0 CONCLUSIONS AND RECOMMENDATIONS **4**

5.0 LIMITATIONS **5**

FIGURES

1) Site Location Map
2) Roof Sample Locations
3) Interior and Exterior Sample Locations

ATTACHMENTS

I. NC Asbestos Inspectors License
II. Laboratory Report, Chain of Custody Forms and Bulk Sampling Forms
III. Photographs

1.0 INTRODUCTION

As requested by Main Street Partners of Chapel Hill, LLC, Pyramid Environmental and Engineering, P.C. has completed a Pre-demolition Asbestos Survey for the existing buildings located at 206 E. Main Street, Carrboro, North Carolina. The location of the site is shown on **Figure 1**. The subject property includes a one-story former automobile service station building containing approximately 1,330 square feet and a one-story office and storage building containing approximately 800 square feet. According to the Orange County tax records, the property has been owned by Main Street Partners of Chapel Hill, LLC since 2005.

The year of construction could not be determined. The Orange County GIS and City of Carrboro GIS did not include the date of construction of the buildings in their records. Pyramid estimates that the former service station building was constructed in the 1930s. It appears that a 325-square foot addition was constructed on the east side of the building at a later date. Available aerial imagery on Google Earth suggests that the office building may have been added to the south of the former service station between 1993 and 1999.

At the time of the survey, the former service station building was occupied by Seagrove Pottery which used over half of the building as a retail pottery store occupied. Main Street Properties occupied the other portion of the building for office and storage space. The northern portion of the office building was used as office space by Cats Cradle, an entertainment venue on the adjacent property to the east and the southern portion of the building was used by Main Street Properties as storage space.

The scope of work included sampling and laboratory analysis of suspected asbestos-containing materials associated with the buildings. The sampling was conducted on June 18, 2013 and access to the building was provided by Main Street Properties.

2.0 SAMPLING & LABORATORY ANALYSIS

On June 18, 2013, Pyramid conducted a pre-demolition asbestos survey at the above-referenced property. The samples were collected by Brett Higgins, a North Carolina accredited asbestos inspector (License #11110). A copy of the valid asbestos inspector license in included as **Attachment I.** Representative samples of suspect asbestos containing materials (ACMs) were collected, and included: three types of floor tile, ceiling tile, wallboard, drywall, HVAV duct insulation, ceiling insulation, window glazing, joint compound and roofing materials. Forty-one (41) samples of ACMs were collected for laboratory analysis.

The "positive stop" process was applied to the samples submitted to the laboratory. In this process no additional samples from a homogenous area of material are analyzed if the initial sample or subsequent sample from the homogenous area tests positive for asbestos.

Many of the samples that were analyzed contained two or more layers that were analyzed separately. Based on the lab report 47 separate samples were analyzed by the laboratory for asbestos. All roof sample locations were patched using a rubberized roof sealant. The roof sample locations are shown on **Figure 2**. All other sample locations are shown on **Figure 3**.

The samples were placed into new individual plastic bags, properly sealed and labeled, and delivered to Scientific Analytical Institute (SAI) in Greensboro, North Carolina for analysis with a requested turn around time of 24 hours. The samples were analyzed for asbestos using polarized light microscopy (PLM) with dispersion staining in accordance with EPA Method 600/R-93/116.

Copies of the asbestos laboratory report, field sampling forms and chain of custody form are included in **Attachment II**. The regulatory threshold for considering a material an Asbestos Containing Material (ACM) is greater than 1 % asbestos. Based on the laboratory report several of the samples collected from the building at 206 E. Main Street contained greater than 1 percent asbestos. Descriptions of the samples containing greater than 1 percent asbestos are included in **Table 1**.

2.1 ASBESTOS CONTAINING MATERIALS

As indicated by the laboratory results of the samples collected at the site, asbestos greater than 1 percent was detected in several of the samples collected from the buildings at 206 E. Main Street, in Carrboro, NC. The positive asbestos containing samples are included in **Table 1** below.

Table 1: Summary of ACM Samples

Sample ID	Location	Sample Description	PLM Analysis	Condition
1-B	Main Bldg. Roof - East side	Silver coating on rubber membrane	5% chrysotile	Good
3	Main Bldg. Roof - East side	Built-up tar roof system – under rubber membrane	8% chrysotile	Good
5-B	Main Bldg. Roof – divider between rubber areas and gravel area	Silver coating on rubber membrane	5% chrysotile	Good
9	Main Bldg. Roof – North perimeter	Flashing around perimeter	3% chrysotile	Good

Sample ID	Location	Sample Description	PLM Analysis	Condition
10	Main Bldg. Roof – divider between rubber areas and gravel area	Flashing	10% chrysotile	Good
11	Main Bldg. Roof - west side	Flashing at Brick Chimney	3% chrysotile	Good
13	Main Bldg. Roof - west side	Flashing at vent pipe	5% chrysotile	Good
15	Main Bldg. Roof – lower far west side	Flashing around perimeter	5% chrysotile	Good
22-B	Main Bldg. – leasing office in NW corner of bldg.	Black mastic on black & brown floor tile (painted gray)	8% chrysotile	Good
24-A	Main Bldg. – leasing office in NW corner of bldg.	White floor tile- 2nd layer under gray painted tile	3% chrysotile	Good
24-B	Main Bldg. – leasing office in NW corner of bldg.	Black mastic on white floor tile	5% chrysotile	Good
25-C	Main Bldg. – leasing office in NW corner of bldg.	Mixed mastics on white floor tile	2% chrysotile	Good
26-A	Main Bldg. – leasing office in NW corner of bldg.	Red floor tile- 3rd layer	5% chrysotile	Good
37	Office Bldg. – metal frame window on west side of bldg.	Window glazing	2% chrysotile	Poor

As indicated in Table 1, the rubber membrane found on the east side of the main building roof includes a silver coating that contains 5 percent chrysotile asbestos. This portion of the roof also includes built-up tar under the rubber member. The built-up tar layer was found to contain 8 percent chrysotile asbestos. All of the flashing samples collected from the roof contained 3 – 10 percent chrysotile asbestos. The black mastic, white floor tile, red floor tile and mixed mastics samples collected from the west side of the main building contained 2 - 8 percent chrysotile asbestos. The only asbestos containing material found at the office building is the glazing compound on the two metal-framed (9 pane) windows on the west side of the office building.

Based on the measurements recorded by Pyramid, the following quantities of ACMs were identified at the subject property. These materials are shown on **Figures 4 and 5**.

- Rubber membrane with silver ACM coating. (Approx. 350 square ft)
- Built-up tar roof under rubber membrane. (Approx. 350 square ft.)
- Asbestos-containing flashing on main building roof (Approx. 150 linear or square ft.)
- Floor tile and mastic in west side of main building. (Approx. 350 square ft.)
- Window glazing on two metal-framed (9 pane) windows on the west side of the office building.

3.0 MATERIALS ANALYZED

Following is a list of materials that were sampled and analyzed at the building with the sample identification number in parentheses.

- Built-up tar and rubber membrane roof system including flashing (1 thru 21)
- Three layers of floor tile in former service station bldg. (22 thru 27)
- 2x4 ft. drop-in ceiling tile (28)
- Fiberboard and drywall ceiling in former service station bldg. (29 & 30)
- Insulation of HVAC duct work in pottery store (31)
- Insulation panel on ceiling in pottery store (32)
- Window glazing on interior of pottery store (33)
- Drywall in office bldg. (34, 36 & 39)
- Cove base molding in office bldg. (35)
- Window glazing on exterior windows of office bldg. (36 & 37)
- Joint compound in office bldg. (40)
- Fiberboard siding on west side of former service station bldg. (41)

The building was visually and physically inspected and no other suspected ACMs were identified. The general construction of the two building includes concrete slab on grade, concrete block walls, a wood truss roof structure with wood decking. The former service station building has a flat roof covered by built-up tar and rubber membrane system. The office building has a pitched roof covered by asphalt shingles. The floor in the pottery store is bare. The floor in the portion occupied by Main Street Properties is covered by two layers of floor tile. A third layer was detected in the northwest part of the building. The trusses above the drop-in ceilings were observed as bare wood. The interior walls are painted concrete block, wood paneling or drywall. The areas above the drop ceilings were visually inspected and no additional suspect ACMs were identified.

4.0 CONCLUSIONS AND RECOMMENDATIONS

The laboratory results of the asbestos survey indicate that asbestos-containing materials were identified in the buildings located at 206 E. Main Street, in Carrboro, NC.

The EPA's National Emission Standards for Hazardous Air Pollutants (NESHAP) requires an asbestos survey and a ten working day notification prior to the demolition and/or renovation of all commercial, institutional, or industrial buildings. Demolition activities that disturb or may potentially disturb ACMs are regulated by the requirements of NESHAP. Non-friable ACM must be classified under NESHAP as either Category I or Category II ACM.

Category I ACM includes intact roofing materials, gaskets, packing materials, resilient floor coverings and floor mastics and is less likely to release fibers when disturbed or damaged. Friable ACM is considered to be a Regulated Asbestos-Containing Material (RACM). All Category II non-friable ACM that is deemed to have a high probability of becoming friable during renovation or demolition activities must be considered RACM unless it can be removed intact in whole pieces. In addition, all Category I non-friable ACM that has become friable or will be subjected to sanding, cutting, grinding, or abrading during demolition activities must be treated as RACM. Current NESHAP regulations require the removal of RACM prior to disturbance through renovation of demolition.

The ACMs identified at the subject property (roof flashing, built-up tar roofing, floor tile and mastic) are considered Category I ACM. The window glazing would likely become friable during demolition and would be considered RACM.

According to the current NESHAP requirements, no person shall remove more than 35 cubic feet, 160 square feet, or 260 linear feet of friable asbestos containing material or non-friable asbestos containing material that may become friable during handling without a permit. This work must also be performed by trained and accredited asbestos personnel, with the proper air emission controls and the asbestos must be disposed of at a permitted facility.

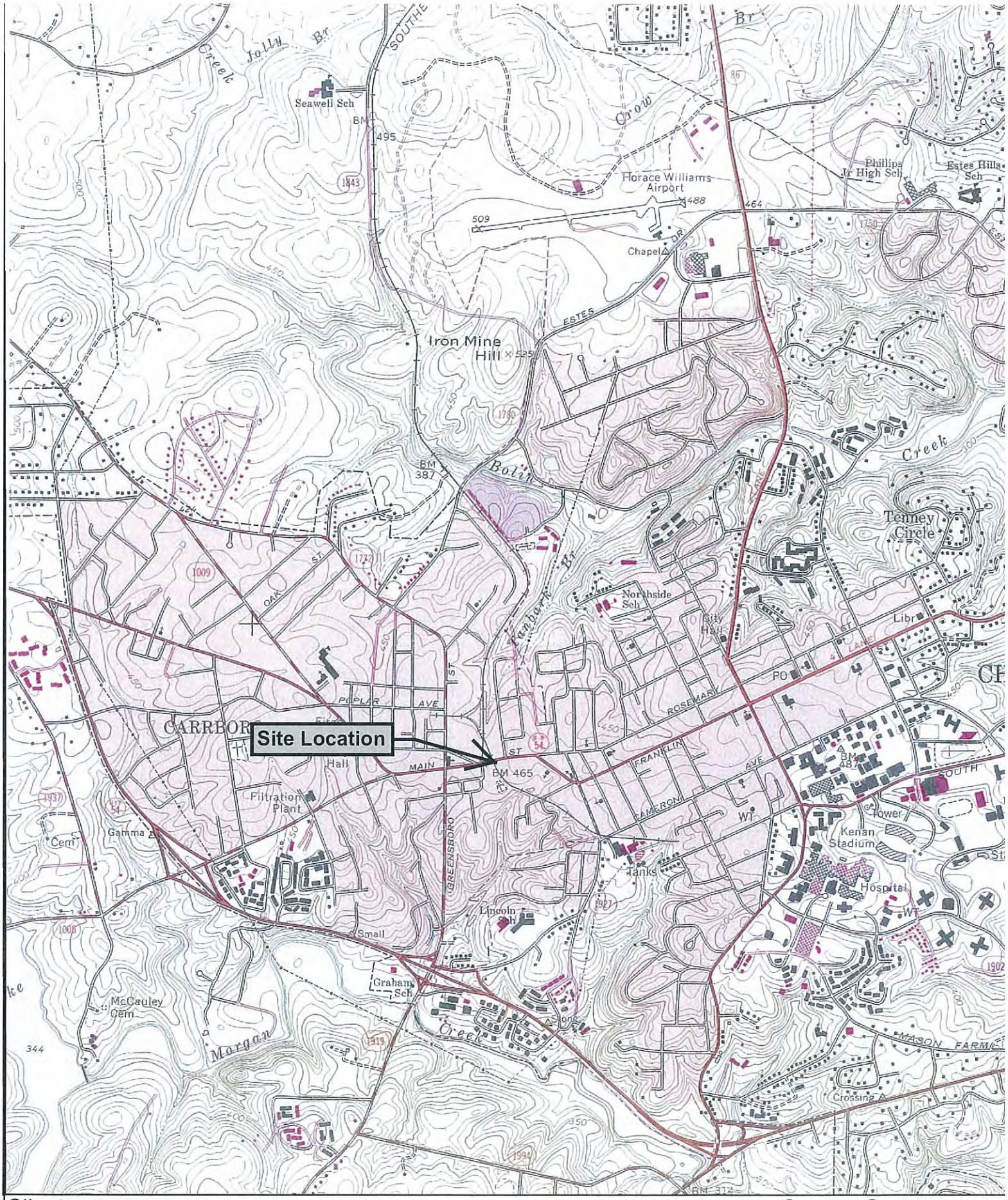
Pyramid recommends that the ACMs identified at the site be removed by an NC accredited asbestos removal company in accordance with all applicable Federal, State and local regulations.

5.0 LIMITATIONS

The observations, conclusions, and recommendations documented in this report are based on site conditions and information reviewed at the time of Pyramid's investigation. Pyramid Environmental and Engineering P.C. appreciates the opportunity to provide this environmental service.

The findings of the asbestos survey are based on visual observations and the laboratory analysis of samples collected from accessible areas. The findings do not warrant that all ACMs have been identified. ACMs could be present in areas not accessible to observation. If additional suspect ACMs are discovered during demolition, these materials should be presumed to contain asbestos and handled accordingly until sampled by an accredited asbestos inspector and analyzed by an accredited laboratory.

Figures



Client: Main Street Properties of Chapel Hill, LLC
Site: 206 E. Main Street
City/State: Carrboro, NC
Title: 1981 - Chapel Hill Quad

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

County: Orange
Scale: 1" = 2,000'
Project Number: 2013-152
Figure #: 1

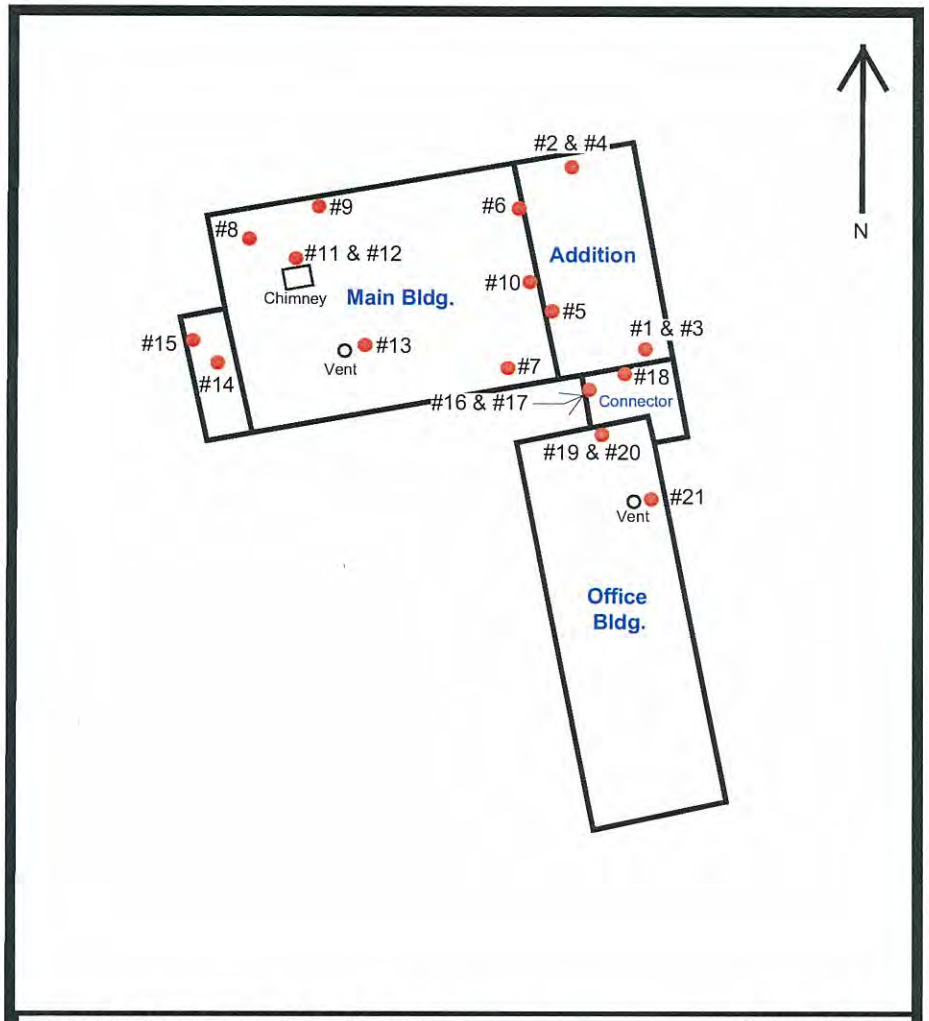


Figure 2: Building Layout with Roof Samples
Client: Main Street Partners of Chapel Hill, LLC
Location: 206 E. Main Street, Carrboro, NC
Pyramid Project: 2013-152

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

Scale: ~1"=25'
Date: 6/18/13

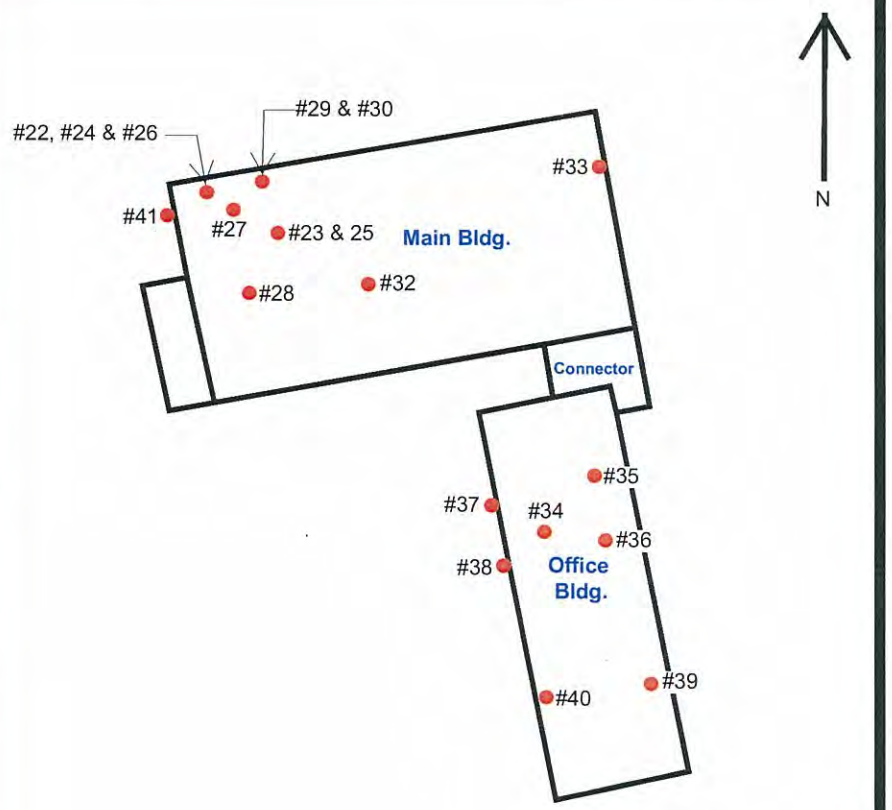


Figure 3: Building Layout with Int.- Ext. Samples
Client: Main Street Partners of Chapel Hill, LLC
Location: 206 E. Main Street, Carrboro, NC
Pyramid Project: 2013-152

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

Scale:~1"=25'
Date: 6/18/13

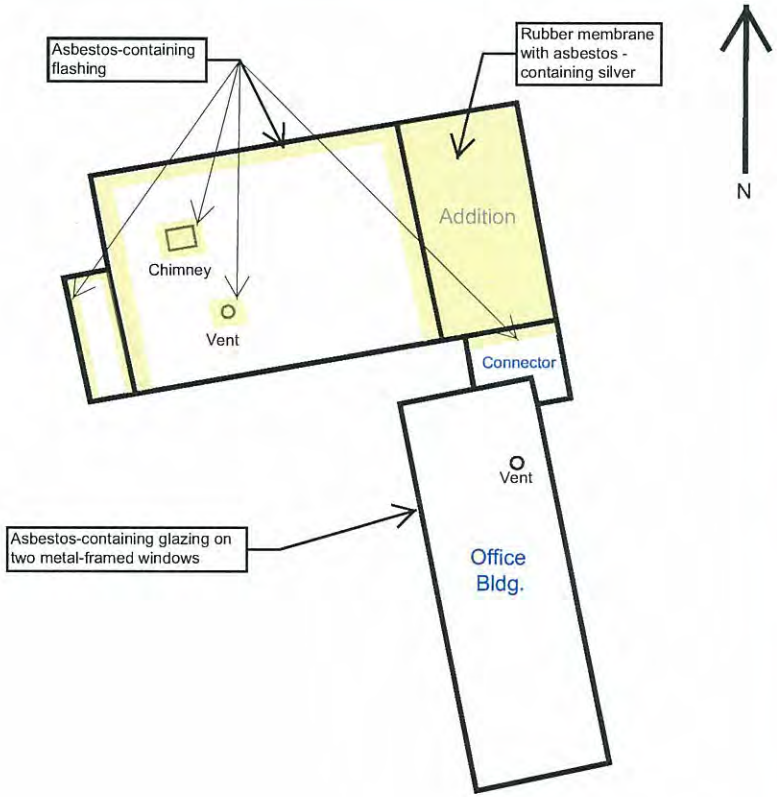


Figure 4: Asbestos-Containing Roofing / Window Glazing
Client: Main Street Properties, LLC
Location: 206 E. Main Street, Carrboro, NC
Pyramid Project: 2013-152

PYRAMID ENVIRONMENTAL & ENGINEERING, P.C.

Scale: ~1"=25 ft.
Date: 6/18/13

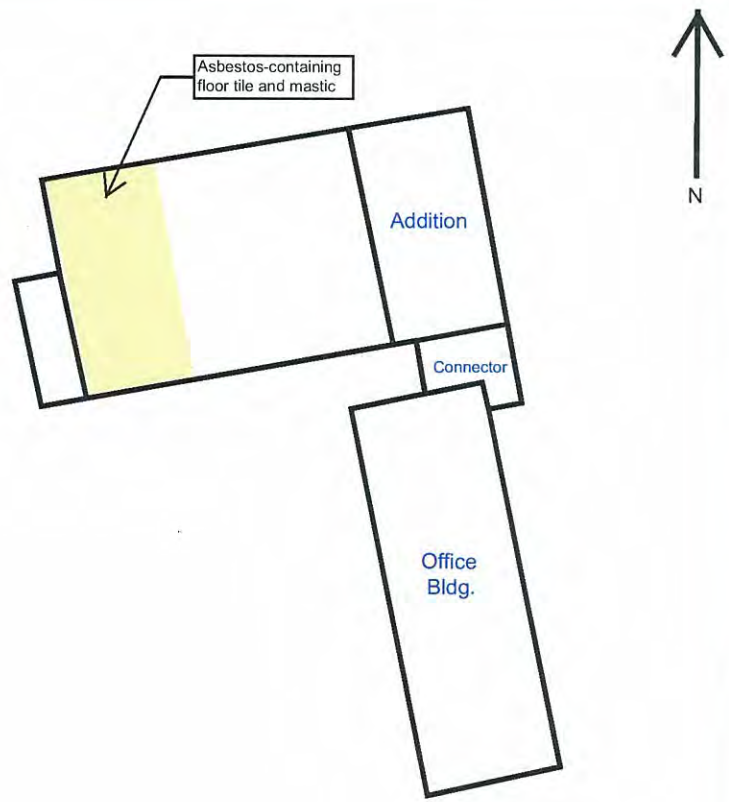


Figure 5: Asbestos-Containing Floor Tile & Mastic
Client: Main Street Properties, LLC
Location: 206 E. Main Street, Carrboro, NC
Pyramid Project: 2013-152

PYRAMID ENVIRONMENTAL & ENGINEERING, P.C.

Scale: ~1"=25 ft.
Date: 6/18/13

EME Industrial Services, LLC

1541 Pleasant Ridge Road
Greensboro, NC 27409

Invoice

Date	Invoice #
7/17/2013	13-001-73

Bill To
PYRAMID ENVIRONMENTAL & ENGINEERING, PC ATTN: MIKE JONES 503 INDUSTRIAL AVENUE GREENSBORO, NC 27406

P.O. No.	Terms	Project
QUOTE	Net 15	13-001 ASB/INS/LEAD/M...

Quantity	Description	Rate	Amount
	PROJECT: 206 EAST MAIN STREET CARRBORO, NC		
	SCOPE OF WORK: REMOVED AND DISPOSED OF ACM AS IDENTIFIED IN SURVEY BY PYRAMID DATED 6/20/13. THIS CONSISTED OF FLOORING, ROOFING AND WINDOW GLAZING.	3,839.00	3,839.00
	ALSO ENCLOSED: POST ABATEMENT INSPECTION and NORTH CAROLINA ASBESTOS WASTE SHIPMENT RECORD		

	Total	$3,839.00

EME INDUSTRIAL SERVICES, LLC
Demolition, Site And Selective ♦ Asbestos, Lead Paint And Mold Abatement

POST ABATEMENT INSPECTION

DATE: 7-14-13

CLIENT: Attn: Mike Jones
Pyramid Environmental
503 Industrial Ave.
Greensboro, NC

JOB SITE ADDRESS: 206 East Main St.
Carrboro, NC

DESCRIPTION: Asbestos Abatement

EME Industrial Services, LLC, as represented by the undersigned, does hereby certify that after visual inspection, the above referenced project is free of ACM as identified in Survey by Pyramid Environmental dated 6-20-13. This material has been abated and disposed of in a certified landfill.

BY: James E Buchanan
James Buchanan

INSPECTOR ACCREDITATION # 10000 DATE: 7-14-13

NC DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH
HEALTH HAZARDS CONTROL UNIT

TYPE OR USE BALLPOINT PEN
PRESS FIRMLY - ALL COPIES
MUST BE LEGIBLE

NORTH CAROLINA ASBESTOS WASTE SHIPMENT RECORD

#13-001

1. Waste Generator/Owner Name and Address: 206 E Main Street Carrboro, NC	Work Site Name and Physical Address: SAME AS OWNER	Waste Generator/Owner Phone Number: Mike Jones, Pyramid Envroni (336) 335-3174
2. Contractor Name and Address: EME Industrial Services, LLC 1541 Pleasant ridge Road, Greensboro, NC 27409		Contractor Phone Number: (336) 664-0003
3. Waste Disposal Site (WDS) Name, Mailing Address: A-1 Sandrock 2091 Bishop Road Greensboro, NC	WDS Physical Site Location: 2091 BishopRoad NC Landfill Permit #: 41-17	WDS Phone Number: (336) 855-8195

4. Name of Responsible Agency:

[ ] Forsyth Co. Environmental Affairs Dept.
[ ] Mecklenburg Co. Dept. of Environmental Protection
XX NC DHHS - Health Hazards Control Unit
[ ] WNC Regional Air Pollution Control Agency

Permit #: _____ NESHAP (ACTS) ID #: _____
Start Date: _____ Complete Date: _____

5. Description of materials: Non Friable ACM Flooring, Roofing, Window Glazing

6. Containers Number: _____ Vehicle: I-10
Type: _____

RQ, ASBESTOS, CLASS 9
NA 2212, III

7. Total Quantity (yd³)m³:

8. Special Handling Instructions and Additional information:

DO NOT TEAR BAGS

EMERGENCY CONTACT: DIVISION OF EMERGENCY MANAGEMENT AT 1-800-858-0368

9. CONTRACTOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.

Printed/Typed Name & Title: Kenny Grimes, Operations Manager
Signature: Kenny Grimes Date (MM/DD/YY): 7-15-13

10. Transporter 1 (Acknowledgment of Receipt of Materials):

Printed/Typed Name & Title: James Brittian, Supervisor
Address: 1541 Pleasant Ridge Road, Greensoro, NC 27409 Phone Number: 336-664-0003
Signature: James Brittian Date (MM/DD/YY): 7-15-13

11. Transporter 2 (Acknowledgment of Receipt of Materials):

Printed/Typed Name & Title: _____
Address: _____ Phone Number: _____
Signature: _____ Date (MM/DD/YY): _____

12. Discrepancy Indication Space:

13. Waste Disposal Site: Owner or Operator Certification of Receipt of Asbestos Materials Covered by this Manifest, Except as Noted in Item #12.

Printed/Typed Name & Title: Jason Tarkenton A1 Sandrock (Scales) Total Weight (Tons): 1.53 tons
Signature: Jason Tarkenton Date (MM/DD/YY): 7-15-13

DHHS 3787 (Revised8/99)
Health Hazards Control Unit

(1 copy- Waste Generator/Owner; 1 copy- Contractor; 1 copy - Transporter; 1 copy -Disposal Site; 1 copy - Health Hazards Control Unit)

Appendix G

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

August 07, 2013

Mr. Mike Jones
Pyramid Environmental
P.O. Box 16265
503 Industrial Avenue
Greensboro, NC 27416

RE: Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Dear Mr. Jones:
Enclosed are the analytical results for sample(s) received by the laboratory on July 23, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted 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 Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92166131001	**NRB-1**	MADEP EPH	EJK	7	PASI-C
		MADEP VPH	GAW	5	PASI-C
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92166131002	**WRB-1**	MADEP EPH	NU1	7	PASI-C
		MADEP VPH	GAW	5	PASI-C
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92166131003	**WRB-2**	MADEP EPH	NU1	7	PASI-C
		MADEP VPH	GAW	5	PASI-C
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92166131004	**WRB-3**	MADEP EPH	NU1	7	PASI-C
		MADEP VPH	GAW	5	PASI-C
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92166131005	**WRB-4**	MADEP EPH	EJK	7	PASI-C
		MADEP VPH	GAW	5	PASI-C
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92166131006	**SRB-1**	MADEP EPH	NU1	7	PASI-C
		MADEP VPH	GAW	5	PASI-C
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92166131007	**ERB-1**	MADEP EPH	NU1	7	PASI-C
		MADEP VPH	GAW	5	PASI-C
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92166131008	**ERB-2**	MADEP EPH	NU1	7	PASI-C
		MADEP VPH	GAW	5	PASI-C

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92166131009	**ERB-3**	MADEP EPH	NU1	7	PASI-C
		MADEP VPH	GAW	5	PASI-C
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92166131010	**ERB-4**	MADEP EPH	NU1	7	PASI-C
		MADEP VPH	GAW	5	PASI-C
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92166131011	**DS-3**	EPA 8015 Modified	EJK	2	PASI-C
		EPA 8015 Modified	GAW	2	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92166131012	**DS-4**	EPA 8015 Modified	EJK	2	PASI-C
		EPA 8015 Modified	GAW	2	PASI-C
		ASTM D2974-87	TNM	1	PASI-C

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: NRB-1 **Lab ID: 92166131001** Collected: 07/22/13 10:30 Received: 07/23/13 15:30 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)	**567**	mg/kg	241	20	07/23/13 22:30	07/29/13 17:01		N2
Aliphatic (C19-C36)	ND	mg/kg	241	20	07/23/13 22:30	07/29/13 17:01		N2
Aromatic (C11-C22)	**103**	mg/kg	12.1	1	07/23/13 22:30	07/29/13 17:01		N2
Surrogates								
Nonatriacontane (S)	0	%	40-140	20	07/23/13 22:30	07/29/13 17:01	7194-86-7	S4
o-Terphenyl (S)	83	%	40-140	1	07/23/13 22:30	07/29/13 17:01	84-15-1	
2-Fluorobiphenyl (S)	152	%	40-140	1	07/23/13 22:30	07/29/13 17:01	321-60-8	S5
2-Bromonaphthalene (S)	179	%	40-140	1	07/23/13 22:30	07/29/13 17:01	580-13-2	S5
VPH NC Soil	Analytical Method: MADEP VPH Preparation Method: MADEP VPH							
Aliphatic (C05-C08)	**643**	mg/kg	13.6	4	07/29/13 13:41	07/29/13 20:57		N2,NC
Aliphatic (C09-C12)	**1310**	mg/kg	13.6	4	07/29/13 13:41	07/29/13 20:57		N2,NC
Aromatic (C09-C10)	**429**	mg/kg	13.6	4	07/29/13 13:41	07/29/13 20:57		N2,NC
Surrogates								
4-Bromofluorobenzene (FID) (S)	320	%	70-130	4	07/29/13 13:41	07/29/13 20:57	460-00-4	S4
4-Bromofluorobenzene (PID) (S)	310	%	70-130	4	07/29/13 13:41	07/29/13 20:57	460-00-4	S4
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	83-32-9	
Acenaphthylene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	208-96-8	
Aniline	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	62-53-3	
Anthracene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	120-12-7	
Benzo(a)anthracene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	56-55-3	
Benzo(a)pyrene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	207-08-9	
Benzoic Acid	ND	ug/kg	1990	1	07/23/13 20:45	07/26/13 20:13	65-85-0	
Benzyl alcohol	ND	ug/kg	795	1	07/23/13 20:45	07/26/13 20:13	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	101-55-3	
Butylbenzylphthalate	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	795	1	07/23/13 20:45	07/26/13 20:13	59-50-7	
4-Chloroaniline	ND	ug/kg	1990	1	07/23/13 20:45	07/26/13 20:13	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	108-60-1	
2-Chloronaphthalene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	91-58-7	
2-Chlorophenol	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	7005-72-3	
Chrysene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	53-70-3	
Dibenzofuran	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1990	1	07/23/13 20:45	07/26/13 20:13	91-94-1	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: NRB-1 **Lab ID: 92166131001** Collected: 07/22/13 10:30 Received: 07/23/13 15:30 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							
2,4-Dichlorophenol	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	120-83-2	
Diethylphthalate	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	105-67-9	
Dimethylphthalate	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	131-11-3	
Di-n-butylphthalate	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	795	1	07/23/13 20:45	07/26/13 20:13	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1990	1	07/23/13 20:45	07/26/13 20:13	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	606-20-2	
Di-n-octylphthalate	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	117-81-7	
Fluoranthene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	206-44-0	
Fluorene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	87-68-3	
Hexachlorobenzene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	77-47-4	
Hexachloroethane	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	193-39-5	
Isophorone	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	78-59-1	
1-Methylnaphthalene	**3210**	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	90-12-0	
2-Methylnaphthalene	**7860**	ug/kg	1990	5	07/23/13 20:45	07/30/13 12:09	91-57-6	
2-Methylphenol(o-Cresol)	**401**	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13		
Naphthalene	**11400**	ug/kg	1990	5	07/23/13 20:45	07/30/13 12:09	91-20-3	
2-Nitroaniline	ND	ug/kg	1990	1	07/23/13 20:45	07/26/13 20:13	88-74-4	
3-Nitroaniline	ND	ug/kg	1990	1	07/23/13 20:45	07/26/13 20:13	99-09-2	
4-Nitroaniline	ND	ug/kg	795	1	07/23/13 20:45	07/26/13 20:13	100-01-6	
Nitrobenzene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	98-95-3	
2-Nitrophenol	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	88-75-5	
4-Nitrophenol	ND	ug/kg	1990	1	07/23/13 20:45	07/26/13 20:13	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	86-30-6	
Pentachlorophenol	ND	ug/kg	1990	1	07/23/13 20:45	07/26/13 20:13	87-86-5	
Phenanthrene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	85-01-8	
Phenol	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	108-95-2	
Pyrene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:13	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	84	%	23-110	1	07/23/13 20:45	07/26/13 20:13	4165-60-0	
2-Fluorobiphenyl (S)	68	%	30-110	1	07/23/13 20:45	07/26/13 20:13	321-60-8	
Terphenyl-d14 (S)	74	%	28-110	1	07/23/13 20:45	07/26/13 20:13	1718-51-0	
Phenol-d6 (S)	64	%	22-110	1	07/23/13 20:45	07/26/13 20:13	13127-88-3	
2-Fluorophenol (S)	67	%	13-110	1	07/23/13 20:45	07/26/13 20:13	367-12-4	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: NRB-1 **Lab ID: 92166131001** Collected: 07/22/13 10:30 Received: 07/23/13 15:30 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							
Surrogates								
2,4,6-Tribromophenol (S)	75	%	27-110	1	07/23/13 20:45	07/26/13 20:13	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	20400	200		08/05/13 19:13	67-64-1	
Benzene	**4990**	ug/kg	1020	200		08/05/13 19:13	71-43-2	
Bromobenzene	ND	ug/kg	1020	200		08/05/13 19:13	108-86-1	
Bromochloromethane	ND	ug/kg	1020	200		08/05/13 19:13	74-97-5	
Bromodichloromethane	ND	ug/kg	1020	200		08/05/13 19:13	75-27-4	
Bromoform	ND	ug/kg	1020	200		08/05/13 19:13	75-25-2	
Bromomethane	ND	ug/kg	2040	200		08/05/13 19:13	74-83-9	
2-Butanone (MEK)	ND	ug/kg	20400	200		08/05/13 19:13	78-93-3	
n-Butylbenzene	**8690**	ug/kg	1020	200		08/05/13 19:13	104-51-8	
sec-Butylbenzene	ND	ug/kg	1020	200		08/05/13 19:13	135-98-8	
tert-Butylbenzene	ND	ug/kg	1020	200		08/05/13 19:13	98-06-6	
Carbon tetrachloride	ND	ug/kg	1020	200		08/05/13 19:13	56-23-5	
Chlorobenzene	ND	ug/kg	1020	200		08/05/13 19:13	108-90-7	
Chloroethane	ND	ug/kg	2040	200		08/05/13 19:13	75-00-3	
Chloroform	ND	ug/kg	1020	200		08/05/13 19:13	67-66-3	
Chloromethane	ND	ug/kg	2040	200		08/05/13 19:13	74-87-3	
2-Chlorotoluene	ND	ug/kg	1020	200		08/05/13 19:13	95-49-8	
4-Chlorotoluene	ND	ug/kg	1020	200		08/05/13 19:13	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	1020	200		08/05/13 19:13	96-12-8	
Dibromochloromethane	ND	ug/kg	1020	200		08/05/13 19:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	1020	200		08/05/13 19:13	106-93-4	
Dibromomethane	ND	ug/kg	1020	200		08/05/13 19:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	1020	200		08/05/13 19:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	1020	200		08/05/13 19:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	1020	200		08/05/13 19:13	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	2040	200		08/05/13 19:13	75-71-8	
1,1-Dichloroethane	ND	ug/kg	1020	200		08/05/13 19:13	75-34-3	
1,2-Dichloroethane	ND	ug/kg	1020	200		08/05/13 19:13	107-06-2	
1,1-Dichloroethene	ND	ug/kg	1020	200		08/05/13 19:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	1020	200		08/05/13 19:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	1020	200		08/05/13 19:13	156-60-5	
1,2-Dichloropropane	ND	ug/kg	1020	200		08/05/13 19:13	78-87-5	
1,3-Dichloropropane	ND	ug/kg	1020	200		08/05/13 19:13	142-28-9	
2,2-Dichloropropane	ND	ug/kg	1020	200		08/05/13 19:13	594-20-7	
1,1-Dichloropropene	ND	ug/kg	1020	200		08/05/13 19:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	1020	200		08/05/13 19:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	1020	200		08/05/13 19:13	10061-02-6	
Diisopropyl ether	ND	ug/kg	1020	200		08/05/13 19:13	108-20-3	
Ethylbenzene	**18300**	ug/kg	1020	200		08/05/13 19:13	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	1020	200		08/05/13 19:13	87-68-3	
2-Hexanone	ND	ug/kg	10200	200		08/05/13 19:13	591-78-6	
Isopropylbenzene (Cumene)	**5090**	ug/kg	1020	200		08/05/13 19:13	98-82-8	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: NRB-1 **Lab ID: 92166131001** Collected: 07/22/13 10:30 Received: 07/23/13 15:30 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							
p-Isopropyltoluene	**9530**	ug/kg	1020	200		08/05/13 19:13	99-87-6	
Methylene Chloride	ND	ug/kg	4090	200		08/05/13 19:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10200	200		08/05/13 19:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	1020	200		08/05/13 19:13	1634-04-4	
Naphthalene	**13900**	ug/kg	1020	200		08/05/13 19:13	91-20-3	
n-Propylbenzene	**11800**	ug/kg	1020	200		08/05/13 19:13	103-65-1	
Styrene	**2360**	ug/kg	1020	200		08/05/13 19:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	1020	200		08/05/13 19:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	1020	200		08/05/13 19:13	79-34-5	
Tetrachloroethene	ND	ug/kg	1020	200		08/05/13 19:13	127-18-4	
Toluene	**48100**	ug/kg	5110	1000		08/06/13 23:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	1020	200		08/05/13 19:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	1020	200		08/05/13 19:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	1020	200		08/05/13 19:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	1020	200		08/05/13 19:13	79-00-5	
Trichloroethene	ND	ug/kg	1020	200		08/05/13 19:13	79-01-6	
Trichlorofluoromethane	ND	ug/kg	1020	200		08/05/13 19:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	1020	200		08/05/13 19:13	96-18-4	
1,2,4-Trimethylbenzene	**78200**	ug/kg	5110	1000		08/06/13 23:35	95-63-6	
1,3,5-Trimethylbenzene	**30700**	ug/kg	1020	200		08/05/13 19:13	108-67-8	
Vinyl acetate	ND	ug/kg	10200	200		08/05/13 19:13	108-05-4	
Vinyl chloride	ND	ug/kg	2040	200		08/05/13 19:13	75-01-4	
Xylene (Total)	**127000**	ug/kg	10200	1000		08/06/13 23:35	1330-20-7	
m&p-Xylene	**97300**	ug/kg	10200	1000		08/06/13 23:35	179601-23-1	
o-Xylene	**30000**	ug/kg	1020	200		08/05/13 19:13	95-47-6	
Surrogates								
Dibromofluoromethane (S)	67	%	70-130	200		08/05/13 19:13	1868-53-7	S2
Toluene-d8 (S)	91	%	70-130	200		08/05/13 19:13	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130	200		08/05/13 19:13	460-00-4	
1,2-Dichloroethane-d4 (S)	73	%	70-132	200		08/05/13 19:13	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**17.0**	%	0.10	1		07/24/13 14:27		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: WRB-1 **Lab ID: 92166131002** Collected: 07/22/13 16:00 Received: 07/23/13 15:30 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)	ND	mg/kg	12.1	1	07/23/13 22:30	07/26/13 18:11		N2
Aliphatic (C19-C36)	ND	mg/kg	12.1	1	07/23/13 22:30	07/26/13 18:11		N2
Aromatic (C11-C22)	ND	mg/kg	12.1	1	07/23/13 22:30	07/26/13 18:11		N2
Surrogates								
Nonatriacontane (S)	62	%	40-140	1	07/23/13 22:30	07/26/13 18:11	7194-86-7	
o-Terphenyl (S)	68	%	40-140	1	07/23/13 22:30	07/26/13 18:11	84-15-1	
2-Fluorobiphenyl (S)	90	%	40-140	1	07/23/13 22:30	07/26/13 18:11	321-60-8	
2-Bromonaphthalene (S)	105	%	40-140	1	07/23/13 22:30	07/26/13 18:11	580-13-2	
VPH NC Soil	Analytical Method: MADEP VPH Preparation Method: MADEP VPH							
Aliphatic (C05-C08)	**5.9**	mg/kg	3.3	1	07/25/13 14:52	07/25/13 21:33		N2
Aliphatic (C09-C12)	**12.7**	mg/kg	3.3	1	07/25/13 14:52	07/25/13 21:33		N2
Aromatic (C09-C10)	ND	mg/kg	3.3	1	07/25/13 14:52	07/25/13 21:33		N2
Surrogates								
4-Bromofluorobenzene (FID) (S)	105	%	70-130	1	07/25/13 14:52	07/25/13 21:33	460-00-4	
4-Bromofluorobenzene (PID) (S)	99	%	70-130	1	07/25/13 14:52	07/25/13 21:33	460-00-4	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	83-32-9	
Acenaphthylene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	208-96-8	
Aniline	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	62-53-3	
Anthracene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	120-12-7	
Benzo(a)anthracene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	56-55-3	
Benzo(a)pyrene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	207-08-9	
Benzoic Acid	ND	ug/kg	1990	1	07/23/13 20:45	07/26/13 20:45	65-85-0	
Benzyl alcohol	ND	ug/kg	796	1	07/23/13 20:45	07/26/13 20:45	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	101-55-3	
Butylbenzylphthalate	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	796	1	07/23/13 20:45	07/26/13 20:45	59-50-7	
4-Chloroaniline	ND	ug/kg	1990	1	07/23/13 20:45	07/26/13 20:45	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	108-60-1	
2-Chloronaphthalene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	91-58-7	
2-Chlorophenol	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	7005-72-3	
Chrysene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	53-70-3	
Dibenzofuran	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1990	1	07/23/13 20:45	07/26/13 20:45	91-94-1	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: WRB-1 **Lab ID: 92166131002** Collected: 07/22/13 16:00 Received: 07/23/13 15:30 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							
2,4-Dichlorophenol	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	120-83-2	
Diethylphthalate	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	105-67-9	
Dimethylphthalate	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	131-11-3	
Di-n-butylphthalate	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	796	1	07/23/13 20:45	07/26/13 20:45	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1990	1	07/23/13 20:45	07/26/13 20:45	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	606-20-2	
Di-n-octylphthalate	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	117-81-7	
Fluoranthene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	206-44-0	
Fluorene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	87-68-3	
Hexachlorobenzene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	77-47-4	
Hexachloroethane	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	193-39-5	
Isophorone	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	78-59-1	
1-Methylnaphthalene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	90-12-0	
2-Methylnaphthalene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45		
Naphthalene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	91-20-3	
2-Nitroaniline	ND	ug/kg	1990	1	07/23/13 20:45	07/26/13 20:45	88-74-4	
3-Nitroaniline	ND	ug/kg	1990	1	07/23/13 20:45	07/26/13 20:45	99-09-2	
4-Nitroaniline	ND	ug/kg	796	1	07/23/13 20:45	07/26/13 20:45	100-01-6	
Nitrobenzene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	98-95-3	
2-Nitrophenol	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	88-75-5	
4-Nitrophenol	ND	ug/kg	1990	1	07/23/13 20:45	07/26/13 20:45	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	86-30-6	
Pentachlorophenol	ND	ug/kg	1990	1	07/23/13 20:45	07/26/13 20:45	87-86-5	
Phenanthrene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	85-01-8	
Phenol	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	108-95-2	
Pyrene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	398	1	07/23/13 20:45	07/26/13 20:45	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	52	%	23-110	1	07/23/13 20:45	07/26/13 20:45	4165-60-0	
2-Fluorobiphenyl (S)	55	%	30-110	1	07/23/13 20:45	07/26/13 20:45	321-60-8	
Terphenyl-d14 (S)	72	%	28-110	1	07/23/13 20:45	07/26/13 20:45	1718-51-0	
Phenol-d6 (S)	58	%	22-110	1	07/23/13 20:45	07/26/13 20:45	13127-88-3	
2-Fluorophenol (S)	59	%	13-110	1	07/23/13 20:45	07/26/13 20:45	367-12-4	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: WRB-1 **Lab ID: 92166131002** Collected: 07/22/13 16:00 Received: 07/23/13 15:30 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							
Surrogates								
2,4,6-Tribromophenol (S)	57	%	27-110	1	07/23/13 20:45	07/26/13 20:45	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	22100	200		08/05/13 19:32	67-64-1	
Benzene	ND	ug/kg	1100	200		08/05/13 19:32	71-43-2	
Bromobenzene	ND	ug/kg	1100	200		08/05/13 19:32	108-86-1	
Bromochloromethane	ND	ug/kg	1100	200		08/05/13 19:32	74-97-5	
Bromodichloromethane	ND	ug/kg	1100	200		08/05/13 19:32	75-27-4	
Bromoform	ND	ug/kg	1100	200		08/05/13 19:32	75-25-2	
Bromomethane	ND	ug/kg	2210	200		08/05/13 19:32	74-83-9	
2-Butanone (MEK)	ND	ug/kg	22100	200		08/05/13 19:32	78-93-3	
n-Butylbenzene	ND	ug/kg	1100	200		08/05/13 19:32	104-51-8	
sec-Butylbenzene	ND	ug/kg	1100	200		08/05/13 19:32	135-98-8	
tert-Butylbenzene	ND	ug/kg	1100	200		08/05/13 19:32	98-06-6	
Carbon tetrachloride	ND	ug/kg	1100	200		08/05/13 19:32	56-23-5	
Chlorobenzene	ND	ug/kg	1100	200		08/05/13 19:32	108-90-7	
Chloroethane	ND	ug/kg	2210	200		08/05/13 19:32	75-00-3	
Chloroform	ND	ug/kg	1100	200		08/05/13 19:32	67-66-3	
Chloromethane	ND	ug/kg	2210	200		08/05/13 19:32	74-87-3	
2-Chlorotoluene	ND	ug/kg	1100	200		08/05/13 19:32	95-49-8	
4-Chlorotoluene	ND	ug/kg	1100	200		08/05/13 19:32	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	1100	200		08/05/13 19:32	96-12-8	
Dibromochloromethane	ND	ug/kg	1100	200		08/05/13 19:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	1100	200		08/05/13 19:32	106-93-4	
Dibromomethane	ND	ug/kg	1100	200		08/05/13 19:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	1100	200		08/05/13 19:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	1100	200		08/05/13 19:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	1100	200		08/05/13 19:32	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	2210	200		08/05/13 19:32	75-71-8	D3,IO
1,1-Dichloroethane	ND	ug/kg	1100	200		08/05/13 19:32	75-34-3	
1,2-Dichloroethane	ND	ug/kg	1100	200		08/05/13 19:32	107-06-2	
1,1-Dichloroethene	ND	ug/kg	1100	200		08/05/13 19:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	1100	200		08/05/13 19:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	1100	200		08/05/13 19:32	156-60-5	
1,2-Dichloropropane	ND	ug/kg	1100	200		08/05/13 19:32	78-87-5	
1,3-Dichloropropane	ND	ug/kg	1100	200		08/05/13 19:32	142-28-9	
2,2-Dichloropropane	ND	ug/kg	1100	200		08/05/13 19:32	594-20-7	
1,1-Dichloropropene	ND	ug/kg	1100	200		08/05/13 19:32	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	1100	200		08/05/13 19:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	1100	200		08/05/13 19:32	10061-02-6	
Diisopropyl ether	ND	ug/kg	1100	200		08/05/13 19:32	108-20-3	
Ethylbenzene	**2460**	ug/kg	1100	200		08/05/13 19:32	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	1100	200		08/05/13 19:32	87-68-3	
2-Hexanone	ND	ug/kg	11000	200		08/05/13 19:32	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	1100	200		08/05/13 19:32	98-82-8	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: WRB-1 **Lab ID: 92166131002** Collected: 07/22/13 16:00 Received: 07/23/13 15:30 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							
p-Isopropyltoluene	ND	ug/kg	1100	200		08/05/13 19:32	99-87-6	
Methylene Chloride	ND	ug/kg	4410	200		08/05/13 19:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	11000	200		08/05/13 19:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	1100	200		08/05/13 19:32	1634-04-4	
Naphthalene	**2410**	ug/kg	1100	200		08/05/13 19:32	91-20-3	
n-Propylbenzene	ND	ug/kg	1100	200		08/05/13 19:32	103-65-1	
Styrene	ND	ug/kg	1100	200		08/05/13 19:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	1100	200		08/05/13 19:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	1100	200		08/05/13 19:32	79-34-5	
Tetrachloroethene	ND	ug/kg	1100	200		08/05/13 19:32	127-18-4	
Toluene	**3980**	ug/kg	1100	200		08/05/13 19:32	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	1100	200		08/05/13 19:32	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	1100	200		08/05/13 19:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	1100	200		08/05/13 19:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	1100	200		08/05/13 19:32	79-00-5	
Trichloroethene	ND	ug/kg	1100	200		08/05/13 19:32	79-01-6	
Trichlorofluoromethane	ND	ug/kg	1100	200		08/05/13 19:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	1100	200		08/05/13 19:32	96-18-4	
1,2,4-Trimethylbenzene	**6910**	ug/kg	1100	200		08/05/13 19:32	95-63-6	
1,3,5-Trimethylbenzene	**2570**	ug/kg	1100	200		08/05/13 19:32	108-67-8	
Vinyl acetate	ND	ug/kg	11000	200		08/05/13 19:32	108-05-4	
Vinyl chloride	ND	ug/kg	2210	200		08/05/13 19:32	75-01-4	
Xylene (Total)	**13200**	ug/kg	2210	200		08/05/13 19:32	1330-20-7	
m&p-Xylene	**9330**	ug/kg	2210	200		08/05/13 19:32	179601-23-1	
o-Xylene	**3900**	ug/kg	1100	200		08/05/13 19:32	95-47-6	
Surrogates								
Dibromofluoromethane (S)	67	%	70-130	200		08/05/13 19:32	1868-53-7	S2
Toluene-d8 (S)	96	%	70-130	200		08/05/13 19:32	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130	200		08/05/13 19:32	460-00-4	
1,2-Dichloroethane-d4 (S)	70	%	70-132	200		08/05/13 19:32	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**17.1**	%	0.10	1		07/24/13 14:27		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: WRB-2 **Lab ID: 92166131003** Collected: 07/22/13 16:20 Received: 07/23/13 15:30 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)	ND	mg/kg	11.9	1	07/23/13 22:30	07/26/13 18:44		N2
Aliphatic (C19-C36)	ND	mg/kg	11.9	1	07/23/13 22:30	07/26/13 18:44		N2
Aromatic (C11-C22)	ND	mg/kg	11.9	1	07/23/13 22:30	07/26/13 18:44		N2
Surrogates								
Nonatriacontane (S)	79	%	40-140	1	07/23/13 22:30	07/26/13 18:44	7194-86-7	
o-Terphenyl (S)	78	%	40-140	1	07/23/13 22:30	07/26/13 18:44	84-15-1	
2-Fluorobiphenyl (S)	94	%	40-140	1	07/23/13 22:30	07/26/13 18:44	321-60-8	
2-Bromonaphthalene (S)	109	%	40-140	1	07/23/13 22:30	07/26/13 18:44	580-13-2	
VPH NC Soil	Analytical Method: MADEP VPH Preparation Method: MADEP VPH							
Aliphatic (C05-C08)	ND	mg/kg	3.8	1	07/25/13 14:52	07/25/13 21:56		N2
Aliphatic (C09-C12)	ND	mg/kg	3.8	1	07/25/13 14:52	07/25/13 21:56		N2
Aromatic (C09-C10)	ND	mg/kg	3.8	1	07/25/13 14:52	07/25/13 21:56		N2
Surrogates								
4-Bromofluorobenzene (FID) (S)	98	%	70-130	1	07/25/13 14:52	07/25/13 21:56	460-00-4	
4-Bromofluorobenzene (PID) (S)	83	%	70-130	1	07/25/13 14:52	07/25/13 21:56	460-00-4	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	83-32-9	
Acenaphthylene	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	208-96-8	
Aniline	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	62-53-3	
Anthracene	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	120-12-7	
Benzo(a)anthracene	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	56-55-3	
Benzo(a)pyrene	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	207-08-9	
Benzoic Acid	ND	ug/kg	1960	1	07/23/13 20:45	07/26/13 21:18	65-85-0	
Benzyl alcohol	ND	ug/kg	785	1	07/23/13 20:45	07/26/13 21:18	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	101-55-3	
Butylbenzylphthalate	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	785	1	07/23/13 20:45	07/26/13 21:18	59-50-7	
4-Chloroaniline	ND	ug/kg	1960	1	07/23/13 20:45	07/26/13 21:18	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	108-60-1	
2-Chloronaphthalene	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	91-58-7	
2-Chlorophenol	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	7005-72-3	
Chrysene	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	53-70-3	
Dibenzofuran	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1960	1	07/23/13 20:45	07/26/13 21:18	91-94-1	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: WRB-2 **Lab ID: 92166131003** Collected: 07/22/13 16:20 Received: 07/23/13 15:30 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							
2,4-Dichlorophenol	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	120-83-2	
Diethylphthalate	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	105-67-9	
Dimethylphthalate	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	131-11-3	
Di-n-butylphthalate	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	785	1	07/23/13 20:45	07/26/13 21:18	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1960	1	07/23/13 20:45	07/26/13 21:18	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	606-20-2	
Di-n-octylphthalate	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	117-81-7	
Fluoranthene	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	206-44-0	
Fluorene	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	87-68-3	
Hexachlorobenzene	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	77-47-4	
Hexachloroethane	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	193-39-5	
Isophorone	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	78-59-1	
1-Methylnaphthalene	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	90-12-0	
2-Methylnaphthalene	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18		
Naphthalene	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	91-20-3	
2-Nitroaniline	ND	ug/kg	1960	1	07/23/13 20:45	07/26/13 21:18	88-74-4	
3-Nitroaniline	ND	ug/kg	1960	1	07/23/13 20:45	07/26/13 21:18	99-09-2	
4-Nitroaniline	ND	ug/kg	785	1	07/23/13 20:45	07/26/13 21:18	100-01-6	
Nitrobenzene	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	98-95-3	
2-Nitrophenol	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	88-75-5	
4-Nitrophenol	ND	ug/kg	1960	1	07/23/13 20:45	07/26/13 21:18	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	86-30-6	
Pentachlorophenol	ND	ug/kg	1960	1	07/23/13 20:45	07/26/13 21:18	87-86-5	
Phenanthrene	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	85-01-8	
Phenol	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	108-95-2	
Pyrene	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	393	1	07/23/13 20:45	07/26/13 21:18	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	28	%	23-110	1	07/23/13 20:45	07/26/13 21:18	4165-60-0	
2-Fluorobiphenyl (S)	31	%	30-110	1	07/23/13 20:45	07/26/13 21:18	321-60-8	
Terphenyl-d14 (S)	39	%	28-110	1	07/23/13 20:45	07/26/13 21:18	1718-51-0	
Phenol-d6 (S)	34	%	22-110	1	07/23/13 20:45	07/26/13 21:18	13127-88-3	
2-Fluorophenol (S)	34	%	13-110	1	07/23/13 20:45	07/26/13 21:18	367-12-4	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: WRB-2 **Lab ID: 92166131003** Collected: 07/22/13 16:20 Received: 07/23/13 15:30 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							
Surrogates								
2,4,6-Tribromophenol (S)	34	%	27-110	1	07/23/13 20:45	07/26/13 21:18	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	111	1		08/05/13 19:51	67-64-1	
Benzene	**58.4**	ug/kg	5.5	1		08/05/13 19:51	71-43-2	
Bromobenzene	ND	ug/kg	5.5	1		08/05/13 19:51	108-86-1	
Bromochloromethane	ND	ug/kg	5.5	1		08/05/13 19:51	74-97-5	
Bromodichloromethane	ND	ug/kg	5.5	1		08/05/13 19:51	75-27-4	
Bromoform	ND	ug/kg	5.5	1		08/05/13 19:51	75-25-2	
Bromomethane	ND	ug/kg	11.1	1		08/05/13 19:51	74-83-9	
2-Butanone (MEK)	ND	ug/kg	111	1		08/05/13 19:51	78-93-3	
n-Butylbenzene	ND	ug/kg	5.5	1		08/05/13 19:51	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.5	1		08/05/13 19:51	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.5	1		08/05/13 19:51	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.5	1		08/05/13 19:51	56-23-5	
Chlorobenzene	ND	ug/kg	5.5	1		08/05/13 19:51	108-90-7	
Chloroethane	ND	ug/kg	11.1	1		08/05/13 19:51	75-00-3	
Chloroform	ND	ug/kg	5.5	1		08/05/13 19:51	67-66-3	
Chloromethane	ND	ug/kg	11.1	1		08/05/13 19:51	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.5	1		08/05/13 19:51	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.5	1		08/05/13 19:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.5	1		08/05/13 19:51	96-12-8	
Dibromochloromethane	ND	ug/kg	5.5	1		08/05/13 19:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.5	1		08/05/13 19:51	106-93-4	
Dibromomethane	ND	ug/kg	5.5	1		08/05/13 19:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.5	1		08/05/13 19:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.5	1		08/05/13 19:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.5	1		08/05/13 19:51	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.1	1		08/05/13 19:51	75-71-8	IO
1,1-Dichloroethane	ND	ug/kg	5.5	1		08/05/13 19:51	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.5	1		08/05/13 19:51	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.5	1		08/05/13 19:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.5	1		08/05/13 19:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.5	1		08/05/13 19:51	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.5	1		08/05/13 19:51	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.5	1		08/05/13 19:51	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.5	1		08/05/13 19:51	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.5	1		08/05/13 19:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.5	1		08/05/13 19:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.5	1		08/05/13 19:51	10061-02-6	
Diisopropyl ether	**68.9**	ug/kg	5.5	1		08/05/13 19:51	108-20-3	
Ethylbenzene	**10.3**	ug/kg	5.5	1		08/05/13 19:51	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.5	1		08/05/13 19:51	87-68-3	
2-Hexanone	ND	ug/kg	55.5	1		08/05/13 19:51	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.5	1		08/05/13 19:51	98-82-8	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: WRB-2 **Lab ID: 92166131003** Collected: 07/22/13 16:20 Received: 07/23/13 15:30 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							
p-Isopropyltoluene	ND	ug/kg	5.5	1		08/05/13 19:51	99-87-6	
Methylene Chloride	ND	ug/kg	22.2	1		08/05/13 19:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	55.5	1		08/05/13 19:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.5	1		08/05/13 19:51	1634-04-4	
Naphthalene	**19.8**	ug/kg	5.5	1		08/05/13 19:51	91-20-3	
n-Propylbenzene	ND	ug/kg	5.5	1		08/05/13 19:51	103-65-1	
Styrene	ND	ug/kg	5.5	1		08/05/13 19:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.5	1		08/05/13 19:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.5	1		08/05/13 19:51	79-34-5	
Tetrachloroethene	ND	ug/kg	5.5	1		08/05/13 19:51	127-18-4	
Toluene	ND	ug/kg	5.5	1		08/05/13 19:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.5	1		08/05/13 19:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.5	1		08/05/13 19:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.5	1		08/05/13 19:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.5	1		08/05/13 19:51	79-00-5	
Trichloroethene	ND	ug/kg	5.5	1		08/05/13 19:51	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.5	1		08/05/13 19:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.5	1		08/05/13 19:51	96-18-4	
1,2,4-Trimethylbenzene	**23.0**	ug/kg	5.5	1		08/05/13 19:51	95-63-6	
1,3,5-Trimethylbenzene	**12.7**	ug/kg	5.5	1		08/05/13 19:51	108-67-8	
Vinyl acetate	ND	ug/kg	55.5	1		08/05/13 19:51	108-05-4	
Vinyl chloride	ND	ug/kg	11.1	1		08/05/13 19:51	75-01-4	
Xylene (Total)	ND	ug/kg	11.1	1		08/05/13 19:51	1330-20-7	
m&p-Xylene	ND	ug/kg	11.1	1		08/05/13 19:51	179601-23-1	
o-Xylene	ND	ug/kg	5.5	1		08/05/13 19:51	95-47-6	
Surrogates								
Dibromofluoromethane (S)	72	%	70-130	1		08/05/13 19:51	1868-53-7	
Toluene-d8 (S)	95	%	70-130	1		08/05/13 19:51	2037-26-5	
4-Bromofluorobenzene (S)	104	%	70-130	1		08/05/13 19:51	460-00-4	
1,2-Dichloroethane-d4 (S)	82	%	70-132	1		08/05/13 19:51	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**15.9**	%	0.10	1		07/24/13 14:27		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: WRB-3 **Lab ID: 92166131004** Collected: 07/22/13 16:50 Received: 07/23/13 15:30 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)	ND	mg/kg	12.2	1	07/23/13 22:30	07/26/13 19:17		N2
Aliphatic (C19-C36)	ND	mg/kg	12.2	1	07/23/13 22:30	07/26/13 19:17		N2
Aromatic (C11-C22)	ND	mg/kg	12.2	1	07/23/13 22:30	07/26/13 19:17		N2
Surrogates								
Nonatriacontane (S)	59	%	40-140	1	07/23/13 22:30	07/26/13 19:17	7194-86-7	
o-Terphenyl (S)	70	%	40-140	1	07/23/13 22:30	07/26/13 19:17	84-15-1	
2-Fluorobiphenyl (S)	89	%	40-140	1	07/23/13 22:30	07/26/13 19:17	321-60-8	
2-Bromonaphthalene (S)	105	%	40-140	1	07/23/13 22:30	07/26/13 19:17	580-13-2	
VPH NC Soil	Analytical Method: MADEP VPH Preparation Method: MADEP VPH							
Aliphatic (C05-C08)	ND	mg/kg	3.4	1	07/25/13 14:52	07/25/13 22:19		N2
Aliphatic (C09-C12)	ND	mg/kg	3.4	1	07/25/13 14:52	07/25/13 22:19		N2
Aromatic (C09-C10)	ND	mg/kg	3.4	1	07/25/13 14:52	07/25/13 22:19		N2
Surrogates								
4-Bromofluorobenzene (FID) (S)	100	%	70-130	1	07/25/13 14:52	07/25/13 22:19	460-00-4	
4-Bromofluorobenzene (PID) (S)	83	%	70-130	1	07/25/13 14:52	07/25/13 22:19	460-00-4	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	83-32-9	
Acenaphthylene	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	208-96-8	
Aniline	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	62-53-3	
Anthracene	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	120-12-7	
Benzo(a)anthracene	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	56-55-3	
Benzo(a)pyrene	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	207-08-9	
Benzoic Acid	ND	ug/kg	2010	1	07/23/13 20:45	07/30/13 11:36	65-85-0	
Benzyl alcohol	ND	ug/kg	804	1	07/23/13 20:45	07/30/13 11:36	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	101-55-3	
Butylbenzylphthalate	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	804	1	07/23/13 20:45	07/30/13 11:36	59-50-7	
4-Chloroaniline	ND	ug/kg	2010	1	07/23/13 20:45	07/30/13 11:36	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	108-60-1	
2-Chloronaphthalene	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	91-58-7	
2-Chlorophenol	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	7005-72-3	
Chrysene	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	53-70-3	
Dibenzofuran	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2010	1	07/23/13 20:45	07/30/13 11:36	91-94-1	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: WRB-3 **Lab ID: 92166131004** Collected: 07/22/13 16:50 Received: 07/23/13 15:30 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							
2,4-Dichlorophenol	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	120-83-2	
Diethylphthalate	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	105-67-9	
Dimethylphthalate	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	131-11-3	
Di-n-butylphthalate	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	804	1	07/23/13 20:45	07/30/13 11:36	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2010	1	07/23/13 20:45	07/30/13 11:36	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	606-20-2	
Di-n-octylphthalate	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	117-81-7	
Fluoranthene	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	206-44-0	
Fluorene	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	87-68-3	
Hexachlorobenzene	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	77-47-4	
Hexachloroethane	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	193-39-5	
Isophorone	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	78-59-1	
1-Methylnaphthalene	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	90-12-0	
2-Methylnaphthalene	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36		
Naphthalene	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	91-20-3	
2-Nitroaniline	ND	ug/kg	2010	1	07/23/13 20:45	07/30/13 11:36	88-74-4	
3-Nitroaniline	ND	ug/kg	2010	1	07/23/13 20:45	07/30/13 11:36	99-09-2	
4-Nitroaniline	ND	ug/kg	804	1	07/23/13 20:45	07/30/13 11:36	100-01-6	
Nitrobenzene	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	98-95-3	
2-Nitrophenol	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	88-75-5	
4-Nitrophenol	ND	ug/kg	2010	1	07/23/13 20:45	07/30/13 11:36	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	86-30-6	
Pentachlorophenol	ND	ug/kg	2010	1	07/23/13 20:45	07/30/13 11:36	87-86-5	
Phenanthrene	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	85-01-8	
Phenol	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	108-95-2	
Pyrene	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	402	1	07/23/13 20:45	07/30/13 11:36	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	60	%	23-110	1	07/23/13 20:45	07/30/13 11:36	4165-60-0	
2-Fluorobiphenyl (S)	63	%	30-110	1	07/23/13 20:45	07/30/13 11:36	321-60-8	
Terphenyl-d14 (S)	73	%	28-110	1	07/23/13 20:45	07/30/13 11:36	1718-51-0	
Phenol-d6 (S)	69	%	22-110	1	07/23/13 20:45	07/30/13 11:36	13127-88-3	
2-Fluorophenol (S)	70	%	13-110	1	07/23/13 20:45	07/30/13 11:36	367-12-4	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: WRB-3 **Lab ID: 92166131004** Collected: 07/22/13 16:50 Received: 07/23/13 15:30 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							
Surrogates								
2,4,6-Tribromophenol (S)	71	%	27-110	1	07/23/13 20:45	07/30/13 11:36	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	111	1		08/05/13 20:10	67-64-1	
Benzene	**11.8**	ug/kg	5.5	1		08/05/13 20:10	71-43-2	
Bromobenzene	ND	ug/kg	5.5	1		08/05/13 20:10	108-86-1	
Bromochloromethane	ND	ug/kg	5.5	1		08/05/13 20:10	74-97-5	
Bromodichloromethane	ND	ug/kg	5.5	1		08/05/13 20:10	75-27-4	
Bromoform	ND	ug/kg	5.5	1		08/05/13 20:10	75-25-2	
Bromomethane	ND	ug/kg	11.1	1		08/05/13 20:10	74-83-9	
2-Butanone (MEK)	ND	ug/kg	111	1		08/05/13 20:10	78-93-3	
n-Butylbenzene	ND	ug/kg	5.5	1		08/05/13 20:10	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.5	1		08/05/13 20:10	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.5	1		08/05/13 20:10	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.5	1		08/05/13 20:10	56-23-5	
Chlorobenzene	ND	ug/kg	5.5	1		08/05/13 20:10	108-90-7	
Chloroethane	ND	ug/kg	11.1	1		08/05/13 20:10	75-00-3	
Chloroform	ND	ug/kg	5.5	1		08/05/13 20:10	67-66-3	
Chloromethane	ND	ug/kg	11.1	1		08/05/13 20:10	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.5	1		08/05/13 20:10	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.5	1		08/05/13 20:10	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.5	1		08/05/13 20:10	96-12-8	
Dibromochloromethane	ND	ug/kg	5.5	1		08/05/13 20:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.5	1		08/05/13 20:10	106-93-4	
Dibromomethane	ND	ug/kg	5.5	1		08/05/13 20:10	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.5	1		08/05/13 20:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.5	1		08/05/13 20:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.5	1		08/05/13 20:10	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.1	1		08/05/13 20:10	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.5	1		08/05/13 20:10	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.5	1		08/05/13 20:10	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.5	1		08/05/13 20:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.5	1		08/05/13 20:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.5	1		08/05/13 20:10	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.5	1		08/05/13 20:10	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.5	1		08/05/13 20:10	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.5	1		08/05/13 20:10	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.5	1		08/05/13 20:10	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.5	1		08/05/13 20:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.5	1		08/05/13 20:10	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.5	1		08/05/13 20:10	108-20-3	
Ethylbenzene	**7.9**	ug/kg	5.5	1		08/05/13 20:10	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.5	1		08/05/13 20:10	87-68-3	
2-Hexanone	ND	ug/kg	55.3	1		08/05/13 20:10	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.5	1		08/05/13 20:10	98-82-8	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: WRB-3 **Lab ID: 92166131004** Collected: 07/22/13 16:50 Received: 07/23/13 15:30 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							
p-Isopropyltoluene	ND	ug/kg	5.5	1		08/05/13 20:10	99-87-6	
Methylene Chloride	ND	ug/kg	22.1	1		08/05/13 20:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	55.3	1		08/05/13 20:10	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.5	1		08/05/13 20:10	1634-04-4	
Naphthalene	**15.7**	ug/kg	5.5	1		08/05/13 20:10	91-20-3	
n-Propylbenzene	ND	ug/kg	5.5	1		08/05/13 20:10	103-65-1	
Styrene	ND	ug/kg	5.5	1		08/05/13 20:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.5	1		08/05/13 20:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.5	1		08/05/13 20:10	79-34-5	
Tetrachloroethene	ND	ug/kg	5.5	1		08/05/13 20:10	127-18-4	
Toluene	ND	ug/kg	5.5	1		08/05/13 20:10	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.5	1		08/05/13 20:10	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.5	1		08/05/13 20:10	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.5	1		08/05/13 20:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.5	1		08/05/13 20:10	79-00-5	
Trichloroethene	ND	ug/kg	5.5	1		08/05/13 20:10	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.5	1		08/05/13 20:10	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.5	1		08/05/13 20:10	96-18-4	
1,2,4-Trimethylbenzene	**14.2**	ug/kg	5.5	1		08/05/13 20:10	95-63-6	
1,3,5-Trimethylbenzene	**8.8**	ug/kg	5.5	1		08/05/13 20:10	108-67-8	
Vinyl acetate	ND	ug/kg	55.3	1		08/05/13 20:10	108-05-4	
Vinyl chloride	ND	ug/kg	11.1	1		08/05/13 20:10	75-01-4	
Xylene (Total)	ND	ug/kg	11.1	1		08/05/13 20:10	1330-20-7	
m&p-Xylene	ND	ug/kg	11.1	1		08/05/13 20:10	179601-23-1	
o-Xylene	ND	ug/kg	5.5	1		08/05/13 20:10	95-47-6	
Surrogates								
Dibromofluoromethane (S)	73	%	70-130	1		08/05/13 20:10	1868-53-7	
Toluene-d8 (S)	97	%	70-130	1		08/05/13 20:10	2037-26-5	
4-Bromofluorobenzene (S)	104	%	70-130	1		08/05/13 20:10	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-132	1		08/05/13 20:10	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**18.0**	%	0.10	1		07/24/13 14:27		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: WRB-4 **Lab ID: 92166131005** Collected: 07/22/13 16:55 Received: 07/23/13 15:30 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)	**393**	mg/kg	120	10	07/23/13 22:30	07/29/13 16:29		N2
Aliphatic (C19-C36)	ND	mg/kg	120	10	07/23/13 22:30	07/29/13 16:29		N2
Aromatic (C11-C22)	**153**	mg/kg	23.9	2	07/23/13 22:30	07/29/13 17:34		N2
Surrogates								
Nonatriacontane (S)	0	%	40-140	10	07/23/13 22:30	07/29/13 16:29	7194-86-7	S4
o-Terphenyl (S)	91	%	40-140	2	07/23/13 22:30	07/29/13 17:34	84-15-1	
2-Fluorobiphenyl (S)	139	%	40-140	2	07/23/13 22:30	07/29/13 17:34	321-60-8	
2-Bromonaphthalene (S)	163	%	40-140	2	07/23/13 22:30	07/29/13 17:34	580-13-2	S5
VPH NC Soil	Analytical Method: MADEP VPH Preparation Method: MADEP VPH							
Aliphatic (C05-C08)	**291**	mg/kg	32.7	10	07/30/13 13:31	07/30/13 17:06		N2
Aliphatic (C09-C12)	**1490**	mg/kg	32.7	10	07/30/13 13:31	07/30/13 17:06		N2,NC
Aromatic (C09-C10)	**604**	mg/kg	32.7	10	07/30/13 13:31	07/30/13 17:06		N2,NC
Surrogates								
4-Bromofluorobenzene (FID) (S)	116	%	70-130	10	07/30/13 13:31	07/30/13 17:06	460-00-4	
4-Bromofluorobenzene (PID) (S)	115	%	70-130	10	07/30/13 13:31	07/30/13 17:06	460-00-4	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	83-32-9	
Acenaphthylene	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	208-96-8	
Aniline	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	62-53-3	
Anthracene	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	120-12-7	
Benzo(a)anthracene	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	56-55-3	
Benzo(a)pyrene	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	207-08-9	
Benzoic Acid	ND	ug/kg	1970	1	07/23/13 20:45	07/29/13 21:47	65-85-0	
Benzyl alcohol	ND	ug/kg	790	1	07/23/13 20:45	07/29/13 21:47	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	101-55-3	
Butylbenzylphthalate	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	790	1	07/23/13 20:45	07/29/13 21:47	59-50-7	
4-Chloroaniline	ND	ug/kg	1970	1	07/23/13 20:45	07/29/13 21:47	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	108-60-1	
2-Chloronaphthalene	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	91-58-7	
2-Chlorophenol	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	7005-72-3	
Chrysene	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	53-70-3	
Dibenzofuran	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1970	1	07/23/13 20:45	07/29/13 21:47	91-94-1	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: WRB-4 **Lab ID: 92166131005** Collected: 07/22/13 16:55 Received: 07/23/13 15:30 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							
2,4-Dichlorophenol	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	120-83-2	
Diethylphthalate	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	105-67-9	
Dimethylphthalate	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	131-11-3	
Di-n-butylphthalate	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	790	1	07/23/13 20:45	07/29/13 21:47	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1970	1	07/23/13 20:45	07/29/13 21:47	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	606-20-2	
Di-n-octylphthalate	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	117-81-7	
Fluoranthene	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	206-44-0	
Fluorene	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	87-68-3	
Hexachlorobenzene	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	77-47-4	
Hexachloroethane	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	193-39-5	
Isophorone	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	78-59-1	
1-Methylnaphthalene	**4990**	ug/kg	3950	10	07/23/13 20:45	07/30/13 12:41	90-12-0	
2-Methylnaphthalene	**12800**	ug/kg	3950	10	07/23/13 20:45	07/30/13 12:41	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47		
Naphthalene	**15700**	ug/kg	3950	10	07/23/13 20:45	07/30/13 12:41	91-20-3	
2-Nitroaniline	ND	ug/kg	1970	1	07/23/13 20:45	07/29/13 21:47	88-74-4	
3-Nitroaniline	ND	ug/kg	1970	1	07/23/13 20:45	07/29/13 21:47	99-09-2	
4-Nitroaniline	ND	ug/kg	790	1	07/23/13 20:45	07/29/13 21:47	100-01-6	
Nitrobenzene	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	98-95-3	
2-Nitrophenol	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	88-75-5	
4-Nitrophenol	ND	ug/kg	1970	1	07/23/13 20:45	07/29/13 21:47	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	86-30-6	
Pentachlorophenol	ND	ug/kg	1970	1	07/23/13 20:45	07/29/13 21:47	87-86-5	
Phenanthrene	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	85-01-8	
Phenol	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	108-95-2	
Pyrene	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	395	1	07/23/13 20:45	07/29/13 21:47	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	73	%	23-110	1	07/23/13 20:45	07/29/13 21:47	4165-60-0	
2-Fluorobiphenyl (S)	60	%	30-110	1	07/23/13 20:45	07/29/13 21:47	321-60-8	
Terphenyl-d14 (S)	71	%	28-110	1	07/23/13 20:45	07/29/13 21:47	1718-51-0	
Phenol-d6 (S)	67	%	22-110	1	07/23/13 20:45	07/29/13 21:47	13127-88-3	
2-Fluorophenol (S)	68	%	13-110	1	07/23/13 20:45	07/29/13 21:47	367-12-4	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: WRB-4 **Lab ID: 92166131005** Collected: 07/22/13 16:55 Received: 07/23/13 15:30 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							
Surrogates								
2,4,6-Tribromophenol (S)	75	%	27-110	1	07/23/13 20:45	07/29/13 21:47	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	5190	50		08/05/13 20:29	67-64-1	
Benzene	**277**	ug/kg	259	50		08/05/13 20:29	71-43-2	
Bromobenzene	ND	ug/kg	259	50		08/05/13 20:29	108-86-1	
Bromochloromethane	ND	ug/kg	259	50		08/05/13 20:29	74-97-5	
Bromodichloromethane	ND	ug/kg	259	50		08/05/13 20:29	75-27-4	
Bromoform	ND	ug/kg	259	50		08/05/13 20:29	75-25-2	
Bromomethane	ND	ug/kg	519	50		08/05/13 20:29	74-83-9	
2-Butanone (MEK)	ND	ug/kg	5190	50		08/05/13 20:29	78-93-3	
n-Butylbenzene	**5180**	ug/kg	259	50		08/05/13 20:29	104-51-8	
sec-Butylbenzene	ND	ug/kg	259	50		08/05/13 20:29	135-98-8	
tert-Butylbenzene	ND	ug/kg	259	50		08/05/13 20:29	98-06-6	
Carbon tetrachloride	ND	ug/kg	259	50		08/05/13 20:29	56-23-5	
Chlorobenzene	ND	ug/kg	259	50		08/05/13 20:29	108-90-7	
Chloroethane	ND	ug/kg	519	50		08/05/13 20:29	75-00-3	
Chloroform	ND	ug/kg	259	50		08/05/13 20:29	67-66-3	
Chloromethane	ND	ug/kg	519	50		08/05/13 20:29	74-87-3	
2-Chlorotoluene	ND	ug/kg	259	50		08/05/13 20:29	95-49-8	
4-Chlorotoluene	ND	ug/kg	259	50		08/05/13 20:29	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	259	50		08/05/13 20:29	96-12-8	
Dibromochloromethane	ND	ug/kg	259	50		08/05/13 20:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	259	50		08/05/13 20:29	106-93-4	
Dibromomethane	ND	ug/kg	259	50		08/05/13 20:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	259	50		08/05/13 20:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	259	50		08/05/13 20:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	259	50		08/05/13 20:29	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	519	50		08/05/13 20:29	75-71-8	
1,1-Dichloroethane	ND	ug/kg	259	50		08/05/13 20:29	75-34-3	
1,2-Dichloroethane	ND	ug/kg	259	50		08/05/13 20:29	107-06-2	
1,1-Dichloroethene	ND	ug/kg	259	50		08/05/13 20:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	259	50		08/05/13 20:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	259	50		08/05/13 20:29	156-60-5	
1,2-Dichloropropane	ND	ug/kg	259	50		08/05/13 20:29	78-87-5	
1,3-Dichloropropane	ND	ug/kg	259	50		08/05/13 20:29	142-28-9	
2,2-Dichloropropane	ND	ug/kg	259	50		08/05/13 20:29	594-20-7	
1,1-Dichloropropene	ND	ug/kg	259	50		08/05/13 20:29	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	259	50		08/05/13 20:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	259	50		08/05/13 20:29	10061-02-6	
Diisopropyl ether	ND	ug/kg	259	50		08/05/13 20:29	108-20-3	
Ethylbenzene	**14500**	ug/kg	2590	500		08/06/13 21:03	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	259	50		08/05/13 20:29	87-68-3	
2-Hexanone	ND	ug/kg	2590	50		08/05/13 20:29	591-78-6	
Isopropylbenzene (Cumene)	**1970**	ug/kg	259	50		08/05/13 20:29	98-82-8	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: WRB-4 **Lab ID: 92166131005** Collected: 07/22/13 16:55 Received: 07/23/13 15:30 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							
p-Isopropyltoluene	**2730**	ug/kg	259	50		08/05/13 20:29	99-87-6	
Methylene Chloride	ND	ug/kg	1040	50		08/05/13 20:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	2590	50		08/05/13 20:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	259	50		08/05/13 20:29	1634-04-4	
Naphthalene	**24200**	ug/kg	2590	500		08/06/13 21:03	91-20-3	
n-Propylbenzene	**9720**	ug/kg	2590	500		08/06/13 21:03	103-65-1	
Styrene	**1800**	ug/kg	259	50		08/05/13 20:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	259	50		08/05/13 20:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	259	50		08/05/13 20:29	79-34-5	
Tetrachloroethene	ND	ug/kg	259	50		08/05/13 20:29	127-18-4	
Toluene	**13100**	ug/kg	2590	500		08/06/13 21:03	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	259	50		08/05/13 20:29	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	259	50		08/05/13 20:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	259	50		08/05/13 20:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	259	50		08/05/13 20:29	79-00-5	
Trichloroethene	ND	ug/kg	259	50		08/05/13 20:29	79-01-6	
Trichlorofluoromethane	ND	ug/kg	259	50		08/05/13 20:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	259	50		08/05/13 20:29	96-18-4	
1,2,4-Trimethylbenzene	**68900**	ug/kg	2590	500		08/06/13 21:03	95-63-6	
1,3,5-Trimethylbenzene	**24800**	ug/kg	2590	500		08/06/13 21:03	108-67-8	
Vinyl acetate	ND	ug/kg	2590	50		08/05/13 20:29	108-05-4	
Vinyl chloride	ND	ug/kg	519	50		08/05/13 20:29	75-01-4	
Xylene (Total)	**90000**	ug/kg	5190	500		08/06/13 21:03	1330-20-7	
m&p-Xylene	**61200**	ug/kg	5190	500		08/06/13 21:03	179601-23-1	
o-Xylene	**28800**	ug/kg	2590	500		08/06/13 21:03	95-47-6	
Surrogates								
Dibromofluoromethane (S)	65	%	70-130	50		08/05/13 20:29	1868-53-7	S2
Toluene-d8 (S)	91	%	70-130	50		08/05/13 20:29	2037-26-5	
4-Bromofluorobenzene (S)	105	%	70-130	50		08/05/13 20:29	460-00-4	
1,2-Dichloroethane-d4 (S)	77	%	70-132	50		08/05/13 20:29	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**16.4**	%	0.10	1		07/24/13 14:27		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: SRB-1 **Lab ID: 92166131006** Collected: 07/22/13 17:55 Received: 07/23/13 15:30 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)	ND	mg/kg	11.9	1	07/23/13 22:30	07/26/13 20:22		N2
Aliphatic (C19-C36)	ND	mg/kg	11.9	1	07/23/13 22:30	07/26/13 20:22		N2
Aromatic (C11-C22)	ND	mg/kg	11.9	1	07/23/13 22:30	07/26/13 20:22		N2
Surrogates								
Nonatriacontane (S)	55	%	40-140	1	07/23/13 22:30	07/26/13 20:22	7194-86-7	
o-Terphenyl (S)	81	%	40-140	1	07/23/13 22:30	07/26/13 20:22	84-15-1	
2-Fluorobiphenyl (S)	93	%	40-140	1	07/23/13 22:30	07/26/13 20:22	321-60-8	
2-Bromonaphthalene (S)	114	%	40-140	1	07/23/13 22:30	07/26/13 20:22	580-13-2	
VPH NC Soil	Analytical Method: MADEP VPH Preparation Method: MADEP VPH							
Aliphatic (C05-C08)	ND	mg/kg	3.1	1	07/25/13 14:52	07/25/13 22:42		N2
Aliphatic (C09-C12)	ND	mg/kg	3.1	1	07/25/13 14:52	07/25/13 22:42		N2
Aromatic (C09-C10)	ND	mg/kg	3.1	1	07/25/13 14:52	07/25/13 22:42		N2
Surrogates								
4-Bromofluorobenzene (FID) (S)	97	%	70-130	1	07/25/13 14:52	07/25/13 22:42	460-00-4	
4-Bromofluorobenzene (PID) (S)	81	%	70-130	1	07/25/13 14:52	07/25/13 22:42	460-00-4	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	83-32-9	
Acenaphthylene	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	208-96-8	
Aniline	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	62-53-3	
Anthracene	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	120-12-7	
Benzo(a)anthracene	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	56-55-3	
Benzo(a)pyrene	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	207-08-9	
Benzoic Acid	ND	ug/kg	19700	10	07/23/13 20:45	07/30/13 11:05	65-85-0	
Benzyl alcohol	ND	ug/kg	7860	10	07/23/13 20:45	07/30/13 11:05	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7860	10	07/23/13 20:45	07/30/13 11:05	59-50-7	
4-Chloroaniline	ND	ug/kg	19700	10	07/23/13 20:45	07/30/13 11:05	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	91-58-7	
2-Chlorophenol	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	7005-72-3	
Chrysene	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	53-70-3	
Dibenzofuran	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	19700	10	07/23/13 20:45	07/30/13 11:05	91-94-1	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: SRB-1 **Lab ID: 92166131006** Collected: 07/22/13 17:55 Received: 07/23/13 15:30 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							
2,4-Dichlorophenol	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	120-83-2	
Diethylphthalate	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	105-67-9	
Dimethylphthalate	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	7860	10	07/23/13 20:45	07/30/13 11:05	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	19700	10	07/23/13 20:45	07/30/13 11:05	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	117-81-7	
Fluoranthene	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	206-44-0	
Fluorene	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	87-68-3	
Hexachlorobenzene	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	77-47-4	
Hexachloroethane	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	193-39-5	
Isophorone	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	78-59-1	
1-Methylnaphthalene	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	90-12-0	
2-Methylnaphthalene	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05		
Naphthalene	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	91-20-3	
2-Nitroaniline	ND	ug/kg	19700	10	07/23/13 20:45	07/30/13 11:05	88-74-4	
3-Nitroaniline	ND	ug/kg	19700	10	07/23/13 20:45	07/30/13 11:05	99-09-2	
4-Nitroaniline	ND	ug/kg	7860	10	07/23/13 20:45	07/30/13 11:05	100-01-6	
Nitrobenzene	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	98-95-3	
2-Nitrophenol	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	88-75-5	
4-Nitrophenol	ND	ug/kg	19700	10	07/23/13 20:45	07/30/13 11:05	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	86-30-6	
Pentachlorophenol	ND	ug/kg	19700	10	07/23/13 20:45	07/30/13 11:05	87-86-5	
Phenanthrene	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	85-01-8	
Phenol	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	108-95-2	
Pyrene	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3930	10	07/23/13 20:45	07/30/13 11:05	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	0	%	23-110	10	07/23/13 20:45	07/30/13 11:05	4165-60-0	D3,S4
2-Fluorobiphenyl (S)	0	%	30-110	10	07/23/13 20:45	07/30/13 11:05	321-60-8	
Terphenyl-d14 (S)	0	%	28-110	10	07/23/13 20:45	07/30/13 11:05	1718-51-0	
Phenol-d6 (S)	0	%	22-110	10	07/23/13 20:45	07/30/13 11:05	13127-88-3	
2-Fluorophenol (S)	0	%	13-110	10	07/23/13 20:45	07/30/13 11:05	367-12-4	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: SRB-1 **Lab ID: 92166131006** Collected: 07/22/13 17:55 Received: 07/23/13 15:30 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							
Surrogates								
2,4,6-Tribromophenol (S)	0	%	27-110	10	07/23/13 20:45	07/30/13 11:05	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	104	1		08/04/13 19:47	67-64-1	
Benzene	ND	ug/kg	5.2	1		08/04/13 19:47	71-43-2	
Bromobenzene	ND	ug/kg	5.2	1		08/04/13 19:47	108-86-1	
Bromochloromethane	ND	ug/kg	5.2	1		08/04/13 19:47	74-97-5	
Bromodichloromethane	ND	ug/kg	5.2	1		08/04/13 19:47	75-27-4	
Bromoform	ND	ug/kg	5.2	1		08/04/13 19:47	75-25-2	
Bromomethane	ND	ug/kg	10.4	1		08/04/13 19:47	74-83-9	
2-Butanone (MEK)	ND	ug/kg	104	1		08/04/13 19:47	78-93-3	
n-Butylbenzene	ND	ug/kg	5.2	1		08/04/13 19:47	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.2	1		08/04/13 19:47	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.2	1		08/04/13 19:47	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.2	1		08/04/13 19:47	56-23-5	
Chlorobenzene	ND	ug/kg	5.2	1		08/04/13 19:47	108-90-7	
Chloroethane	ND	ug/kg	10.4	1		08/04/13 19:47	75-00-3	
Chloroform	ND	ug/kg	5.2	1		08/04/13 19:47	67-66-3	
Chloromethane	ND	ug/kg	10.4	1		08/04/13 19:47	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.2	1		08/04/13 19:47	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.2	1		08/04/13 19:47	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.2	1		08/04/13 19:47	96-12-8	
Dibromochloromethane	ND	ug/kg	5.2	1		08/04/13 19:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.2	1		08/04/13 19:47	106-93-4	
Dibromomethane	ND	ug/kg	5.2	1		08/04/13 19:47	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.2	1		08/04/13 19:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.2	1		08/04/13 19:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.2	1		08/04/13 19:47	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.4	1		08/04/13 19:47	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.2	1		08/04/13 19:47	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.2	1		08/04/13 19:47	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.2	1		08/04/13 19:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.2	1		08/04/13 19:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.2	1		08/04/13 19:47	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.2	1		08/04/13 19:47	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.2	1		08/04/13 19:47	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.2	1		08/04/13 19:47	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.2	1		08/04/13 19:47	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.2	1		08/04/13 19:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.2	1		08/04/13 19:47	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.2	1		08/04/13 19:47	108-20-3	
Ethylbenzene	ND	ug/kg	5.2	1		08/04/13 19:47	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.2	1		08/04/13 19:47	87-68-3	
2-Hexanone	ND	ug/kg	52.0	1		08/04/13 19:47	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.2	1		08/04/13 19:47	98-82-8	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: SRB-1 **Lab ID: 92166131006** Collected: 07/22/13 17:55 Received: 07/23/13 15:30 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							
p-Isopropyltoluene	ND	ug/kg	5.2	1		08/04/13 19:47	99-87-6	
Methylene Chloride	ND	ug/kg	20.8	1		08/04/13 19:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	52.0	1		08/04/13 19:47	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.2	1		08/04/13 19:47	1634-04-4	
Naphthalene	ND	ug/kg	5.2	1		08/04/13 19:47	91-20-3	
n-Propylbenzene	ND	ug/kg	5.2	1		08/04/13 19:47	103-65-1	
Styrene	ND	ug/kg	5.2	1		08/04/13 19:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.2	1		08/04/13 19:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.2	1		08/04/13 19:47	79-34-5	
Tetrachloroethene	ND	ug/kg	5.2	1		08/04/13 19:47	127-18-4	
Toluene	ND	ug/kg	5.2	1		08/04/13 19:47	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.2	1		08/04/13 19:47	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.2	1		08/04/13 19:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.2	1		08/04/13 19:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.2	1		08/04/13 19:47	79-00-5	
Trichloroethene	ND	ug/kg	5.2	1		08/04/13 19:47	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.2	1		08/04/13 19:47	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.2	1		08/04/13 19:47	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.2	1		08/04/13 19:47	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.2	1		08/04/13 19:47	108-67-8	
Vinyl acetate	ND	ug/kg	52.0	1		08/04/13 19:47	108-05-4	
Vinyl chloride	ND	ug/kg	10.4	1		08/04/13 19:47	75-01-4	
Xylene (Total)	ND	ug/kg	10.4	1		08/04/13 19:47	1330-20-7	
m&p-Xylene	ND	ug/kg	10.4	1		08/04/13 19:47	179601-23-1	
o-Xylene	ND	ug/kg	5.2	1		08/04/13 19:47	95-47-6	
Surrogates								
Dibromofluoromethane (S)	85	%	70-130	1		08/04/13 19:47	1868-53-7	
Toluene-d8 (S)	91	%	70-130	1		08/04/13 19:47	2037-26-5	
4-Bromofluorobenzene (S)	92	%	70-130	1		08/04/13 19:47	460-00-4	
1,2-Dichloroethane-d4 (S)	78	%	70-132	1		08/04/13 19:47	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**16.1**	%	0.10	1		07/24/13 14:27		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: ERB-1 **Lab ID: 92166131007** Collected: 07/22/13 18:15 Received: 07/23/13 15:30 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)	ND	mg/kg	12.4	1	07/23/13 22:30	07/26/13 20:55		N2
Aliphatic (C19-C36)	ND	mg/kg	12.4	1	07/23/13 22:30	07/26/13 20:55		N2
Aromatic (C11-C22)	ND	mg/kg	12.4	1	07/23/13 22:30	07/26/13 20:55		N2
Surrogates								
Nonatriacontane (S)	68	%	40-140	1	07/23/13 22:30	07/26/13 20:55	7194-86-7	
o-Terphenyl (S)	79	%	40-140	1	07/23/13 22:30	07/26/13 20:55	84-15-1	
2-Fluorobiphenyl (S)	98	%	40-140	1	07/23/13 22:30	07/26/13 20:55	321-60-8	
2-Bromonaphthalene (S)	117	%	40-140	1	07/23/13 22:30	07/26/13 20:55	580-13-2	
VPH NC Soil	Analytical Method: MADEP VPH Preparation Method: MADEP VPH							
Aliphatic (C05-C08)	**11.1**	mg/kg	3.7	1	07/25/13 14:52	07/25/13 23:05		N2
Aliphatic (C09-C12)	**8.7**	mg/kg	3.7	1	07/25/13 14:52	07/25/13 23:05		N2
Aromatic (C09-C10)	ND	mg/kg	3.7	1	07/25/13 14:52	07/25/13 23:05		N2
Surrogates								
4-Bromofluorobenzene (FID) (S)	104	%	70-130	1	07/25/13 14:52	07/25/13 23:05	460-00-4	
4-Bromofluorobenzene (PID) (S)	94	%	70-130	1	07/25/13 14:52	07/25/13 23:05	460-00-4	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	83-32-9	
Acenaphthylene	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	208-96-8	
Aniline	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	62-53-3	
Anthracene	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	120-12-7	
Benzo(a)anthracene	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	56-55-3	
Benzo(a)pyrene	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	207-08-9	
Benzoic Acid	ND	ug/kg	2040	1	07/23/13 20:45	07/29/13 22:19	65-85-0	
Benzyl alcohol	ND	ug/kg	815	1	07/23/13 20:45	07/29/13 22:19	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	101-55-3	
Butylbenzylphthalate	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	815	1	07/23/13 20:45	07/29/13 22:19	59-50-7	
4-Chloroaniline	ND	ug/kg	2040	1	07/23/13 20:45	07/29/13 22:19	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	108-60-1	
2-Chloronaphthalene	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	91-58-7	
2-Chlorophenol	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	7005-72-3	
Chrysene	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	53-70-3	
Dibenzofuran	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2040	1	07/23/13 20:45	07/29/13 22:19	91-94-1	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: ERB-1 **Lab ID: 92166131007** Collected: 07/22/13 18:15 Received: 07/23/13 15:30 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							
2,4-Dichlorophenol	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	120-83-2	
Diethylphthalate	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	105-67-9	
Dimethylphthalate	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	131-11-3	
Di-n-butylphthalate	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	815	1	07/23/13 20:45	07/29/13 22:19	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2040	1	07/23/13 20:45	07/29/13 22:19	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	606-20-2	
Di-n-octylphthalate	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	117-81-7	
Fluoranthene	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	206-44-0	
Fluorene	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	87-68-3	
Hexachlorobenzene	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	77-47-4	
Hexachloroethane	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	193-39-5	
Isophorone	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	78-59-1	
1-Methylnaphthalene	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	90-12-0	
2-Methylnaphthalene	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19		
Naphthalene	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	91-20-3	
2-Nitroaniline	ND	ug/kg	2040	1	07/23/13 20:45	07/29/13 22:19	88-74-4	
3-Nitroaniline	ND	ug/kg	2040	1	07/23/13 20:45	07/29/13 22:19	99-09-2	
4-Nitroaniline	ND	ug/kg	815	1	07/23/13 20:45	07/29/13 22:19	100-01-6	
Nitrobenzene	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	98-95-3	
2-Nitrophenol	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	88-75-5	
4-Nitrophenol	ND	ug/kg	2040	1	07/23/13 20:45	07/29/13 22:19	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	86-30-6	
Pentachlorophenol	ND	ug/kg	2040	1	07/23/13 20:45	07/29/13 22:19	87-86-5	
Phenanthrene	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	85-01-8	
Phenol	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	108-95-2	
Pyrene	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	408	1	07/23/13 20:45	07/29/13 22:19	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	59	%	23-110	1	07/23/13 20:45	07/29/13 22:19	4165-60-0	
2-Fluorobiphenyl (S)	64	%	30-110	1	07/23/13 20:45	07/29/13 22:19	321-60-8	
Terphenyl-d14 (S)	75	%	28-110	1	07/23/13 20:45	07/29/13 22:19	1718-51-0	
Phenol-d6 (S)	72	%	22-110	1	07/23/13 20:45	07/29/13 22:19	13127-88-3	
2-Fluorophenol (S)	68	%	13-110	1	07/23/13 20:45	07/29/13 22:19	367-12-4	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: ERB-1 **Lab ID: 92166131007** Collected: 07/22/13 18:15 Received: 07/23/13 15:30 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							
Surrogates								
2,4,6-Tribromophenol (S)	72	%	27-110	1	07/23/13 20:45	07/29/13 22:19	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	126	1		08/04/13 20:06	67-64-1	
Benzene	**13.7**	ug/kg	6.3	1		08/04/13 20:06	71-43-2	
Bromobenzene	ND	ug/kg	6.3	1		08/04/13 20:06	108-86-1	
Bromochloromethane	ND	ug/kg	6.3	1		08/04/13 20:06	74-97-5	
Bromodichloromethane	ND	ug/kg	6.3	1		08/04/13 20:06	75-27-4	
Bromoform	ND	ug/kg	6.3	1		08/04/13 20:06	75-25-2	
Bromomethane	ND	ug/kg	12.6	1		08/04/13 20:06	74-83-9	
2-Butanone (MEK)	ND	ug/kg	126	1		08/04/13 20:06	78-93-3	
n-Butylbenzene	**26.1**	ug/kg	6.3	1		08/04/13 20:06	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.3	1		08/04/13 20:06	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.3	1		08/04/13 20:06	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.3	1		08/04/13 20:06	56-23-5	
Chlorobenzene	ND	ug/kg	6.3	1		08/04/13 20:06	108-90-7	
Chloroethane	ND	ug/kg	12.6	1		08/04/13 20:06	75-00-3	
Chloroform	ND	ug/kg	6.3	1		08/04/13 20:06	67-66-3	
Chloromethane	ND	ug/kg	12.6	1		08/04/13 20:06	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.3	1		08/04/13 20:06	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.3	1		08/04/13 20:06	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.3	1		08/04/13 20:06	96-12-8	
Dibromochloromethane	ND	ug/kg	6.3	1		08/04/13 20:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.3	1		08/04/13 20:06	106-93-4	
Dibromomethane	ND	ug/kg	6.3	1		08/04/13 20:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.3	1		08/04/13 20:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.3	1		08/04/13 20:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.3	1		08/04/13 20:06	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.6	1		08/04/13 20:06	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.3	1		08/04/13 20:06	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.3	1		08/04/13 20:06	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.3	1		08/04/13 20:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.3	1		08/04/13 20:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.3	1		08/04/13 20:06	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.3	1		08/04/13 20:06	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.3	1		08/04/13 20:06	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.3	1		08/04/13 20:06	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.3	1		08/04/13 20:06	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.3	1		08/04/13 20:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.3	1		08/04/13 20:06	10061-02-6	
Diisopropyl ether	**6.5**	ug/kg	6.3	1		08/04/13 20:06	108-20-3	
Ethylbenzene	**71.8**	ug/kg	6.3	1		08/04/13 20:06	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.3	1		08/04/13 20:06	87-68-3	
2-Hexanone	ND	ug/kg	63.2	1		08/04/13 20:06	591-78-6	
Isopropylbenzene (Cumene)	**18.1**	ug/kg	6.3	1		08/04/13 20:06	98-82-8	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: ERB-1 **Lab ID: 92166131007** Collected: 07/22/13 18:15 Received: 07/23/13 15:30 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							
p-Isopropyltoluene	**18.8**	ug/kg	6.3	1		08/04/13 20:06	99-87-6	
Methylene Chloride	ND	ug/kg	25.3	1		08/04/13 20:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	63.2	1		08/04/13 20:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.3	1		08/04/13 20:06	1634-04-4	
Naphthalene	**23.5**	ug/kg	6.3	1		08/04/13 20:06	91-20-3	
n-Propylbenzene	**51.3**	ug/kg	6.3	1		08/04/13 20:06	103-65-1	
Styrene	ND	ug/kg	6.3	1		08/04/13 20:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.3	1		08/04/13 20:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.3	1		08/04/13 20:06	79-34-5	
Tetrachloroethene	ND	ug/kg	6.3	1		08/04/13 20:06	127-18-4	
Toluene	**49.1**	ug/kg	6.3	1		08/04/13 20:06	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.3	1		08/04/13 20:06	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.3	1		08/04/13 20:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.3	1		08/04/13 20:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.3	1		08/04/13 20:06	79-00-5	
Trichloroethene	ND	ug/kg	6.3	1		08/04/13 20:06	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.3	1		08/04/13 20:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.3	1		08/04/13 20:06	96-18-4	
1,2,4-Trimethylbenzene	**187**	ug/kg	6.3	1		08/04/13 20:06	95-63-6	
1,3,5-Trimethylbenzene	**91.0**	ug/kg	6.3	1		08/04/13 20:06	108-67-8	
Vinyl acetate	ND	ug/kg	63.2	1		08/04/13 20:06	108-05-4	
Vinyl chloride	ND	ug/kg	12.6	1		08/04/13 20:06	75-01-4	
Xylene (Total)	**302**	ug/kg	12.6	1		08/04/13 20:06	1330-20-7	
m&p-Xylene	**215**	ug/kg	12.6	1		08/04/13 20:06	179601-23-1	
o-Xylene	**86.9**	ug/kg	6.3	1		08/04/13 20:06	95-47-6	
Surrogates								
Dibromofluoromethane (S)	82	%	70-130	1		08/04/13 20:06	1868-53-7	
Toluene-d8 (S)	78	%	70-130	1		08/04/13 20:06	2037-26-5	
4-Bromofluorobenzene (S)	92	%	70-130	1		08/04/13 20:06	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-132	1		08/04/13 20:06	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**19.1**	%	0.10	1		07/24/13 14:27		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: ERB-2 **Lab ID: 92166131008** Collected: 07/22/13 18:25 Received: 07/23/13 15:30 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)	ND	mg/kg	12.1	1	07/23/13 22:30	07/26/13 21:27		N2
Aliphatic (C19-C36)	ND	mg/kg	12.1	1	07/23/13 22:30	07/26/13 21:27		N2
Aromatic (C11-C22)	ND	mg/kg	12.1	1	07/23/13 22:30	07/26/13 21:27		N2
Surrogates								
Nonatriacontane (S)	70	%	40-140	1	07/23/13 22:30	07/26/13 21:27	7194-86-7	
o-Terphenyl (S)	94	%	40-140	1	07/23/13 22:30	07/26/13 21:27	84-15-1	
2-Fluorobiphenyl (S)	102	%	40-140	1	07/23/13 22:30	07/26/13 21:27	321-60-8	
2-Bromonaphthalene (S)	120	%	40-140	1	07/23/13 22:30	07/26/13 21:27	580-13-2	
VPH NC Soil	Analytical Method: MADEP VPH Preparation Method: MADEP VPH							
Aliphatic (C05-C08)	ND	mg/kg	3.7	1	07/25/13 14:52	07/25/13 23:29		N2
Aliphatic (C09-C12)	ND	mg/kg	3.7	1	07/25/13 14:52	07/25/13 23:29		N2
Aromatic (C09-C10)	ND	mg/kg	3.7	1	07/25/13 14:52	07/25/13 23:29		N2
Surrogates								
4-Bromofluorobenzene (FID) (S)	102	%	70-130	1	07/25/13 14:52	07/25/13 23:29	460-00-4	
4-Bromofluorobenzene (PID) (S)	84	%	70-130	1	07/25/13 14:52	07/25/13 23:29	460-00-4	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	83-32-9	
Acenaphthylene	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	208-96-8	
Aniline	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	62-53-3	
Anthracene	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	120-12-7	
Benzo(a)anthracene	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	56-55-3	
Benzo(a)pyrene	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	207-08-9	
Benzoic Acid	ND	ug/kg	1990	1	07/23/13 20:45	07/29/13 22:51	65-85-0	
Benzyl alcohol	ND	ug/kg	795	1	07/23/13 20:45	07/29/13 22:51	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	101-55-3	
Butylbenzylphthalate	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	795	1	07/23/13 20:45	07/29/13 22:51	59-50-7	
4-Chloroaniline	ND	ug/kg	1990	1	07/23/13 20:45	07/29/13 22:51	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	108-60-1	
2-Chloronaphthalene	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	91-58-7	
2-Chlorophenol	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	7005-72-3	
Chrysene	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	53-70-3	
Dibenzofuran	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1990	1	07/23/13 20:45	07/29/13 22:51	91-94-1	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: ERB-2 **Lab ID: 92166131008** Collected: 07/22/13 18:25 Received: 07/23/13 15:30 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							
2,4-Dichlorophenol	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	120-83-2	
Diethylphthalate	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	105-67-9	
Dimethylphthalate	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	131-11-3	
Di-n-butylphthalate	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	795	1	07/23/13 20:45	07/29/13 22:51	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1990	1	07/23/13 20:45	07/29/13 22:51	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	606-20-2	
Di-n-octylphthalate	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	117-81-7	
Fluoranthene	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	206-44-0	
Fluorene	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	87-68-3	
Hexachlorobenzene	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	77-47-4	
Hexachloroethane	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	193-39-5	
Isophorone	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	78-59-1	
1-Methylnaphthalene	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	90-12-0	
2-Methylnaphthalene	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51		
Naphthalene	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	91-20-3	
2-Nitroaniline	ND	ug/kg	1990	1	07/23/13 20:45	07/29/13 22:51	88-74-4	
3-Nitroaniline	ND	ug/kg	1990	1	07/23/13 20:45	07/29/13 22:51	99-09-2	
4-Nitroaniline	ND	ug/kg	795	1	07/23/13 20:45	07/29/13 22:51	100-01-6	
Nitrobenzene	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	98-95-3	
2-Nitrophenol	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	88-75-5	
4-Nitrophenol	ND	ug/kg	1990	1	07/23/13 20:45	07/29/13 22:51	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	86-30-6	
Pentachlorophenol	ND	ug/kg	1990	1	07/23/13 20:45	07/29/13 22:51	87-86-5	
Phenanthrene	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	85-01-8	
Phenol	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	108-95-2	
Pyrene	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	398	1	07/23/13 20:45	07/29/13 22:51	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	55	%	23-110	1	07/23/13 20:45	07/29/13 22:51	4165-60-0	
2-Fluorobiphenyl (S)	60	%	30-110	1	07/23/13 20:45	07/29/13 22:51	321-60-8	
Terphenyl-d14 (S)	74	%	28-110	1	07/23/13 20:45	07/29/13 22:51	1718-51-0	
Phenol-d6 (S)	66	%	22-110	1	07/23/13 20:45	07/29/13 22:51	13127-88-3	
2-Fluorophenol (S)	62	%	13-110	1	07/23/13 20:45	07/29/13 22:51	367-12-4	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: ERB-2 **Lab ID: 92166131008** Collected: 07/22/13 18:25 Received: 07/23/13 15:30 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							
Surrogates								
2,4,6-Tribromophenol (S)	68	%	27-110	1	07/23/13 20:45	07/29/13 22:51	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	119	1		08/04/13 20:25	67-64-1	
Benzene	**6.2**	ug/kg	6.0	1		08/04/13 20:25	71-43-2	
Bromobenzene	ND	ug/kg	6.0	1		08/04/13 20:25	108-86-1	
Bromochloromethane	ND	ug/kg	6.0	1		08/04/13 20:25	74-97-5	
Bromodichloromethane	ND	ug/kg	6.0	1		08/04/13 20:25	75-27-4	
Bromoform	ND	ug/kg	6.0	1		08/04/13 20:25	75-25-2	
Bromomethane	ND	ug/kg	11.9	1		08/04/13 20:25	74-83-9	
2-Butanone (MEK)	ND	ug/kg	119	1		08/04/13 20:25	78-93-3	
n-Butylbenzene	ND	ug/kg	6.0	1		08/04/13 20:25	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.0	1		08/04/13 20:25	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.0	1		08/04/13 20:25	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.0	1		08/04/13 20:25	56-23-5	
Chlorobenzene	ND	ug/kg	6.0	1		08/04/13 20:25	108-90-7	
Chloroethane	ND	ug/kg	11.9	1		08/04/13 20:25	75-00-3	
Chloroform	ND	ug/kg	6.0	1		08/04/13 20:25	67-66-3	
Chloromethane	ND	ug/kg	11.9	1		08/04/13 20:25	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.0	1		08/04/13 20:25	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.0	1		08/04/13 20:25	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.0	1		08/04/13 20:25	96-12-8	
Dibromochloromethane	ND	ug/kg	6.0	1		08/04/13 20:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.0	1		08/04/13 20:25	106-93-4	
Dibromomethane	ND	ug/kg	6.0	1		08/04/13 20:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.0	1		08/04/13 20:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.0	1		08/04/13 20:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.0	1		08/04/13 20:25	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.9	1		08/04/13 20:25	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.0	1		08/04/13 20:25	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.0	1		08/04/13 20:25	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.0	1		08/04/13 20:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.0	1		08/04/13 20:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.0	1		08/04/13 20:25	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.0	1		08/04/13 20:25	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.0	1		08/04/13 20:25	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.0	1		08/04/13 20:25	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.0	1		08/04/13 20:25	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.0	1		08/04/13 20:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.0	1		08/04/13 20:25	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.0	1		08/04/13 20:25	108-20-3	
Ethylbenzene	ND	ug/kg	6.0	1		08/04/13 20:25	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.0	1		08/04/13 20:25	87-68-3	
2-Hexanone	ND	ug/kg	59.5	1		08/04/13 20:25	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.0	1		08/04/13 20:25	98-82-8	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: ERB-2 **Lab ID: 92166131008** Collected: 07/22/13 18:25 Received: 07/23/13 15:30 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							
p-Isopropyltoluene	ND	ug/kg	6.0	1		08/04/13 20:25	99-87-6	
Methylene Chloride	ND	ug/kg	23.8	1		08/04/13 20:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	59.5	1		08/04/13 20:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.0	1		08/04/13 20:25	1634-04-4	
Naphthalene	**6.5**	ug/kg	6.0	1		08/04/13 20:25	91-20-3	
n-Propylbenzene	ND	ug/kg	6.0	1		08/04/13 20:25	103-65-1	
Styrene	ND	ug/kg	6.0	1		08/04/13 20:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.0	1		08/04/13 20:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.0	1		08/04/13 20:25	79-34-5	
Tetrachloroethene	ND	ug/kg	6.0	1		08/04/13 20:25	127-18-4	
Toluene	ND	ug/kg	6.0	1		08/04/13 20:25	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.0	1		08/04/13 20:25	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.0	1		08/04/13 20:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.0	1		08/04/13 20:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.0	1		08/04/13 20:25	79-00-5	
Trichloroethene	ND	ug/kg	6.0	1		08/04/13 20:25	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.0	1		08/04/13 20:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.0	1		08/04/13 20:25	96-18-4	
1,2,4-Trimethylbenzene	**6.6**	ug/kg	6.0	1		08/04/13 20:25	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.0	1		08/04/13 20:25	108-67-8	
Vinyl acetate	ND	ug/kg	59.5	1		08/04/13 20:25	108-05-4	
Vinyl chloride	ND	ug/kg	11.9	1		08/04/13 20:25	75-01-4	
Xylene (Total)	ND	ug/kg	11.9	1		08/04/13 20:25	1330-20-7	
m&p-Xylene	ND	ug/kg	11.9	1		08/04/13 20:25	179601-23-1	
o-Xylene	ND	ug/kg	6.0	1		08/04/13 20:25	95-47-6	
Surrogates								
Dibromofluoromethane (S)	82	%	70-130	1		08/04/13 20:25	1868-53-7	
Toluene-d8 (S)	92	%	70-130	1		08/04/13 20:25	2037-26-5	
4-Bromofluorobenzene (S)	92	%	70-130	1		08/04/13 20:25	460-00-4	
1,2-Dichloroethane-d4 (S)	77	%	70-132	1		08/04/13 20:25	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**17.0**	%	0.10	1		07/24/13 14:27		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: ERB-3 **Lab ID: 92166131009** Collected: 07/22/13 18:35 Received: 07/23/13 15:30 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)	ND	mg/kg	12.0	1	07/23/13 22:30	07/26/13 22:00		N2
Aliphatic (C19-C36)	ND	mg/kg	12.0	1	07/23/13 22:30	07/26/13 22:00		N2
Aromatic (C11-C22)	ND	mg/kg	12.0	1	07/23/13 22:30	07/26/13 22:00		N2
Surrogates								
Nonatriacontane (S)	81	%	40-140	1	07/23/13 22:30	07/26/13 22:00	7194-86-7	
o-Terphenyl (S)	74	%	40-140	1	07/23/13 22:30	07/26/13 22:00	84-15-1	
2-Fluorobiphenyl (S)	94	%	40-140	1	07/23/13 22:30	07/26/13 22:00	321-60-8	
2-Bromonaphthalene (S)	111	%	40-140	1	07/23/13 22:30	07/26/13 22:00	580-13-2	
VPH NC Soil	Analytical Method: MADEP VPH Preparation Method: MADEP VPH							
Aliphatic (C05-C08)	ND	mg/kg	3.9	1	07/25/13 14:52	07/25/13 23:52		N2
Aliphatic (C09-C12)	ND	mg/kg	3.9	1	07/25/13 14:52	07/25/13 23:52		N2
Aromatic (C09-C10)	ND	mg/kg	3.9	1	07/25/13 14:52	07/25/13 23:52		N2
Surrogates								
4-Bromofluorobenzene (FID) (S)	99	%	70-130	1	07/25/13 14:52	07/25/13 23:52	460-00-4	
4-Bromofluorobenzene (PID) (S)	81	%	70-130	1	07/25/13 14:52	07/25/13 23:52	460-00-4	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	83-32-9	
Acenaphthylene	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	208-96-8	
Aniline	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	62-53-3	
Anthracene	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	120-12-7	
Benzo(a)anthracene	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	56-55-3	
Benzo(a)pyrene	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	207-08-9	
Benzoic Acid	ND	ug/kg	1980	1	07/23/13 20:45	07/29/13 23:23	65-85-0	
Benzyl alcohol	ND	ug/kg	792	1	07/23/13 20:45	07/29/13 23:23	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	101-55-3	
Butylbenzylphthalate	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	792	1	07/23/13 20:45	07/29/13 23:23	59-50-7	
4-Chloroaniline	ND	ug/kg	1980	1	07/23/13 20:45	07/29/13 23:23	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	108-60-1	
2-Chloronaphthalene	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	91-58-7	
2-Chlorophenol	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	7005-72-3	
Chrysene	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	53-70-3	
Dibenzofuran	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1980	1	07/23/13 20:45	07/29/13 23:23	91-94-1	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: ERB-3 **Lab ID: 92166131009** Collected: 07/22/13 18:35 Received: 07/23/13 15:30 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							
2,4-Dichlorophenol	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	120-83-2	
Diethylphthalate	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	105-67-9	
Dimethylphthalate	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	131-11-3	
Di-n-butylphthalate	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	792	1	07/23/13 20:45	07/29/13 23:23	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1980	1	07/23/13 20:45	07/29/13 23:23	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	606-20-2	
Di-n-octylphthalate	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	117-81-7	
Fluoranthene	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	206-44-0	
Fluorene	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	87-68-3	
Hexachlorobenzene	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	77-47-4	
Hexachloroethane	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	193-39-5	
Isophorone	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	78-59-1	
1-Methylnaphthalene	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	90-12-0	
2-Methylnaphthalene	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23		
Naphthalene	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	91-20-3	
2-Nitroaniline	ND	ug/kg	1980	1	07/23/13 20:45	07/29/13 23:23	88-74-4	
3-Nitroaniline	ND	ug/kg	1980	1	07/23/13 20:45	07/29/13 23:23	99-09-2	
4-Nitroaniline	ND	ug/kg	792	1	07/23/13 20:45	07/29/13 23:23	100-01-6	
Nitrobenzene	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	98-95-3	
2-Nitrophenol	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	88-75-5	
4-Nitrophenol	ND	ug/kg	1980	1	07/23/13 20:45	07/29/13 23:23	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	86-30-6	
Pentachlorophenol	ND	ug/kg	1980	1	07/23/13 20:45	07/29/13 23:23	87-86-5	
Phenanthrene	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	85-01-8	
Phenol	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	108-95-2	
Pyrene	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	396	1	07/23/13 20:45	07/29/13 23:23	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	58	%	23-110	1	07/23/13 20:45	07/29/13 23:23	4165-60-0	
2-Fluorobiphenyl (S)	62	%	30-110	1	07/23/13 20:45	07/29/13 23:23	321-60-8	
Terphenyl-d14 (S)	74	%	28-110	1	07/23/13 20:45	07/29/13 23:23	1718-51-0	
Phenol-d6 (S)	68	%	22-110	1	07/23/13 20:45	07/29/13 23:23	13127-88-3	
2-Fluorophenol (S)	68	%	13-110	1	07/23/13 20:45	07/29/13 23:23	367-12-4	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: ERB-3 **Lab ID: 92166131009** Collected: 07/22/13 18:35 Received: 07/23/13 15:30 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							
Surrogates								
2,4,6-Tribromophenol (S)	66	%	27-110	1	07/23/13 20:45	07/29/13 23:23	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	118	1		08/04/13 20:44	67-64-1	
Benzene	ND	ug/kg	5.9	1		08/04/13 20:44	71-43-2	
Bromobenzene	ND	ug/kg	5.9	1		08/04/13 20:44	108-86-1	
Bromochloromethane	ND	ug/kg	5.9	1		08/04/13 20:44	74-97-5	
Bromodichloromethane	ND	ug/kg	5.9	1		08/04/13 20:44	75-27-4	
Bromoform	ND	ug/kg	5.9	1		08/04/13 20:44	75-25-2	
Bromomethane	ND	ug/kg	11.8	1		08/04/13 20:44	74-83-9	
2-Butanone (MEK)	ND	ug/kg	118	1		08/04/13 20:44	78-93-3	
n-Butylbenzene	ND	ug/kg	5.9	1		08/04/13 20:44	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.9	1		08/04/13 20:44	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.9	1		08/04/13 20:44	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.9	1		08/04/13 20:44	56-23-5	
Chlorobenzene	ND	ug/kg	5.9	1		08/04/13 20:44	108-90-7	
Chloroethane	ND	ug/kg	11.8	1		08/04/13 20:44	75-00-3	
Chloroform	ND	ug/kg	5.9	1		08/04/13 20:44	67-66-3	
Chloromethane	ND	ug/kg	11.8	1		08/04/13 20:44	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.9	1		08/04/13 20:44	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.9	1		08/04/13 20:44	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.9	1		08/04/13 20:44	96-12-8	
Dibromochloromethane	ND	ug/kg	5.9	1		08/04/13 20:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.9	1		08/04/13 20:44	106-93-4	
Dibromomethane	ND	ug/kg	5.9	1		08/04/13 20:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.9	1		08/04/13 20:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.9	1		08/04/13 20:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.9	1		08/04/13 20:44	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.8	1		08/04/13 20:44	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.9	1		08/04/13 20:44	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.9	1		08/04/13 20:44	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.9	1		08/04/13 20:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.9	1		08/04/13 20:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.9	1		08/04/13 20:44	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.9	1		08/04/13 20:44	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.9	1		08/04/13 20:44	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.9	1		08/04/13 20:44	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.9	1		08/04/13 20:44	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.9	1		08/04/13 20:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.9	1		08/04/13 20:44	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.9	1		08/04/13 20:44	108-20-3	
Ethylbenzene	ND	ug/kg	5.9	1		08/04/13 20:44	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.9	1		08/04/13 20:44	87-68-3	
2-Hexanone	ND	ug/kg	58.8	1		08/04/13 20:44	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.9	1		08/04/13 20:44	98-82-8	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: ERB-3 **Lab ID: 92166131009** Collected: 07/22/13 18:35 Received: 07/23/13 15:30 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							
p-Isopropyltoluene	ND	ug/kg	5.9	1		08/04/13 20:44	99-87-6	
Methylene Chloride	ND	ug/kg	23.5	1		08/04/13 20:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	58.8	1		08/04/13 20:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.9	1		08/04/13 20:44	1634-04-4	
Naphthalene	ND	ug/kg	5.9	1		08/04/13 20:44	91-20-3	
n-Propylbenzene	ND	ug/kg	5.9	1		08/04/13 20:44	103-65-1	
Styrene	ND	ug/kg	5.9	1		08/04/13 20:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.9	1		08/04/13 20:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.9	1		08/04/13 20:44	79-34-5	
Tetrachloroethene	ND	ug/kg	5.9	1		08/04/13 20:44	127-18-4	
Toluene	ND	ug/kg	5.9	1		08/04/13 20:44	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.9	1		08/04/13 20:44	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.9	1		08/04/13 20:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.9	1		08/04/13 20:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.9	1		08/04/13 20:44	79-00-5	
Trichloroethene	ND	ug/kg	5.9	1		08/04/13 20:44	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.9	1		08/04/13 20:44	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.9	1		08/04/13 20:44	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.9	1		08/04/13 20:44	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.9	1		08/04/13 20:44	108-67-8	
Vinyl acetate	ND	ug/kg	58.8	1		08/04/13 20:44	108-05-4	
Vinyl chloride	ND	ug/kg	11.8	1		08/04/13 20:44	75-01-4	
Xylene (Total)	ND	ug/kg	11.8	1		08/04/13 20:44	1330-20-7	
m&p-Xylene	ND	ug/kg	11.8	1		08/04/13 20:44	179601-23-1	
o-Xylene	ND	ug/kg	5.9	1		08/04/13 20:44	95-47-6	
Surrogates								
Dibromofluoromethane (S)	83	%	70-130	1		08/04/13 20:44	1868-53-7	
Toluene-d8 (S)	92	%	70-130	1		08/04/13 20:44	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130	1		08/04/13 20:44	460-00-4	
1,2-Dichloroethane-d4 (S)	79	%	70-132	1		08/04/13 20:44	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**16.7**	%	0.10	1		07/25/13 08:23		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: ERB-4 **Lab ID: 92166131010** Collected: 07/22/13 18:45 Received: 07/23/13 15:30 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)	ND	mg/kg	11.8	1	07/23/13 22:30	07/26/13 22:32		N2
Aliphatic (C19-C36)	ND	mg/kg	11.8	1	07/23/13 22:30	07/26/13 22:32		N2
Aromatic (C11-C22)	ND	mg/kg	11.8	1	07/23/13 22:30	07/26/13 22:32		N2
Surrogates								
Nonatriacontane (S)	75	%	40-140	1	07/23/13 22:30	07/26/13 22:32	7194-86-7	
o-Terphenyl (S)	81	%	40-140	1	07/23/13 22:30	07/26/13 22:32	84-15-1	
2-Fluorobiphenyl (S)	102	%	40-140	1	07/23/13 22:30	07/26/13 22:32	321-60-8	
2-Bromonaphthalene (S)	121	%	40-140	1	07/23/13 22:30	07/26/13 22:32	580-13-2	
VPH NC Soil	Analytical Method: MADEP VPH Preparation Method: MADEP VPH							
Aliphatic (C05-C08)	ND	mg/kg	3.3	1	07/25/13 14:52	07/26/13 00:15		N2
Aliphatic (C09-C12)	ND	mg/kg	3.3	1	07/25/13 14:52	07/26/13 00:15		N2
Aromatic (C09-C10)	ND	mg/kg	3.3	1	07/25/13 14:52	07/26/13 00:15		N2
Surrogates								
4-Bromofluorobenzene (FID) (S)	98	%	70-130	1	07/25/13 14:52	07/26/13 00:15	460-00-4	
4-Bromofluorobenzene (PID) (S)	80	%	70-130	1	07/25/13 14:52	07/26/13 00:15	460-00-4	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	83-32-9	
Acenaphthylene	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	208-96-8	
Aniline	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	62-53-3	
Anthracene	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	120-12-7	
Benzo(a)anthracene	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	56-55-3	
Benzo(a)pyrene	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	207-08-9	
Benzoic Acid	ND	ug/kg	1940	1	07/23/13 20:45	07/29/13 23:56	65-85-0	
Benzyl alcohol	ND	ug/kg	776	1	07/23/13 20:45	07/29/13 23:56	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	101-55-3	
Butylbenzylphthalate	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	776	1	07/23/13 20:45	07/29/13 23:56	59-50-7	
4-Chloroaniline	ND	ug/kg	1940	1	07/23/13 20:45	07/29/13 23:56	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	108-60-1	
2-Chloronaphthalene	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	91-58-7	
2-Chlorophenol	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	7005-72-3	
Chrysene	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	53-70-3	
Dibenzofuran	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1940	1	07/23/13 20:45	07/29/13 23:56	91-94-1	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: ERB-4 **Lab ID: 92166131010** Collected: 07/22/13 18:45 Received: 07/23/13 15:30 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							
2,4-Dichlorophenol	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	120-83-2	
Diethylphthalate	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	105-67-9	
Dimethylphthalate	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	131-11-3	
Di-n-butylphthalate	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	776	1	07/23/13 20:45	07/29/13 23:56	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1940	1	07/23/13 20:45	07/29/13 23:56	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	606-20-2	
Di-n-octylphthalate	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	117-81-7	
Fluoranthene	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	206-44-0	
Fluorene	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	87-68-3	
Hexachlorobenzene	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	77-47-4	
Hexachloroethane	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	193-39-5	
Isophorone	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	78-59-1	
1-Methylnaphthalene	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	90-12-0	
2-Methylnaphthalene	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56		
Naphthalene	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	91-20-3	
2-Nitroaniline	ND	ug/kg	1940	1	07/23/13 20:45	07/29/13 23:56	88-74-4	
3-Nitroaniline	ND	ug/kg	1940	1	07/23/13 20:45	07/29/13 23:56	99-09-2	
4-Nitroaniline	ND	ug/kg	776	1	07/23/13 20:45	07/29/13 23:56	100-01-6	
Nitrobenzene	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	98-95-3	
2-Nitrophenol	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	88-75-5	
4-Nitrophenol	ND	ug/kg	1940	1	07/23/13 20:45	07/29/13 23:56	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	86-30-6	
Pentachlorophenol	ND	ug/kg	1940	1	07/23/13 20:45	07/29/13 23:56	87-86-5	
Phenanthrene	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	85-01-8	
Phenol	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	108-95-2	
Pyrene	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	388	1	07/23/13 20:45	07/29/13 23:56	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	52	%	23-110	1	07/23/13 20:45	07/29/13 23:56	4165-60-0	
2-Fluorobiphenyl (S)	57	%	30-110	1	07/23/13 20:45	07/29/13 23:56	321-60-8	
Terphenyl-d14 (S)	75	%	28-110	1	07/23/13 20:45	07/29/13 23:56	1718-51-0	
Phenol-d6 (S)	64	%	22-110	1	07/23/13 20:45	07/29/13 23:56	13127-88-3	
2-Fluorophenol (S)	60	%	13-110	1	07/23/13 20:45	07/29/13 23:56	367-12-4	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: ERB-4 **Lab ID: 92166131010** Collected: 07/22/13 18:45 Received: 07/23/13 15:30 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							
Surrogates								
2,4,6-Tribromophenol (S)	63	%	27-110	1	07/23/13 20:45	07/29/13 23:56	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	114	1		08/04/13 21:03	67-64-1	
Benzene	ND	ug/kg	5.7	1		08/04/13 21:03	71-43-2	
Bromobenzene	ND	ug/kg	5.7	1		08/04/13 21:03	108-86-1	
Bromochloromethane	ND	ug/kg	5.7	1		08/04/13 21:03	74-97-5	
Bromodichloromethane	ND	ug/kg	5.7	1		08/04/13 21:03	75-27-4	
Bromoform	ND	ug/kg	5.7	1		08/04/13 21:03	75-25-2	
Bromomethane	ND	ug/kg	11.4	1		08/04/13 21:03	74-83-9	
2-Butanone (MEK)	ND	ug/kg	114	1		08/04/13 21:03	78-93-3	
n-Butylbenzene	ND	ug/kg	5.7	1		08/04/13 21:03	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.7	1		08/04/13 21:03	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.7	1		08/04/13 21:03	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.7	1		08/04/13 21:03	56-23-5	
Chlorobenzene	ND	ug/kg	5.7	1		08/04/13 21:03	108-90-7	
Chloroethane	ND	ug/kg	11.4	1		08/04/13 21:03	75-00-3	
Chloroform	ND	ug/kg	5.7	1		08/04/13 21:03	67-66-3	
Chloromethane	ND	ug/kg	11.4	1		08/04/13 21:03	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.7	1		08/04/13 21:03	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.7	1		08/04/13 21:03	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.7	1		08/04/13 21:03	96-12-8	
Dibromochloromethane	ND	ug/kg	5.7	1		08/04/13 21:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.7	1		08/04/13 21:03	106-93-4	
Dibromomethane	ND	ug/kg	5.7	1		08/04/13 21:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.7	1		08/04/13 21:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.7	1		08/04/13 21:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.7	1		08/04/13 21:03	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.4	1		08/04/13 21:03	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.7	1		08/04/13 21:03	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.7	1		08/04/13 21:03	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.7	1		08/04/13 21:03	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.7	1		08/04/13 21:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.7	1		08/04/13 21:03	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.7	1		08/04/13 21:03	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.7	1		08/04/13 21:03	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.7	1		08/04/13 21:03	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.7	1		08/04/13 21:03	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.7	1		08/04/13 21:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.7	1		08/04/13 21:03	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.7	1		08/04/13 21:03	108-20-3	
Ethylbenzene	ND	ug/kg	5.7	1		08/04/13 21:03	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.7	1		08/04/13 21:03	87-68-3	
2-Hexanone	ND	ug/kg	56.9	1		08/04/13 21:03	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.7	1		08/04/13 21:03	98-82-8	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: ERB-4 **Lab ID: 92166131010** Collected: 07/22/13 18:45 Received: 07/23/13 15:30 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							
p-Isopropyltoluene	ND	ug/kg	5.7	1		08/04/13 21:03	99-87-6	
Methylene Chloride	ND	ug/kg	22.8	1		08/04/13 21:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	56.9	1		08/04/13 21:03	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.7	1		08/04/13 21:03	1634-04-4	
Naphthalene	ND	ug/kg	5.7	1		08/04/13 21:03	91-20-3	
n-Propylbenzene	ND	ug/kg	5.7	1		08/04/13 21:03	103-65-1	
Styrene	ND	ug/kg	5.7	1		08/04/13 21:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.7	1		08/04/13 21:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.7	1		08/04/13 21:03	79-34-5	
Tetrachloroethene	ND	ug/kg	5.7	1		08/04/13 21:03	127-18-4	
Toluene	ND	ug/kg	5.7	1		08/04/13 21:03	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.7	1		08/04/13 21:03	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.7	1		08/04/13 21:03	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.7	1		08/04/13 21:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.7	1		08/04/13 21:03	79-00-5	
Trichloroethene	ND	ug/kg	5.7	1		08/04/13 21:03	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.7	1		08/04/13 21:03	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.7	1		08/04/13 21:03	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.7	1		08/04/13 21:03	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.7	1		08/04/13 21:03	108-67-8	
Vinyl acetate	ND	ug/kg	56.9	1		08/04/13 21:03	108-05-4	
Vinyl chloride	ND	ug/kg	11.4	1		08/04/13 21:03	75-01-4	
Xylene (Total)	ND	ug/kg	11.4	1		08/04/13 21:03	1330-20-7	
m&p-Xylene	ND	ug/kg	11.4	1		08/04/13 21:03	179601-23-1	
o-Xylene	ND	ug/kg	5.7	1		08/04/13 21:03	95-47-6	
Surrogates								
Dibromofluoromethane (S)	83	%	70-130	1		08/04/13 21:03	1868-53-7	
Toluene-d8 (S)	91	%	70-130	1		08/04/13 21:03	2037-26-5	
4-Bromofluorobenzene (S)	88	%	70-130	1		08/04/13 21:03	460-00-4	
1,2-Dichloroethane-d4 (S)	73	%	70-132	1		08/04/13 21:03	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**14.9**	%	0.10	1		07/25/13 08:23		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: DS-3 **Lab ID: 92166131011** Collected: 07/22/13 13:30 Received: 07/23/13 15:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified		Preparation Method: EPA 3546					
Diesel Components	**57.0**	mg/kg	5.9	1	07/23/13 19:20	07/24/13 21:26	68334-30-5	
Surrogates								
n-Pentacosane (S)	80	%	41-119	1	07/23/13 19:20	07/24/13 21:26	629-99-2	
Gasoline Range Organics	Analytical Method: EPA 8015 Modified		Preparation Method: EPA 5035A/5030B					
Gasoline Range Organics	**242**	mg/kg	5.8	1	07/26/13 14:33	07/27/13 03:56	8006-61-9	
Surrogates								
4-Bromofluorobenzene (S)	145	%	70-167	1	07/26/13 14:33	07/27/13 03:56	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**14.6**	%	0.10	1		07/25/13 08:23		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: DS-4 **Lab ID: 92166131012** Collected: 07/22/13 16:30 Received: 07/23/13 15:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified		Preparation Method: EPA 3546					
Diesel Components	**150**	mg/kg	5.9	1	07/23/13 19:20	07/24/13 21:50	68334-30-5	
Surrogates								
n-Pentacosane (S)	79	%	41-119	1	07/23/13 19:20	07/24/13 21:50	629-99-2	
Gasoline Range Organics	Analytical Method: EPA 8015 Modified		Preparation Method: EPA 5035A/5030B					
Gasoline Range Organics	**228**	mg/kg	6.1	1	07/26/13 14:33	07/27/13 04:19	8006-61-9	
Surrogates								
4-Bromofluorobenzene (S)	150	%	70-167	1	07/26/13 14:33	07/27/13 04:19	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**15.1**	%	0.10	1		07/25/13 08:24		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

QC Batch: GCV/7129
Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 5035A/5030B
Analysis Description: Gasoline Range Organics
Associated Lab Samples: 92166131011, 92166131012

METHOD BLANK: 1017818
Matrix: Solid
Associated Lab Samples: 92166131011, 92166131012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	5.9	07/26/13 21:05	
4-Bromofluorobenzene (S)	%	81	70-167	07/26/13 21:05	

LABORATORY CONTROL SAMPLE: 1017819

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	49.5	50.3	102	70-165	
4-Bromofluorobenzene (S)	%			86	70-167	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1017820 1017821

Parameter	Units	92166030001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Gasoline Range Organics	mg/kg	ND	37.4	37.4	40.7	40.0	107	105	47-187	2	
4-Bromofluorobenzene (S)	%						79	79	70-167		

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

Pace Analytical
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

QC Batch: GCV/7123 — Analysis Method: MADEP VPH
QC Batch Method: MADEP VPH — Analysis Description: VPH NC Soil
Associated Lab Samples: 92166131002, 92166131003, 92166131004, 92166131006, 92166131007, 92166131008, 92166131009, 92166131010

METHOD BLANK: 1017050 — Matrix: Solid
Associated Lab Samples: 92166131002, 92166131003, 92166131004, 92166131006, 92166131007, 92166131008, 92166131009, 92166131010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aliphatic (C05-C08)	mg/kg	ND	2.5	07/25/13 20:24	N2
Aliphatic (C09-C12)	mg/kg	ND	2.5	07/25/13 20:24	N2
Aromatic (C09-C10)	mg/kg	ND	2.5	07/25/13 20:24	N2
4-Bromofluorobenzene (FID) (S)	%	94	70-130	07/25/13 20:24	
4-Bromofluorobenzene (PID) (S)	%	79	70-130	07/25/13 20:24	

LABORATORY CONTROL SAMPLE & LCSD: 1017051 1017052

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	mg/kg	14.9	13.2	12.6	88	84	70-130	5	25	N2
Aliphatic (C09-C12)	mg/kg	14.9	14.1	13.7	94	92	30-130	3	25	N2
Aromatic (C09-C10)	mg/kg	5	3.9	3.8	79	77	70-130	2	25	N2
4-Bromofluorobenzene (FID) (S)	%				86	82	70-130			
4-Bromofluorobenzene (PID) (S)	%				81	80	70-130			

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

QC Batch: GCV/7134
QC Batch Method: MADEP VPH
Analysis Method: MADEP VPH
Analysis Description: VPH NC Soil
Associated Lab Samples: 92166131001

METHOD BLANK: 1018767
Matrix: Solid
Associated Lab Samples: 92166131001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aliphatic (C05-C08)	mg/kg	ND	2.5	07/29/13 19:02	N2
Aliphatic (C09-C12)	mg/kg	ND	2.5	07/29/13 19:02	N2
Aromatic (C09-C10)	mg/kg	ND	2.5	07/29/13 19:02	N2
4-Bromofluorobenzene (FID) (S)	%	99	70-130	07/29/13 19:02	
4-Bromofluorobenzene (PID) (S)	%	85	70-130	07/29/13 19:02	

LABORATORY CONTROL SAMPLE & LCSD: 1018768 1018769

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	mg/kg	14.9	13.2	12.7	89	85	70-130	4	25	N2
Aliphatic (C09-C12)	mg/kg	14.9	14.2	13.8	96	93	30-130	3	25	N2
Aromatic (C09-C10)	mg/kg	5	4.0	3.8	80	77	70-130	4	25	N2
4-Bromofluorobenzene (FID) (S)	%				82	80	70-130			
4-Bromofluorobenzene (PID) (S)	%				81	78	70-130			

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

QC Batch: GCV/7142
QC Batch Method: MADEP VPH
Analysis Method: MADEP VPH
Analysis Description: VPH NC Soil
Associated Lab Samples: 92166131005

METHOD BLANK: 1019198
Matrix: Solid
Associated Lab Samples: 92166131005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aliphatic (C05-C08)	mg/kg	ND	2.5	07/30/13 15:57	N2
Aliphatic (C09-C12)	mg/kg	ND	2.5	07/30/13 15:57	N2
Aromatic (C09-C10)	mg/kg	ND	2.5	07/30/13 15:57	N2
4-Bromofluorobenzene (FID) (S)	%	104	70-130	07/30/13 15:57	
4-Bromofluorobenzene (PID) (S)	%	100	70-130	07/30/13 15:57	

LABORATORY CONTROL SAMPLE & LCSD: 1019199 1019200

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	mg/kg	14.9	12.7	12.5	85	83	70-130	2	25	N2
Aliphatic (C09-C12)	mg/kg	14.9	14.0	13.9	94	93	30-130	1	25	N2
Aromatic (C09-C10)	mg/kg	5	4.3	4.3	87	86	70-130	1	25	N2
4-Bromofluorobenzene (FID) (S)	%				86	84	70-130			
4-Bromofluorobenzene (PID) (S)	%				90	90	70-130			

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

QC Batch: MSV/23833 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92166131006, 92166131007, 92166131008, 92166131009, 92166131010

METHOD BLANK: 1022436 Matrix: Solid
Associated Lab Samples: 92166131006, 92166131007, 92166131008, 92166131009, 92166131010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.2	08/04/13 12:32	
1,1,1-Trichloroethane	ug/kg	ND	5.2	08/04/13 12:32	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.2	08/04/13 12:32	
1,1,2-Trichloroethane	ug/kg	ND	5.2	08/04/13 12:32	
1,1-Dichloroethane	ug/kg	ND	5.2	08/04/13 12:32	
1,1-Dichloroethene	ug/kg	ND	5.2	08/04/13 12:32	
1,1-Dichloropropene	ug/kg	ND	5.2	08/04/13 12:32	
1,2,3-Trichlorobenzene	ug/kg	ND	5.2	08/04/13 12:32	
1,2,3-Trichloropropane	ug/kg	ND	5.2	08/04/13 12:32	
1,2,4-Trichlorobenzene	ug/kg	ND	5.2	08/04/13 12:32	
1,2,4-Trimethylbenzene	ug/kg	ND	5.2	08/04/13 12:32	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.2	08/04/13 12:32	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.2	08/04/13 12:32	
1,2-Dichlorobenzene	ug/kg	ND	5.2	08/04/13 12:32	
1,2-Dichloroethane	ug/kg	ND	5.2	08/04/13 12:32	
1,2-Dichloropropane	ug/kg	ND	5.2	08/04/13 12:32	
1,3,5-Trimethylbenzene	ug/kg	ND	5.2	08/04/13 12:32	
1,3-Dichlorobenzene	ug/kg	ND	5.2	08/04/13 12:32	
1,3-Dichloropropane	ug/kg	ND	5.2	08/04/13 12:32	
1,4-Dichlorobenzene	ug/kg	ND	5.2	08/04/13 12:32	
2,2-Dichloropropane	ug/kg	ND	5.2	08/04/13 12:32	
2-Butanone (MEK)	ug/kg	ND	104	08/04/13 12:32	
2-Chlorotoluene	ug/kg	ND	5.2	08/04/13 12:32	
2-Hexanone	ug/kg	ND	51.8	08/04/13 12:32	
4-Chlorotoluene	ug/kg	ND	5.2	08/04/13 12:32	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	51.8	08/04/13 12:32	
Acetone	ug/kg	ND	104	08/04/13 12:32	
Benzene	ug/kg	ND	5.2	08/04/13 12:32	
Bromobenzene	ug/kg	ND	5.2	08/04/13 12:32	
Bromochloromethane	ug/kg	ND	5.2	08/04/13 12:32	
Bromodichloromethane	ug/kg	ND	5.2	08/04/13 12:32	
Bromoform	ug/kg	ND	5.2	08/04/13 12:32	
Bromomethane	ug/kg	ND	10.4	08/04/13 12:32	
Carbon tetrachloride	ug/kg	ND	5.2	08/04/13 12:32	
Chlorobenzene	ug/kg	ND	5.2	08/04/13 12:32	
Chloroethane	ug/kg	ND	10.4	08/04/13 12:32	
Chloroform	ug/kg	ND	5.2	08/04/13 12:32	
Chloromethane	ug/kg	ND	10.4	08/04/13 12:32	
cis-1,2-Dichloroethene	ug/kg	ND	5.2	08/04/13 12:32	
cis-1,3-Dichloropropene	ug/kg	ND	5.2	08/04/13 12:32	
Dibromochloromethane	ug/kg	ND	5.2	08/04/13 12:32	
Dibromomethane	ug/kg	ND	5.2	08/04/13 12:32	
Dichlorodifluoromethane	ug/kg	ND	10.4	08/04/13 12:32	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

METHOD BLANK: 1022436 Matrix: Solid

Associated Lab Samples: 92166131006, 92166131007, 92166131008, 92166131009, 92166131010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	ND	5.2	08/04/13 12:32	
Ethylbenzene	ug/kg	ND	5.2	08/04/13 12:32	
Hexachloro-1,3-butadiene	ug/kg	ND	5.2	08/04/13 12:32	
Isopropylbenzene (Cumene)	ug/kg	ND	5.2	08/04/13 12:32	
m&p-Xylene	ug/kg	ND	10.4	08/04/13 12:32	
Methyl-tert-butyl ether	ug/kg	ND	5.2	08/04/13 12:32	
Methylene Chloride	ug/kg	ND	20.7	08/04/13 12:32	
n-Butylbenzene	ug/kg	ND	5.2	08/04/13 12:32	
n-Propylbenzene	ug/kg	ND	5.2	08/04/13 12:32	
Naphthalene	ug/kg	ND	5.2	08/04/13 12:32	
o-Xylene	ug/kg	ND	5.2	08/04/13 12:32	
p-Isopropyltoluene	ug/kg	ND	5.2	08/04/13 12:32	
sec-Butylbenzene	ug/kg	ND	5.2	08/04/13 12:32	
Styrene	ug/kg	ND	5.2	08/04/13 12:32	
tert-Butylbenzene	ug/kg	ND	5.2	08/04/13 12:32	
Tetrachloroethene	ug/kg	ND	5.2	08/04/13 12:32	
Toluene	ug/kg	ND	5.2	08/04/13 12:32	
trans-1,2-Dichloroethene	ug/kg	ND	5.2	08/04/13 12:32	
trans-1,3-Dichloropropene	ug/kg	ND	5.2	08/04/13 12:32	
Trichloroethene	ug/kg	ND	5.2	08/04/13 12:32	
Trichlorofluoromethane	ug/kg	ND	5.2	08/04/13 12:32	
Vinyl acetate	ug/kg	ND	51.8	08/04/13 12:32	
Vinyl chloride	ug/kg	ND	10.4	08/04/13 12:32	
Xylene (Total)	ug/kg	ND	10.4	08/04/13 12:32	
1,2-Dichloroethane-d4 (S)	%	85	70-132	08/04/13 12:32	
4-Bromofluorobenzene (S)	%	90	70-130	08/04/13 12:32	
Dibromofluoromethane (S)	%	97	70-130	08/04/13 12:32	
Toluene-d8 (S)	%	97	70-130	08/04/13 12:32	

LABORATORY CONTROL SAMPLE: 1022437

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50.1	65.2	130	70-131	
1,1,1-Trichloroethane	ug/kg	50.1	62.5	125	70-141	
1,1,2,2-Tetrachloroethane	ug/kg	50.1	76.5	153	70-130	L3
1,1,2-Trichloroethane	ug/kg	50.1	65.5	131	70-132	
1,1-Dichloroethane	ug/kg	50.1	55.0	110	70-143	
1,1-Dichloroethene	ug/kg	50.1	56.9	113	70-137	
1,1-Dichloropropene	ug/kg	50.1	49.1	98	70-135	
1,2,3-Trichlorobenzene	ug/kg	50.1	59.6	119	69-153	
1,2,3-Trichloropropane	ug/kg	50.1	69.6	139	70-130	L3
1,2,4-Trichlorobenzene	ug/kg	50.1	58.6	117	55-171	
1,2,4-Trimethylbenzene	ug/kg	50.1	57.0	114	70-149	
1,2-Dibromo-3-chloropropane	ug/kg	50.1	56.8	113	68-141	
1,2-Dibromoethane (EDB)	ug/kg	50.1	57.4	115	70-130	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

LABORATORY CONTROL SAMPLE: 1022437

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	50.1	70.8	141	70-140	L3
1,2-Dichloroethane	ug/kg	50.1	56.9	114	70-137	
1,2-Dichloropropane	ug/kg	50.1	45.9	92	70-133	
1,3,5-Trimethylbenzene	ug/kg	50.1	56.6	113	70-143	
1,3-Dichlorobenzene	ug/kg	50.1	66.2	132	70-144	
1,3-Dichloropropane	ug/kg	50.1	54.8	109	70-132	
1,4-Dichlorobenzene	ug/kg	50.1	67.8	135	70-142	
2,2-Dichloropropane	ug/kg	50.1	54.6	109	68-152	
2-Butanone (MEK)	ug/kg	100	110	109	70-149	
2-Chlorotoluene	ug/kg	50.1	62.1	124	70-141	
2-Hexanone	ug/kg	100	108	108	70-149	
4-Chlorotoluene	ug/kg	50.1	64.2	128	70-149	
4-Methyl-2-pentanone (MIBK)	ug/kg	100	107	107	70-153	
Acetone	ug/kg	100	113	113	70-157	
Benzene	ug/kg	50.1	58.7	117	70-130	
Bromobenzene	ug/kg	50.1	60.5	121	70-141	
Bromochloromethane	ug/kg	50.1	62.9	126	70-149	
Bromodichloromethane	ug/kg	50.1	57.5	115	70-130	
Bromoform	ug/kg	50.1	71.8	143	70-131	L3
Bromomethane	ug/kg	50.1	77.1	154	64-136	L3
Carbon tetrachloride	ug/kg	50.1	61.8	123	70-154	
Chlorobenzene	ug/kg	50.1	62.6	125	70-135	
Chloroethane	ug/kg	50.1	72.6	145	68-151	
Chloroform	ug/kg	50.1	63.0	126	70-130	
Chloromethane	ug/kg	50.1	55.0	110	70-132	
cis-1,2-Dichloroethene	ug/kg	50.1	53.8	107	70-140	
cis-1,3-Dichloropropene	ug/kg	50.1	46.9	94	70-137	
Dibromochloromethane	ug/kg	50.1	58.2	116	70-130	
Dibromomethane	ug/kg	50.1	54.8	109	70-136	
Dichlorodifluoromethane	ug/kg	50.1	52.9	106	36-148	
Diisopropyl ether	ug/kg	50.1	54.3	108	70-139	
Ethylbenzene	ug/kg	50.1	55.0	110	70-137	
Hexachloro-1,3-butadiene	ug/kg	50.1	51.3	102	70-145	
Isopropylbenzene (Cumene)	ug/kg	50.1	59.7	119	70-141	
m&p-Xylene	ug/kg	100	113	112	70-140	
Methyl-tert-butyl ether	ug/kg	50.1	57.4	115	45-150	
Methylene Chloride	ug/kg	50.1	56.0	112	70-133	
n-Butylbenzene	ug/kg	50.1	57.5	115	65-155	
n-Propylbenzene	ug/kg	50.1	56.9	114	70-148	
Naphthalene	ug/kg	50.1	69.5	139	70-148	
o-Xylene	ug/kg	50.1	57.4	115	70-141	
p-Isopropyltoluene	ug/kg	50.1	64.2	128	70-148	
sec-Butylbenzene	ug/kg	50.1	59.7	119	70-145	
Styrene	ug/kg	50.1	61.5	123	70-138	
tert-Butylbenzene	ug/kg	50.1	66.3	132	70-143	
Tetrachloroethene	ug/kg	50.1	53.0	106	70-140	
Toluene	ug/kg	50.1	55.4	111	70-130	
trans-1,2-Dichloroethene	ug/kg	50.1	54.3	108	70-136	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

LABORATORY CONTROL SAMPLE: 1022437

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/kg	50.1	52.0	104	70-138	
Trichloroethene	ug/kg	50.1	58.3	116	70-132	
Trichlorofluoromethane	ug/kg	50.1	65.5	131	69-134	
Vinyl acetate	ug/kg	100	91.6	91	24-161	
Vinyl chloride	ug/kg	50.1	55.9	111	55-140	
Xylene (Total)	ug/kg	150	170	113	70-141	
1,2-Dichloroethane-d4 (S)	%			94	70-132	
4-Bromofluorobenzene (S)	%			91	70-130	
Dibromofluoromethane (S)	%			102	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE SAMPLE: 1022509

Parameter	Units	92166131006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/kg	ND	54.9	31.3	57	49-180	
Benzene	ug/kg	ND	54.9	54.9	100	50-166	
Chlorobenzene	ug/kg	ND	54.9	60.9	111	43-169	
Toluene	ug/kg	ND	54.9	58.1	106	52-163	
Trichloroethene	ug/kg	ND	54.9	58.7	107	49-167	
1,2-Dichloroethane-d4 (S)	%				82	70-132	
4-Bromofluorobenzene (S)	%				99	70-130	
Dibromofluoromethane (S)	%				79	70-130	
Toluene-d8 (S)	%				91	70-130	

SAMPLE DUPLICATE: 1022508

Parameter	Units	92166120003 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	9.2		
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	8.8		
1,3-Dichlorobenzene	ug/kg	ND	ND		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

SAMPLE DUPLICATE: 1022508

Parameter	Units	92166120003 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	40.6J		
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		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

SAMPLE DUPLICATE: 1022508

Parameter	Units	92166120003 Result	Dup Result	RPD	Qualifiers
Xylene (Total)	ug/kg	ND	ND		
1,2-Dichloroethane-d4 (S)	%	74	80	8	
4-Bromofluorobenzene (S)	%	90	101	13	
Dibromofluoromethane (S)	%	83	74	10	
Toluene-d8 (S)	%	91	96	7	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

QC Batch: MSV/23837 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92166131001, 92166131002, 92166131003, 92166131004, 92166131005

METHOD BLANK: 1022670 Matrix: Solid
Associated Lab Samples: 92166131001, 92166131002, 92166131003, 92166131004, 92166131005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.3	08/05/13 17:20	
1,1,1-Trichloroethane	ug/kg	ND	5.3	08/05/13 17:20	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.3	08/05/13 17:20	
1,1,2-Trichloroethane	ug/kg	ND	5.3	08/05/13 17:20	
1,1-Dichloroethane	ug/kg	ND	5.3	08/05/13 17:20	
1,1-Dichloroethene	ug/kg	ND	5.3	08/05/13 17:20	
1,1-Dichloropropene	ug/kg	ND	5.3	08/05/13 17:20	
1,2,3-Trichlorobenzene	ug/kg	ND	5.3	08/05/13 17:20	
1,2,3-Trichloropropane	ug/kg	ND	5.3	08/05/13 17:20	
1,2,4-Trichlorobenzene	ug/kg	ND	5.3	08/05/13 17:20	
1,2,4-Trimethylbenzene	ug/kg	ND	5.3	08/05/13 17:20	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.3	08/05/13 17:20	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.3	08/05/13 17:20	
1,2-Dichlorobenzene	ug/kg	ND	5.3	08/05/13 17:20	
1,2-Dichloroethane	ug/kg	ND	5.3	08/05/13 17:20	
1,2-Dichloropropane	ug/kg	ND	5.3	08/05/13 17:20	
1,3,5-Trimethylbenzene	ug/kg	ND	5.3	08/05/13 17:20	
1,3-Dichlorobenzene	ug/kg	ND	5.3	08/05/13 17:20	
1,3-Dichloropropane	ug/kg	ND	5.3	08/05/13 17:20	
1,4-Dichlorobenzene	ug/kg	ND	5.3	08/05/13 17:20	
2,2-Dichloropropane	ug/kg	ND	5.3	08/05/13 17:20	
2-Butanone (MEK)	ug/kg	ND	107	08/05/13 17:20	
2-Chlorotoluene	ug/kg	ND	5.3	08/05/13 17:20	
2-Hexanone	ug/kg	ND	53.3	08/05/13 17:20	
4-Chlorotoluene	ug/kg	ND	5.3	08/05/13 17:20	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	53.3	08/05/13 17:20	
Acetone	ug/kg	ND	107	08/05/13 17:20	
Benzene	ug/kg	ND	5.3	08/05/13 17:20	
Bromobenzene	ug/kg	ND	5.3	08/05/13 17:20	
Bromochloromethane	ug/kg	ND	5.3	08/05/13 17:20	
Bromodichloromethane	ug/kg	ND	5.3	08/05/13 17:20	
Bromoform	ug/kg	ND	5.3	08/05/13 17:20	
Bromomethane	ug/kg	ND	10.7	08/05/13 17:20	
Carbon tetrachloride	ug/kg	ND	5.3	08/05/13 17:20	
Chlorobenzene	ug/kg	ND	5.3	08/05/13 17:20	
Chloroethane	ug/kg	ND	10.7	08/05/13 17:20	
Chloroform	ug/kg	ND	5.3	08/05/13 17:20	
Chloromethane	ug/kg	ND	10.7	08/05/13 17:20	
cis-1,2-Dichloroethene	ug/kg	ND	5.3	08/05/13 17:20	
cis-1,3-Dichloropropene	ug/kg	ND	5.3	08/05/13 17:20	
Dibromochloromethane	ug/kg	ND	5.3	08/05/13 17:20	
Dibromomethane	ug/kg	ND	5.3	08/05/13 17:20	
Dichlorodifluoromethane	ug/kg	ND	10.7	08/05/13 17:20	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

METHOD BLANK: 1022670 Matrix: Solid

Associated Lab Samples: 92166131001, 92166131002, 92166131003, 92166131004, 92166131005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	ND	5.3	08/05/13 17:20	
Ethylbenzene	ug/kg	ND	5.3	08/05/13 17:20	
Hexachloro-1,3-butadiene	ug/kg	ND	5.3	08/05/13 17:20	
Isopropylbenzene (Cumene)	ug/kg	ND	5.3	08/05/13 17:20	
m&p-Xylene	ug/kg	ND	10.7	08/05/13 17:20	
Methyl-tert-butyl ether	ug/kg	ND	5.3	08/05/13 17:20	
Methylene Chloride	ug/kg	ND	21.3	08/05/13 17:20	
n-Butylbenzene	ug/kg	ND	5.3	08/05/13 17:20	
n-Propylbenzene	ug/kg	ND	5.3	08/05/13 17:20	
Naphthalene	ug/kg	ND	5.3	08/05/13 17:20	
o-Xylene	ug/kg	ND	5.3	08/05/13 17:20	
p-Isopropyltoluene	ug/kg	ND	5.3	08/05/13 17:20	
sec-Butylbenzene	ug/kg	ND	5.3	08/05/13 17:20	
Styrene	ug/kg	ND	5.3	08/05/13 17:20	
tert-Butylbenzene	ug/kg	ND	5.3	08/05/13 17:20	
Tetrachloroethene	ug/kg	ND	5.3	08/05/13 17:20	
Toluene	ug/kg	ND	5.3	08/05/13 17:20	
trans-1,2-Dichloroethene	ug/kg	ND	5.3	08/05/13 17:20	
trans-1,3-Dichloropropene	ug/kg	ND	5.3	08/05/13 17:20	
Trichloroethene	ug/kg	ND	5.3	08/05/13 17:20	
Trichlorofluoromethane	ug/kg	ND	5.3	08/05/13 17:20	
Vinyl acetate	ug/kg	ND	53.3	08/05/13 17:20	
Vinyl chloride	ug/kg	ND	10.7	08/05/13 17:20	
Xylene (Total)	ug/kg	ND	10.7	08/05/13 17:20	
1,2-Dichloroethane-d4 (S)	%	90	70-132	08/05/13 17:20	
4-Bromofluorobenzene (S)	%	94	70-130	08/05/13 17:20	
Dibromofluoromethane (S)	%	93	70-130	08/05/13 17:20	
Toluene-d8 (S)	%	97	70-130	08/05/13 17:20	

LABORATORY CONTROL SAMPLE: 1022671

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	55.1	59.6	108	70-131	
1,1,1-Trichloroethane	ug/kg	55.1	48.8	89	70-141	
1,1,2,2-Tetrachloroethane	ug/kg	55.1	51.3	93	70-130	
1,1,2-Trichloroethane	ug/kg	55.1	52.3	95	70-132	
1,1-Dichloroethane	ug/kg	55.1	47.2	86	70-143	
1,1-Dichloroethene	ug/kg	55.1	47.5	86	70-137	
1,1-Dichloropropene	ug/kg	55.1	44.0	80	70-135	
1,2,3-Trichlorobenzene	ug/kg	55.1	57.4	104	69-153	
1,2,3-Trichloropropane	ug/kg	55.1	47.9	87	70-130	
1,2,4-Trichlorobenzene	ug/kg	55.1	54.7	99	55-171	
1,2,4-Trimethylbenzene	ug/kg	55.1	45.8	83	70-149	
1,2-Dibromo-3-chloropropane	ug/kg	55.1	50.2	91	68-141	
1,2-Dibromoethane (EDB)	ug/kg	55.1	53.3	97	70-130	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

LABORATORY CONTROL SAMPLE: 1022671

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	55.1	61.3	111	70-140	
1,2-Dichloroethane	ug/kg	55.1	48.0	87	70-137	
1,2-Dichloropropane	ug/kg	55.1	49.3	90	70-133	
1,3,5-Trimethylbenzene	ug/kg	55.1	46.1	84	70-143	
1,3-Dichlorobenzene	ug/kg	55.1	59.6	108	70-144	
1,3-Dichloropropane	ug/kg	55.1	49.8	90	70-132	
1,4-Dichlorobenzene	ug/kg	55.1	59.8	109	70-142	
2,2-Dichloropropane	ug/kg	55.1	46.7	85	68-152	
2-Butanone (MEK)	ug/kg	110	89.4J	81	70-149	
2-Chlorotoluene	ug/kg	55.1	58.9	107	70-141	
2-Hexanone	ug/kg	110	102	92	70-149	
4-Chlorotoluene	ug/kg	55.1	53.4	97	70-149	
4-Methyl-2-pentanone (MIBK)	ug/kg	110	99.9	91	70-153	
Acetone	ug/kg	110	88.8J	81	70-157	
Benzene	ug/kg	55.1	54.1	98	70-130	
Bromobenzene	ug/kg	55.1	51.3	93	70-141	
Bromochloromethane	ug/kg	55.1	47.7	87	70-149	
Bromodichloromethane	ug/kg	55.1	53.8	98	70-130	
Bromoform	ug/kg	55.1	55.9	102	70-131	
Bromomethane	ug/kg	55.1	50.0	91	64-136	
Carbon tetrachloride	ug/kg	55.1	50.4	92	70-154	
Chlorobenzene	ug/kg	55.1	57.5	104	70-135	
Chloroethane	ug/kg	55.1	46.6	85	68-151	
Chloroform	ug/kg	55.1	49.3	90	70-130	
Chloromethane	ug/kg	55.1	39.0	71	70-132	
cis-1,2-Dichloroethene	ug/kg	55.1	46.9	85	70-140	
cis-1,3-Dichloropropene	ug/kg	55.1	51.9	94	70-137	
Dibromochloromethane	ug/kg	55.1	57.7	105	70-130	
Dibromomethane	ug/kg	55.1	49.6	90	70-136	
Dichlorodifluoromethane	ug/kg	55.1	28.7	52	36-148	F3
Diisopropyl ether	ug/kg	55.1	50.3	91	70-139	
Ethylbenzene	ug/kg	55.1	51.4	93	70-137	
Hexachloro-1,3-butadiene	ug/kg	55.1	57.8	105	70-145	
Isopropylbenzene (Cumene)	ug/kg	55.1	63.7	116	70-141	
m&p-Xylene	ug/kg	110	122	111	70-140	
Methyl-tert-butyl ether	ug/kg	55.1	47.1	86	45-150	
Methylene Chloride	ug/kg	55.1	40.5	74	70-133	
n-Butylbenzene	ug/kg	55.1	54.8	100	65-155	
n-Propylbenzene	ug/kg	55.1	61.9	112	70-148	
Naphthalene	ug/kg	55.1	55.1	100	70-148	
o-Xylene	ug/kg	55.1	60.1	109	70-141	
p-Isopropyltoluene	ug/kg	55.1	59.5	108	70-148	
sec-Butylbenzene	ug/kg	55.1	65.3	119	70-145	
Styrene	ug/kg	55.1	57.6	105	70-138	
tert-Butylbenzene	ug/kg	55.1	64.0	116	70-143	
Tetrachloroethene	ug/kg	55.1	54.2	98	70-140	
Toluene	ug/kg	55.1	60.0	109	70-130	
trans-1,2-Dichloroethene	ug/kg	55.1	46.8	85	70-136	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

LABORATORY CONTROL SAMPLE: 1022671

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/kg	55.1	53.0	96	70-138	
Trichloroethene	ug/kg	55.1	51.3	93	70-132	
Trichlorofluoromethane	ug/kg	55.1	45.5	83	69-134	
Vinyl acetate	ug/kg	110	53.6J	49	24-161	F3
Vinyl chloride	ug/kg	55.1	38.1	69	55-140	F3
Xylene (Total)	ug/kg	165	182	110	70-141	
1,2-Dichloroethane-d4 (S)	%			88	70-132	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			89	70-130	
Toluene-d8 (S)	%			98	70-130	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

QC Batch: OEXT/23115
Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 3546
Analysis Description: 8015 Solid GCSV
Associated Lab Samples: 92166131011, 92166131012

METHOD BLANK: 1015639
Matrix: Solid
Associated Lab Samples: 92166131011, 92166131012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/kg	ND	5.0	07/24/13 17:27	
n-Pentacosane (S)	%	84	41-119	07/24/13 17:27	

LABORATORY CONTROL SAMPLE: 1015640

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Components	mg/kg	66.7	48.6	73	49-113	
n-Pentacosane (S)	%			79	41-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1015641 1015642

Parameter	Units	92166086001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Diesel Components	mg/kg	ND	86.9	86.9	63.1	65.3	70	72	10-146	3	
n-Pentacosane (S)	%						75	76	41-119		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

QC Batch: OEXT/23116 | Analysis Method: EPA 8270
QC Batch Method: EPA 3546 | Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 92166131001, 92166131002, 92166131003, 92166131004, 92166131005, 92166131006, 92166131007, 92166131008, 92166131009, 92166131010

METHOD BLANK: 1015656 | Matrix: Solid
Associated Lab Samples: 92166131001, 92166131002, 92166131003, 92166131004, 92166131005, 92166131006, 92166131007, 92166131008, 92166131009, 92166131010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	330	07/26/13 12:58	
1,2-Dichlorobenzene	ug/kg	ND	330	07/26/13 12:58	
1,3-Dichlorobenzene	ug/kg	ND	330	07/26/13 12:58	
1,4-Dichlorobenzene	ug/kg	ND	330	07/26/13 12:58	
1-Methylnaphthalene	ug/kg	ND	330	07/26/13 12:58	
2,4,5-Trichlorophenol	ug/kg	ND	330	07/26/13 12:58	
2,4,6-Trichlorophenol	ug/kg	ND	330	07/26/13 12:58	
2,4-Dichlorophenol	ug/kg	ND	330	07/26/13 12:58	
2,4-Dimethylphenol	ug/kg	ND	330	07/26/13 12:58	
2,4-Dinitrophenol	ug/kg	ND	1650	07/26/13 12:58	
2,4-Dinitrotoluene	ug/kg	ND	330	07/26/13 12:58	
2,6-Dinitrotoluene	ug/kg	ND	330	07/26/13 12:58	
2-Chloronaphthalene	ug/kg	ND	330	07/26/13 12:58	
2-Chlorophenol	ug/kg	ND	330	07/26/13 12:58	
2-Methylnaphthalene	ug/kg	ND	330	07/26/13 12:58	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	07/26/13 12:58	
2-Nitroaniline	ug/kg	ND	1650	07/26/13 12:58	
2-Nitrophenol	ug/kg	ND	330	07/26/13 12:58	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	330	07/26/13 12:58	
3,3'-Dichlorobenzidine	ug/kg	ND	1650	07/26/13 12:58	
3-Nitroaniline	ug/kg	ND	1650	07/26/13 12:58	
4,6-Dinitro-2-methylphenol	ug/kg	ND	660	07/26/13 12:58	
4-Bromophenylphenyl ether	ug/kg	ND	330	07/26/13 12:58	
4-Chloro-3-methylphenol	ug/kg	ND	660	07/26/13 12:58	
4-Chloroaniline	ug/kg	ND	1650	07/26/13 12:58	
4-Chlorophenylphenyl ether	ug/kg	ND	330	07/26/13 12:58	
4-Nitroaniline	ug/kg	ND	660	07/26/13 12:58	
4-Nitrophenol	ug/kg	ND	1650	07/26/13 12:58	
Acenaphthene	ug/kg	ND	330	07/26/13 12:58	
Acenaphthylene	ug/kg	ND	330	07/26/13 12:58	
Aniline	ug/kg	ND	330	07/26/13 12:58	
Anthracene	ug/kg	ND	330	07/26/13 12:58	
Benzo(a)anthracene	ug/kg	ND	330	07/26/13 12:58	
Benzo(a)pyrene	ug/kg	ND	330	07/26/13 12:58	
Benzo(b)fluoranthene	ug/kg	ND	330	07/26/13 12:58	
Benzo(g,h,i)perylene	ug/kg	ND	330	07/26/13 12:58	
Benzo(k)fluoranthene	ug/kg	ND	330	07/26/13 12:58	
Benzoic Acid	ug/kg	ND	1650	07/26/13 12:58	
Benzyl alcohol	ug/kg	ND	660	07/26/13 12:58	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	07/26/13 12:58	
bis(2-Chloroethyl) ether	ug/kg	ND	330	07/26/13 12:58	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

METHOD BLANK: 1015656 Matrix: Solid

Associated Lab Samples: 92166131001, 92166131002, 92166131003, 92166131004, 92166131005, 92166131006, 92166131007, 92166131008, 92166131009, 92166131010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Chloroisopropyl) ether	ug/kg	ND	330	07/26/13 12:58	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	07/26/13 12:58	
Butylbenzylphthalate	ug/kg	ND	330	07/26/13 12:58	
Chrysene	ug/kg	ND	330	07/26/13 12:58	
Di-n-butylphthalate	ug/kg	ND	330	07/26/13 12:58	
Di-n-octylphthalate	ug/kg	ND	330	07/26/13 12:58	
Dibenz(a,h)anthracene	ug/kg	ND	330	07/26/13 12:58	
Dibenzofuran	ug/kg	ND	330	07/26/13 12:58	
Diethylphthalate	ug/kg	ND	330	07/26/13 12:58	
Dimethylphthalate	ug/kg	ND	330	07/26/13 12:58	
Fluoranthene	ug/kg	ND	330	07/26/13 12:58	
Fluorene	ug/kg	ND	330	07/26/13 12:58	
Hexachloro-1,3-butadiene	ug/kg	ND	330	07/26/13 12:58	
Hexachlorobenzene	ug/kg	ND	330	07/26/13 12:58	
Hexachlorocyclopentadiene	ug/kg	ND	330	07/26/13 12:58	
Hexachloroethane	ug/kg	ND	330	07/26/13 12:58	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	07/26/13 12:58	
Isophorone	ug/kg	ND	330	07/26/13 12:58	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	07/26/13 12:58	
N-Nitrosodimethylamine	ug/kg	ND	330	07/26/13 12:58	
N-Nitrosodiphenylamine	ug/kg	ND	330	07/26/13 12:58	
Naphthalene	ug/kg	ND	330	07/26/13 12:58	
Nitrobenzene	ug/kg	ND	330	07/26/13 12:58	
Pentachlorophenol	ug/kg	ND	1650	07/26/13 12:58	
Phenanthrene	ug/kg	ND	330	07/26/13 12:58	
Phenol	ug/kg	ND	330	07/26/13 12:58	
Pyrene	ug/kg	ND	330	07/26/13 12:58	
2,4,6-Tribromophenol (S)	%	64	27-110	07/26/13 12:58	
2-Fluorobiphenyl (S)	%	66	30-110	07/26/13 12:58	
2-Fluorophenol (S)	%	69	13-110	07/26/13 12:58	
Nitrobenzene-d5 (S)	%	58	23-110	07/26/13 12:58	
Phenol-d6 (S)	%	70	22-110	07/26/13 12:58	
Terphenyl-d14 (S)	%	81	28-110	07/26/13 12:58	

LABORATORY CONTROL SAMPLE: 1015657

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1290	78	39-101	
1,2-Dichlorobenzene	ug/kg	1670	1400	84	36-110	
1,3-Dichlorobenzene	ug/kg	1670	1330	80	35-110	
1,4-Dichlorobenzene	ug/kg	1670	1370	82	35-110	
1-Methylnaphthalene	ug/kg	1670	1360	82	45-105	
2,4,5-Trichlorophenol	ug/kg	1670	1120	67	48-109	
2,4,6-Trichlorophenol	ug/kg	1670	1060	63	45-111	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

LABORATORY CONTROL SAMPLE: 1015657

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dichlorophenol	ug/kg	1670	1230	74	51-116	
2,4-Dimethylphenol	ug/kg	1670	1280	77	42-103	
2,4-Dinitrophenol	ug/kg	8330	4930	59	28-103	
2,4-Dinitrotoluene	ug/kg	1670	1350	81	46-114	
2,6-Dinitrotoluene	ug/kg	1670	1280	77	48-112	
2-Chloronaphthalene	ug/kg	1670	1210	72	44-105	
2-Chlorophenol	ug/kg	1670	1290	78	36-110	
2-Methylnaphthalene	ug/kg	1670	1200	72	39-112	
2-Methylphenol(o-Cresol)	ug/kg	1670	1460	88	39-101	
2-Nitroaniline	ug/kg	3330	2260	68	44-111	
2-Nitrophenol	ug/kg	1670	1160	70	41-100	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1310	79	43-103	
3,3'-Dichlorobenzidine	ug/kg	3330	2510	75	10-150	
3-Nitroaniline	ug/kg	3330	2320	70	35-110	
4,6-Dinitro-2-methylphenol	ug/kg	3330	2410	72	38-118	
4-Bromophenylphenyl ether	ug/kg	1670	1080	65	47-115	
4-Chloro-3-methylphenol	ug/kg	3330	2480	74	43-127	
4-Chloroaniline	ug/kg	3330	2240	67	34-109	
4-Chlorophenylphenyl ether	ug/kg	1670	998	60	44-115	
4-Nitroaniline	ug/kg	3330	2490	75	37-111	
4-Nitrophenol	ug/kg	8330	5490	66	21-152	
Acenaphthene	ug/kg	1670	1250	75	38-117	
Acenaphthylene	ug/kg	1670	1240	74	46-107	
Aniline	ug/kg	1670	1300	78	29-110	
Anthracene	ug/kg	1670	1400	84	50-110	
Benzo(a)anthracene	ug/kg	1670	1360	81	47-116	
Benzo(a)pyrene	ug/kg	1670	1420	85	47-106	
Benzo(b)fluoranthene	ug/kg	1670	1280	77	47-109	
Benzo(g,h,i)perylene	ug/kg	1670	1380	83	39-115	
Benzo(k)fluoranthene	ug/kg	1670	1360	82	45-117	
Benzoic Acid	ug/kg	8330	4920	59	16-110	
Benzyl alcohol	ug/kg	3330	2540	76	38-105	
bis(2-Chloroethoxy)methane	ug/kg	1670	947	57	39-110	
bis(2-Chloroethyl) ether	ug/kg	1670	1140	69	19-119	
bis(2-Chloroisopropyl) ether	ug/kg	1670	888	53	21-110	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1450	87	35-116	
Butylbenzylphthalate	ug/kg	1670	1380	83	38-110	
Chrysene	ug/kg	1670	1440	86	49-110	
Di-n-butylphthalate	ug/kg	1670	1410	85	43-109	
Di-n-octylphthalate	ug/kg	1670	1390	83	37-109	
Dibenz(a,h)anthracene	ug/kg	1670	1400	84	43-116	
Dibenzofuran	ug/kg	1670	1090	65	45-106	
Diethylphthalate	ug/kg	1670	1230	74	41-114	
Dimethylphthalate	ug/kg	1670	1260	76	43-110	
Fluoranthene	ug/kg	1670	1420	85	50-114	
Fluorene	ug/kg	1670	1250	75	46-114	
Hexachloro-1,3-butadiene	ug/kg	1670	1290	77	28-111	
Hexachlorobenzene	ug/kg	1670	1470	88	46-120	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

LABORATORY CONTROL SAMPLE: 1015657

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorocyclopentadiene	ug/kg	1670	1290	77	18-119	
Hexachloroethane	ug/kg	1670	1310	79	33-110	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1390	84	42-115	
Isophorone	ug/kg	1670	1290	78	44-109	
N-Nitroso-di-n-propylamine	ug/kg	1670	1270	76	43-104	
N-Nitrosodimethylamine	ug/kg	1670	1320	79	29-110	
N-Nitrosodiphenylamine	ug/kg	1670	1170	70	48-113	
Naphthalene	ug/kg	1670	1300	78	41-110	
Nitrobenzene	ug/kg	1670	1180	71	38-110	
Pentachlorophenol	ug/kg	3330	2420	73	32-128	
Phenanthrene	ug/kg	1670	1380	83	50-110	
Phenol	ug/kg	1670	1430	86	28-106	
Pyrene	ug/kg	1670	1330	80	45-114	
2,4,6-Tribromophenol (S)	%			84	27-110	
2-Fluorobiphenyl (S)	%			72	30-110	
2-Fluorophenol (S)	%			82	13-110	
Nitrobenzene-d5 (S)	%			69	23-110	
Phenol-d6 (S)	%			86	22-110	
Terphenyl-d14 (S)	%			81	28-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1015658 1015659

Parameter	Units	92165879001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	1910	1910	1500	1450	79	76	18-119	3	
1,2-Dichlorobenzene	ug/kg	ND	1910	1910	1570	1510	82	79	50-110	4	
1,3-Dichlorobenzene	ug/kg	ND	1910	1910	1490	1430	78	75	27-110	5	
1,4-Dichlorobenzene	ug/kg	ND	1910	1910	1540	1490	81	78	28-110	3	
1-Methylnaphthalene	ug/kg	ND	1910	1910	1580	1480	83	78	24-116	7	
2,4,5-Trichlorophenol	ug/kg	ND	1910	1910	1270	1250	67	66	28-110	2	
2,4,6-Trichlorophenol	ug/kg	ND	1910	1910	1210	1220	64	64	17-117	1	
2,4-Dichlorophenol	ug/kg	ND	1910	1910	1370	1340	72	71	21-128	2	
2,4-Dimethylphenol	ug/kg	ND	1910	1910	1440	1380	75	72	10-120	4	
2,4-Dinitrophenol	ug/kg	ND	9510	9510	5060	4180	53	44	10-107	19	
2,4-Dinitrotoluene	ug/kg	ND	1910	1910	1710	1430	90	75	36-109	18	
2,6-Dinitrotoluene	ug/kg	ND	1910	1910	1560	1420	82	75	32-110	9	
2-Chloronaphthalene	ug/kg	ND	1910	1910	1350	1360	71	71	30-107	1	
2-Chlorophenol	ug/kg	ND	1910	1910	1430	1420	75	75	14-106	1	
2-Methylnaphthalene	ug/kg	ND	1910	1910	1380	1300	73	68	10-135	6	
2-Methylphenol(o-Cresol)	ug/kg	ND	1910	1910	1550	1560	81	82	10-124	0	
2-Nitroaniline	ug/kg	ND	3800	3800	2740	2470	72	65	26-116	10	
2-Nitrophenol	ug/kg	ND	1910	1910	1310	1310	69	69	28-103	0	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	1910	1910	1360	1420	72	75	10-109	4	
3,3'-Dichlorobenzidine	ug/kg	ND	3800	3800	2930	2880	77	76	10-150	2	
3-Nitroaniline	ug/kg	ND	3800	3800	2890	2440	76	64	22-110	17	
4,6-Dinitro-2-methylphenol	ug/kg	ND	3800	3800	2740	2770	72	73	13-121	1	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1015658 1015659

Parameter	Units	92165879001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
4-Bromophenylphenyl ether	ug/kg	ND	1910	1910	1190	1240	62	65	31-109	4	
4-Chloro-3-methylphenol	ug/kg	ND	3800	3800	2920	2610	77	68	13-128	11	
4-Chloroaniline	ug/kg	ND	3800	3800	2570	2440	68	64	18-102	5	
4-Chlorophenylphenyl ether	ug/kg	ND	1910	1910	1180	1070	62	56	29-112	10	
4-Nitroaniline	ug/kg	ND	3800	3800	3180	2400	84	63	16-111	28	
4-Nitrophenol	ug/kg	ND	9510	9510	6960	5230	73	55	14-135	28	
Acenaphthene	ug/kg	ND	1910	1910	1450	1390	76	73	26-114	4	
Acenaphthylene	ug/kg	ND	1910	1910	1450	1390	76	73	32-108	4	
Aniline	ug/kg	ND	1910	1910	1370	1380	72	72	10-107	1	
Anthracene	ug/kg	ND	1910	1910	1590	1570	83	83	32-111	1	
Benzo(a)anthracene	ug/kg	ND	1910	1910	1520	1470	80	77	25-117	3	
Benzo(a)pyrene	ug/kg	ND	1910	1910	1530	1540	80	81	25-106	1	
Benzo(b)fluoranthene	ug/kg	ND	1910	1910	1400	1420	73	74	24-110	1	
Benzo(g,h,i)perylene	ug/kg	ND	1910	1910	1440	1450	76	76	19-112	1	
Benzo(k)fluoranthene	ug/kg	ND	1910	1910	1460	1420	77	75	24-114	3	
Benzoic Acid	ug/kg	ND	9510	9510	924J	1260J	10	13	10-110		
Benzyl alcohol	ug/kg	ND	3800	3800	2650	2740	70	72	24-106	3	
bis(2-Chloroethoxy)methane	ug/kg	ND	1910	1910	1040	1050	55	55	13-119	0	
bis(2-Chloroethyl) ether	ug/kg	ND	1910	1910	1320	1250	69	66	10-134	5	
bis(2-Chloroisopropyl) ether	ug/kg	ND	1910	1910	965	961	51	51	10-113	0	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	1910	1910	1640	1550	86	81	10-125	6	
Butylbenzylphthalate	ug/kg	ND	1910	1910	1570	1500	83	79	18-110	5	
Chrysene	ug/kg	ND	1910	1910	1590	1560	83	82	30-110	2	
Di-n-butylphthalate	ug/kg	ND	1910	1910	1590	1490	84	78	19-112	6	
Di-n-octylphthalate	ug/kg	ND	1910	1910	1520	1410	80	74	17-105	7	
Dibenz(a,h)anthracene	ug/kg	ND	1910	1910	1460	1490	77	78	23-111	2	
Dibenzofuran	ug/kg	ND	1910	1910	1290	1200	68	63	35-103	8	
Diethylphthalate	ug/kg	ND	1910	1910	1550	1350	82	71	27-113	14	
Dimethylphthalate	ug/kg	ND	1910	1910	1510	1410	79	74	26-111	7	
Fluoranthene	ug/kg	ND	1910	1910	1640	1490	86	78	33-109	10	
Fluorene	ug/kg	ND	1910	1910	1520	1350	80	71	32-113	12	
Hexachloro-1,3-butadiene	ug/kg	ND	1910	1910	1430	1380	75	73	16-116	4	
Hexachlorobenzene	ug/kg	ND	1910	1910	1560	1670	82	88	27-120	6	
Hexachlorocyclopentadiene	ug/kg	ND	1910	1910	1310	1440	69	76	10-108	9	
Hexachloroethane	ug/kg	ND	1910	1910	1470	1390	77	73	10-117	6	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	1910	1910	1440	1470	76	77	10-122	2	
Isophorone	ug/kg	ND	1910	1910	1450	1400	76	74	28-114	3	
N-Nitroso-di-n-propylamine	ug/kg	ND	1910	1910	1370	1390	72	73	27-113	1	
N-Nitrosodimethylamine	ug/kg	ND	1910	1910	1460	1400	77	74	10-109	4	
N-Nitrosodiphenylamine	ug/kg	ND	1910	1910	1310	1420	69	75	10-128	8	
Naphthalene	ug/kg	ND	1910	1910	1500	1450	79	76	25-110	4	
Nitrobenzene	ug/kg	ND	1910	1910	1350	1320	71	70	18-114	2	
Pentachlorophenol	ug/kg	ND	3800	3800	2780	2700	73	71	10-122	3	
Phenanthrene	ug/kg	ND	1910	1910	1580	1550	83	81	30-114	2	
Phenol	ug/kg	ND	1910	1910	1520	1550	80	82	11-102	2	
Pyrene	ug/kg	ND	1910	1910	1500	1520	79	80	25-116	1	
2,4,6-Tribromophenol (S)	%						83	85	27-110		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1015658 1015659

Parameter	Units	92165879001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
2-Fluorobiphenyl (S)	%						67	70	30-110		
2-Fluorophenol (S)	%						77	76	13-110		
Nitrobenzene-d5 (S)	%						68	67	23-110		
Phenol-d6 (S)	%						79	80	22-110		
Terphenyl-d14 (S)	%						77	75	28-110		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

QC Batch: OEXT/23117 Analysis Method: MADEP EPH
QC Batch Method: MADEP EPH Analysis Description: MADEP EPH NC Soil
Associated Lab Samples: 92166131001, 92166131002, 92166131003, 92166131004, 92166131005, 92166131006, 92166131007, 92166131008, 92166131009, 92166131010

METHOD BLANK: 1015666 Matrix: Solid
Associated Lab Samples: 92166131001, 92166131002, 92166131003, 92166131004, 92166131005, 92166131006, 92166131007, 92166131008, 92166131009, 92166131010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aliphatic (C09-C18)	mg/kg	ND	10.0	07/26/13 14:55	N2
Aliphatic (C19-C36)	mg/kg	ND	10.0	07/26/13 14:55	N2
Aromatic (C11-C22)	mg/kg	ND	10.0	07/26/13 14:55	N2
2-Bromonaphthalene (S)	%	123	40-140	07/26/13 14:55	
2-Fluorobiphenyl (S)	%	108	40-140	07/26/13 14:55	
Nonatriacontane (S)	%	88	40-140	07/26/13 14:55	
o-Terphenyl (S)	%	98	40-140	07/26/13 14:55	

LABORATORY CONTROL SAMPLE & LCSD: 1015667 1015668

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C09-C18)	mg/kg	10	ND	ND	83	61	40-140		50	N2
Aliphatic (C19-C36)	mg/kg	13.3	11.4	ND	85	70	40-140		50	N2
Aromatic (C11-C22)	mg/kg	28.3	21.5	30.5	76	108	40-140	35	50	N2
2-Bromonaphthalene (S)	%				90	141	40-140			S0
2-Fluorobiphenyl (S)	%				86	127	40-140			
Nonatriacontane (S)	%				94	79	40-140			
o-Terphenyl (S)	%				72	106	40-140			

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

QC Batch: PMST/5695
Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92166131001, 92166131002, 92166131003, 92166131004, 92166131005, 92166131006, 92166131007, 92166131008

SAMPLE DUPLICATE: 1015758

Parameter	Units	92166143005 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	30.5	30.8	1	

SAMPLE DUPLICATE: 1015759

Parameter	Units	92166131008 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	17.0	17.3	2	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

QC Batch: PMST/5696 | Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 | Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92166131009, 92166131010, 92166131011, 92166131012

SAMPLE DUPLICATE: 1015898

Parameter	Units	92166171001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	8.8	7.5	16	

SAMPLE DUPLICATE: 1015899

Parameter	Units	92166131012 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	15.1	15.9	5	

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

QUALIFIERS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

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.

PRL - Pace Reporting Limit.

RL - Reporting 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.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

TNI - The NELAC Institute.

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
F3	The recovery of the second source standard used to verify the initial calibration curve for this analyte is outside the laboratory's control limits. The result is estimated.
IO	The internal standard response was outside the laboratory acceptance limits confirmed by reanalysis. The results reported are from the most QC compliant analysis.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
N2	The lab does not hold TNI accreditation for this parameter.
NC	Results acceptable because non-target analyte peak heights do not exceed the maximum calibrated upper range of the system per Section 9.5.8 of the MADEP VPH method.
S0	Surrogate recovery outside laboratory control limits.
S2	Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
S5	Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92166131011	**DS-3**	EPA 3546	OEXT/23115	EPA 8015 Modified	GCSV/15159
92166131012	**DS-4**	EPA 3546	OEXT/23115	EPA 8015 Modified	GCSV/15159
92166131001	**NRB-1**	MADEP EPH	OEXT/23117	MADEP EPH	GCSV/15177
92166131002	**WRB-1**	MADEP EPH	OEXT/23117	MADEP EPH	GCSV/15177
92166131003	**WRB-2**	MADEP EPH	OEXT/23117	MADEP EPH	GCSV/15177
92166131004	**WRB-3**	MADEP EPH	OEXT/23117	MADEP EPH	GCSV/15177
92166131005	**WRB-4**	MADEP EPH	OEXT/23117	MADEP EPH	GCSV/15177
92166131006	**SRB-1**	MADEP EPH	OEXT/23117	MADEP EPH	GCSV/15177
92166131007	**ERB-1**	MADEP EPH	OEXT/23117	MADEP EPH	GCSV/15177
92166131008	**ERB-2**	MADEP EPH	OEXT/23117	MADEP EPH	GCSV/15177
92166131009	**ERB-3**	MADEP EPH	OEXT/23117	MADEP EPH	GCSV/15177
92166131010	**ERB-4**	MADEP EPH	OEXT/23117	MADEP EPH	GCSV/15177
92166131011	**DS-3**	EPA 5035A/5030B	GCV/7129	EPA 8015 Modified	GCV/7131
92166131012	**DS-4**	EPA 5035A/5030B	GCV/7129	EPA 8015 Modified	GCV/7131
92166131001	**NRB-1**	MADEP VPH	GCV/7134	MADEP VPH	GCV/7137
92166131002	**WRB-1**	MADEP VPH	GCV/7123	MADEP VPH	GCV/7126
92166131003	**WRB-2**	MADEP VPH	GCV/7123	MADEP VPH	GCV/7126
92166131004	**WRB-3**	MADEP VPH	GCV/7123	MADEP VPH	GCV/7126
92166131005	**WRB-4**	MADEP VPH	GCV/7142	MADEP VPH	GCV/7146
92166131006	**SRB-1**	MADEP VPH	GCV/7123	MADEP VPH	GCV/7126
92166131007	**ERB-1**	MADEP VPH	GCV/7123	MADEP VPH	GCV/7126
92166131008	**ERB-2**	MADEP VPH	GCV/7123	MADEP VPH	GCV/7126
92166131009	**ERB-3**	MADEP VPH	GCV/7123	MADEP VPH	GCV/7126
92166131010	**ERB-4**	MADEP VPH	GCV/7123	MADEP VPH	GCV/7126
92166131001	**NRB-1**	EPA 3546	OEXT/23116	EPA 8270	MSSV/7993
92166131002	**WRB-1**	EPA 3546	OEXT/23116	EPA 8270	MSSV/7993
92166131003	**WRB-2**	EPA 3546	OEXT/23116	EPA 8270	MSSV/7993
92166131004	**WRB-3**	EPA 3546	OEXT/23116	EPA 8270	MSSV/7993
92166131005	**WRB-4**	EPA 3546	OEXT/23116	EPA 8270	MSSV/7993
92166131006	**SRB-1**	EPA 3546	OEXT/23116	EPA 8270	MSSV/7993
92166131007	**ERB-1**	EPA 3546	OEXT/23116	EPA 8270	MSSV/7993
92166131008	**ERB-2**	EPA 3546	OEXT/23116	EPA 8270	MSSV/7993
92166131009	**ERB-3**	EPA 3546	OEXT/23116	EPA 8270	MSSV/7993
92166131010	**ERB-4**	EPA 3546	OEXT/23116	EPA 8270	MSSV/7993
92166131001	**NRB-1**	EPA 8260	MSV/23837		
92166131002	**WRB-1**	EPA 8260	MSV/23837		
92166131003	**WRB-2**	EPA 8260	MSV/23837		
92166131004	**WRB-3**	EPA 8260	MSV/23837		
92166131005	**WRB-4**	EPA 8260	MSV/23837		
92166131006	**SRB-1**	EPA 8260	MSV/23833		
92166131007	**ERB-1**	EPA 8260	MSV/23833		
92166131008	**ERB-2**	EPA 8260	MSV/23833		
92166131009	**ERB-3**	EPA 8260	MSV/23833		
92166131010	**ERB-4**	EPA 8260	MSV/23833		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92166131001	**NRB-1**	ASTM D2974-87	PMST/5695		
92166131002	**WRB-1**	ASTM D2974-87	PMST/5695		
92166131003	**WRB-2**	ASTM D2974-87	PMST/5695		
92166131004	**WRB-3**	ASTM D2974-87	PMST/5695		
92166131005	**WRB-4**	ASTM D2974-87	PMST/5695		
92166131006	**SRB-1**	ASTM D2974-87	PMST/5695		
92166131007	**ERB-1**	ASTM D2974-87	PMST/5695		
92166131008	**ERB-2**	ASTM D2974-87	PMST/5695		
92166131009	**ERB-3**	ASTM D2974-87	PMST/5696		
92166131010	**ERB-4**	ASTM D2974-87	PMST/5696		
92166131011	**DS-3**	ASTM D2974-87	PMST/5696		
92166131012	**DS-4**	ASTM D2974-87	PMST/5696		

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

Pace Analytical	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: June 12, 2013 Page 1 of 2
	Document Number: **F-CHR-CS-03-rev.11**	Issuing Authority: Pace Huntersville Quality Office

Client Name: Pyramid

Where Received: ☒ Huntersville ☐ Asheville ☐ Eden ☐ Raleigh

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 T1102 T1301 **Type of Ice:** Wet Blue None ☒ Samples on ice, cooling process has begun

Temp Correction Factor **T1102**: No Correction **T1301**: No Correction

Corrected Cooler Temp.: 4.4 **C** **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C

Optional
Proj. Due Date:
Proj. Name:

Date and Initials of person examining contents: [illegible] 7/23/13

		Comments:
Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☒No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Sufficient Volume:	☒Yes ☐No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☐Yes ☒No ☐N/A	12. #5 bottle say 17:30
-Includes date/time/ID/Analysis Matrix:_____		#7 bottle have no time
All containers needing preservation have been checked.	☐Yes ☐No ☒N/A	13. #12 bottle ~~to~~ have no time [illegible] 7/23/13
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☒N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☒No	
Samples checked for dechlorination:	☐Yes ☐No ☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☒N/A	15.
Trip Blank Present:	☐Yes ☐No ☒N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☒N/A	
Pace Trip Blank Lot # (if purchased):_____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: [illegible] **Date:** 7/23/13

SRF Review: [illegible] **Date:** 7/24/13

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)

WO#: 92166131

92166131

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1690877

Section A Required Client Information:
Company: PYRAMID
Address: 503 INDUSTRIAL GOSBO, NC 27406
Email To:
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:
Report To: PYRAMID
Copy To:
Purchase Order No.:
Project Name: CARRBORO / CHRISTIAN
Project Number: 2013-161

Section C Invoice Information:
Attention: Mike Jones
Company Name: Pyramid
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 2982-1

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☑ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: NC

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) 8260	VPH	8270	EPH	GRO	DRO	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. (TRUST FUND RATES 92166131)
1	NRB-1	SL	G	07/22/13	10:30				8	X					X	X		X	X	X	X				001
2	WRB-1	SL	G	07/22/13	16:00				8	X					X	X		X	X	X	X				002
3	WRB-2	SL	G	07/22/13	16:20				8	X					X	X		X	X	X	X				003
4	WRB-3	SL	G	07/22/13	16:50				8	X					X	X		X	X	X	X				004
5	WRB-4	SL	G	07/22/13	16:55				8	X					X	X		X	X	X	X				005
6	SRB-1	SL	G	"	17:55				8	1					X	X		X	X	X	X				006
7	ERB-1	SL	G	"	18:15				8	1					X	X		X	X	X	X				007
8	ERB-2	SL	G	"	18:25				8	1					X	X		X	X	X	X				008
9	ERB-3	SL	G	"	18:35				8	1					X	X		X	X	X	X				009
10	ERB-4	SL	G	"	18:45				8	1					X	X		X	X	X	X				010
11	DS-3	SL	G	"	13:30				4	1						3						X	X		011
12	DS-4	SL	G	"	16:30				4	1						3						X	X		012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Michael Jones	7/22/13	21:15	[illegible] Pace	7/23/13	1230	
	[illegible] Pace	7/23/13	1530	[illegible]	7/23/13	15:30	4 deg C — yes

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: MICHAEL G. JONES
SIGNATURE of SAMPLER: Michael Jones DATE Signed (MM/DD/YY): 07/22/13

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

*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.

WELL ABANDONMENT RECORD

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

WELL CONTRACTOR CERTIFICATION # 2888-A

1. WELL CONTRACTOR:

Timothy D. Leatherman
Well Contractor (Individual) Name

Pyramid Environmental & Engineering, P.C.
Well Contractor Company Name

STREET ADDRESS P.O. Box 16265

Greensboro, NC 27416-0265
City or Town State Zip Code

(336) - 335 - 3174
Area code - Phone number

2. WELL INFORMATION:

SITE WELL ID # (if applicable) MW-5

STATE WELL PERMIT # (if applicable) N/A

COUNTY WELL PERMIT # (if applicable) N/A

DWQ or OTHER PERMIT # (if applicable) N/A

WELL USE (Check applicable use): ☑ Monitoring ☐ Residential ☐ Municipal/Public ☐ Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐ Irrigation

☐ Other (list use) _____

3. WELL LOCATION:

COUNTY Orange QUADRANGLE NAME _____

NEAREST TOWN: Carrboro, North Carolina

(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:

☐ Slope ☐ Valley ☑ Flat ☐ Ridge ☐ Other _____
(Check appropriate setting)

LATITUDE N 35 54' 37.67"
LONGITUDE W 79 04' 10.00"

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

Latitude/longitude source: ☑ GPS ☐ Topographic map

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

4a. FACILITY- The name of the business where the well is located. Complete 4a and4b. (If a residential well, skip 4a; complete 4b, well owner information only.)

FACILITY ID #(if applicable) 0-026870

NAME OF FACILITY Former Don C. Christian Property

STREET ADDRESS 206 E. Main Street

Carrboro NC
City or Town State Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME Main Street Properties of Chapel Hill, LLC

STREET ADDRESS PO Box2152 Chapel Hill, NC 27515

5. WELL DETAILS:

a. Total Depth: 22.5 ft. Diameter: 2 in.

b. Water Level (Below Measuring Point): 5.70 ft.

Measuring point is 0 ft. above land surface.

6. CASING:

	Length	Diameter
a. Casing Depth (if known):	22.5 ft.	2 in.
b. Casing Removed:	0 ft.	_____ in.

7. DISINFECTION: 0.1 pounds

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

8. SEALING MATERIAL:

Neat Cement

Cement 23 lb.
Water 1.5 gal.

Sand Cement

Cement _____ lb.
Water _____ gal.

Bentonite

Bentonite 25 lb.
Type: ☐ Slurry ☑ Pellets
Water _____ gal.

Other

Type material _____

Amount _____

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

~~Slow Pour bentonite - tremmie pipe neat cement~~

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

11. DATE WELL ABANDONED 7/17/13

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

Timothy D. Leatherman 8/16/13
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

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

Timothy D. Leatherman
PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management, 1617 Mail Service Center – Raleigh, NC 27699-1617, Phone No. (919) 733-7015 ext 568.

Form GW-30
Rev. 5/06

WELL ABANDONMENT RECORD

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

WELL CONTRACTOR CERTIFICATION # 2888-A

1. WELL CONTRACTOR:

Timothy D. Leatherman
Well Contractor (Individual) Name

Pyramid Environmental & Engineering, P.C.
Well Contractor Company Name

STREET ADDRESS P.O. Box 16265

Greensboro, NC 27416-0265
City or Town State Zip Code

(336) - 335 - 3174
Area code - Phone number

2. WELL INFORMATION:

SITE WELL ID # (if applicable) MW-1

STATE WELL PERMIT # (if applicable) N/A

COUNTY WELL PERMIT # (if applicable) N/A

DWQ or OTHER PERMIT # (if applicable) N/A

WELL USE (Check applicable use): ☑ **Monitoring** ☐ **Residential**
☐ **Municipal/Public** ☐ **Industrial/Commercial** ☐ **Agricultural**
☐ **Recovery** ☐ **Injection** ☐ **Irrigation**
☐ Other (list use) _____

3. WELL LOCATION:

COUNTY Orange QUADRANGLE NAME _____

NEAREST TOWN: Carrboro, North Carolina

(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:
☐ Slope ☐ Valley ☑ Flat ☐ Ridge ☐ Other _____
(Check appropriate setting)

LATITUDE N 35 54' 37.94"
LONGITUDE W 79 04' 09.68"

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

Latitude/longitude source: ☑ **GPS** ☐ **Topographic map**
(Location of well must be shown on a USGS topo map and attached to this form if not using GPS.)

4a. FACILITY- The name of the business where the well is located. Complete 4a and4b. (If a residential well, skip 4a; complete 4b, well owner information only.)

FACILITY ID #(if applicable) 0-026870

NAME OF FACILITY Former Don C. Christian Property

STREET ADDRESS 206 E. Main Street

Carrboro NC
City or Town State Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME Main Street Properties of Chapel Hill, LLC

STREET ADDRESS PO Box2152 Chapel Hill, NC 27515

5. WELL DETAILS:

a. Total Depth: 29.5 ft. Diameter: 2 in.
b. Water Level (Below Measuring Point): 6.95 ft.
Measuring point is 0 ft. above land surface.

6. CASING:

	Length	Diameter
a. Casing Depth (if known):	29.5 ft.	2 in.
b. Casing Removed:	0 ft.	_____ in.

7. DISINFECTION: 0.1 pounds

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

8. SEALING MATERIAL:

Neat Cement
Cement 23 lb.
Water 1.5 gal.

Sand Cement
Cement _____ lb.
Water _____ gal.

Bentonite
Bentonite 30 lb.
Type: ☐ Slurry ☑ Pellets
Water _____ gal.

Other
Type material _____
Amount _____

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

~~Slow Pour bentonite - tremmie pipe neat cement~~

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

11. DATE WELL ABANDONED 7/17/13

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

Timothy D. Leatherman 8/16/13
SIGNATURE OF CERTIFIED WELL CONTRACTOR **DATE**

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

Timothy D. Leatherman
PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management, 1617 Mail Service Center – Raleigh, NC 27699-1617, Phone No. (919) 733-7015 ext 568.

Form GW-30
Rev. 5/06

Soil Volumes For Former UST Area

Main Street Properties of Carrboro, LLC
Don Christian Property -206 E. Main Street

DENR UST Incident # 26797 ***DENR UST Permit # 00-026870***

LOAD NUMBER	Date hauled	Area	Tons	
13001	*18-Jul*	UST	17.10	
13002	*18-Jul*	UST	17.02	
13003	*18-Jul*	UST	18.99	
13004	*18-Jul*	UST	17.20	
13005	*18-Jul*	UST	16.35	
13006	*18-Jul*	UST	26.50	
13007	*18-Jul*	UST	19.05	
13008	*18-Jul*	UST	19.39	
13009	*18-Jul*	UST	28.23	
13010	*18-Jul*	UST	22.36	
13011	*18-Jul*	UST	19.64	
13012	*18-Jul*	UST	28.91	
13013	*18-Jul*	UST	22.46	
13014	*18-Jul*	UST	19.90	
13015	*18-Jul*	UST	31.46	
13016	19-Jul	UST	24.52	
13017	19-Jul	UST	20.32	
13018	19-Jul	UST	28.32	
13019	19-Jul	UST	27.46	
13020	19-Jul	UST	26.54	
13021	19-Jul	UST	26.53	
13022	19-Jul	UST	27.72	
13023	19-Jul	UST	23.96	
13024	22-Jul	UST	20.98	
13025	22-Jul	UST	32.10	
13026	22-Jul	UST	22.54	
13027	22-Jul	UST	27.14	
13028	22-Jul	UST	17.27	
13029	22-Jul	UST	28.46	
13030	22-Jul	UST	16.54	
13031	22-Jul	UST	16.32	
13032	22-Jul	UST	26.30	
13033	22-Jul	UST	20.08	
13034	22-Jul	UST	17.40	
13035	22-Jul	UST	28.82	
13036	22-Jul	UST	19.45	
13037	22-Jul	UST	18.03	
13038	23-Jul	UST	19.16	
13039	23-Jul	UST	25.76	
13040	23-Jul	UST	27.07	
13041	23-Jul	UST	18.50	
Total Tons Removed From the UST Area =			**931.85**	

This Table is for the UST Area Only

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

KOMATSU

KOMATSU

KOMATSU

KOMATSU
PYRAMID

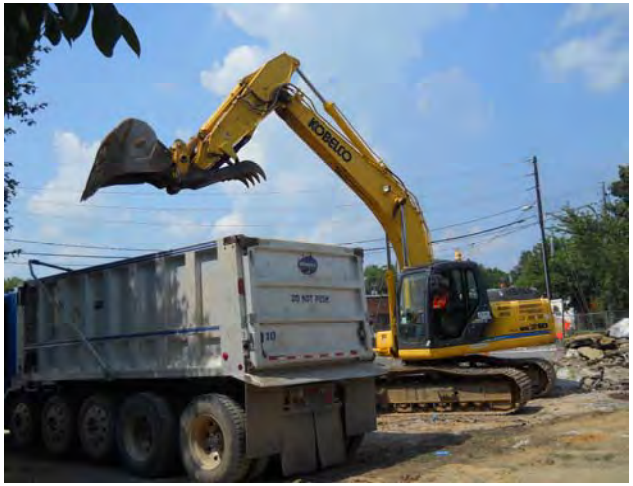
KOBELCO

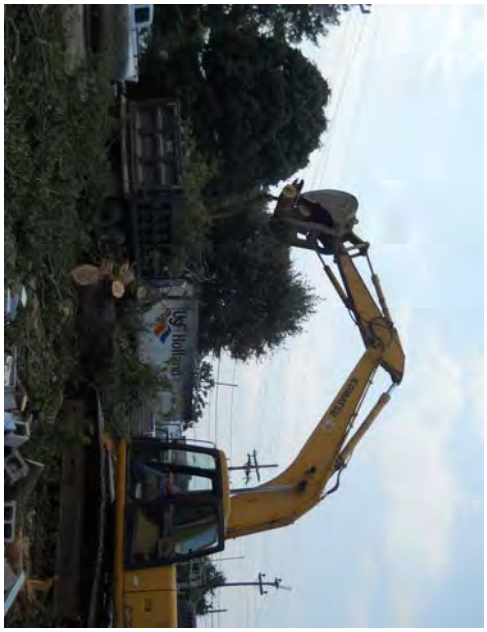
KOBELCO

KOBELCO

NATIONAL
RENT-A-FENCE
1-800-352-5975

KOMATSU





KOBELCO

TersOx™
OXIDIZER
5.1

KOBELCO

STAY BACK 200 FEET

KOBELCO
SK210

MOSHER
ENGINEERING

September 6, 2013

Garco, Inc.
P.O. Box 1907
Asheboro, NC 27204

Attention: Mr. Al King

Reference: Summary of Construction Materials Testing
206 East Main Street
Carrboro, North Carolina
Mosher Engineering Project No. 13.026.CO

This letter summarizes the construction materials testing and inspection services we provided for the referenced project during the month of July, 2013. Our services consisted of observation, qualitative probing, and testing of subgrades that occurred in excavated area of existing parking lot for proposed building pad.

General: The attached reports provide details of our observations and test results for the above referenced project, and are derived from field and laboratory test reports. Brief descriptions of the information provided in each document are as follows:

- The *Daily Activity Listing* is a chronological listing of activities we observed. This listing was derived from the daily field reports prepared by our representatives.
- The *Field Density Report* presents the results of our field density testing and is organized by project location.

Outstanding Discrepancies: There are no outstanding non-complying items to report.

Summary: Based upon our observations, qualitative probing, and test results, the soil subgrades for the excavated area have been suitably placed and compacted to at least 95 percent of the standard proctor maximum dry density per project requirements.

Mosher Engineering appreciates this opportunity to assist you during this phase of the project. If you have any questions, please contact us.

Respectfully,
MOSHER ENGINEERING, INC.

William R. Mosher, P.E.
Principal Engineer
North Carolina License No. 17909

NORTH CAROLINA PROFESSIONAL SEAL 17909 9/6/13 ENGINEER WILLIAM R. MOSHER

Attachments

Daily Activities Listings
Field Density Report

MOSHER
ENGINEERING

Daily Activity Listings

7/24/2013 *to* 7/26/2013

13.026.CO Main Street Properties

7/24/2013 Chris Hiser

Grading

Site : Structural Fill for Building Pad at Existing Parking Lot Adjacent to West Franklin Street (Subgrade)

Non-Compliant

* Observed unsatisfactory test results for compacted fill at grade - 7 (wet of optimum moisture and compaction was not achievable. Pumping under sheep's foot roller was observed at -7' due to wet soils. Contractor removed all soft wet soils. Material coming from the quarry was too wet to use).
* Observed unsatisfactory probing results of compacted fill at grade - 7 indicating low compaction.

Corrective Action

* Observed the removal of subgrade to grade - 8 .

Compliant

* Observed satisfactory test results for compacted fill at grade - 8 .
* Observed satisfactory probing results of compacted fill at grade - 8 indicating adequate compaction.

7/25/2013 Chris Hiser

Grading

Site : Structural Fill for Building Pad at Existing Parking Lot Adjacent to West Franklin Street (Subgrade)

Compliant

* Observed satisfactory placement of 3 ft of compacted fill to grade - 4 using sheeps foot compaction (subgrade soils at arrival were soft and wet due to overnight rain. Contractor removed 4-6" of previously placed soil to reach suitable soils).
* Observed satisfactory test results for compacted fill .
* Observed satisfactory probing results of compacted fill indicating adequate compaction.

7/26/2013 Chris Hiser

Grading

Site : Structural Fill for Building Pad at Existing Parking Lot Adjacent to West Franklin Street (Subgrade)

Compliant

* Observed satisfactory placement of 4 ft of compacted fill to grade - 0 using sheeps foot compaction.
* Observed satisfactory test results for compacted fill .
* Observed satisfactory probing results of compacted fill indicating adequate compaction.

----------*End of Report*----------

Mosher Engineering 557 B Pylon Drive Raleigh, North Carolina 27606 Phone: 919.856.1550 Fax: 919.856.1555

MOSHER
ENGINEERING

Field Density Report

7/23 to 7/26/13

Main Street Properties

13.026.CO

Test ID	Date	Lab Curve ID	Field One-Point	Wet Density	MC	Dry Density	MDD	OMC	% Compaction	Position	Elevation (ft)
Site											
Building Pad											
Structural Fill											
Subgrade											
19843	24-Jul-13	L748	☑	129.9	14.8	113.2	114.8	14.0	**99**	Existing Parking Lot Entrance	-8 Below Grade
19844	24-Jul-13	L748	☑	127.3	15.9	109.8	114.8	14.0	**96**	Existing Parking Lot Entrance	-7 Below Grade
19845	25-Jul-13	L715	☐	124.8	13.2	110.2	114.8	14.0	**96**	Existing Parking Lot Entrance	-6 Below Grade
19846	25-Jul-13	L715	☐	129.3	13.9	113.5	114.8	14.0	**99**	Existing Parking Lot Entrance	-5 Below Grade
19847	25-Jul-13	L715	☐	126.7	13.5	111.6	114.8	14.0	**97**	Existing Parking Lot Entrance	-4 Below Grade
19848	26-Jul-13	L748	☐	128.8	13.8	113.2	114.8	14.0	**99**	Existing Parking Lot Entrance	-2 Below Grade
19849	26-Jul-13	L748	☐	129.7	14.1	113.7	114.8	14.0	**99**	Existing Parking Lot Entrance	0 Below Grade

----------*End of Report*----------

Checked Box for Field One-Point Indicates MDD and OMC were derived by comparing a one-point field proctor to the reported Lab Curve ID

MDD - Maximum Dry Density (lb/cf)

OMC - Optimum Moisture Content (%)

Mosher Engineering 557 B Pylon Drive Raleigh, North Carolina 27606 Phone: 919.856.1550 Fax: 919.856.1555

UST-61 24-Hour Release and UST Leak Reporting Form.

For Releases in NC

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

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

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

Facility ID Number _____
Date Leak Discovered _____
Comm/Non-Commercial? _____
Reg/Non-regulated? _____

INCIDENT DESCRIPTION

Incident Name: Former Don Christian Property

Address: 206 E. Main Street | County: Orange

City/Town: Carrboro | Zip Code:27510 | Regional Office (*circle one*): Asheville, Mooresville, Fayetteville, Raleigh, Washington, Wilmington, Winston-Salem

Latitude (decimal degrees): N 35.91048 Longitude (decimal degrees) : - 79.067287

Obtained by:
- ☐ GPS
- ☐ Topographic map
- ☐ GIS Address matching
- ☐ Other
- ☐ Unknown

Describe location: Google Maps

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

During the excavation of two hydraulic Lifts in the service bays, petroleum contamination was discovered from hydraulic oil, and confirmed by TPH DRO analyses (> 5000 mg/kg).
Also during excavations, petroleum piping and an orphaned Waste Oil Tank was discovered.
The orphaned hydraulic lift USTs and the orphaned Waste Oil UST were removed.
Petroleum contamination under the waste oil tanks was 3860 mg/kg for DRO.

HOW RELEASE WAS DISCOVERED (Release Code)

(Check one)

- ☐ Release Detection Equipment or Methods
- ☒ During UST Closure/Removal
- ☐ Property Transfer
- ☐ Visual/Odor
- ☐ Water in Tank
- ☐ Water Supply Well Contamination
- ☐ Groundwater Contamination
- ☐ Surface Water Contamination
- ☐ Other (specify) _____

SOURCE OF CONTAMINATION

Source of Release *(Check one to indicate primary source)*
- ☒ Tank
- ☐ Piping
- ☐ Dispenser
- ☐ Submersible Turbine Pump
- ☐ Delivery Problem
- ☐ Other
- ☐ Unknown

Definitions presented on reverse

Cause of Release *(Check one to indicate primary cause)*
- ☐ Spill
- ☐ Overfill
- ☐ Corrosion
- ☐ Physical or Mechanical Damage
- ☐ Install Problem
- ☐ Other
- ☒ Unknown

Definitions presented on reverse

Type of Release *(Check one)*
- ☒ Petroleum
- ☐ Non-Petroleum
- ☐ Both

Location *(Check one)*
- ☒ Facility
- ☐ Residence
- ☐ Other

Product Type Released *(Check one to indicate primary product type released)*
- ☐ Gasoline/ Diesel/ Kerosene
- ☐ Heating Oil
- ☒ Other Petroleum Products
- ☐ Metals
- ☐ Other Inorganics
- ☐ Other Organics
- ☐ Diesel/Veg. Oil Blend
- ☐ Vegetable Oil 100%
- ☐ E10 – E20
- ☐ E21 – E84
- ☐ E85 – E99
- ☐ Ethanol 100%
- ☐ E01 – E09

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

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

IMPACT ON DRINKING WATER SUPPLIES

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

Number of Water Supply Wells Affected N A

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

1.
2.
3.

UST SYSTEM OWNER

UST Owner/Company			
Former Don Christian Property - Don Christian			
Point of Contact		Address	
Don Christian		206 E. Main Street	
City	State	Zip Code	Telephone Number
Carrboro	NC	27510	None

UST SYSTEM OPERATOR

UST Operator/Company		Address	
SAME - Don Christian			
City	State	Zip Code	Telephone Number

LANDOWNER AT LOCATION OF UST INCIDENT

Landowner		Address	
Main Street Properties of Chapel Hill, LLC		P.O. Box 2152	
City	State	Zip Code	Telephone Number
Chapel Hill	NC	27515	(919) 810-4410

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

SEE ATTACHED SITE MAPS

Person Reporting Incident Mike Jones	Company Pyramid Environmental & Eng., PC	Telephone Number 336-335-3174
Title Operations Manager	Address 503 Industrial Ave., Greensboro, NC 27406	Date 07-31-2013

Definitions of Sources

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

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

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

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

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

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

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

Definitions of Causes

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

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

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

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

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

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

Unknown: use when the cause has not been determined

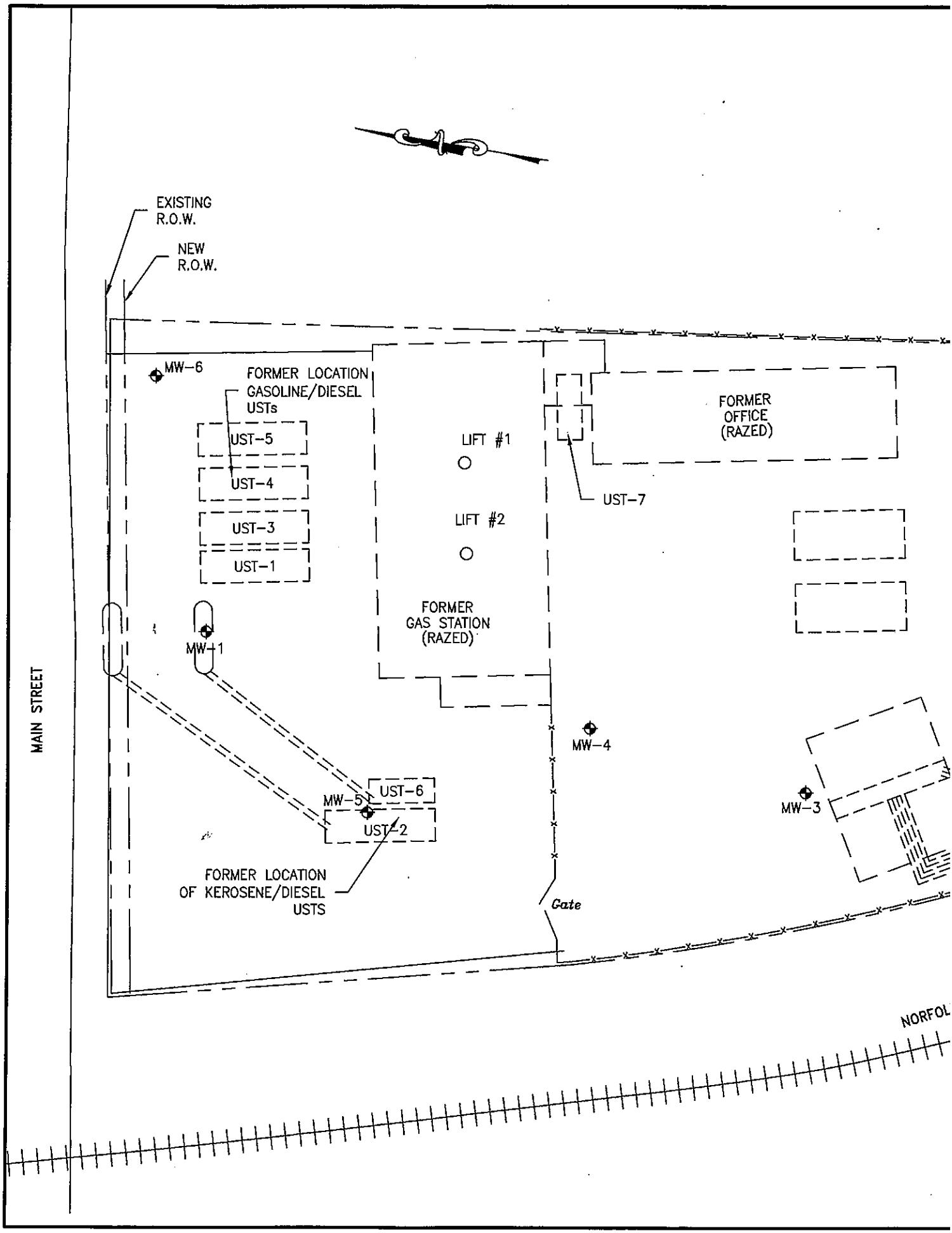

EXISTING R.O.W.
NEW R.O.W.
MW-6
FORMER LOCATION GASOLINE/DIESEL USTs
UST-5
UST-4
UST-3
UST-1
LIFT #1
LIFT #2
FORMER GAS STATION (RAZED)
FORMER OFFICE (RAZED)
UST-7
MW-1
MW-4
MW-5
UST-6
UST-2
MW-3
FORMER LOCATION OF KEROSENE/DIESEL USTS
Gate
MAIN STREET
NORFOL

TABLE 5

Hydraulic Lift Area - Risk-Based Post Excavation Soil Analytical Results
Former Don Christian Property - Hydraulic Lift Area
206 East Main Street, Carrboro, NC

Analytical Parameter	Analytical Method	SAMPLE ID NUMBER									Residential MSCC (mg/kg)	Industrial / Commercial MSCC (mg/kg)
		Lift 1 North	Lift 1 - East	Lift 1-South	Lift 2 South	Lift 2 West	Lift 2 North	Lift # 1	Lift # 2	DS-6		
Sample Date:		7/31/2013	7/31/2013	7/31/2013	7/31/2013	7/31/2013	7/31/2013	7/31/2013	7/31/2013	7/31/2013		
Sample Depth (feet):		8 feet	8	8	8	8	8	**9 feet**	**9 feet**	**Comp.**		
Results Units :		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		
C09 - C18 Aliphatics	EPH	ND	ND	502	49	ND	ND	NA	NA	NA	No MSCC	No MSCC
C19-C36 Aliphatics	EPH	ND	ND	240	ND	ND	ND	NA	NA	NA	31000	810,000
C11-C22 Aromatics	EPH	ND	ND	385	15	ND	ND	NA	NA	NA	No MSCC	No MSCC
Acenaphthene	8270	ND	ND	ND	ND	ND	ND	NA	NA	NA	940	24000
bis(2-Ethylhexyl)phthalate	8270	ND	ND	ND	ND	ND	ND	NA	NA	NA	46	410
1-Methylnaphthalene	8270	ND	ND	1.6	ND	ND	ND	NA	NA	NA	No MSCC	No MSCC
2-Methylnaphthalene	8270	ND	ND	2.6	ND	ND	ND	NA	NA	NA	63	1635
Naphthalene	8270	ND	ND	1.4	ND	ND	ND	NA	NA	NA	313	8176
All Other 8270 Parameters	8270											
Gasoline Range Organics (GRO)	8015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (DRO)	8015	NA	NA	NA	NA	NA	NA	5060	6260	1150	NA	NA
FID/OVA Field Screening (ppm)	FID/OVA	5 PPM	40.0	90	12	20	15	> 1000	> 1000	>400	NA	NA

mg/kg = Milligrams per Kilogram / or / parts per million (ppm).
BOLD values are above Residential MSCC levels
NS = Not Sampled for Parameter

MSCC = Maximum Soil Contaminant Concentrations
ND = Not Detected.
J = Estimated Concentration

No MSCC = No MSCC
NA = Not Applicable
CI = Considered Immobile

TABLE 4

Waste Oil Area - Risk-Based Post Excavation Laboratory Results
Former Don Christian - Orphan Used/Waste Oil UST
206 East Main Street, Carrboro, NC

Analytical Parameter	Analytical Method	W.O. UST	SAMPLE ID NUMBER						Residential MSCC (mg/kg)	Industrial / Commercial MSCC (mg/kg)
		(Removed)	W.O. East	W.O. South	W.O. Center	W.O. West	W.O. North	WO & Lift Area		
	Sample Date :	7/30/2013	7/30/2013	7/30/2013	7/30/2013	7/30/2013	7/30/2013	7/30/2013		
	Sample Depth in Feet :	7 Feet	7	8	9.5	8	8	**DS-5**		
	Results Units :	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		
C5-C8 Aliphatics	VPH	ND	ND	ND	ND	ND	ND	NA	939	24,528
C9-C12 Aliphatics	VPH	ND	ND	ND	ND	ND	ND	NA	No MSCC	No MSCC
C9-C18 Aliphatics	EPH	ND	ND	ND	ND	ND	ND	NA	No MSCC	No MSCC
Sum of VPH & EPH		ND	ND	ND	ND	ND	ND	NA	1500	40,000
C19-C36 Aliphatics	EPH	13000	ND	ND		ND	23.2	NA	31000	CI
C9-C10 Aromatics	VPH	ND	ND	ND	ND	ND	ND	NA	No MSCC	No MSCC
C11-C22 Aromatics	EPH	4230	ND	ND	ND	ND	ND	NA	No MSCC	No MSCC
Sum of VPH & EPH		**4230**	ND	ND	ND	ND	ND	NA	469	12,264
Benzene	8260	ND	ND	ND	ND	ND	ND	NA	18	164
n-Butylbenzene	8260	ND	ND	ND	ND	ND	ND	NA	626	16,350
Ethylbenzene	8260	ND	ND	ND	ND	ND	ND	NA	1560	40,000
1,2-Dichloroethane	8260	ND	ND	ND	ND	ND	ND	NA	110	1000
Isopropylbenzene	8260	ND	ND	ND	ND	ND	ND	NA	1564	40,880
Naphthalene	8260	ND	ND	ND	ND	ND	ND	NA	313	8176
n-Propylbenzene	8260	ND	ND	ND	ND	ND	ND	NA	626	16,350
Styrene	8260	ND	ND	ND	ND	ND	ND	NA	3128	91,670
Toluene	8260	ND	ND	ND	ND	ND	ND	NA	1200	32,000
1,2,4-Trimethylbenzene	8260	ND	ND	ND	ND	ND	ND	NA	782	20,440
1,3,5-Trimethylbenzene	8260	ND	ND	ND	ND	ND	ND	NA	782	20,440
Total Xylenes	8260	ND	ND	ND	ND	ND	ND	NA	3129	81,760
All Other 8260 Parameters	8260								NA	NA
Acenaphthene	8270	ND	ND	ND	ND	ND	ND	NA	940	24,000
bis(2-Ethylhexyl)phthalate	8270	ND	ND	ND	ND	ND	ND	NA	46	410
1-Methylnaphthalene	8270	ND	ND	ND	ND	ND	ND	NA	20	No MSCC
2-Methylnaphthalene	8270	ND	ND	ND	ND	ND	ND	NA	63	No MSCC
Naphthalene	8270	ND	ND	ND	ND	ND	ND	NA	313	8176
All Other 8270 Parameters	8270		ND	ND	ND	ND			NA	NA
Total Chromium (III)	6010	4.5	29.6	3.7	53.8	56.8	8.3	3.0	47	1226
Lead	6010	25.4	2.9	4.1	2.8	2.8	4.0	16.4	400	400
Diesel Range Organics (DRO)	8015	NA	NA	NA	NA	NA	NA	3860	NA	NA
Gasoline Range Organics (GRO)	8015	NA	NA	NA	NA	NA	NA	122	NA	NA
FID/OVA Field Screening (ppm)	FID/OVA	25	25	18	110	70	20	> 600	NA	NA

mg/kg = Milligrams Per Kilogram /or/ parts per million (ppm).
BOLD values are above Residential Soil MSCC levels.
NS = Not Sampled for Parameter

MSCC = Maximum Soil Contaminant Concentrations
ND = Not Detected.
J = Estimated Concentration

No MSCC = No MSCC
NA = Not Applicable
CI = Considered Immobile

NON RESIDENTIAL WELL CONSTRUCTION RECORD

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

WELL CONTRACTOR CERTIFICATION # 3580

1. WELL CONTRACTOR:
Bryan Vest
Well Contractor (Individual) Name
Ransier Environmental Drilling, Inc.
Well Contractor Company Name
PO Box 923
Street Address
Pinehurst NC 28370
City or Town State Zip Code
(910) 690-6688
Area code Phone number

2. WELL INFORMATION:
WELL CONSTRUCTION PERMIT#
OTHER ASSOCIATED PERMIT#(if applicable)
SITE WELL ID #(if applicable) MW-5A

3. WELL USE (Check One Box) Monitoring ☑ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use)
DATE DRILLED 7/29/13

4. WELL LOCATION:
206 Main St.
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)
CITY: Carrboro COUNTY Orange
TOPOGRAPHIC / LAND SETTING: (check appropriate box)
☐ Slope ☐ Valley ☑ Flat ☐ Ridge ☐ Other
LATITUDE 35 ° 54 . 36 " DMS DD
LONGITUDE 79 ° 04 . 09 " DMS DD
Latitude/longitude source: ☑ GPS ☐ Topographic map
(location of well must be shown on a USGS topo map andattached to this form if not using GPS)

5. FACILITY (Name of the business where the well is located.)
Christian Property
Facility Name Facility ID# (if applicable)
see above
Street Address
see above NC
City or Town State Zip Code
Mike Jones
Contact Name
503 Industrial Ave
Mailing Address
Greensboro NC
City or Town State Zip Code
(336) 335-3174
Area code Phone number

6. WELL DETAILS:
a. TOTAL DEPTH: 19
b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☑
c. WATER LEVEL Below Top of Casing: 7 FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS -.25 FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. YIELD (gpm): METHOD OF TEST
f. DISINFECTION: Type Amount
g. WATER ZONES (depth):
Top Bottom Top Bottom
Top Bottom Top Bottom
Top Bottom Top Bottom

7. CASING:

Depth		Diameter	Thickness/ Weight	Material
Top -.25	Bottom 5 Ft.	2"	Sch 40	PVC
Top	Bottom Ft.			
Top	Bottom Ft.			

8. GROUT:

Depth		Material	Method
Top 0	Bottom 2 Ft.	portland	tremmie
Top	Bottom Ft.		
Top	Bottom Ft.		

9. SCREEN:

Depth		Diameter	Slot Size	Material
Top 4	Bottom 19 Ft.	2 in.	.010 in.	PVC
Top	Bottom Ft.	in.	in.	
Top	Bottom Ft.	in.	in.	

10. SAND/GRAVEL PACK:

Depth		Size	Material
Top 3	Bottom 19 Ft.	Med.	Quartz
Top	Bottom Ft.		
Top	Bottom Ft.		

11. DRILLING LOG

Top	Bottom	Formation Description
0	18	fill
18	19	silt

12. REMARKS:

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

Bryan Vest 7/30/13
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE
Bryan Vest
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit within 30 days of completion to: Division of Water Quality - Information Processing, 1617 Mail Service Center, Raleigh, NC 27699-161, Phone : (919) 807-6300

Form GW-1b
Rev. 2/09

NON RESIDENTIAL WELL CONSTRUCTION RECORD

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

WELL CONTRACTOR CERTIFICATION # 3580

1. WELL CONTRACTOR:
Bryan Vest
Well Contractor (Individual) Name
Ransier Environmental Drilling, Inc.
Well Contractor Company Name
PO Box 923
Street Address
Pinehurst NC 28370
City or Town State Zip Code
(910) 690-6688
Area code Phone number

2. WELL INFORMATION:
WELL CONSTRUCTION PERMIT#
OTHER ASSOCIATED PERMIT#(if applicable)
SITE WELL ID #(if applicable) MW-1A

3. WELL USE (Check One Box) Monitoring ☑ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use)
DATE DRILLED 7/29/13

4. WELL LOCATION:
206 Main St.
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)
CITY: Carrboro COUNTY Orange
TOPOGRAPHIC / LAND SETTING: (check appropriate box)
☐ Slope ☐ Valley ☑ Flat ☐ Ridge ☐ Other
LATITUDE 35 ° .54 .36 " DMS DD
LONGITUDE 79 ° .04 .09 " DMS DD
Latitude/longitude source: ☑ GPS ☐ Topographic map
(location of well must be shown on a USGS topo map andattached to this form if not using GPS)

5. FACILITY (Name of the business where the well is located.)
Christian Property
Facility Name Facility ID# (if applicable)
see above
Street Address
see above NC
City or Town State Zip Code
Mike Jones
Contact Name
503 Industrial Ave
Mailing Address
Greensboro NC
City or Town State Zip Code
(336) 335-3174
Area code Phone number

6. WELL DETAILS:
a. TOTAL DEPTH: 18
b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☑
c. WATER LEVEL Below Top of Casing: 7 FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS -.25 FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.
e. YIELD (gpm): METHOD OF TEST
f. DISINFECTION: Type Amount
g. WATER ZONES (depth):
Top Bottom Top Bottom
Top Bottom Top Bottom
Top Bottom Top Bottom

7. CASING:	Depth		Diameter	Thickness/ Weight	Material
Top -.25	Bottom 4	Ft.	2"	Sch 40	PVC
Top	Bottom	Ft.			
Top	Bottom	Ft.			

8. GROUT:	Depth		Material	Method
Top 0	Bottom 1	Ft.	portland	tremmie
Top	Bottom	Ft.		
Top	Bottom	Ft.		

9. SCREEN:	Depth		Diameter	Slot Size	Material
Top 3	Bottom 18	Ft.	2 in.	.010 in.	PVC
Top	Bottom	Ft.	in.	in.	
Top	Bottom	Ft.	in.	in.	

10. SAND/GRAVEL PACK:	Depth		Size	Material
Top 2	Bottom 18	Ft.	Med.	Quartz
Top	Bottom	Ft.		
Top	Bottom	Ft.		

11. DRILLING LOG

Top	Bottom	Formation Description
0	18	fill

12. REMARKS:

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

Bryan Vest 7/30/13
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE
Bryan Vest
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit within 30 days of completion to: Division of Water Quality - Information Processing, 1617 Mail Service Center, Raleigh, NC 27699-161, Phone : (919) 807-6300

Form GW-1b
Rev. 2/09

Appendix H

Tech Brief

***In Situ* Hydrocarbon Treatment**

TersOx™

Enhanced Aerobic Bioremediation

TersOx™ is a specially formulated calcium hydroxide that produces a controlled-release of molecular oxygen designed to assist in the aerobic bioremediation of hydrocarbons in soil and groundwater. TersOx™ stimulates natural degradation of petroleum hydrocarbons such as benzene, toluene, ethylbenzene and xylenes (BTEX). This is not a chemical oxidation product. The high ratio of O_2 in TersOx™ (>16.6% by weight) provides a long-term oxygen source for up to 12 months upon hydration under ideal conditions. This sustained release of oxygen stimulates indigenous bacteria, accelerates bioactivity, and promotes increased contaminant removal.

TersOx™ Specifications

- A white to yellow, powdery material
- Composition - Calcium peroxide
- Assay 75% minimum
- Releases >16.6% of its weight as oxygen when hydrated
- Packaged and delivered in 110 lb. fiber drums
- See detailed MSDS for full product specifications
- Transport regulations: Hazard Class: 5.1, Packing Group: II, Class: 70, UN1457
- pH approximately 12
- Moisture: 2% maximum
- Expected shelf-life of material - 2 years

Field Applications

- TersOx™ and water mixture (slurry) application in excavations
- Dry powder application in soils and excavations
- Injectable slurry for source area and permeable reactive barrier applications

Benefits

- Controlled-release of molecular oxygen to support aerobic microbial biodegradation
- Long-term source of oxygen to the subsurface
- Clean, low-cost, non-disruptive application
- No Operations and Maintenance
- Complimentary site evaluation from Tersus Environmental

About Us

What if we always settled for the first technology that came along?
Then we would have never gotten to where we are today.

We Develop & Market Innovative, Sustainable, Green Technologies. Tersus Environmental also provides global sales management and marketing services for inVentures Technologies' complete family of groundwater remediation products based on the worldwide-patented Gas inFusion technology, which allows for supersaturated levels of dissolved gas into liquids.

Innovative Sustainable Green Technologies
Tel: 919.453.5577 • info@tersusenv.com
tersusenv.com

Copyright © 2012 Tersus Environmental, LLC. All Rights Reserved.
Rev: 3 May 2012

Spec Sheet

In Situ Hydrocarbon Treatment

TersOx™ Pellets

Enhanced Aerobic Bioremediation

TersOx™ Pellets is a specially formulated calcium hydroxide that produces a controlled-release of molecular oxygen designed to assist in the aerobic bioremediation of hydrocarbons in soil and groundwater. TersOx™ Pellets stimulates natural degradation of petroleum hydrocarbons such as benzene, toluene, ethylbenzene and xylenes (BTEX). This is not a chemical oxidation product. The high ratio of O_2 in TersOx™ Pellets (>16% by weight) provides a long-term oxygen source for up to 12 months upon hydration under ideal conditions. This sustained release of oxygen stimulates indigenous bacteria, accelerates bioactivity, and promotes increased contaminant removal.

TersOx™ Pellets Specifications

- A white to yellow, pellet
- Composition - Calcium peroxide
- Assay 75% minimum
- Releases 16% of its weight as oxygen
- Pellet size 2 mm
- Packaged and delivered in 110 lb. fiber drums
- See detailed MSDS for full product specifications
- Transport regulations: Hazard Class: 5.1, Packing Group: II, Class: 70, UN1457
- pH approximately 12
- Moisture: 3% maximum
- Expected shelf-life of material - 2 years

Field Applications

- TersOx™ Pellets dry application in excavations
- Dry powder application in soils and excavations
- Injectable slurry for source area and permeable reactive barrier applications

Benefits

- Controlled-release of molecular oxygen to support aerobic microbial biodegradation
- Long-term source of oxygen to the subsurface
- Clean, low-cost, non-disruptive application
- Ideal to stimulate aerobic remediation in trenches, pits and excavations
- No Operations and Maintenance or water equipment necessary
- Complimentary site evaluation from Tersus Environmental

About Us

What if we always settled for the first technology that came along?
Then we would have never gotten to where we are today.

We Develop & Market Innovative, Sustainable, Green Technologies. Tersus Environmental also provides global sales management and marketing services for inVentures Technologies' complete family of groundwater remediation products based on the worldwide-patented Gas inFusion technology, which allows for supersaturated levels of dissolved gas into liquids.

Innovative Sustainable Green Technologies
tersusenv.com
Tel: 919.453.5577 • info@tersusenv.com

KOBELCO

STAY BACK 200 FEET

KOBELCO
SK210

Appendix I

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

August 13, 2013

Mr. Mike Jones
Pyramid Environmental
P.O. Box 16265
503 Industrial Avenue
Greensboro, NC 27416

RE: Project: 2013-161 Carrboro
Pace Project No.: 92167380

Dear Mr. Jones:
Enclosed are the analytical results for sample(s) received by the laboratory on August 02, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted 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 Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: 2013-161 Carrboro
Pace Project No.: 92167380

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

Asheville Certification IDs
2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
West Virginia Certification #: 356
Virginia/VELAP Certification #: 460222

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: 2013-161 Carrboro
Pace Project No.: 92167380

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92167380001	**W.O. UST-7'**	MADEP EPH	EJK	7	PASI-C
		MADEP VPH	GAW	5	PASI-C
		EPA 6010	JMW	2	PASI-A
		EPA 8270	RES	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 2013-161 Carrboro
Pace Project No.: 92167380

Sample: W.O. UST-7' **Lab ID: 92167380001** Collected: 07/31/13 13:00 Received: 08/02/13 13:30 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)	ND	mg/kg	4620	400	08/06/13 13:13	08/09/13 11:44		N2
Aliphatic (C19-C36)	**13000**	mg/kg	4620	400	08/06/13 13:13	08/09/13 11:44		N2
Aromatic (C11-C22)	**4230**	mg/kg	578	50	08/06/13 13:13	08/08/13 16:30		N2
Surrogates								
Nonatriacontane (S)	0	%	40-140	400	08/06/13 13:13	08/09/13 11:44	7194-86-7	S4
o-Terphenyl (S)	0	%	40-140	50	08/06/13 13:13	08/08/13 16:30	84-15-1	S4
2-Fluorobiphenyl (S)	0	%	40-140	50	08/06/13 13:13	08/08/13 16:30	321-60-8	S4
2-Bromonaphthalene (S)	0	%	40-140	50	08/06/13 13:13	08/08/13 16:30	580-13-2	S4
VPH NC Soil	Analytical Method: MADEP VPH Preparation Method: MADEP VPH							
Aliphatic (C05-C08)	ND	mg/kg	3.1	1	08/07/13 08:53	08/07/13 10:45		N2
Aliphatic (C09-C12)	ND	mg/kg	3.1	1	08/07/13 08:53	08/07/13 10:45		N2
Aromatic (C09-C10)	ND	mg/kg	3.1	1	08/07/13 08:53	08/07/13 10:45		N2
Surrogates								
4-Bromofluorobenzene (FID) (S)	102	%	70-130	1	08/07/13 08:53	08/07/13 10:45	460-00-4	
4-Bromofluorobenzene (PID) (S)	93	%	70-130	1	08/07/13 08:53	08/07/13 10:45	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Chromium	**4.5**	mg/kg	0.43	1	08/03/13 14:35	08/05/13 23:46	7440-47-3	
Lead	**25.4**	mg/kg	0.43	1	08/03/13 14:35	08/05/13 23:46	7439-92-1	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	83-32-9	
Acenaphthylene	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	208-96-8	
Aniline	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	62-53-3	
Anthracene	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	120-12-7	
Benzo(a)anthracene	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	56-55-3	
Benzo(a)pyrene	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	207-08-9	
Benzoic Acid	ND	ug/kg	95400	10	08/03/13 11:08	08/06/13 14:55	65-85-0	
Benzyl alcohol	ND	ug/kg	38100	10	08/03/13 11:08	08/06/13 14:55	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	101-55-3	
Butylbenzylphthalate	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	38100	10	08/03/13 11:08	08/06/13 14:55	59-50-7	
4-Chloroaniline	ND	ug/kg	95400	10	08/03/13 11:08	08/06/13 14:55	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	108-60-1	
2-Chloronaphthalene	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	91-58-7	
2-Chlorophenol	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	7005-72-3	
Chrysene	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	53-70-3	
Dibenzofuran	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	132-64-9	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 2013-161 Carrboro
Pace Project No.: 92167380

Sample: W.O. UST-7' **Lab ID: 92167380001** Collected: 07/31/13 13:00 Received: 08/02/13 13:30 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							
1,2-Dichlorobenzene	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	95400	10	08/03/13 11:08	08/06/13 14:55	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	120-83-2	
Diethylphthalate	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	105-67-9	
Dimethylphthalate	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	131-11-3	
Di-n-butylphthalate	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	38100	10	08/03/13 11:08	08/06/13 14:55	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	95400	10	08/03/13 11:08	08/06/13 14:55	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	606-20-2	
Di-n-octylphthalate	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	117-81-7	
Fluoranthene	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	206-44-0	
Fluorene	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	87-68-3	
Hexachlorobenzene	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	77-47-4	
Hexachloroethane	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	193-39-5	
Isophorone	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	78-59-1	
1-Methylnaphthalene	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	90-12-0	
2-Methylnaphthalene	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55		
Naphthalene	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	91-20-3	
2-Nitroaniline	ND	ug/kg	95400	10	08/03/13 11:08	08/06/13 14:55	88-74-4	
3-Nitroaniline	ND	ug/kg	95400	10	08/03/13 11:08	08/06/13 14:55	99-09-2	
4-Nitroaniline	ND	ug/kg	38100	10	08/03/13 11:08	08/06/13 14:55	100-01-6	
Nitrobenzene	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	98-95-3	
2-Nitrophenol	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	88-75-5	
4-Nitrophenol	ND	ug/kg	95400	10	08/03/13 11:08	08/06/13 14:55	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	86-30-6	
Pentachlorophenol	ND	ug/kg	95400	10	08/03/13 11:08	08/06/13 14:55	87-86-5	
Phenanthrene	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	85-01-8	
Phenol	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	108-95-2	
Pyrene	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	19100	10	08/03/13 11:08	08/06/13 14:55	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	0	%	23-110	10	08/03/13 11:08	08/06/13 14:55	4165-60-0	D3,S4

REPORT OF LABORATORY ANALYSIS

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 2013-161 Carrboro
Pace Project No.: 92167380

Sample: W.O. UST-7' **Lab ID: 92167380001** Collected: 07/31/13 13:00 Received: 08/02/13 13:30 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							
Surrogates								
2-Fluorobiphenyl (S)	0	%	30-110	10	08/03/13 11:08	08/06/13 14:55	321-60-8	
Terphenyl-d14 (S)	0	%	28-110	10	08/03/13 11:08	08/06/13 14:55	1718-51-0	
Phenol-d6 (S)	0	%	22-110	10	08/03/13 11:08	08/06/13 14:55	13127-88-3	
2-Fluorophenol (S)	0	%	13-110	10	08/03/13 11:08	08/06/13 14:55	367-12-4	
2,4,6-Tribromophenol (S)	0	%	27-110	10	08/03/13 11:08	08/06/13 14:55	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	89.3	1		08/11/13 14:13	67-64-1	
Benzene	ND	ug/kg	4.5	1		08/11/13 14:13	71-43-2	
Bromobenzene	ND	ug/kg	4.5	1		08/11/13 14:13	108-86-1	
Bromochloromethane	ND	ug/kg	4.5	1		08/11/13 14:13	74-97-5	
Bromodichloromethane	ND	ug/kg	4.5	1		08/11/13 14:13	75-27-4	
Bromoform	ND	ug/kg	4.5	1		08/11/13 14:13	75-25-2	
Bromomethane	ND	ug/kg	8.9	1		08/11/13 14:13	74-83-9	
2-Butanone (MEK)	ND	ug/kg	89.3	1		08/11/13 14:13	78-93-3	
n-Butylbenzene	ND	ug/kg	4.5	1		08/11/13 14:13	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.5	1		08/11/13 14:13	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.5	1		08/11/13 14:13	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.5	1		08/11/13 14:13	56-23-5	
Chlorobenzene	ND	ug/kg	4.5	1		08/11/13 14:13	108-90-7	
Chloroethane	ND	ug/kg	8.9	1		08/11/13 14:13	75-00-3	
Chloroform	ND	ug/kg	4.5	1		08/11/13 14:13	67-66-3	
Chloromethane	ND	ug/kg	8.9	1		08/11/13 14:13	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.5	1		08/11/13 14:13	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.5	1		08/11/13 14:13	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.5	1		08/11/13 14:13	96-12-8	
Dibromochloromethane	ND	ug/kg	4.5	1		08/11/13 14:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.5	1		08/11/13 14:13	106-93-4	
Dibromomethane	ND	ug/kg	4.5	1		08/11/13 14:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.5	1		08/11/13 14:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.5	1		08/11/13 14:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.5	1		08/11/13 14:13	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.9	1		08/11/13 14:13	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.5	1		08/11/13 14:13	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.5	1		08/11/13 14:13	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.5	1		08/11/13 14:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.5	1		08/11/13 14:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.5	1		08/11/13 14:13	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.5	1		08/11/13 14:13	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.5	1		08/11/13 14:13	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.5	1		08/11/13 14:13	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.5	1		08/11/13 14:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.5	1		08/11/13 14:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.5	1		08/11/13 14:13	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.5	1		08/11/13 14:13	108-20-3	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 2013-161 Carrboro
Pace Project No.: 92167380

Sample: W.O. UST-7' **Lab ID: 92167380001** Collected: 07/31/13 13:00 Received: 08/02/13 13:30 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							
Ethylbenzene	ND	ug/kg	4.5	1		08/11/13 14:13	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.5	1		08/11/13 14:13	87-68-3	
2-Hexanone	ND	ug/kg	44.7	1		08/11/13 14:13	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.5	1		08/11/13 14:13	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.5	1		08/11/13 14:13	99-87-6	
Methylene Chloride	ND	ug/kg	17.9	1		08/11/13 14:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	44.7	1		08/11/13 14:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.5	1		08/11/13 14:13	1634-04-4	
Naphthalene	ND	ug/kg	4.5	1		08/11/13 14:13	91-20-3	
n-Propylbenzene	ND	ug/kg	4.5	1		08/11/13 14:13	103-65-1	
Styrene	ND	ug/kg	4.5	1		08/11/13 14:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.5	1		08/11/13 14:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.5	1		08/11/13 14:13	79-34-5	
Tetrachloroethene	ND	ug/kg	4.5	1		08/11/13 14:13	127-18-4	
Toluene	ND	ug/kg	4.5	1		08/11/13 14:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.5	1		08/11/13 14:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.5	1		08/11/13 14:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.5	1		08/11/13 14:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.5	1		08/11/13 14:13	79-00-5	
Trichloroethene	ND	ug/kg	4.5	1		08/11/13 14:13	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.5	1		08/11/13 14:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.5	1		08/11/13 14:13	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.5	1		08/11/13 14:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.5	1		08/11/13 14:13	108-67-8	
Vinyl acetate	ND	ug/kg	44.7	1		08/11/13 14:13	108-05-4	
Vinyl chloride	ND	ug/kg	8.9	1		08/11/13 14:13	75-01-4	
Xylene (Total)	ND	ug/kg	8.9	1		08/11/13 14:13	1330-20-7	
m&p-Xylene	ND	ug/kg	8.9	1		08/11/13 14:13	179601-23-1	
o-Xylene	ND	ug/kg	4.5	1		08/11/13 14:13	95-47-6	
Surrogates								
Dibromofluoromethane (S)	101	%	70-130	1		08/11/13 14:13	1868-53-7	
Toluene-d8 (S)	102	%	70-130	1		08/11/13 14:13	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130	1		08/11/13 14:13	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-132	1		08/11/13 14:13	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**13.5**	%	0.10	1		08/06/13 15:16		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2013-161 Carrboro
Pace Project No.: 92167380

QC Batch: GCV/7167
QC Batch Method: MADEP VPH
Analysis Method: MADEP VPH
Analysis Description: VPH NC Soil
Associated Lab Samples: 92167380001

METHOD BLANK: 1023765
Matrix: Solid
Associated Lab Samples: 92167380001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aliphatic (C05-C08)	mg/kg	ND	2.5	08/07/13 10:22	N2
Aliphatic (C09-C12)	mg/kg	ND	2.5	08/07/13 10:22	N2
Aromatic (C09-C10)	mg/kg	ND	2.5	08/07/13 10:22	N2
4-Bromofluorobenzene (FID) (S)	%	89	70-130	08/07/13 10:22	
4-Bromofluorobenzene (PID) (S)	%	81	70-130	08/07/13 10:22	

LABORATORY CONTROL SAMPLE & LCSD: 1023766 1023767

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	mg/kg	14.9	11.3	10.7	76	72	70-130	5	25	N2
Aliphatic (C09-C12)	mg/kg	14.9	13.4	12.7	90	86	30-130	5	25	N2
Aromatic (C09-C10)	mg/kg	5	4.4	4.1	89	84	70-130	6	25	N2
4-Bromofluorobenzene (FID) (S)	%				83	80	70-130			
4-Bromofluorobenzene (PID) (S)	%				90	85	70-130			

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

Pace Analytical
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2013-161 Carrboro
Pace Project No.: 92167380

QC Batch: MPRP/13917
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 92167380001

METHOD BLANK: 1022380
Matrix: Solid
Associated Lab Samples: 92167380001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium	mg/kg	ND	0.50	08/05/13 22:36	
Lead	mg/kg	ND	0.50	08/05/13 22:36	

LABORATORY CONTROL SAMPLE: 1022381

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium	mg/kg	50	45.8	92	80-120	
Lead	mg/kg	50	48.0	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1022382 1022383

Parameter	Units	92167056010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Chromium	mg/kg	5.5	61.2	73.1	60.9	75.5	91	96	75-125	21	R1
Lead	mg/kg	21.9	61.2	73.1	74.3	89.9	86	93	75-125	19	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2013-161 Carrboro
Pace Project No.: 92167380

QC Batch: MSV/23894
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92167380001

METHOD BLANK: 1026900
Matrix: Solid
Associated Lab Samples: 92167380001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.5	08/11/13 11:03	
1,1,1-Trichloroethane	ug/kg	ND	5.5	08/11/13 11:03	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.5	08/11/13 11:03	
1,1,2-Trichloroethane	ug/kg	ND	5.5	08/11/13 11:03	
1,1-Dichloroethane	ug/kg	ND	5.5	08/11/13 11:03	
1,1-Dichloroethene	ug/kg	ND	5.5	08/11/13 11:03	
1,1-Dichloropropene	ug/kg	ND	5.5	08/11/13 11:03	
1,2,3-Trichlorobenzene	ug/kg	ND	5.5	08/11/13 11:03	
1,2,3-Trichloropropane	ug/kg	ND	5.5	08/11/13 11:03	
1,2,4-Trichlorobenzene	ug/kg	ND	5.5	08/11/13 11:03	
1,2,4-Trimethylbenzene	ug/kg	ND	5.5	08/11/13 11:03	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.5	08/11/13 11:03	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.5	08/11/13 11:03	
1,2-Dichlorobenzene	ug/kg	ND	5.5	08/11/13 11:03	
1,2-Dichloroethane	ug/kg	ND	5.5	08/11/13 11:03	
1,2-Dichloropropane	ug/kg	ND	5.5	08/11/13 11:03	
1,3,5-Trimethylbenzene	ug/kg	ND	5.5	08/11/13 11:03	
1,3-Dichlorobenzene	ug/kg	ND	5.5	08/11/13 11:03	
1,3-Dichloropropane	ug/kg	ND	5.5	08/11/13 11:03	
1,4-Dichlorobenzene	ug/kg	ND	5.5	08/11/13 11:03	
2,2-Dichloropropane	ug/kg	ND	5.5	08/11/13 11:03	
2-Butanone (MEK)	ug/kg	ND	110	08/11/13 11:03	
2-Chlorotoluene	ug/kg	ND	5.5	08/11/13 11:03	
2-Hexanone	ug/kg	ND	55.2	08/11/13 11:03	
4-Chlorotoluene	ug/kg	ND	5.5	08/11/13 11:03	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	55.2	08/11/13 11:03	
Acetone	ug/kg	ND	110	08/11/13 11:03	
Benzene	ug/kg	ND	5.5	08/11/13 11:03	
Bromobenzene	ug/kg	ND	5.5	08/11/13 11:03	
Bromochloromethane	ug/kg	ND	5.5	08/11/13 11:03	
Bromodichloromethane	ug/kg	ND	5.5	08/11/13 11:03	
Bromoform	ug/kg	ND	5.5	08/11/13 11:03	
Bromomethane	ug/kg	ND	11.0	08/11/13 11:03	
Carbon tetrachloride	ug/kg	ND	5.5	08/11/13 11:03	
Chlorobenzene	ug/kg	ND	5.5	08/11/13 11:03	
Chloroethane	ug/kg	ND	11.0	08/11/13 11:03	
Chloroform	ug/kg	ND	5.5	08/11/13 11:03	
Chloromethane	ug/kg	ND	11.0	08/11/13 11:03	
cis-1,2-Dichloroethene	ug/kg	ND	5.5	08/11/13 11:03	
cis-1,3-Dichloropropene	ug/kg	ND	5.5	08/11/13 11:03	
Dibromochloromethane	ug/kg	ND	5.5	08/11/13 11:03	
Dibromomethane	ug/kg	ND	5.5	08/11/13 11:03	
Dichlorodifluoromethane	ug/kg	ND	11.0	08/11/13 11:03	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2013-161 Carrboro
Pace Project No.: 92167380

METHOD BLANK: 1026900 Matrix: Solid

Associated Lab Samples: 92167380001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	ND	5.5	08/11/13 11:03	
Ethylbenzene	ug/kg	ND	5.5	08/11/13 11:03	
Hexachloro-1,3-butadiene	ug/kg	ND	5.5	08/11/13 11:03	
Isopropylbenzene (Cumene)	ug/kg	ND	5.5	08/11/13 11:03	
m&p-Xylene	ug/kg	ND	11.0	08/11/13 11:03	
Methyl-tert-butyl ether	ug/kg	ND	5.5	08/11/13 11:03	
Methylene Chloride	ug/kg	ND	22.1	08/11/13 11:03	
n-Butylbenzene	ug/kg	ND	5.5	08/11/13 11:03	
n-Propylbenzene	ug/kg	ND	5.5	08/11/13 11:03	
Naphthalene	ug/kg	ND	5.5	08/11/13 11:03	
o-Xylene	ug/kg	ND	5.5	08/11/13 11:03	
p-Isopropyltoluene	ug/kg	ND	5.5	08/11/13 11:03	
sec-Butylbenzene	ug/kg	ND	5.5	08/11/13 11:03	
Styrene	ug/kg	ND	5.5	08/11/13 11:03	
tert-Butylbenzene	ug/kg	ND	5.5	08/11/13 11:03	
Tetrachloroethene	ug/kg	ND	5.5	08/11/13 11:03	
Toluene	ug/kg	ND	5.5	08/11/13 11:03	
trans-1,2-Dichloroethene	ug/kg	ND	5.5	08/11/13 11:03	
trans-1,3-Dichloropropene	ug/kg	ND	5.5	08/11/13 11:03	
Trichloroethene	ug/kg	ND	5.5	08/11/13 11:03	
Trichlorofluoromethane	ug/kg	ND	5.5	08/11/13 11:03	
Vinyl acetate	ug/kg	ND	55.2	08/11/13 11:03	
Vinyl chloride	ug/kg	ND	11.0	08/11/13 11:03	
Xylene (Total)	ug/kg	ND	11.0	08/11/13 11:03	
1,2-Dichloroethane-d4 (S)	%	87	70-132	08/11/13 11:03	
4-Bromofluorobenzene (S)	%	92	70-130	08/11/13 11:03	
Dibromofluoromethane (S)	%	94	70-130	08/11/13 11:03	
Toluene-d8 (S)	%	100	70-130	08/11/13 11:03	

LABORATORY CONTROL SAMPLE: 1026901

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	47.9	60.0	125	70-131	
1,1,1-Trichloroethane	ug/kg	47.9	54.3	113	70-141	
1,1,2,2-Tetrachloroethane	ug/kg	47.9	60.3	126	70-130	
1,1,2-Trichloroethane	ug/kg	47.9	59.9	125	70-132	
1,1-Dichloroethane	ug/kg	47.9	58.8	123	70-143	
1,1-Dichloroethene	ug/kg	47.9	55.3	116	70-137	
1,1-Dichloropropene	ug/kg	47.9	58.4	122	70-135	
1,2,3-Trichlorobenzene	ug/kg	47.9	61.3	128	69-153	
1,2,3-Trichloropropane	ug/kg	47.9	51.6	108	70-130	
1,2,4-Trichlorobenzene	ug/kg	47.9	62.1	130	55-171	
1,2,4-Trimethylbenzene	ug/kg	47.9	57.4	120	70-149	
1,2-Dibromo-3-chloropropane	ug/kg	47.9	56.1	117	68-141	
1,2-Dibromoethane (EDB)	ug/kg	47.9	58.7	123	70-130	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2013-161 Carrboro
Pace Project No.: 92167380

LABORATORY CONTROL SAMPLE: 1026901

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	47.9	60.6	127	70-140	
1,2-Dichloroethane	ug/kg	47.9	50.3	105	70-137	
1,2-Dichloropropane	ug/kg	47.9	60.3	126	70-133	
1,3,5-Trimethylbenzene	ug/kg	47.9	57.9	121	70-143	
1,3-Dichlorobenzene	ug/kg	47.9	60.0	125	70-144	
1,3-Dichloropropane	ug/kg	47.9	56.8	119	70-132	
1,4-Dichlorobenzene	ug/kg	47.9	59.8	125	70-142	
2,2-Dichloropropane	ug/kg	47.9	56.2	117	68-152	
2-Butanone (MEK)	ug/kg	95.8	119	124	70-149	
2-Chlorotoluene	ug/kg	47.9	61.4	128	70-141	
2-Hexanone	ug/kg	95.8	117	122	70-149	
4-Chlorotoluene	ug/kg	47.9	62.6	131	70-149	
4-Methyl-2-pentanone (MIBK)	ug/kg	95.8	116	121	70-153	
Acetone	ug/kg	95.8	119	125	70-157	
Benzene	ug/kg	47.9	60.8	127	70-130	
Bromobenzene	ug/kg	47.9	59.8	125	70-141	
Bromochloromethane	ug/kg	47.9	54.1	113	70-149	
Bromodichloromethane	ug/kg	47.9	52.4	109	70-130	
Bromoform	ug/kg	47.9	52.8	110	70-131	
Bromomethane	ug/kg	47.9	55.1	115	64-136	
Carbon tetrachloride	ug/kg	47.9	54.0	113	70-154	
Chlorobenzene	ug/kg	47.9	56.5	118	70-135	
Chloroethane	ug/kg	47.9	55.3	116	68-151	
Chloroform	ug/kg	47.9	56.6	118	70-130	
Chloromethane	ug/kg	47.9	46.4	97	70-132	
cis-1,2-Dichloroethene	ug/kg	47.9	58.0	121	70-140	
cis-1,3-Dichloropropene	ug/kg	47.9	52.4	109	70-137	
Dibromochloromethane	ug/kg	47.9	51.3	107	70-130	
Dibromomethane	ug/kg	47.9	56.1	117	70-136	
Dichlorodifluoromethane	ug/kg	47.9	24.9	52	36-148	F3
Diisopropyl ether	ug/kg	47.9	64.1	134	70-139	
Ethylbenzene	ug/kg	47.9	58.1	121	70-137	
Hexachloro-1,3-butadiene	ug/kg	47.9	60.6	126	70-145	
Isopropylbenzene (Cumene)	ug/kg	47.9	55.8	117	70-141	
m&p-Xylene	ug/kg	95.8	109	113	70-140	
Methyl-tert-butyl ether	ug/kg	47.9	57.1	119	45-150	
Methylene Chloride	ug/kg	47.9	54.5	114	70-133	
n-Butylbenzene	ug/kg	47.9	56.0	117	65-155	
n-Propylbenzene	ug/kg	47.9	55.8	117	70-148	
Naphthalene	ug/kg	47.9	63.9	133	70-148	
o-Xylene	ug/kg	47.9	61.1	128	70-141	
p-Isopropyltoluene	ug/kg	47.9	54.5	114	70-148	
sec-Butylbenzene	ug/kg	47.9	55.8	116	70-145	
Styrene	ug/kg	47.9	60.6	127	70-138	
tert-Butylbenzene	ug/kg	47.9	55.7	116	70-143	
Tetrachloroethene	ug/kg	47.9	56.6	118	70-140	
Toluene	ug/kg	47.9	58.2	122	70-130	
trans-1,2-Dichloroethene	ug/kg	47.9	59.0	123	70-136	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2013-161 Carrboro
Pace Project No.: 92167380

LABORATORY CONTROL SAMPLE: 1026901

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/kg	47.9	50.0	104	70-138	
Trichloroethene	ug/kg	47.9	55.1	115	70-132	
Trichlorofluoromethane	ug/kg	47.9	46.8	98	69-134	
Vinyl acetate	ug/kg	95.8	121	126	24-161	
Vinyl chloride	ug/kg	47.9	44.0	92	55-140	
Xylene (Total)	ug/kg	144	170	118	70-141	
1,2-Dichloroethane-d4 (S)	%			95	70-132	
4-Bromofluorobenzene (S)	%			97	70-130	
Dibromofluoromethane (S)	%			100	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 1026973

Parameter	Units	92168184001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/kg	ND	46.2	32.5	71	49-180	
Benzene	ug/kg	ND	46.2	35.4	77	50-166	
Chlorobenzene	ug/kg	ND	46.2	35.3	76	43-169	
Toluene	ug/kg	ND	46.2	34.8	75	52-163	
Trichloroethene	ug/kg	ND	46.2	35.4	77	49-167	
1,2-Dichloroethane-d4 (S)	%				90	70-132	
4-Bromofluorobenzene (S)	%				91	70-130	
Dibromofluoromethane (S)	%				94	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 1026972

Parameter	Units	92167982004 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		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2013-161 Carrboro
Pace Project No.: 92167380

SAMPLE DUPLICATE: 1026972

Parameter	Units	92167982004 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	4.8J		
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	55.3J		
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		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2013-161 Carrboro
Pace Project No.: 92167380

SAMPLE DUPLICATE: 1026972

Parameter	Units	92167982004 Result	Dup Result	RPD	Qualifiers
Xylene (Total)	ug/kg	ND	ND		
1,2-Dichloroethane-d4 (S)	%	87	89	4	
4-Bromofluorobenzene (S)	%	93	86	6	
Dibromofluoromethane (S)	%	93	94	2	
Toluene-d8 (S)	%	101	101	0	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2013-161 Carrboro
Pace Project No.: 92167380

QC Batch: OEXT/23278
QC Batch Method: EPA 3546
Analysis Method: EPA 8270
Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 92167380001

METHOD BLANK: 1022311
Matrix: Solid
Associated Lab Samples: 92167380001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	330	08/06/13 14:01	
1,2-Dichlorobenzene	ug/kg	ND	330	08/06/13 14:01	
1,3-Dichlorobenzene	ug/kg	ND	330	08/06/13 14:01	
1,4-Dichlorobenzene	ug/kg	ND	330	08/06/13 14:01	
1-Methylnaphthalene	ug/kg	ND	330	08/06/13 14:01	
2,4,5-Trichlorophenol	ug/kg	ND	330	08/06/13 14:01	
2,4,6-Trichlorophenol	ug/kg	ND	330	08/06/13 14:01	
2,4-Dichlorophenol	ug/kg	ND	330	08/06/13 14:01	
2,4-Dimethylphenol	ug/kg	ND	330	08/06/13 14:01	
2,4-Dinitrophenol	ug/kg	ND	1650	08/06/13 14:01	
2,4-Dinitrotoluene	ug/kg	ND	330	08/06/13 14:01	
2,6-Dinitrotoluene	ug/kg	ND	330	08/06/13 14:01	
2-Chloronaphthalene	ug/kg	ND	330	08/06/13 14:01	
2-Chlorophenol	ug/kg	ND	330	08/06/13 14:01	
2-Methylnaphthalene	ug/kg	ND	330	08/06/13 14:01	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	08/06/13 14:01	
2-Nitroaniline	ug/kg	ND	1650	08/06/13 14:01	
2-Nitrophenol	ug/kg	ND	330	08/06/13 14:01	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	330	08/06/13 14:01	
3,3'-Dichlorobenzidine	ug/kg	ND	1650	08/06/13 14:01	
3-Nitroaniline	ug/kg	ND	1650	08/06/13 14:01	
4,6-Dinitro-2-methylphenol	ug/kg	ND	660	08/06/13 14:01	
4-Bromophenylphenyl ether	ug/kg	ND	330	08/06/13 14:01	
4-Chloro-3-methylphenol	ug/kg	ND	660	08/06/13 14:01	
4-Chloroaniline	ug/kg	ND	1650	08/06/13 14:01	
4-Chlorophenylphenyl ether	ug/kg	ND	330	08/06/13 14:01	
4-Nitroaniline	ug/kg	ND	660	08/06/13 14:01	
4-Nitrophenol	ug/kg	ND	1650	08/06/13 14:01	
Acenaphthene	ug/kg	ND	330	08/06/13 14:01	
Acenaphthylene	ug/kg	ND	330	08/06/13 14:01	
Aniline	ug/kg	ND	330	08/06/13 14:01	
Anthracene	ug/kg	ND	330	08/06/13 14:01	
Benzo(a)anthracene	ug/kg	ND	330	08/06/13 14:01	
Benzo(a)pyrene	ug/kg	ND	330	08/06/13 14:01	
Benzo(b)fluoranthene	ug/kg	ND	330	08/06/13 14:01	
Benzo(g,h,i)perylene	ug/kg	ND	330	08/06/13 14:01	
Benzo(k)fluoranthene	ug/kg	ND	330	08/06/13 14:01	
Benzoic Acid	ug/kg	ND	1650	08/06/13 14:01	
Benzyl alcohol	ug/kg	ND	660	08/06/13 14:01	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	08/06/13 14:01	
bis(2-Chloroethyl) ether	ug/kg	ND	330	08/06/13 14:01	
bis(2-Chloroisopropyl) ether	ug/kg	ND	330	08/06/13 14:01	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	08/06/13 14:01	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2013-161 Carrboro
Pace Project No.: 92167380

METHOD BLANK: 1022311 Matrix: Solid

Associated Lab Samples: 92167380001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/kg	ND	330	08/06/13 14:01	
Chrysene	ug/kg	ND	330	08/06/13 14:01	
Di-n-butylphthalate	ug/kg	ND	330	08/06/13 14:01	
Di-n-octylphthalate	ug/kg	ND	330	08/06/13 14:01	
Dibenz(a,h)anthracene	ug/kg	ND	330	08/06/13 14:01	
Dibenzofuran	ug/kg	ND	330	08/06/13 14:01	
Diethylphthalate	ug/kg	ND	330	08/06/13 14:01	
Dimethylphthalate	ug/kg	ND	330	08/06/13 14:01	
Fluoranthene	ug/kg	ND	330	08/06/13 14:01	
Fluorene	ug/kg	ND	330	08/06/13 14:01	
Hexachloro-1,3-butadiene	ug/kg	ND	330	08/06/13 14:01	
Hexachlorobenzene	ug/kg	ND	330	08/06/13 14:01	
Hexachlorocyclopentadiene	ug/kg	ND	330	08/06/13 14:01	
Hexachloroethane	ug/kg	ND	330	08/06/13 14:01	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	08/06/13 14:01	
Isophorone	ug/kg	ND	330	08/06/13 14:01	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	08/06/13 14:01	
N-Nitrosodimethylamine	ug/kg	ND	330	08/06/13 14:01	
N-Nitrosodiphenylamine	ug/kg	ND	330	08/06/13 14:01	
Naphthalene	ug/kg	ND	330	08/06/13 14:01	
Nitrobenzene	ug/kg	ND	330	08/06/13 14:01	
Pentachlorophenol	ug/kg	ND	1650	08/06/13 14:01	
Phenanthrene	ug/kg	ND	330	08/06/13 14:01	
Phenol	ug/kg	ND	330	08/06/13 14:01	
Pyrene	ug/kg	ND	330	08/06/13 14:01	
2,4,6-Tribromophenol (S)	%	72	27-110	08/06/13 14:01	
2-Fluorobiphenyl (S)	%	77	30-110	08/06/13 14:01	
2-Fluorophenol (S)	%	80	13-110	08/06/13 14:01	
Nitrobenzene-d5 (S)	%	85	23-110	08/06/13 14:01	
Phenol-d6 (S)	%	94	22-110	08/06/13 14:01	
Terphenyl-d14 (S)	%	83	28-110	08/06/13 14:01	

LABORATORY CONTROL SAMPLE: 1022312

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1420	85	39-101	
1,2-Dichlorobenzene	ug/kg	1670	1430	86	36-110	
1,3-Dichlorobenzene	ug/kg	1670	1400	84	35-110	
1,4-Dichlorobenzene	ug/kg	1670	1390	83	35-110	
1-Methylnaphthalene	ug/kg	1670	1560	94	45-105	
2,4,5-Trichlorophenol	ug/kg	1670	1190	71	48-109	
2,4,6-Trichlorophenol	ug/kg	1670	1270	76	45-111	
2,4-Dichlorophenol	ug/kg	1670	1330	80	51-116	
2,4-Dimethylphenol	ug/kg	1670	1450	87	42-103	
2,4-Dinitrophenol	ug/kg	8330	6130	74	28-103	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2013-161 Carrboro
Pace Project No.: 92167380

LABORATORY CONTROL SAMPLE: 1022312

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/kg	1670	1580	95	46-114	
2,6-Dinitrotoluene	ug/kg	1670	1470	88	48-112	
2-Chloronaphthalene	ug/kg	1670	1340	80	44-105	
2-Chlorophenol	ug/kg	1670	1360	82	36-110	
2-Methylnaphthalene	ug/kg	1670	1360	82	39-112	
2-Methylphenol(o-Cresol)	ug/kg	1670	1480	89	39-101	
2-Nitroaniline	ug/kg	3330	2980	89	44-111	
2-Nitrophenol	ug/kg	1670	1310	79	41-100	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1500	90	43-103	
3,3'-Dichlorobenzidine	ug/kg	3330	2130	64	10-150	
3-Nitroaniline	ug/kg	3330	2540	76	35-110	
4,6-Dinitro-2-methylphenol	ug/kg	3330	2590	78	38-118	
4-Bromophenylphenyl ether	ug/kg	1670	1110	67	47-115	
4-Chloro-3-methylphenol	ug/kg	3330	3140	94	43-127	
4-Chloroaniline	ug/kg	3330	2550	76	34-109	
4-Chlorophenylphenyl ether	ug/kg	1670	1150	69	44-115	
4-Nitroaniline	ug/kg	3330	3030	91	37-111	
4-Nitrophenol	ug/kg	8330	8140	98	21-152	
Acenaphthene	ug/kg	1670	1390	83	38-117	
Acenaphthylene	ug/kg	1670	1380	83	46-107	
Aniline	ug/kg	1670	1230	74	29-110	
Anthracene	ug/kg	1670	1560	94	50-110	
Benzo(a)anthracene	ug/kg	1670	1430	86	47-116	
Benzo(a)pyrene	ug/kg	1670	1370	82	47-106	
Benzo(b)fluoranthene	ug/kg	1670	1370	82	47-109	
Benzo(g,h,i)perylene	ug/kg	1670	1340	81	39-115	
Benzo(k)fluoranthene	ug/kg	1670	1390	84	45-117	
Benzoic Acid	ug/kg	8330	5700	68	16-110	
Benzyl alcohol	ug/kg	3330	2610	78	38-105	
bis(2-Chloroethoxy)methane	ug/kg	1670	1060	63	39-110	
bis(2-Chloroethyl) ether	ug/kg	1670	1150	69	19-119	
bis(2-Chloroisopropyl) ether	ug/kg	1670	1070	64	21-110	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1470	88	35-116	
Butylbenzylphthalate	ug/kg	1670	1450	87	38-110	
Chrysene	ug/kg	1670	1510	91	49-110	
Di-n-butylphthalate	ug/kg	1670	1540	92	43-109	
Di-n-octylphthalate	ug/kg	1670	1600	96	37-109	
Dibenz(a,h)anthracene	ug/kg	1670	1440	86	43-116	
Dibenzofuran	ug/kg	1670	1220	73	45-106	
Diethylphthalate	ug/kg	1670	1480	89	41-114	
Dimethylphthalate	ug/kg	1670	1450	87	43-110	
Fluoranthene	ug/kg	1670	1750	105	50-114	
Fluorene	ug/kg	1670	1490	89	46-114	
Hexachloro-1,3-butadiene	ug/kg	1670	1420	85	28-111	
Hexachlorobenzene	ug/kg	1670	1280	77	46-120	
Hexachlorocyclopentadiene	ug/kg	1670	1170	70	18-119	
Hexachloroethane	ug/kg	1670	1420	85	33-110	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1360	82	42-115	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2013-161 Carrboro
Pace Project No.: 92167380

LABORATORY CONTROL SAMPLE: 1022312

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Isophorone	ug/kg	1670	1500	90	44-109	
N-Nitroso-di-n-propylamine	ug/kg	1670	1420	85	43-104	
N-Nitrosodimethylamine	ug/kg	1670	1230	74	29-110	
N-Nitrosodiphenylamine	ug/kg	1670	1240	74	48-113	
Naphthalene	ug/kg	1670	1460	88	41-110	
Nitrobenzene	ug/kg	1670	1420	85	38-110	
Pentachlorophenol	ug/kg	3330	2370	71	32-128	
Phenanthrene	ug/kg	1670	1520	91	50-110	
Phenol	ug/kg	1670	1430	86	28-106	
Pyrene	ug/kg	1670	1380	83	45-114	
2,4,6-Tribromophenol (S)	%			76	27-110	
2-Fluorobiphenyl (S)	%			80	30-110	
2-Fluorophenol (S)	%			83	13-110	
Nitrobenzene-d5 (S)	%			86	23-110	
Phenol-d6 (S)	%			95	22-110	
Terphenyl-d14 (S)	%			79	28-110	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2013-161 Carrboro
Pace Project No.: 92167380

QC Batch: OEXT/23312
Analysis Method: MADEP EPH
QC Batch Method: MADEP EPH
Analysis Description: MADEP EPH NC Soil
Associated Lab Samples: 92167380001

METHOD BLANK: 1023145
Matrix: Solid
Associated Lab Samples: 92167380001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aliphatic (C09-C18)	mg/kg	ND	10.0	08/07/13 16:14	N2
Aliphatic (C19-C36)	mg/kg	ND	10.0	08/07/13 16:14	N2
Aromatic (C11-C22)	mg/kg	ND	10.0	08/07/13 16:14	N2
2-Bromonaphthalene (S)	%	101	40-140	08/07/13 16:14	
2-Fluorobiphenyl (S)	%	84	40-140	08/07/13 16:14	
Nonatriacontane (S)	%	79	40-140	08/07/13 16:14	
o-Terphenyl (S)	%	75	40-140	08/07/13 16:14	

LABORATORY CONTROL SAMPLE & LCSD: 1023146 1023147

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C09-C18)	mg/kg	10	ND	ND	70	81	40-140		50	N2
Aliphatic (C19-C36)	mg/kg	13.3	ND	11.9	73	89	40-140		50	N2
Aromatic (C11-C22)	mg/kg	28.3	21.7	22.6	77	80	40-140	4	50	N2
2-Bromonaphthalene (S)	%				93	97	40-140			
2-Fluorobiphenyl (S)	%				83	90	40-140			
Nonatriacontane (S)	%				79	94	40-140			
o-Terphenyl (S)	%				86	96	40-140			

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2013-161 Carrboro
Pace Project No.: 92167380

QC Batch: PMST/5724
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92167380001

SAMPLE DUPLICATE: 1022935

Parameter	Units	92167413001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	9.3	9.3	0	

SAMPLE DUPLICATE: 1022936

Parameter	Units	92167380001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	13.5	13.2	2	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: 2013-161 Carrboro
Pace Project No.: 92167380

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.

PRL - Pace Reporting Limit.

RL - Reporting 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.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

TNI - The NELAC Institute.

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
F3	The recovery of the second source standard used to verify the initial calibration curve for this analyte is outside the laboratory's control limits. The result is estimated.
N2	The lab does not hold TNI accreditation for this parameter.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2013-161 Carrboro
Pace Project No.: 92167380

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92167380001	**W.O. UST-7'**	MADEP EPH	OEXT/23312	MADEP EPH	GCSV/15258
92167380001	**W.O. UST-7'**	MADEP VPH	GCV/7167	MADEP VPH	GCV/7169
92167380001	**W.O. UST-7'**	EPA 3050	MPRP/13917	EPA 6010	ICP/12670
92167380001	**W.O. UST-7'**	EPA 3546	OEXT/23278	EPA 8270	MSSV/8035
92167380001	**W.O. UST-7'**	EPA 8260	MSV/23894		
92167380001	**W.O. UST-7'**	ASTM D2974-87	PMST/5724		

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

Pace Analytical	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: June 12, 2013 Page 1 of 2
	Document Number: **F-CHR-CS-03-rev.11**	Issuing Authority: Pace Huntersville Quality Office

Client Name: Pyramid

Where Received: ☒ Huntersville ☐ Asheville ☐ Eden ☐ Raleigh

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other_____

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

Optional
Proj. Due Date:
Proj. Name:

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other_____

Thermometer Used: IR Gun T1102 T1301 **Type of Ice:** Wet Blue None ☒ Samples on ice, cooling process has begun

Temp Correction Factor **T1102**: No Correction **T1301**: No Correction

Corrected Cooler Temp.: 2.4 C **Biological Tissue is Frozen:** Yes No N/A

Date and Initials of person examining contents: JMB 08/02/13

Temp should be above freezing to 6°C

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review:	JB	**Date:**	8/2/13
SRF Review:	JB	**Date:**	8/2/13

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)

WO# : 92167380

92167380

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1450007

Section A Required Client Information:
Company: Pyramid Enviro
Address: 503 Industrial Drive, Greensboro, NC
Email To:
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:
Report To: PYRAMID
Copy To:
Purchase Order No.:
Project Name: 2013-161
Project Number: Carrboro

Section C Invoice Information:
Attention: Mike Jones
Company Name: Pyramid
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 2982-1

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☑ UST ☐ RCRA ☐ OTHER

Site Location STATE: NC

Requested Analysis Filtered (Y/N)

92167380

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) VPH	EPH	8260	8270	Cr + Pb metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW. UST - 21	SL	G	7/31	13		13:00		9	2					3	4		X	X	X	X			001
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

TRUST FUND RATES

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
OILY sample	Michael Jones	8/01/13	0900	Pace	8/2/13	1155				
	Pace	8/2/13	1330	Pace	8/2/13	1330	2.4	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: MICHAEL JONES
SIGNATURE of SAMPLER: Michael Jones DATE Signed (MM/DD/YY): 08/01/13

*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.

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

August 21, 2013

Mr. Mike Jones
Pyramid Environmental
P.O. Box 16265
503 Industrial Avenue
Greensboro, NC 27416

RE: Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

Dear Mr. Jones:
Enclosed are the analytical results for sample(s) received by the laboratory on August 01, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted 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 Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

Asheville Certification IDs
2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
West Virginia Certification #: 356
Virginia/VELAP Certification #: 460222

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92167281001	**W.O. EAST 7'**	MADEP EPH	EJK	7	PASI-C
		MADEP VPH	GAW	5	PASI-C
		EPA 6010	JMW	2	PASI-A
		EPA 8270	RES	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	JEA	1	PASI-C
92167281002	**W.O. SOUTH 8'**	MADEP EPH	EJK	7	PASI-C
		MADEP VPH	GAW	5	PASI-C
		EPA 6010	JMW	2	PASI-A
		EPA 8270	RES	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	JEA	1	PASI-C
92167281003	**W.O. CENTER 9.5'**	MADEP EPH	EJK	7	PASI-C
		MADEP VPH	GAW	5	PASI-C
		EPA 6010	JMW	2	PASI-A
		EPA 8270	RES	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	JEA	1	PASI-C
92167281004	**W.O. WEST 8'**	MADEP EPH	EJK	7	PASI-C
		MADEP VPH	GAW	5	PASI-C
		EPA 6010	JMW	2	PASI-A
		EPA 8270	RES	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	JEA	1	PASI-C
92167281005	**W.O. NORTH 8'**	MADEP EPH	EJK	7	PASI-C
		MADEP VPH	GAW	5	PASI-C
		EPA 6010	JMW	2	PASI-A
		EPA 8270	RES	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	JEA	1	PASI-C
92167281006	**LIFT + W.O. AREA DS-5**	EPA 8015 Modified	EJK	2	PASI-C
		EPA 8015 Modified	GAW	2	PASI-C
		ASTM D2974-87	JEA	1	PASI-C

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

Sample: W.O. EAST 7' **Lab ID: 92167281001** Collected: 07/30/13 17:00 Received: 08/01/13 14:35 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)	ND	mg/kg	12.1	1	08/02/13 10:20	08/07/13 11:46		N2
Aliphatic (C19-C36)	ND	mg/kg	12.1	1	08/02/13 10:20	08/07/13 11:46		N2
Aromatic (C11-C22)	ND	mg/kg	12.1	1	08/02/13 10:20	08/07/13 11:46		N2
Surrogates								
Nonatriacontane (S)	74	%	40-140	1	08/02/13 10:20	08/07/13 11:46	7194-86-7	
o-Terphenyl (S)	68	%	40-140	1	08/02/13 10:20	08/07/13 11:46	84-15-1	
2-Fluorobiphenyl (S)	91	%	40-140	1	08/02/13 10:20	08/07/13 11:46	321-60-8	
2-Bromonaphthalene (S)	109	%	40-140	1	08/02/13 10:20	08/07/13 11:46	580-13-2	
VPH NC Soil	Analytical Method: MADEP VPH Preparation Method: MADEP VPH							
Aliphatic (C05-C08)	ND	mg/kg	2.8	1	08/02/13 11:45	08/02/13 17:00		N2
Aliphatic (C09-C12)	ND	mg/kg	2.8	1	08/02/13 11:45	08/02/13 17:00		N2
Aromatic (C09-C10)	ND	mg/kg	2.8	1	08/02/13 11:45	08/02/13 17:00		N2
Surrogates								
4-Bromofluorobenzene (FID) (S)	84	%	70-130	1	08/02/13 11:45	08/02/13 17:00	460-00-4	
4-Bromofluorobenzene (PID) (S)	77	%	70-130	1	08/02/13 11:45	08/02/13 17:00	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Chromium	**29.6**	mg/kg	0.45	1	08/06/13 15:45	08/07/13 15:57	7440-47-3	
Lead	**2.9**	mg/kg	0.45	1	08/06/13 15:45	08/07/13 15:57	7439-92-1	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	83-32-9	
Acenaphthylene	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	208-96-8	
Aniline	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	62-53-3	
Anthracene	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	120-12-7	
Benzo(a)anthracene	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	56-55-3	
Benzo(a)pyrene	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	207-08-9	
Benzoic Acid	ND	ug/kg	2000	1	08/02/13 10:50	08/05/13 21:34	65-85-0	
Benzyl alcohol	ND	ug/kg	800	1	08/02/13 10:50	08/05/13 21:34	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	101-55-3	
Butylbenzylphthalate	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	800	1	08/02/13 10:50	08/05/13 21:34	59-50-7	
4-Chloroaniline	ND	ug/kg	2000	1	08/02/13 10:50	08/05/13 21:34	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	108-60-1	
2-Chloronaphthalene	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	91-58-7	
2-Chlorophenol	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	7005-72-3	
Chrysene	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	53-70-3	
Dibenzofuran	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	132-64-9	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

Sample: W.O. EAST 7' **Lab ID: 92167281001** Collected: 07/30/13 17:00 Received: 08/01/13 14:35 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							
1,2-Dichlorobenzene	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2000	1	08/02/13 10:50	08/05/13 21:34	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	120-83-2	
Diethylphthalate	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	105-67-9	
Dimethylphthalate	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	131-11-3	
Di-n-butylphthalate	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	800	1	08/02/13 10:50	08/05/13 21:34	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2000	1	08/02/13 10:50	08/05/13 21:34	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	606-20-2	
Di-n-octylphthalate	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	117-81-7	
Fluoranthene	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	206-44-0	
Fluorene	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	87-68-3	
Hexachlorobenzene	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	77-47-4	
Hexachloroethane	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	193-39-5	
Isophorone	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	78-59-1	
1-Methylnaphthalene	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	90-12-0	
2-Methylnaphthalene	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34		
Naphthalene	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	91-20-3	
2-Nitroaniline	ND	ug/kg	2000	1	08/02/13 10:50	08/05/13 21:34	88-74-4	
3-Nitroaniline	ND	ug/kg	2000	1	08/02/13 10:50	08/05/13 21:34	99-09-2	
4-Nitroaniline	ND	ug/kg	800	1	08/02/13 10:50	08/05/13 21:34	100-01-6	
Nitrobenzene	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	98-95-3	
2-Nitrophenol	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	88-75-5	
4-Nitrophenol	ND	ug/kg	2000	1	08/02/13 10:50	08/05/13 21:34	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	86-30-6	
Pentachlorophenol	ND	ug/kg	2000	1	08/02/13 10:50	08/05/13 21:34	87-86-5	
Phenanthrene	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	85-01-8	
Phenol	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	108-95-2	
Pyrene	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	400	1	08/02/13 10:50	08/05/13 21:34	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	58	%	23-110	1	08/02/13 10:50	08/05/13 21:34	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

Sample: W.O. EAST 7' **Lab ID: 92167281001** Collected: 07/30/13 17:00 Received: 08/01/13 14:35 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							
Surrogates								
2-Fluorobiphenyl (S)	70	%	30-110	1	08/02/13 10:50	08/05/13 21:34	321-60-8	
Terphenyl-d14 (S)	68	%	28-110	1	08/02/13 10:50	08/05/13 21:34	1718-51-0	
Phenol-d6 (S)	73	%	22-110	1	08/02/13 10:50	08/05/13 21:34	13127-88-3	
2-Fluorophenol (S)	72	%	13-110	1	08/02/13 10:50	08/05/13 21:34	367-12-4	
2,4,6-Tribromophenol (S)	72	%	27-110	1	08/02/13 10:50	08/05/13 21:34	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	104	1		08/09/13 19:19	67-64-1	
Benzene	ND	ug/kg	5.2	1		08/09/13 19:19	71-43-2	
Bromobenzene	ND	ug/kg	5.2	1		08/09/13 19:19	108-86-1	
Bromochloromethane	ND	ug/kg	5.2	1		08/09/13 19:19	74-97-5	
Bromodichloromethane	ND	ug/kg	5.2	1		08/09/13 19:19	75-27-4	
Bromoform	ND	ug/kg	5.2	1		08/09/13 19:19	75-25-2	
Bromomethane	ND	ug/kg	10.4	1		08/09/13 19:19	74-83-9	
2-Butanone (MEK)	ND	ug/kg	104	1		08/09/13 19:19	78-93-3	
n-Butylbenzene	ND	ug/kg	5.2	1		08/09/13 19:19	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.2	1		08/09/13 19:19	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.2	1		08/09/13 19:19	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.2	1		08/09/13 19:19	56-23-5	
Chlorobenzene	ND	ug/kg	5.2	1		08/09/13 19:19	108-90-7	
Chloroethane	ND	ug/kg	10.4	1		08/09/13 19:19	75-00-3	
Chloroform	ND	ug/kg	5.2	1		08/09/13 19:19	67-66-3	
Chloromethane	ND	ug/kg	10.4	1		08/09/13 19:19	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.2	1		08/09/13 19:19	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.2	1		08/09/13 19:19	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.2	1		08/09/13 19:19	96-12-8	
Dibromochloromethane	ND	ug/kg	5.2	1		08/09/13 19:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.2	1		08/09/13 19:19	106-93-4	
Dibromomethane	ND	ug/kg	5.2	1		08/09/13 19:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.2	1		08/09/13 19:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.2	1		08/09/13 19:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.2	1		08/09/13 19:19	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.4	1		08/09/13 19:19	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.2	1		08/09/13 19:19	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.2	1		08/09/13 19:19	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.2	1		08/09/13 19:19	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.2	1		08/09/13 19:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.2	1		08/09/13 19:19	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.2	1		08/09/13 19:19	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.2	1		08/09/13 19:19	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.2	1		08/09/13 19:19	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.2	1		08/09/13 19:19	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.2	1		08/09/13 19:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.2	1		08/09/13 19:19	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.2	1		08/09/13 19:19	108-20-3	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

Sample: W.O. EAST 7' **Lab ID: 92167281001** Collected: 07/30/13 17:00 Received: 08/01/13 14:35 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							
Ethylbenzene	ND	ug/kg	5.2	1		08/09/13 19:19	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.2	1		08/09/13 19:19	87-68-3	
2-Hexanone	ND	ug/kg	51.9	1		08/09/13 19:19	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.2	1		08/09/13 19:19	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.2	1		08/09/13 19:19	99-87-6	
Methylene Chloride	ND	ug/kg	20.8	1		08/09/13 19:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	51.9	1		08/09/13 19:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.2	1		08/09/13 19:19	1634-04-4	
Naphthalene	ND	ug/kg	5.2	1		08/09/13 19:19	91-20-3	
n-Propylbenzene	ND	ug/kg	5.2	1		08/09/13 19:19	103-65-1	
Styrene	ND	ug/kg	5.2	1		08/09/13 19:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.2	1		08/09/13 19:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.2	1		08/09/13 19:19	79-34-5	
Tetrachloroethene	ND	ug/kg	5.2	1		08/09/13 19:19	127-18-4	
Toluene	ND	ug/kg	5.2	1		08/09/13 19:19	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.2	1		08/09/13 19:19	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.2	1		08/09/13 19:19	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.2	1		08/09/13 19:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.2	1		08/09/13 19:19	79-00-5	
Trichloroethene	ND	ug/kg	5.2	1		08/09/13 19:19	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.2	1		08/09/13 19:19	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.2	1		08/09/13 19:19	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.2	1		08/09/13 19:19	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.2	1		08/09/13 19:19	108-67-8	
Vinyl acetate	ND	ug/kg	51.9	1		08/09/13 19:19	108-05-4	
Vinyl chloride	ND	ug/kg	10.4	1		08/09/13 19:19	75-01-4	
Xylene (Total)	ND	ug/kg	10.4	1		08/09/13 19:19	1330-20-7	
m&p-Xylene	ND	ug/kg	10.4	1		08/09/13 19:19	179601-23-1	
o-Xylene	ND	ug/kg	5.2	1		08/09/13 19:19	95-47-6	
Surrogates								
Dibromofluoromethane (S)	109	%	70-130	1		08/09/13 19:19	1868-53-7	
Toluene-d8 (S)	102	%	70-130	1		08/09/13 19:19	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130	1		08/09/13 19:19	460-00-4	
1,2-Dichloroethane-d4 (S)	115	%	70-132	1		08/09/13 19:19	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**17.5**	%	0.10	1		08/06/13 08:16		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

Sample: W.O. SOUTH 8' **Lab ID: 92167281002** Collected: 07/30/13 17:05 Received: 08/01/13 14:35 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)	ND	mg/kg	11.8	1	08/02/13 10:20	08/07/13 12:18		N2
Aliphatic (C19-C36)	ND	mg/kg	11.8	1	08/02/13 10:20	08/07/13 12:18		N2
Aromatic (C11-C22)	ND	mg/kg	11.8	1	08/02/13 10:20	08/07/13 12:18		N2
Surrogates								
Nonatriacontane (S)	78	%	40-140	1	08/02/13 10:20	08/07/13 12:18	7194-86-7	
o-Terphenyl (S)	84	%	40-140	1	08/02/13 10:20	08/07/13 12:18	84-15-1	
2-Fluorobiphenyl (S)	91	%	40-140	1	08/02/13 10:20	08/07/13 12:18	321-60-8	
2-Bromonaphthalene (S)	112	%	40-140	1	08/02/13 10:20	08/07/13 12:18	580-13-2	
VPH NC Soil	Analytical Method: MADEP VPH Preparation Method: MADEP VPH							
Aliphatic (C05-C08)	ND	mg/kg	2.8	1	08/02/13 11:45	08/02/13 17:23		N2
Aliphatic (C09-C12)	ND	mg/kg	2.8	1	08/02/13 11:45	08/02/13 17:23		N2
Aromatic (C09-C10)	ND	mg/kg	2.8	1	08/02/13 11:45	08/02/13 17:23		N2
Surrogates								
4-Bromofluorobenzene (FID) (S)	85	%	70-130	1	08/02/13 11:45	08/02/13 17:23	460-00-4	
4-Bromofluorobenzene (PID) (S)	75	%	70-130	1	08/02/13 11:45	08/02/13 17:23	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Chromium	**3.7**	mg/kg	0.45	1	08/06/13 15:45	08/07/13 16:01	7440-47-3	
Lead	**4.1**	mg/kg	0.45	1	08/06/13 15:45	08/07/13 16:01	7439-92-1	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	83-32-9	
Acenaphthylene	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	208-96-8	
Aniline	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	62-53-3	
Anthracene	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	120-12-7	
Benzo(a)anthracene	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	56-55-3	
Benzo(a)pyrene	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	207-08-9	
Benzoic Acid	ND	ug/kg	1950	1	08/02/13 10:50	08/05/13 22:06	65-85-0	
Benzyl alcohol	ND	ug/kg	778	1	08/02/13 10:50	08/05/13 22:06	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	101-55-3	
Butylbenzylphthalate	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	778	1	08/02/13 10:50	08/05/13 22:06	59-50-7	
4-Chloroaniline	ND	ug/kg	1950	1	08/02/13 10:50	08/05/13 22:06	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	108-60-1	
2-Chloronaphthalene	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	91-58-7	
2-Chlorophenol	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	7005-72-3	
Chrysene	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	53-70-3	
Dibenzofuran	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	132-64-9	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

Sample: W.O. SOUTH 8' **Lab ID: 92167281002** Collected: 07/30/13 17:05 Received: 08/01/13 14:35 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							
1,2-Dichlorobenzene	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1950	1	08/02/13 10:50	08/05/13 22:06	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	120-83-2	
Diethylphthalate	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	105-67-9	
Dimethylphthalate	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	131-11-3	
Di-n-butylphthalate	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	778	1	08/02/13 10:50	08/05/13 22:06	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1950	1	08/02/13 10:50	08/05/13 22:06	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	606-20-2	
Di-n-octylphthalate	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	117-81-7	
Fluoranthene	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	206-44-0	
Fluorene	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	87-68-3	
Hexachlorobenzene	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	77-47-4	
Hexachloroethane	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	193-39-5	
Isophorone	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	78-59-1	
1-Methylnaphthalene	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	90-12-0	
2-Methylnaphthalene	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06		
Naphthalene	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	91-20-3	
2-Nitroaniline	ND	ug/kg	1950	1	08/02/13 10:50	08/05/13 22:06	88-74-4	
3-Nitroaniline	ND	ug/kg	1950	1	08/02/13 10:50	08/05/13 22:06	99-09-2	
4-Nitroaniline	ND	ug/kg	778	1	08/02/13 10:50	08/05/13 22:06	100-01-6	
Nitrobenzene	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	98-95-3	
2-Nitrophenol	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	88-75-5	
4-Nitrophenol	ND	ug/kg	1950	1	08/02/13 10:50	08/05/13 22:06	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	86-30-6	
Pentachlorophenol	ND	ug/kg	1950	1	08/02/13 10:50	08/05/13 22:06	87-86-5	
Phenanthrene	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	85-01-8	
Phenol	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	108-95-2	
Pyrene	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	389	1	08/02/13 10:50	08/05/13 22:06	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	54	%	23-110	1	08/02/13 10:50	08/05/13 22:06	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

Sample: W.O. SOUTH 8' **Lab ID: 92167281002** Collected: 07/30/13 17:05 Received: 08/01/13 14:35 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							
Surrogates								
2-Fluorobiphenyl (S)	64	%	30-110	1	08/02/13 10:50	08/05/13 22:06	321-60-8	
Terphenyl-d14 (S)	74	%	28-110	1	08/02/13 10:50	08/05/13 22:06	1718-51-0	
Phenol-d6 (S)	61	%	22-110	1	08/02/13 10:50	08/05/13 22:06	13127-88-3	
2-Fluorophenol (S)	67	%	13-110	1	08/02/13 10:50	08/05/13 22:06	367-12-4	
2,4,6-Tribromophenol (S)	69	%	27-110	1	08/02/13 10:50	08/05/13 22:06	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	100	1		08/09/13 19:38	67-64-1	
Benzene	ND	ug/kg	5.0	1		08/09/13 19:38	71-43-2	
Bromobenzene	ND	ug/kg	5.0	1		08/09/13 19:38	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	1		08/09/13 19:38	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1		08/09/13 19:38	75-27-4	
Bromoform	ND	ug/kg	5.0	1		08/09/13 19:38	75-25-2	
Bromomethane	ND	ug/kg	10.0	1		08/09/13 19:38	74-83-9	
2-Butanone (MEK)	ND	ug/kg	100	1		08/09/13 19:38	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	1		08/09/13 19:38	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	1		08/09/13 19:38	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.0	1		08/09/13 19:38	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.0	1		08/09/13 19:38	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1		08/09/13 19:38	108-90-7	
Chloroethane	ND	ug/kg	10.0	1		08/09/13 19:38	75-00-3	
Chloroform	ND	ug/kg	5.0	1		08/09/13 19:38	67-66-3	
Chloromethane	ND	ug/kg	10.0	1		08/09/13 19:38	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	1		08/09/13 19:38	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	1		08/09/13 19:38	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0	1		08/09/13 19:38	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1		08/09/13 19:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1		08/09/13 19:38	106-93-4	
Dibromomethane	ND	ug/kg	5.0	1		08/09/13 19:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1		08/09/13 19:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	1		08/09/13 19:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1		08/09/13 19:38	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.0	1		08/09/13 19:38	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1		08/09/13 19:38	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	1		08/09/13 19:38	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1		08/09/13 19:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1		08/09/13 19:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1		08/09/13 19:38	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1		08/09/13 19:38	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1		08/09/13 19:38	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	1		08/09/13 19:38	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	1		08/09/13 19:38	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1		08/09/13 19:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1		08/09/13 19:38	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.0	1		08/09/13 19:38	108-20-3	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

Sample: W.O. SOUTH 8' **Lab ID: 92167281002** Collected: 07/30/13 17:05 Received: 08/01/13 14:35 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							
Ethylbenzene	ND	ug/kg	5.0	1		08/09/13 19:38	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	1		08/09/13 19:38	87-68-3	
2-Hexanone	ND	ug/kg	50.1	1		08/09/13 19:38	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1		08/09/13 19:38	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	1		08/09/13 19:38	99-87-6	
Methylene Chloride	ND	ug/kg	20.1	1		08/09/13 19:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	50.1	1		08/09/13 19:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1		08/09/13 19:38	1634-04-4	
Naphthalene	ND	ug/kg	5.0	1		08/09/13 19:38	91-20-3	
n-Propylbenzene	ND	ug/kg	5.0	1		08/09/13 19:38	103-65-1	
Styrene	ND	ug/kg	5.0	1		08/09/13 19:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1		08/09/13 19:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1		08/09/13 19:38	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1		08/09/13 19:38	127-18-4	
Toluene	ND	ug/kg	5.0	1		08/09/13 19:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	1		08/09/13 19:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1		08/09/13 19:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1		08/09/13 19:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	1		08/09/13 19:38	79-00-5	
Trichloroethene	ND	ug/kg	5.0	1		08/09/13 19:38	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	1		08/09/13 19:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1		08/09/13 19:38	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1		08/09/13 19:38	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1		08/09/13 19:38	108-67-8	
Vinyl acetate	ND	ug/kg	50.1	1		08/09/13 19:38	108-05-4	
Vinyl chloride	ND	ug/kg	10.0	1		08/09/13 19:38	75-01-4	
Xylene (Total)	ND	ug/kg	10.0	1		08/09/13 19:38	1330-20-7	
m&p-Xylene	ND	ug/kg	10.0	1		08/09/13 19:38	179601-23-1	
o-Xylene	ND	ug/kg	5.0	1		08/09/13 19:38	95-47-6	
Surrogates								
Dibromofluoromethane (S)	103	%	70-130	1		08/09/13 19:38	1868-53-7	
Toluene-d8 (S)	99	%	70-130	1		08/09/13 19:38	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130	1		08/09/13 19:38	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-132	1		08/09/13 19:38	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**15.2**	%	0.10	1		08/06/13 08:16		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

Sample: W.O. CENTER 9.5' **Lab ID: 92167281003** Collected: 07/30/13 17:10 Received: 08/01/13 14:35 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)	ND	mg/kg	11.7	1	08/02/13 10:20	08/07/13 12:50		N2
Aliphatic (C19-C36)	ND	mg/kg	11.7	1	08/02/13 10:20	08/07/13 12:50		N2
Aromatic (C11-C22)	ND	mg/kg	11.7	1	08/02/13 10:20	08/07/13 12:50		N2
Surrogates								
Nonatriacontane (S)	81	%	40-140	1	08/02/13 10:20	08/07/13 12:50	7194-86-7	
o-Terphenyl (S)	78	%	40-140	1	08/02/13 10:20	08/07/13 12:50	84-15-1	
2-Fluorobiphenyl (S)	90	%	40-140	1	08/02/13 10:20	08/07/13 12:50	321-60-8	
2-Bromonaphthalene (S)	112	%	40-140	1	08/02/13 10:20	08/07/13 12:50	580-13-2	
VPH NC Soil	Analytical Method: MADEP VPH Preparation Method: MADEP VPH							
Aliphatic (C05-C08)	ND	mg/kg	2.5	1	08/02/13 11:45	08/02/13 17:46		N2
Aliphatic (C09-C12)	ND	mg/kg	2.5	1	08/02/13 11:45	08/02/13 17:46		N2
Aromatic (C09-C10)	ND	mg/kg	2.5	1	08/02/13 11:45	08/02/13 17:46		N2
Surrogates								
4-Bromofluorobenzene (FID) (S)	87	%	70-130	1	08/02/13 11:45	08/02/13 17:46	460-00-4	
4-Bromofluorobenzene (PID) (S)	77	%	70-130	1	08/02/13 11:45	08/02/13 17:46	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Chromium	**53.8**	mg/kg	0.48	1	08/06/13 15:45	08/07/13 16:04	7440-47-3	
Lead	**2.8**	mg/kg	0.48	1	08/06/13 15:45	08/07/13 16:04	7439-92-1	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	83-32-9	
Acenaphthylene	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	208-96-8	
Aniline	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	62-53-3	
Anthracene	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	120-12-7	
Benzo(a)anthracene	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	56-55-3	
Benzo(a)pyrene	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	207-08-9	
Benzoic Acid	ND	ug/kg	1930	1	08/02/13 10:50	08/05/13 22:38	65-85-0	
Benzyl alcohol	ND	ug/kg	771	1	08/02/13 10:50	08/05/13 22:38	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	101-55-3	
Butylbenzylphthalate	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	771	1	08/02/13 10:50	08/05/13 22:38	59-50-7	
4-Chloroaniline	ND	ug/kg	1930	1	08/02/13 10:50	08/05/13 22:38	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	108-60-1	
2-Chloronaphthalene	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	91-58-7	
2-Chlorophenol	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	7005-72-3	
Chrysene	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	53-70-3	
Dibenzofuran	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	132-64-9	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

Sample: W.O. CENTER 9.5' **Lab ID: 92167281003** Collected: 07/30/13 17:10 Received: 08/01/13 14:35 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							
1,2-Dichlorobenzene	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1930	1	08/02/13 10:50	08/05/13 22:38	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	120-83-2	
Diethylphthalate	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	105-67-9	
Dimethylphthalate	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	131-11-3	
Di-n-butylphthalate	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	771	1	08/02/13 10:50	08/05/13 22:38	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1930	1	08/02/13 10:50	08/05/13 22:38	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	606-20-2	
Di-n-octylphthalate	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	117-81-7	
Fluoranthene	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	206-44-0	
Fluorene	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	87-68-3	
Hexachlorobenzene	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	77-47-4	
Hexachloroethane	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	193-39-5	
Isophorone	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	78-59-1	
1-Methylnaphthalene	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	90-12-0	
2-Methylnaphthalene	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38		
Naphthalene	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	91-20-3	
2-Nitroaniline	ND	ug/kg	1930	1	08/02/13 10:50	08/05/13 22:38	88-74-4	
3-Nitroaniline	ND	ug/kg	1930	1	08/02/13 10:50	08/05/13 22:38	99-09-2	
4-Nitroaniline	ND	ug/kg	771	1	08/02/13 10:50	08/05/13 22:38	100-01-6	
Nitrobenzene	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	98-95-3	
2-Nitrophenol	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	88-75-5	
4-Nitrophenol	ND	ug/kg	1930	1	08/02/13 10:50	08/05/13 22:38	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	86-30-6	
Pentachlorophenol	ND	ug/kg	1930	1	08/02/13 10:50	08/05/13 22:38	87-86-5	
Phenanthrene	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	85-01-8	
Phenol	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	108-95-2	
Pyrene	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	386	1	08/02/13 10:50	08/05/13 22:38	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	57	%	23-110	1	08/02/13 10:50	08/05/13 22:38	4165-60-0	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

Sample: W.O. CENTER 9.5' **Lab ID: 92167281003** Collected: 07/30/13 17:10 Received: 08/01/13 14:35 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							
Surrogates								
2-Fluorobiphenyl (S)	60	%	30-110	1	08/02/13 10:50	08/05/13 22:38	321-60-8	
Terphenyl-d14 (S)	66	%	28-110	1	08/02/13 10:50	08/05/13 22:38	1718-51-0	
Phenol-d6 (S)	68	%	22-110	1	08/02/13 10:50	08/05/13 22:38	13127-88-3	
2-Fluorophenol (S)	69	%	13-110	1	08/02/13 10:50	08/05/13 22:38	367-12-4	
2,4,6-Tribromophenol (S)	66	%	27-110	1	08/02/13 10:50	08/05/13 22:38	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	97.5	1		08/09/13 19:57	67-64-1	
Benzene	ND	ug/kg	4.9	1		08/09/13 19:57	71-43-2	
Bromobenzene	ND	ug/kg	4.9	1		08/09/13 19:57	108-86-1	
Bromochloromethane	ND	ug/kg	4.9	1		08/09/13 19:57	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1		08/09/13 19:57	75-27-4	
Bromoform	ND	ug/kg	4.9	1		08/09/13 19:57	75-25-2	
Bromomethane	ND	ug/kg	9.8	1		08/09/13 19:57	74-83-9	
2-Butanone (MEK)	ND	ug/kg	97.5	1		08/09/13 19:57	78-93-3	
n-Butylbenzene	ND	ug/kg	4.9	1		08/09/13 19:57	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.9	1		08/09/13 19:57	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.9	1		08/09/13 19:57	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.9	1		08/09/13 19:57	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1		08/09/13 19:57	108-90-7	
Chloroethane	ND	ug/kg	9.8	1		08/09/13 19:57	75-00-3	
Chloroform	ND	ug/kg	4.9	1		08/09/13 19:57	67-66-3	
Chloromethane	ND	ug/kg	9.8	1		08/09/13 19:57	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.9	1		08/09/13 19:57	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.9	1		08/09/13 19:57	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.9	1		08/09/13 19:57	96-12-8	
Dibromochloromethane	ND	ug/kg	4.9	1		08/09/13 19:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1		08/09/13 19:57	106-93-4	
Dibromomethane	ND	ug/kg	4.9	1		08/09/13 19:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1		08/09/13 19:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	1		08/09/13 19:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1		08/09/13 19:57	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.8	1		08/09/13 19:57	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1		08/09/13 19:57	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	1		08/09/13 19:57	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1		08/09/13 19:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1		08/09/13 19:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1		08/09/13 19:57	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1		08/09/13 19:57	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.9	1		08/09/13 19:57	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.9	1		08/09/13 19:57	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.9	1		08/09/13 19:57	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1		08/09/13 19:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1		08/09/13 19:57	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.9	1		08/09/13 19:57	108-20-3	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

Sample: W.O. CENTER 9.5' **Lab ID: 92167281003** Collected: 07/30/13 17:10 Received: 08/01/13 14:35 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							
Ethylbenzene	ND	ug/kg	4.9	1		08/09/13 19:57	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.9	1		08/09/13 19:57	87-68-3	
2-Hexanone	ND	ug/kg	48.8	1		08/09/13 19:57	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.9	1		08/09/13 19:57	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.9	1		08/09/13 19:57	99-87-6	
Methylene Chloride	ND	ug/kg	19.5	1		08/09/13 19:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	48.8	1		08/09/13 19:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1		08/09/13 19:57	1634-04-4	
Naphthalene	ND	ug/kg	4.9	1		08/09/13 19:57	91-20-3	
n-Propylbenzene	ND	ug/kg	4.9	1		08/09/13 19:57	103-65-1	
Styrene	ND	ug/kg	4.9	1		08/09/13 19:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.9	1		08/09/13 19:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1		08/09/13 19:57	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1		08/09/13 19:57	127-18-4	
Toluene	ND	ug/kg	4.9	1		08/09/13 19:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	1		08/09/13 19:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1		08/09/13 19:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1		08/09/13 19:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	1		08/09/13 19:57	79-00-5	
Trichloroethene	ND	ug/kg	4.9	1		08/09/13 19:57	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.9	1		08/09/13 19:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.9	1		08/09/13 19:57	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.9	1		08/09/13 19:57	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.9	1		08/09/13 19:57	108-67-8	
Vinyl acetate	ND	ug/kg	48.8	1		08/09/13 19:57	108-05-4	
Vinyl chloride	ND	ug/kg	9.8	1		08/09/13 19:57	75-01-4	
Xylene (Total)	ND	ug/kg	9.8	1		08/09/13 19:57	1330-20-7	
m&p-Xylene	ND	ug/kg	9.8	1		08/09/13 19:57	179601-23-1	
o-Xylene	ND	ug/kg	4.9	1		08/09/13 19:57	95-47-6	
Surrogates								
Dibromofluoromethane (S)	102	%	70-130	1		08/09/13 19:57	1868-53-7	
Toluene-d8 (S)	100	%	70-130	1		08/09/13 19:57	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130	1		08/09/13 19:57	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-132	1		08/09/13 19:57	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**14.4**	%	0.10	1		08/06/13 08:16		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

Sample: W.O. WEST 8' **Lab ID: 92167281004** Collected: 07/30/13 17:15 Received: 08/01/13 14:35 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)	ND	mg/kg	12.2	1	08/02/13 10:20	08/07/13 13:23		N2
Aliphatic (C19-C36)	ND	mg/kg	12.2	1	08/02/13 10:20	08/07/13 13:23		N2
Aromatic (C11-C22)	ND	mg/kg	12.2	1	08/02/13 10:20	08/07/13 13:23		N2
Surrogates								
Nonatriacontane (S)	77	%	40-140	1	08/02/13 10:20	08/07/13 13:23	7194-86-7	
o-Terphenyl (S)	61	%	40-140	1	08/02/13 10:20	08/07/13 13:23	84-15-1	
2-Fluorobiphenyl (S)	79	%	40-140	1	08/02/13 10:20	08/07/13 13:23	321-60-8	
2-Bromonaphthalene (S)	90	%	40-140	1	08/02/13 10:20	08/07/13 13:23	580-13-2	
VPH NC Soil	Analytical Method: MADEP VPH Preparation Method: MADEP VPH							
Aliphatic (C05-C08)	ND	mg/kg	2.8	1	08/02/13 11:45	08/02/13 18:09		N2
Aliphatic (C09-C12)	ND	mg/kg	2.8	1	08/02/13 11:45	08/02/13 18:09		N2
Aromatic (C09-C10)	ND	mg/kg	2.8	1	08/02/13 11:45	08/02/13 18:09		N2
Surrogates								
4-Bromofluorobenzene (FID) (S)	83	%	70-130	1	08/02/13 11:45	08/02/13 18:09	460-00-4	
4-Bromofluorobenzene (PID) (S)	73	%	70-130	1	08/02/13 11:45	08/02/13 18:09	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Chromium	**56.8**	mg/kg	0.51	1	08/06/13 15:45	08/07/13 16:17	7440-47-3	
Lead	**2.8**	mg/kg	0.51	1	08/06/13 15:45	08/07/13 16:17	7439-92-1	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	83-32-9	
Acenaphthylene	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	208-96-8	
Aniline	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	62-53-3	
Anthracene	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	120-12-7	
Benzo(a)anthracene	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	56-55-3	
Benzo(a)pyrene	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	207-08-9	
Benzoic Acid	ND	ug/kg	2010	1	08/02/13 10:50	08/05/13 23:10	65-85-0	
Benzyl alcohol	ND	ug/kg	802	1	08/02/13 10:50	08/05/13 23:10	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	101-55-3	
Butylbenzylphthalate	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	802	1	08/02/13 10:50	08/05/13 23:10	59-50-7	
4-Chloroaniline	ND	ug/kg	2010	1	08/02/13 10:50	08/05/13 23:10	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	108-60-1	
2-Chloronaphthalene	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	91-58-7	
2-Chlorophenol	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	7005-72-3	
Chrysene	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	53-70-3	
Dibenzofuran	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	132-64-9	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

Sample: W.O. WEST 8' **Lab ID: 92167281004** Collected: 07/30/13 17:15 Received: 08/01/13 14:35 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							
1,2-Dichlorobenzene	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2010	1	08/02/13 10:50	08/05/13 23:10	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	120-83-2	
Diethylphthalate	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	105-67-9	
Dimethylphthalate	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	131-11-3	
Di-n-butylphthalate	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	802	1	08/02/13 10:50	08/05/13 23:10	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2010	1	08/02/13 10:50	08/05/13 23:10	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	606-20-2	
Di-n-octylphthalate	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	117-81-7	
Fluoranthene	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	206-44-0	
Fluorene	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	87-68-3	
Hexachlorobenzene	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	77-47-4	
Hexachloroethane	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	193-39-5	
Isophorone	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	78-59-1	
1-Methylnaphthalene	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	90-12-0	
2-Methylnaphthalene	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10		
Naphthalene	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	91-20-3	
2-Nitroaniline	ND	ug/kg	2010	1	08/02/13 10:50	08/05/13 23:10	88-74-4	
3-Nitroaniline	ND	ug/kg	2010	1	08/02/13 10:50	08/05/13 23:10	99-09-2	
4-Nitroaniline	ND	ug/kg	802	1	08/02/13 10:50	08/05/13 23:10	100-01-6	
Nitrobenzene	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	98-95-3	
2-Nitrophenol	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	88-75-5	
4-Nitrophenol	ND	ug/kg	2010	1	08/02/13 10:50	08/05/13 23:10	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	86-30-6	
Pentachlorophenol	ND	ug/kg	2010	1	08/02/13 10:50	08/05/13 23:10	87-86-5	
Phenanthrene	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	85-01-8	
Phenol	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	108-95-2	
Pyrene	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	401	1	08/02/13 10:50	08/05/13 23:10	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	55	%	23-110	1	08/02/13 10:50	08/05/13 23:10	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

Sample: W.O. WEST 8' **Lab ID: 92167281004** Collected: 07/30/13 17:15 Received: 08/01/13 14:35 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							
Surrogates								
2-Fluorobiphenyl (S)	67	%	30-110	1	08/02/13 10:50	08/05/13 23:10	321-60-8	
Terphenyl-d14 (S)	78	%	28-110	1	08/02/13 10:50	08/05/13 23:10	1718-51-0	
Phenol-d6 (S)	71	%	22-110	1	08/02/13 10:50	08/05/13 23:10	13127-88-3	
2-Fluorophenol (S)	65	%	13-110	1	08/02/13 10:50	08/05/13 23:10	367-12-4	
2,4,6-Tribromophenol (S)	73	%	27-110	1	08/02/13 10:50	08/05/13 23:10	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	103	1		08/09/13 20:16	67-64-1	
Benzene	ND	ug/kg	5.1	1		08/09/13 20:16	71-43-2	
Bromobenzene	ND	ug/kg	5.1	1		08/09/13 20:16	108-86-1	
Bromochloromethane	ND	ug/kg	5.1	1		08/09/13 20:16	74-97-5	
Bromodichloromethane	ND	ug/kg	5.1	1		08/09/13 20:16	75-27-4	
Bromoform	ND	ug/kg	5.1	1		08/09/13 20:16	75-25-2	
Bromomethane	ND	ug/kg	10.3	1		08/09/13 20:16	74-83-9	
2-Butanone (MEK)	ND	ug/kg	103	1		08/09/13 20:16	78-93-3	
n-Butylbenzene	ND	ug/kg	5.1	1		08/09/13 20:16	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.1	1		08/09/13 20:16	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.1	1		08/09/13 20:16	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.1	1		08/09/13 20:16	56-23-5	
Chlorobenzene	ND	ug/kg	5.1	1		08/09/13 20:16	108-90-7	
Chloroethane	ND	ug/kg	10.3	1		08/09/13 20:16	75-00-3	
Chloroform	ND	ug/kg	5.1	1		08/09/13 20:16	67-66-3	
Chloromethane	ND	ug/kg	10.3	1		08/09/13 20:16	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.1	1		08/09/13 20:16	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.1	1		08/09/13 20:16	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.1	1		08/09/13 20:16	96-12-8	
Dibromochloromethane	ND	ug/kg	5.1	1		08/09/13 20:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.1	1		08/09/13 20:16	106-93-4	
Dibromomethane	ND	ug/kg	5.1	1		08/09/13 20:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.1	1		08/09/13 20:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.1	1		08/09/13 20:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.1	1		08/09/13 20:16	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.3	1		08/09/13 20:16	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.1	1		08/09/13 20:16	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.1	1		08/09/13 20:16	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.1	1		08/09/13 20:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.1	1		08/09/13 20:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.1	1		08/09/13 20:16	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.1	1		08/09/13 20:16	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.1	1		08/09/13 20:16	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.1	1		08/09/13 20:16	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.1	1		08/09/13 20:16	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.1	1		08/09/13 20:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.1	1		08/09/13 20:16	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.1	1		08/09/13 20:16	108-20-3	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

Sample: W.O. WEST 8' **Lab ID: 92167281004** Collected: 07/30/13 17:15 Received: 08/01/13 14:35 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							
Ethylbenzene	ND	ug/kg	5.1	1		08/09/13 20:16	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.1	1		08/09/13 20:16	87-68-3	
2-Hexanone	ND	ug/kg	51.4	1		08/09/13 20:16	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.1	1		08/09/13 20:16	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.1	1		08/09/13 20:16	99-87-6	
Methylene Chloride	ND	ug/kg	20.6	1		08/09/13 20:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	51.4	1		08/09/13 20:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.1	1		08/09/13 20:16	1634-04-4	
Naphthalene	ND	ug/kg	5.1	1		08/09/13 20:16	91-20-3	
n-Propylbenzene	ND	ug/kg	5.1	1		08/09/13 20:16	103-65-1	
Styrene	ND	ug/kg	5.1	1		08/09/13 20:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.1	1		08/09/13 20:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.1	1		08/09/13 20:16	79-34-5	
Tetrachloroethene	ND	ug/kg	5.1	1		08/09/13 20:16	127-18-4	
Toluene	ND	ug/kg	5.1	1		08/09/13 20:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.1	1		08/09/13 20:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.1	1		08/09/13 20:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.1	1		08/09/13 20:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.1	1		08/09/13 20:16	79-00-5	
Trichloroethene	ND	ug/kg	5.1	1		08/09/13 20:16	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.1	1		08/09/13 20:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.1	1		08/09/13 20:16	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.1	1		08/09/13 20:16	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.1	1		08/09/13 20:16	108-67-8	
Vinyl acetate	ND	ug/kg	51.4	1		08/09/13 20:16	108-05-4	
Vinyl chloride	ND	ug/kg	10.3	1		08/09/13 20:16	75-01-4	
Xylene (Total)	ND	ug/kg	10.3	1		08/09/13 20:16	1330-20-7	
m&p-Xylene	ND	ug/kg	10.3	1		08/09/13 20:16	179601-23-1	
o-Xylene	ND	ug/kg	5.1	1		08/09/13 20:16	95-47-6	
Surrogates								
Dibromofluoromethane (S)	103	%	70-130	1		08/09/13 20:16	1868-53-7	
Toluene-d8 (S)	99	%	70-130	1		08/09/13 20:16	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130	1		08/09/13 20:16	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-132	1		08/09/13 20:16	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**17.7**	%	0.10	1		08/06/13 08:16		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

Sample: W.O. NORTH 8' **Lab ID: 92167281005** Collected: 07/30/13 17:20 Received: 08/01/13 14:35 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)	ND	mg/kg	12.0	1	08/02/13 10:20	08/07/13 13:55		N2
Aliphatic (C19-C36)	**23.2**	mg/kg	12.0	1	08/02/13 10:20	08/07/13 13:55		N2
Aromatic (C11-C22)	ND	mg/kg	12.0	1	08/02/13 10:20	08/07/13 13:55		N2
Surrogates								
Nonatriacontane (S)	68	%	40-140	1	08/02/13 10:20	08/07/13 13:55	7194-86-7	
o-Terphenyl (S)	66	%	40-140	1	08/02/13 10:20	08/07/13 13:55	84-15-1	
2-Fluorobiphenyl (S)	86	%	40-140	1	08/02/13 10:20	08/07/13 13:55	321-60-8	
2-Bromonaphthalene (S)	99	%	40-140	1	08/02/13 10:20	08/07/13 13:55	580-13-2	
VPH NC Soil	Analytical Method: MADEP VPH Preparation Method: MADEP VPH							
Aliphatic (C05-C08)	ND	mg/kg	3.0	1	08/02/13 11:45	08/02/13 18:32		N2
Aliphatic (C09-C12)	ND	mg/kg	3.0	1	08/02/13 11:45	08/02/13 18:32		N2
Aromatic (C09-C10)	ND	mg/kg	3.0	1	08/02/13 11:45	08/02/13 18:32		N2
Surrogates								
4-Bromofluorobenzene (FID) (S)	89	%	70-130	1	08/02/13 11:45	08/02/13 18:32	460-00-4	
4-Bromofluorobenzene (PID) (S)	77	%	70-130	1	08/02/13 11:45	08/02/13 18:32	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Chromium	**8.3**	mg/kg	0.59	1	08/06/13 15:45	08/07/13 16:21	7440-47-3	
Lead	**4.0**	mg/kg	0.59	1	08/06/13 15:45	08/07/13 16:21	7439-92-1	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	83-32-9	
Acenaphthylene	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	208-96-8	
Aniline	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	62-53-3	
Anthracene	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	120-12-7	
Benzo(a)anthracene	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	56-55-3	
Benzo(a)pyrene	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	207-08-9	
Benzoic Acid	ND	ug/kg	1990	1	08/02/13 10:50	08/05/13 23:42	65-85-0	
Benzyl alcohol	ND	ug/kg	794	1	08/02/13 10:50	08/05/13 23:42	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	101-55-3	
Butylbenzylphthalate	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	794	1	08/02/13 10:50	08/05/13 23:42	59-50-7	
4-Chloroaniline	ND	ug/kg	1990	1	08/02/13 10:50	08/05/13 23:42	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	108-60-1	
2-Chloronaphthalene	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	91-58-7	
2-Chlorophenol	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	7005-72-3	
Chrysene	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	53-70-3	
Dibenzofuran	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	132-64-9	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

Sample: W.O. NORTH 8' **Lab ID: 92167281005** Collected: 07/30/13 17:20 Received: 08/01/13 14:35 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							
1,2-Dichlorobenzene	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1990	1	08/02/13 10:50	08/05/13 23:42	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	120-83-2	
Diethylphthalate	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	105-67-9	
Dimethylphthalate	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	131-11-3	
Di-n-butylphthalate	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	794	1	08/02/13 10:50	08/05/13 23:42	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1990	1	08/02/13 10:50	08/05/13 23:42	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	606-20-2	
Di-n-octylphthalate	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	117-81-7	
Fluoranthene	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	206-44-0	
Fluorene	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	87-68-3	
Hexachlorobenzene	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	77-47-4	
Hexachloroethane	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	193-39-5	
Isophorone	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	78-59-1	
1-Methylnaphthalene	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	90-12-0	
2-Methylnaphthalene	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42		
Naphthalene	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	91-20-3	
2-Nitroaniline	ND	ug/kg	1990	1	08/02/13 10:50	08/05/13 23:42	88-74-4	
3-Nitroaniline	ND	ug/kg	1990	1	08/02/13 10:50	08/05/13 23:42	99-09-2	
4-Nitroaniline	ND	ug/kg	794	1	08/02/13 10:50	08/05/13 23:42	100-01-6	
Nitrobenzene	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	98-95-3	
2-Nitrophenol	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	88-75-5	
4-Nitrophenol	ND	ug/kg	1990	1	08/02/13 10:50	08/05/13 23:42	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	86-30-6	
Pentachlorophenol	ND	ug/kg	1990	1	08/02/13 10:50	08/05/13 23:42	87-86-5	
Phenanthrene	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	85-01-8	
Phenol	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	108-95-2	
Pyrene	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	397	1	08/02/13 10:50	08/05/13 23:42	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	59	%	23-110	1	08/02/13 10:50	08/05/13 23:42	4165-60-0	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

Sample: W.O. NORTH 8' **Lab ID: 92167281005** Collected: 07/30/13 17:20 Received: 08/01/13 14:35 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							
Surrogates								
2-Fluorobiphenyl (S)	63	%	30-110	1	08/02/13 10:50	08/05/13 23:42	321-60-8	
Terphenyl-d14 (S)	66	%	28-110	1	08/02/13 10:50	08/05/13 23:42	1718-51-0	
Phenol-d6 (S)	67	%	22-110	1	08/02/13 10:50	08/05/13 23:42	13127-88-3	
2-Fluorophenol (S)	71	%	13-110	1	08/02/13 10:50	08/05/13 23:42	367-12-4	
2,4,6-Tribromophenol (S)	66	%	27-110	1	08/02/13 10:50	08/05/13 23:42	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	100	1		08/09/13 20:35	67-64-1	
Benzene	ND	ug/kg	5.0	1		08/09/13 20:35	71-43-2	
Bromobenzene	ND	ug/kg	5.0	1		08/09/13 20:35	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	1		08/09/13 20:35	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1		08/09/13 20:35	75-27-4	
Bromoform	ND	ug/kg	5.0	1		08/09/13 20:35	75-25-2	
Bromomethane	ND	ug/kg	10.0	1		08/09/13 20:35	74-83-9	
2-Butanone (MEK)	ND	ug/kg	100	1		08/09/13 20:35	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	1		08/09/13 20:35	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	1		08/09/13 20:35	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.0	1		08/09/13 20:35	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.0	1		08/09/13 20:35	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1		08/09/13 20:35	108-90-7	
Chloroethane	ND	ug/kg	10.0	1		08/09/13 20:35	75-00-3	
Chloroform	ND	ug/kg	5.0	1		08/09/13 20:35	67-66-3	
Chloromethane	ND	ug/kg	10.0	1		08/09/13 20:35	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	1		08/09/13 20:35	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	1		08/09/13 20:35	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0	1		08/09/13 20:35	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1		08/09/13 20:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1		08/09/13 20:35	106-93-4	
Dibromomethane	ND	ug/kg	5.0	1		08/09/13 20:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1		08/09/13 20:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	1		08/09/13 20:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1		08/09/13 20:35	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.0	1		08/09/13 20:35	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1		08/09/13 20:35	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	1		08/09/13 20:35	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1		08/09/13 20:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1		08/09/13 20:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1		08/09/13 20:35	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1		08/09/13 20:35	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1		08/09/13 20:35	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	1		08/09/13 20:35	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	1		08/09/13 20:35	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1		08/09/13 20:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1		08/09/13 20:35	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.0	1		08/09/13 20:35	108-20-3	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

Sample: W.O. NORTH 8' **Lab ID: 92167281005** Collected: 07/30/13 17:20 Received: 08/01/13 14:35 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							
Ethylbenzene	ND	ug/kg	5.0	1		08/09/13 20:35	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	1		08/09/13 20:35	87-68-3	
2-Hexanone	ND	ug/kg	50.1	1		08/09/13 20:35	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1		08/09/13 20:35	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	1		08/09/13 20:35	99-87-6	
Methylene Chloride	ND	ug/kg	20.0	1		08/09/13 20:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	50.1	1		08/09/13 20:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1		08/09/13 20:35	1634-04-4	
Naphthalene	ND	ug/kg	5.0	1		08/09/13 20:35	91-20-3	
n-Propylbenzene	ND	ug/kg	5.0	1		08/09/13 20:35	103-65-1	
Styrene	ND	ug/kg	5.0	1		08/09/13 20:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1		08/09/13 20:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1		08/09/13 20:35	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1		08/09/13 20:35	127-18-4	
Toluene	ND	ug/kg	5.0	1		08/09/13 20:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	1		08/09/13 20:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1		08/09/13 20:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1		08/09/13 20:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	1		08/09/13 20:35	79-00-5	
Trichloroethene	ND	ug/kg	5.0	1		08/09/13 20:35	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	1		08/09/13 20:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1		08/09/13 20:35	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1		08/09/13 20:35	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1		08/09/13 20:35	108-67-8	
Vinyl acetate	ND	ug/kg	50.1	1		08/09/13 20:35	108-05-4	
Vinyl chloride	ND	ug/kg	10.0	1		08/09/13 20:35	75-01-4	
Xylene (Total)	ND	ug/kg	10.0	1		08/09/13 20:35	1330-20-7	
m&p-Xylene	ND	ug/kg	10.0	1		08/09/13 20:35	179601-23-1	
o-Xylene	ND	ug/kg	5.0	1		08/09/13 20:35	95-47-6	
Surrogates								
Dibromofluoromethane (S)	108	%	70-130	1		08/09/13 20:35	1868-53-7	
Toluene-d8 (S)	99	%	70-130	1		08/09/13 20:35	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130	1		08/09/13 20:35	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-132	1		08/09/13 20:35	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**16.9**	%	0.10	1		08/06/13 08:24		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

Sample: LIFT + W.O. AREA DS-5 **Lab ID: 92167281006** Collected: 07/30/13 17:45 Received: 08/01/13 14:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified		Preparation Method: EPA 3546					
Diesel Components	**3860**	mg/kg	154	5	08/02/13 09:33	08/06/13 17:11	68334-30-5	
Surrogates								
n-Pentacosane (S)	0	%	41-119	5	08/02/13 09:33	08/06/13 17:11	629-99-2	S4
Gasoline Range Organics	Analytical Method: EPA 8015 Modified		Preparation Method: EPA 5035A/5030B					
Gasoline Range Organics	**122**	mg/kg	5.5	1	08/02/13 15:10	08/03/13 00:55	8006-61-9	
Surrogates								
4-Bromofluorobenzene (S)	132	%	70-167	1	08/02/13 15:10	08/03/13 00:55	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**18.8**	%	0.10	1		08/06/13 08:24		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

QC Batch: GCV/7159
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8015 Modified
Analysis Description: Gasoline Range Organics
Associated Lab Samples: 92167281006

METHOD BLANK: 1021966
Matrix: Solid
Associated Lab Samples: 92167281006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	6.0	08/02/13 17:16	
4-Bromofluorobenzene (S)	%	82	70-167	08/02/13 17:16	

LABORATORY CONTROL SAMPLE: 1021967

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	49.7	48.7	98	70-165	
4-Bromofluorobenzene (S)	%			84	70-167	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1021968 1021969

Parameter	Units	92166946001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Gasoline Range Organics	mg/kg	ND	58.2	58.2	68.8	62.1	118	106	47-187	10	
4-Bromofluorobenzene (S)	%						85	82	70-167		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

QC Batch: GCV/7158 Analysis Method: MADEP VPH
QC Batch Method: MADEP VPH Analysis Description: VPH NC Soil
Associated Lab Samples: 92167281001, 92167281002, 92167281003, 92167281004, 92167281005

METHOD BLANK: 1021812 Matrix: Solid
Associated Lab Samples: 92167281001, 92167281002, 92167281003, 92167281004, 92167281005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aliphatic (C05-C08)	mg/kg	ND	2.5	08/02/13 12:46	N2
Aliphatic (C09-C12)	mg/kg	ND	2.5	08/02/13 12:46	N2
Aromatic (C09-C10)	mg/kg	ND	2.5	08/02/13 12:46	N2
4-Bromofluorobenzene (FID) (S)	%	115	70-130	08/02/13 12:46	
4-Bromofluorobenzene (PID) (S)	%	103	70-130	08/02/13 12:46	

LABORATORY CONTROL SAMPLE & LCSD: 1021813 1021814

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	mg/kg	14.9	13.1	12.6	88	85	70-130	4	25	N2
Aliphatic (C09-C12)	mg/kg	14.9	14.2	14.0	95	94	30-130	1	25	N2
Aromatic (C09-C10)	mg/kg	5	4.3	4.1	87	83	70-130	5	25	N2
4-Bromofluorobenzene (FID) (S)	%				87	82	70-130			
4-Bromofluorobenzene (PID) (S)	%				93	88	70-130			

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

QC Batch: MPRP/13926 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 92167281001, 92167281002, 92167281003, 92167281004, 92167281005

METHOD BLANK: 1023311 Matrix: Solid
Associated Lab Samples: 92167281001, 92167281002, 92167281003, 92167281004, 92167281005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium	mg/kg	ND	0.50	08/07/13 15:36	
Lead	mg/kg	ND	0.50	08/07/13 15:36	

LABORATORY CONTROL SAMPLE: 1023312

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium	mg/kg	50	47.4	95	80-120	
Lead	mg/kg	50	47.7	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1023313 1023314

Parameter	Units	92167450001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Chromium	mg/kg	ND	50	43.1	46.8	41.4	93	95	75-125	12	
Lead	mg/kg	ND	50	43.1	47.2	41.7	94	97	75-125	12	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

QC Batch: MSV/23882 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92167281001, 92167281002, 92167281003, 92167281004, 92167281005

METHOD BLANK: 1026254 Matrix: Solid
Associated Lab Samples: 92167281001, 92167281002, 92167281003, 92167281004, 92167281005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.4	08/09/13 15:50	
1,1,1-Trichloroethane	ug/kg	ND	5.4	08/09/13 15:50	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.4	08/09/13 15:50	
1,1,2-Trichloroethane	ug/kg	ND	5.4	08/09/13 15:50	
1,1-Dichloroethane	ug/kg	ND	5.4	08/09/13 15:50	
1,1-Dichloroethene	ug/kg	ND	5.4	08/09/13 15:50	
1,1-Dichloropropene	ug/kg	ND	5.4	08/09/13 15:50	
1,2,3-Trichlorobenzene	ug/kg	ND	5.4	08/09/13 15:50	
1,2,3-Trichloropropane	ug/kg	ND	5.4	08/09/13 15:50	
1,2,4-Trichlorobenzene	ug/kg	ND	5.4	08/09/13 15:50	
1,2,4-Trimethylbenzene	ug/kg	ND	5.4	08/09/13 15:50	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.4	08/09/13 15:50	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.4	08/09/13 15:50	
1,2-Dichlorobenzene	ug/kg	ND	5.4	08/09/13 15:50	
1,2-Dichloroethane	ug/kg	ND	5.4	08/09/13 15:50	
1,2-Dichloropropane	ug/kg	ND	5.4	08/09/13 15:50	
1,3,5-Trimethylbenzene	ug/kg	ND	5.4	08/09/13 15:50	
1,3-Dichlorobenzene	ug/kg	ND	5.4	08/09/13 15:50	
1,3-Dichloropropane	ug/kg	ND	5.4	08/09/13 15:50	
1,4-Dichlorobenzene	ug/kg	ND	5.4	08/09/13 15:50	
2,2-Dichloropropane	ug/kg	ND	5.4	08/09/13 15:50	
2-Butanone (MEK)	ug/kg	ND	109	08/09/13 15:50	
2-Chlorotoluene	ug/kg	ND	5.4	08/09/13 15:50	
2-Hexanone	ug/kg	ND	54.3	08/09/13 15:50	
4-Chlorotoluene	ug/kg	ND	5.4	08/09/13 15:50	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	54.3	08/09/13 15:50	
Acetone	ug/kg	ND	109	08/09/13 15:50	
Benzene	ug/kg	ND	5.4	08/09/13 15:50	
Bromobenzene	ug/kg	ND	5.4	08/09/13 15:50	
Bromochloromethane	ug/kg	ND	5.4	08/09/13 15:50	
Bromodichloromethane	ug/kg	ND	5.4	08/09/13 15:50	
Bromoform	ug/kg	ND	5.4	08/09/13 15:50	
Bromomethane	ug/kg	ND	10.9	08/09/13 15:50	
Carbon tetrachloride	ug/kg	ND	5.4	08/09/13 15:50	
Chlorobenzene	ug/kg	ND	5.4	08/09/13 15:50	
Chloroethane	ug/kg	ND	10.9	08/09/13 15:50	
Chloroform	ug/kg	ND	5.4	08/09/13 15:50	
Chloromethane	ug/kg	ND	10.9	08/09/13 15:50	
cis-1,2-Dichloroethene	ug/kg	ND	5.4	08/09/13 15:50	
cis-1,3-Dichloropropene	ug/kg	ND	5.4	08/09/13 15:50	
Dibromochloromethane	ug/kg	ND	5.4	08/09/13 15:50	
Dibromomethane	ug/kg	ND	5.4	08/09/13 15:50	
Dichlorodifluoromethane	ug/kg	ND	10.9	08/09/13 15:50	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

METHOD BLANK: 1026254 Matrix: Solid

Associated Lab Samples: 92167281001, 92167281002, 92167281003, 92167281004, 92167281005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	ND	5.4	08/09/13 15:50	
Ethylbenzene	ug/kg	ND	5.4	08/09/13 15:50	
Hexachloro-1,3-butadiene	ug/kg	ND	5.4	08/09/13 15:50	
Isopropylbenzene (Cumene)	ug/kg	ND	5.4	08/09/13 15:50	
m&p-Xylene	ug/kg	ND	10.9	08/09/13 15:50	
Methyl-tert-butyl ether	ug/kg	ND	5.4	08/09/13 15:50	
Methylene Chloride	ug/kg	ND	21.7	08/09/13 15:50	
n-Butylbenzene	ug/kg	ND	5.4	08/09/13 15:50	
n-Propylbenzene	ug/kg	ND	5.4	08/09/13 15:50	
Naphthalene	ug/kg	ND	5.4	08/09/13 15:50	
o-Xylene	ug/kg	ND	5.4	08/09/13 15:50	
p-Isopropyltoluene	ug/kg	ND	5.4	08/09/13 15:50	
sec-Butylbenzene	ug/kg	ND	5.4	08/09/13 15:50	
Styrene	ug/kg	ND	5.4	08/09/13 15:50	
tert-Butylbenzene	ug/kg	ND	5.4	08/09/13 15:50	
Tetrachloroethene	ug/kg	ND	5.4	08/09/13 15:50	
Toluene	ug/kg	ND	5.4	08/09/13 15:50	
trans-1,2-Dichloroethene	ug/kg	ND	5.4	08/09/13 15:50	
trans-1,3-Dichloropropene	ug/kg	ND	5.4	08/09/13 15:50	
Trichloroethene	ug/kg	ND	5.4	08/09/13 15:50	
Trichlorofluoromethane	ug/kg	ND	5.4	08/09/13 15:50	
Vinyl acetate	ug/kg	ND	54.3	08/09/13 15:50	
Vinyl chloride	ug/kg	ND	10.9	08/09/13 15:50	
Xylene (Total)	ug/kg	ND	10.9	08/09/13 15:50	
1,2-Dichloroethane-d4 (S)	%	99	70-132	08/09/13 15:50	
4-Bromofluorobenzene (S)	%	95	70-130	08/09/13 15:50	
Dibromofluoromethane (S)	%	98	70-130	08/09/13 15:50	
Toluene-d8 (S)	%	100	70-130	08/09/13 15:50	

LABORATORY CONTROL SAMPLE: 1026255

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	55.8	68.1	122	70-131	
1,1,1-Trichloroethane	ug/kg	55.8	62.1	111	70-141	
1,1,2,2-Tetrachloroethane	ug/kg	55.8	68.1	122	70-130	
1,1,2-Trichloroethane	ug/kg	55.8	67.7	121	70-132	
1,1-Dichloroethane	ug/kg	55.8	64.7	116	70-143	
1,1-Dichloroethene	ug/kg	55.8	60.4	108	70-137	
1,1-Dichloropropene	ug/kg	55.8	59.0	106	70-135	
1,2,3-Trichlorobenzene	ug/kg	55.8	66.3	119	69-153	
1,2,3-Trichloropropane	ug/kg	55.8	62.2	112	70-130	
1,2,4-Trichlorobenzene	ug/kg	55.8	64.0	115	55-171	
1,2,4-Trimethylbenzene	ug/kg	55.8	62.5	112	70-149	
1,2-Dibromo-3-chloropropane	ug/kg	55.8	62.6	112	68-141	
1,2-Dibromoethane (EDB)	ug/kg	55.8	67.6	121	70-130	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

LABORATORY CONTROL SAMPLE: 1026255

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	55.8	66.8	120	70-140	
1,2-Dichloroethane	ug/kg	55.8	61.7	111	70-137	
1,2-Dichloropropane	ug/kg	55.8	61.0	109	70-133	
1,3,5-Trimethylbenzene	ug/kg	55.8	61.7	111	70-143	
1,3-Dichlorobenzene	ug/kg	55.8	64.4	115	70-144	
1,3-Dichloropropane	ug/kg	55.8	62.8	112	70-132	
1,4-Dichlorobenzene	ug/kg	55.8	63.6	114	70-142	
2,2-Dichloropropane	ug/kg	55.8	61.5	110	68-152	
2-Butanone (MEK)	ug/kg	112	132	119	70-149	
2-Chlorotoluene	ug/kg	55.8	66.3	119	70-141	
2-Hexanone	ug/kg	112	129	116	70-149	
4-Chlorotoluene	ug/kg	55.8	66.3	119	70-149	
4-Methyl-2-pentanone (MIBK)	ug/kg	112	124	111	70-153	
Acetone	ug/kg	112	126	113	70-157	
Benzene	ug/kg	55.8	64.3	115	70-130	
Bromobenzene	ug/kg	55.8	65.2	117	70-141	
Bromochloromethane	ug/kg	55.8	64.0	115	70-149	
Bromodichloromethane	ug/kg	55.8	59.7	107	70-130	
Bromoform	ug/kg	55.8	58.0	104	70-131	
Bromomethane	ug/kg	55.8	59.7	107	64-136	
Carbon tetrachloride	ug/kg	55.8	58.5	105	70-154	
Chlorobenzene	ug/kg	55.8	63.2	113	70-135	
Chloroethane	ug/kg	55.8	60.0	108	68-151	
Chloroform	ug/kg	55.8	64.8	116	70-130	
Chloromethane	ug/kg	55.8	47.4	85	70-132	
cis-1,2-Dichloroethene	ug/kg	55.8	63.3	113	70-140	
cis-1,3-Dichloropropene	ug/kg	55.8	58.0	104	70-137	
Dibromochloromethane	ug/kg	55.8	59.0	106	70-130	
Dibromomethane	ug/kg	55.8	64.7	116	70-136	
Dichlorodifluoromethane	ug/kg	55.8	36.2	65	36-148	F3
Diisopropyl ether	ug/kg	55.8	71.7	128	70-139	
Ethylbenzene	ug/kg	55.8	62.5	112	70-137	
Hexachloro-1,3-butadiene	ug/kg	55.8	61.3	110	70-145	
Isopropylbenzene (Cumene)	ug/kg	55.8	62.3	112	70-141	
m&p-Xylene	ug/kg	112	119	107	70-140	
Methyl-tert-butyl ether	ug/kg	55.8	70.6	127	45-150	
Methylene Chloride	ug/kg	55.8	65.7	118	70-133	
n-Butylbenzene	ug/kg	55.8	57.2	103	65-155	
n-Propylbenzene	ug/kg	55.8	60.1	108	70-148	
Naphthalene	ug/kg	55.8	75.2	135	70-148	
o-Xylene	ug/kg	55.8	67.4	121	70-141	
p-Isopropyltoluene	ug/kg	55.8	59.2	106	70-148	
sec-Butylbenzene	ug/kg	55.8	60.6	109	70-145	
Styrene	ug/kg	55.8	67.6	121	70-138	
tert-Butylbenzene	ug/kg	55.8	62.0	111	70-143	
Tetrachloroethene	ug/kg	55.8	58.6	105	70-140	
Toluene	ug/kg	55.8	62.9	113	70-130	
trans-1,2-Dichloroethene	ug/kg	55.8	64.4	115	70-136	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

LABORATORY CONTROL SAMPLE: 1026255

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/kg	55.8	57.2	102	70-138	
Trichloroethene	ug/kg	55.8	60.2	108	70-132	
Trichlorofluoromethane	ug/kg	55.8	54.3	97	69-134	
Vinyl acetate	ug/kg	112	96.0	86	24-161	
Vinyl chloride	ug/kg	55.8	48.2	86	55-140	
Xylene (Total)	ug/kg	167	187	111	70-141	
1,2-Dichloroethane-d4 (S)	%			96	70-132	
4-Bromofluorobenzene (S)	%			97	70-130	
Dibromofluoromethane (S)	%			104	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 1026887

Parameter	Units	92167462001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/kg	ND	31.4	33.0	105	49-180	
Benzene	ug/kg	ND	31.4	40.8	130	50-166	
Chlorobenzene	ug/kg	ND	31.4	31.1	99	43-169	
Toluene	ug/kg	ND	31.4	33.8	107	52-163	
Trichloroethene	ug/kg	ND	31.4	33.3	106	49-167	
1,2-Dichloroethane-d4 (S)	%				100	70-132	
4-Bromofluorobenzene (S)	%				90	70-130	
Dibromofluoromethane (S)	%				98	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 1026888

Parameter	Units	92167281001 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		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

SAMPLE DUPLICATE: 1026888

Parameter	Units	92167281001 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	13.9J		
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	6.0		
Methylene Chloride	ug/kg	ND	18J		
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		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

SAMPLE DUPLICATE: 1026888

Parameter	Units	92167281001 Result	Dup Result	RPD	Qualifiers
Xylene (Total)	ug/kg	ND	ND		
1,2-Dichloroethane-d4 (S)	%	115	104	8	
4-Bromofluorobenzene (S)	%	95	94	1	
Dibromofluoromethane (S)	%	109	104	2	
Toluene-d8 (S)	%	102	102	3	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

QC Batch: OEXT/23264
QC Batch Method: EPA 3546
Analysis Method: EPA 8015 Modified
Analysis Description: 8015 Solid GCSV
Associated Lab Samples: 92167281006

METHOD BLANK: 1021612
Matrix: Solid
Associated Lab Samples: 92167281006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/kg	ND	5.0	08/05/13 10:15	
n-Pentacosane (S)	%	86	41-119	08/05/13 10:15	

LABORATORY CONTROL SAMPLE: 1021613

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Components	mg/kg	66.7	46.7	70	49-113	
n-Pentacosane (S)	%			80	41-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1021614 1021615

Parameter	Units	92167279007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Diesel Components	mg/kg	5060	76.8	76.8	2580	4620	-3219	-565	10-146	57	M3,P6,R1
n-Pentacosane (S)	%						332	502	41-119		S5

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

QC Batch: OEXT/23266 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 92167281001, 92167281002, 92167281003, 92167281004, 92167281005

METHOD BLANK: 1021729 Matrix: Solid
Associated Lab Samples: 92167281001, 92167281002, 92167281003, 92167281004, 92167281005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	330	08/06/13 10:06	
1,2-Dichlorobenzene	ug/kg	ND	330	08/06/13 10:06	
1,3-Dichlorobenzene	ug/kg	ND	330	08/06/13 10:06	
1,4-Dichlorobenzene	ug/kg	ND	330	08/06/13 10:06	
1-Methylnaphthalene	ug/kg	ND	330	08/06/13 10:06	
2,4,5-Trichlorophenol	ug/kg	ND	330	08/06/13 10:06	
2,4,6-Trichlorophenol	ug/kg	ND	330	08/06/13 10:06	
2,4-Dichlorophenol	ug/kg	ND	330	08/06/13 10:06	
2,4-Dimethylphenol	ug/kg	ND	330	08/06/13 10:06	
2,4-Dinitrophenol	ug/kg	ND	1650	08/06/13 10:06	
2,4-Dinitrotoluene	ug/kg	ND	330	08/06/13 10:06	
2,6-Dinitrotoluene	ug/kg	ND	330	08/06/13 10:06	
2-Chloronaphthalene	ug/kg	ND	330	08/06/13 10:06	
2-Chlorophenol	ug/kg	ND	330	08/06/13 10:06	
2-Methylnaphthalene	ug/kg	ND	330	08/06/13 10:06	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	08/06/13 10:06	
2-Nitroaniline	ug/kg	ND	1650	08/06/13 10:06	
2-Nitrophenol	ug/kg	ND	330	08/06/13 10:06	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	330	08/06/13 10:06	
3,3'-Dichlorobenzidine	ug/kg	ND	1650	08/06/13 10:06	
3-Nitroaniline	ug/kg	ND	1650	08/06/13 10:06	
4,6-Dinitro-2-methylphenol	ug/kg	ND	660	08/06/13 10:06	
4-Bromophenylphenyl ether	ug/kg	ND	330	08/06/13 10:06	
4-Chloro-3-methylphenol	ug/kg	ND	660	08/06/13 10:06	
4-Chloroaniline	ug/kg	ND	1650	08/06/13 10:06	
4-Chlorophenylphenyl ether	ug/kg	ND	330	08/06/13 10:06	
4-Nitroaniline	ug/kg	ND	660	08/06/13 10:06	
4-Nitrophenol	ug/kg	ND	1650	08/06/13 10:06	
Acenaphthene	ug/kg	ND	330	08/06/13 10:06	
Acenaphthylene	ug/kg	ND	330	08/06/13 10:06	
Aniline	ug/kg	ND	330	08/06/13 10:06	
Anthracene	ug/kg	ND	330	08/06/13 10:06	
Benzo(a)anthracene	ug/kg	ND	330	08/06/13 10:06	
Benzo(a)pyrene	ug/kg	ND	330	08/06/13 10:06	
Benzo(b)fluoranthene	ug/kg	ND	330	08/06/13 10:06	
Benzo(g,h,i)perylene	ug/kg	ND	330	08/06/13 10:06	
Benzo(k)fluoranthene	ug/kg	ND	330	08/06/13 10:06	
Benzoic Acid	ug/kg	ND	1650	08/06/13 10:06	
Benzyl alcohol	ug/kg	ND	660	08/06/13 10:06	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	08/06/13 10:06	
bis(2-Chloroethyl) ether	ug/kg	ND	330	08/06/13 10:06	
bis(2-Chloroisopropyl) ether	ug/kg	ND	330	08/06/13 10:06	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	08/06/13 10:06	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

METHOD BLANK: 1021729 Matrix: Solid

Associated Lab Samples: 92167281001, 92167281002, 92167281003, 92167281004, 92167281005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/kg	ND	330	08/06/13 10:06	
Chrysene	ug/kg	ND	330	08/06/13 10:06	
Di-n-butylphthalate	ug/kg	ND	330	08/06/13 10:06	
Di-n-octylphthalate	ug/kg	ND	330	08/06/13 10:06	
Dibenz(a,h)anthracene	ug/kg	ND	330	08/06/13 10:06	
Dibenzofuran	ug/kg	ND	330	08/06/13 10:06	
Diethylphthalate	ug/kg	ND	330	08/06/13 10:06	
Dimethylphthalate	ug/kg	ND	330	08/06/13 10:06	
Fluoranthene	ug/kg	ND	330	08/06/13 10:06	
Fluorene	ug/kg	ND	330	08/06/13 10:06	
Hexachloro-1,3-butadiene	ug/kg	ND	330	08/06/13 10:06	
Hexachlorobenzene	ug/kg	ND	330	08/06/13 10:06	
Hexachlorocyclopentadiene	ug/kg	ND	330	08/06/13 10:06	
Hexachloroethane	ug/kg	ND	330	08/06/13 10:06	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	08/06/13 10:06	
Isophorone	ug/kg	ND	330	08/06/13 10:06	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	08/06/13 10:06	
N-Nitrosodimethylamine	ug/kg	ND	330	08/06/13 10:06	
N-Nitrosodiphenylamine	ug/kg	ND	330	08/06/13 10:06	
Naphthalene	ug/kg	ND	330	08/06/13 10:06	
Nitrobenzene	ug/kg	ND	330	08/06/13 10:06	
Pentachlorophenol	ug/kg	ND	1650	08/06/13 10:06	
Phenanthrene	ug/kg	ND	330	08/06/13 10:06	
Phenol	ug/kg	ND	330	08/06/13 10:06	
Pyrene	ug/kg	ND	330	08/06/13 10:06	
2,4,6-Tribromophenol (S)	%	27	27-110	08/06/13 10:06	
2-Fluorobiphenyl (S)	%	32	30-110	08/06/13 10:06	
2-Fluorophenol (S)	%	36	13-110	08/06/13 10:06	
Nitrobenzene-d5 (S)	%	27	23-110	08/06/13 10:06	
Phenol-d6 (S)	%	34	22-110	08/06/13 10:06	
Terphenyl-d14 (S)	%	62	28-110	08/06/13 10:06	

LABORATORY CONTROL SAMPLE: 1021730

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1500	90	39-101	
1,2-Dichlorobenzene	ug/kg	1670	1500	90	36-110	
1,3-Dichlorobenzene	ug/kg	1670	1490	89	35-110	
1,4-Dichlorobenzene	ug/kg	1670	1510	91	35-110	
1-Methylnaphthalene	ug/kg	1670	1510	91	45-105	
2,4,5-Trichlorophenol	ug/kg	1670	1240	74	48-109	
2,4,6-Trichlorophenol	ug/kg	1670	1160	70	45-111	
2,4-Dichlorophenol	ug/kg	1670	1360	82	51-116	
2,4-Dimethylphenol	ug/kg	1670	1420	85	42-103	
2,4-Dinitrophenol	ug/kg	8330	5100	61	28-103	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

LABORATORY CONTROL SAMPLE: 1021730

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/kg	1670	1540	92	46-114	
2,6-Dinitrotoluene	ug/kg	1670	1450	87	48-112	
2-Chloronaphthalene	ug/kg	1670	1330	80	44-105	
2-Chlorophenol	ug/kg	1670	1300	78	36-110	
2-Methylnaphthalene	ug/kg	1670	1330	80	39-112	
2-Methylphenol(o-Cresol)	ug/kg	1670	1350	81	39-101	
2-Nitroaniline	ug/kg	3330	2480	74	44-111	
2-Nitrophenol	ug/kg	1670	1300	78	41-100	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1210	73	43-103	
3,3'-Dichlorobenzidine	ug/kg	3330	2810	84	10-150	
3-Nitroaniline	ug/kg	3330	2610	78	35-110	
4,6-Dinitro-2-methylphenol	ug/kg	3330	2530	76	38-118	
4-Bromophenylphenyl ether	ug/kg	1670	1170	70	47-115	
4-Chloro-3-methylphenol	ug/kg	3330	2720	82	43-127	
4-Chloroaniline	ug/kg	3330	2500	75	34-109	
4-Chlorophenylphenyl ether	ug/kg	1670	1130	68	44-115	
4-Nitroaniline	ug/kg	3330	2760	83	37-111	
4-Nitrophenol	ug/kg	8330	5530	66	21-152	
Acenaphthene	ug/kg	1670	1380	83	38-117	
Acenaphthylene	ug/kg	1670	1390	83	46-107	
Aniline	ug/kg	1670	1270	76	29-110	
Anthracene	ug/kg	1670	1540	93	50-110	
Benzo(a)anthracene	ug/kg	1670	1540	93	47-116	
Benzo(a)pyrene	ug/kg	1670	1620	97	47-106	
Benzo(b)fluoranthene	ug/kg	1670	1480	89	47-109	
Benzo(g,h,i)perylene	ug/kg	1670	1500	90	39-115	
Benzo(k)fluoranthene	ug/kg	1670	1520	91	45-117	
Benzoic Acid	ug/kg	8330	4980	60	16-110	
Benzyl alcohol	ug/kg	3330	2400	72	38-105	
bis(2-Chloroethoxy)methane	ug/kg	1670	1040	62	39-110	
bis(2-Chloroethyl) ether	ug/kg	1670	1170	70	19-119	
bis(2-Chloroisopropyl) ether	ug/kg	1670	855	51	21-110	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1630	98	35-116	
Butylbenzylphthalate	ug/kg	1670	1530	92	38-110	
Chrysene	ug/kg	1670	1640	98	49-110	
Di-n-butylphthalate	ug/kg	1670	1500	90	43-109	
Di-n-octylphthalate	ug/kg	1670	1540	93	37-109	
Dibenz(a,h)anthracene	ug/kg	1670	1510	90	43-116	
Dibenzofuran	ug/kg	1670	1240	74	45-106	
Diethylphthalate	ug/kg	1670	1370	82	41-114	
Dimethylphthalate	ug/kg	1670	1410	84	43-110	
Fluoranthene	ug/kg	1670	1560	94	50-114	
Fluorene	ug/kg	1670	1440	86	46-114	
Hexachloro-1,3-butadiene	ug/kg	1670	1480	89	28-111	
Hexachlorobenzene	ug/kg	1670	1540	92	46-120	
Hexachlorocyclopentadiene	ug/kg	1670	1270	76	18-119	
Hexachloroethane	ug/kg	1670	1400	84	33-110	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1480	89	42-115	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

LABORATORY CONTROL SAMPLE: 1021730

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Isophorone	ug/kg	1670	1400	84	44-109	
N-Nitroso-di-n-propylamine	ug/kg	1670	1130	68	43-104	
N-Nitrosodimethylamine	ug/kg	1670	1470	88	29-110	
N-Nitrosodiphenylamine	ug/kg	1670	1250	75	48-113	
Naphthalene	ug/kg	1670	1450	87	41-110	
Nitrobenzene	ug/kg	1670	1310	78	38-110	
Pentachlorophenol	ug/kg	3330	2390	72	32-128	
Phenanthrene	ug/kg	1670	1480	89	50-110	
Phenol	ug/kg	1670	1370	82	28-106	
Pyrene	ug/kg	1670	1490	90	45-114	
2,4,6-Tribromophenol (S)	%			85	27-110	
2-Fluorobiphenyl (S)	%			79	30-110	
2-Fluorophenol (S)	%			90	13-110	
Nitrobenzene-d5 (S)	%			76	23-110	
Phenol-d6 (S)	%			84	22-110	
Terphenyl-d14 (S)	%			89	28-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1021731 1021732

Parameter	Units	92167279003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	1930	1930	1250	1350	65	70	18-119	8	
1,2-Dichlorobenzene	ug/kg	ND	1930	1930	1310	1340	68	70	50-110	2	
1,3-Dichlorobenzene	ug/kg	ND	1930	1930	1270	1290	66	67	27-110	1	
1,4-Dichlorobenzene	ug/kg	ND	1930	1930	1310	1310	68	68	28-110	0	
1-Methylnaphthalene	ug/kg	1570	1930	1930	2130	2450	29	46	24-116	14	
2,4,5-Trichlorophenol	ug/kg	ND	1930	1930	1050	1300	54	67	28-110	21	
2,4,6-Trichlorophenol	ug/kg	ND	1930	1930	930	1130	48	59	17-117	19	
2,4-Dichlorophenol	ug/kg	ND	1930	1930	1170	1230	61	64	21-128	6	
2,4-Dimethylphenol	ug/kg	ND	1930	1930	1250	1320	65	69	10-120	6	
2,4-Dinitrophenol	ug/kg	ND	9600	9600	4720	5490	49	57	10-107	15	
2,4-Dinitrotoluene	ug/kg	ND	1930	1930	1290	1430	67	74	36-109	10	
2,6-Dinitrotoluene	ug/kg	ND	1930	1930	1230	1340	64	70	32-110	8	
2-Chloronaphthalene	ug/kg	ND	1930	1930	1110	1310	58	68	30-107	16	
2-Chlorophenol	ug/kg	ND	1930	1930	1170	1220	61	64	14-106	5	
2-Methylnaphthalene	ug/kg	2610	1930	1930	2540	2990	-4	20	10-135	16	M1
2-Methylphenol(o-Cresol)	ug/kg	ND	1930	1930	1370	1410	71	73	10-124	3	
2-Nitroaniline	ug/kg	ND	3840	3840	2120	2320	55	60	26-116	9	
2-Nitrophenol	ug/kg	ND	1930	1930	1160	1300	60	68	28-103	12	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	1930	1930	1210	1210	63	63	10-109	0	
3,3'-Dichlorobenzidine	ug/kg	ND	3840	3840	2710	2800	71	73	10-150	3	
3-Nitroaniline	ug/kg	ND	3840	3840	2230	2210	58	57	22-110	1	
4,6-Dinitro-2-methylphenol	ug/kg	ND	3840	3840	2450	2640	64	69	13-121	7	
4-Bromophenylphenyl ether	ug/kg	ND	1930	1930	1120	1200	58	63	31-109	7	
4-Chloro-3-methylphenol	ug/kg	ND	3840	3840	2370	2470	62	64	13-128	4	
4-Chloroaniline	ug/kg	ND	3840	3840	2090	2240	54	58	18-102	7	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1021731 1021732

Parameter	Units	92167279003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
4-Chlorophenylphenyl ether	ug/kg	ND	1930	1930	975	1090	51	57	29-112	11	
4-Nitroaniline	ug/kg	ND	3840	3840	2270	2440	59	64	16-111	7	
4-Nitrophenol	ug/kg	ND	9600	9600	4980	5580	52	58	14-135	11	
Acenaphthene	ug/kg	ND	1930	1930	1200	1380	60	69	26-114	14	
Acenaphthylene	ug/kg	ND	1930	1930	1150	1320	60	69	32-108	13	
Aniline	ug/kg	ND	1930	1930	1120	1160	58	60	10-107	3	
Anthracene	ug/kg	ND	1930	1930	1520	1540	79	80	32-111	1	
Benzo(a)anthracene	ug/kg	ND	1930	1930	1440	1470	75	76	25-117	2	
Benzo(a)pyrene	ug/kg	ND	1930	1930	1490	1480	77	77	25-106	0	
Benzo(b)fluoranthene	ug/kg	ND	1930	1930	1350	1330	70	69	24-110	1	
Benzo(g,h,i)perylene	ug/kg	ND	1930	1930	1460	1430	76	75	19-112	2	
Benzo(k)fluoranthene	ug/kg	ND	1930	1930	1390	1340	72	70	24-114	3	
Benzoic Acid	ug/kg	ND	9600	9600	4020	4150	42	43	10-110	3	
Benzyl alcohol	ug/kg	ND	3840	3840	2240	2320	58	61	24-106	4	
bis(2-Chloroethoxy)methane	ug/kg	ND	1930	1930	930	988	48	51	13-119	6	
bis(2-Chloroethyl) ether	ug/kg	ND	1930	1930	1070	1080	56	56	10-134	0	
bis(2-Chloroisopropyl) ether	ug/kg	ND	1930	1930	781	805	41	42	10-113	3	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	1930	1930	1590	1630	78	80	10-125	2	
Butylbenzylphthalate	ug/kg	ND	1930	1930	1550	1480	81	77	18-110	4	
Chrysene	ug/kg	ND	1930	1930	1530	1600	80	83	30-110	4	
Di-n-butylphthalate	ug/kg	ND	1930	1930	1470	1490	76	78	19-112	2	
Di-n-octylphthalate	ug/kg	ND	1930	1930	1550	1610	81	84	17-105	4	
Dibenz(a,h)anthracene	ug/kg	ND	1930	1930	1440	1420	75	74	23-111	2	
Dibenzofuran	ug/kg	ND	1930	1930	1060	1220	55	63	35-103	13	
Diethylphthalate	ug/kg	ND	1930	1930	1230	1380	64	72	27-113	12	
Dimethylphthalate	ug/kg	ND	1930	1930	1180	1330	61	69	26-111	12	
Fluoranthene	ug/kg	ND	1930	1930	1490	1490	77	77	33-109	0	
Fluorene	ug/kg	ND	1930	1930	1320	1500	58	67	32-113	13	
Hexachloro-1,3-butadiene	ug/kg	ND	1930	1930	1200	1310	62	68	16-116	9	
Hexachlorobenzene	ug/kg	ND	1930	1930	1470	1530	77	79	27-120	4	
Hexachlorocyclopentadiene	ug/kg	ND	1930	1930	1000	1280	52	67	10-108	24	
Hexachloroethane	ug/kg	ND	1930	1930	911	982	47	51	10-117	8	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	1930	1930	1380	1420	72	74	10-122	3	
Isophorone	ug/kg	ND	1930	1930	1170	1270	61	66	28-114	8	
N-Nitroso-di-n-propylamine	ug/kg	ND	1930	1930	1010	1080	53	56	27-113	6	
N-Nitrosodimethylamine	ug/kg	ND	1930	1930	1140	1140	59	59	10-109	0	
N-Nitrosodiphenylamine	ug/kg	ND	1930	1930	1640	1740	85	90	10-128	6	
Naphthalene	ug/kg	1440	1930	1930	2000	2290	29	44	25-110	13	
Nitrobenzene	ug/kg	ND	1930	1930	1070	1130	56	59	18-114	5	
Pentachlorophenol	ug/kg	ND	3840	3840	2330	2540	61	66	10-122	8	
Phenanthrene	ug/kg	ND	1930	1930	1620	1710	66	71	30-114	6	
Phenol	ug/kg	ND	1930	1930	1280	1310	67	68	11-102	3	
Pyrene	ug/kg	ND	1930	1930	1430	1490	72	75	25-116	4	
2,4,6-Tribromophenol (S)	%						71	76	27-110		
2-Fluorobiphenyl (S)	%						56	64	30-110		
2-Fluorophenol (S)	%						66	66	13-110		
Nitrobenzene-d5 (S)	%						62	69	23-110		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1021731 1021732

Parameter	Units	92167279003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Phenol-d6 (S)	%						66	67	22-110		
Terphenyl-d14 (S)	%						71	72	28-110		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

QC Batch: OEXT/23256 Analysis Method: MADEP EPH
QC Batch Method: MADEP EPH Analysis Description: MADEP EPH NC Soil
Associated Lab Samples: 92167281001, 92167281002, 92167281003, 92167281004, 92167281005

METHOD BLANK: 1021183 Matrix: Solid
Associated Lab Samples: 92167281001, 92167281002, 92167281003, 92167281004, 92167281005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aliphatic (C09-C18)	mg/kg	ND	10.0	08/02/13 17:21	N2
Aliphatic (C19-C36)	mg/kg	ND	10.0	08/02/13 17:21	N2
Aromatic (C11-C22)	mg/kg	ND	10.0	08/02/13 17:21	N2
2-Bromonaphthalene (S)	%	105	40-140	08/02/13 17:21	
2-Fluorobiphenyl (S)	%	83	40-140	08/02/13 17:21	
Nonatriacontane (S)	%	67	40-140	08/02/13 17:21	
o-Terphenyl (S)	%	69	40-140	08/02/13 17:21	

LABORATORY CONTROL SAMPLE & LCSD: 1021184 1021185

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C09-C18)	mg/kg	10	ND	ND	84	79	40-140		50	N2
Aliphatic (C19-C36)	mg/kg	13.3	11.5	10.7	86	80	40-140	7	50	N2
Aromatic (C11-C22)	mg/kg	28.3	22.2	18.9	79	67	40-140	16	50	N2
2-Bromonaphthalene (S)	%				91	74	40-140			
2-Fluorobiphenyl (S)	%				76	67	40-140			
Nonatriacontane (S)	%				85	79	40-140			
o-Terphenyl (S)	%				73	63	40-140			

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

QC Batch: PMST/5721 | Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 | Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92167281001, 92167281002, 92167281003, 92167281004

SAMPLE DUPLICATE: 1022017

Parameter	Units	92167338001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	24.6	25.8	5	

SAMPLE DUPLICATE: 1022018

Parameter	Units	92167281004 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	17.7	17.8	0	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

QC Batch: PMST/5722
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92167281005, 92167281006

SAMPLE DUPLICATE: 1022213

Parameter	Units	92167408001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	14.8	15.6	5	

SAMPLE DUPLICATE: 1022214

Parameter	Units	92167355024 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	11.1	10.5	5	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

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.

PRL - Pace Reporting Limit.

RL - Reporting 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.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

TNI - The NELAC Institute.

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

F3	The recovery of the second source standard used to verify the initial calibration curve for this analyte is outside the laboratory's control limits. The result is estimated.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold TNI accreditation for this parameter.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
S5	Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92167281006	**LIFT + W.O. AREA DS-5**	EPA 3546	OEXT/23264	EPA 8015 Modified	GCSV/15236
92167281001	**W.O. EAST 7'**	MADEP EPH	OEXT/23256	MADEP EPH	GCSV/15223
92167281002	**W.O. SOUTH 8'**	MADEP EPH	OEXT/23256	MADEP EPH	GCSV/15223
92167281003	**W.O. CENTER 9.5'**	MADEP EPH	OEXT/23256	MADEP EPH	GCSV/15223
92167281004	**W.O. WEST 8'**	MADEP EPH	OEXT/23256	MADEP EPH	GCSV/15223
92167281005	**W.O. NORTH 8'**	MADEP EPH	OEXT/23256	MADEP EPH	GCSV/15223
92167281006	**LIFT + W.O. AREA DS-5**	EPA 5035A/5030B	GCV/7159	EPA 8015 Modified	GCV/7163
92167281001	**W.O. EAST 7'**	MADEP VPH	GCV/7158	MADEP VPH	GCV/7162
92167281002	**W.O. SOUTH 8'**	MADEP VPH	GCV/7158	MADEP VPH	GCV/7162
92167281003	**W.O. CENTER 9.5'**	MADEP VPH	GCV/7158	MADEP VPH	GCV/7162
92167281004	**W.O. WEST 8'**	MADEP VPH	GCV/7158	MADEP VPH	GCV/7162
92167281005	**W.O. NORTH 8'**	MADEP VPH	GCV/7158	MADEP VPH	GCV/7162
92167281001	**W.O. EAST 7'**	EPA 3050	MPRP/13926	EPA 6010	ICP/12676
92167281002	**W.O. SOUTH 8'**	EPA 3050	MPRP/13926	EPA 6010	ICP/12676
92167281003	**W.O. CENTER 9.5'**	EPA 3050	MPRP/13926	EPA 6010	ICP/12676
92167281004	**W.O. WEST 8'**	EPA 3050	MPRP/13926	EPA 6010	ICP/12676
92167281005	**W.O. NORTH 8'**	EPA 3050	MPRP/13926	EPA 6010	ICP/12676
92167281001	**W.O. EAST 7'**	EPA 3546	OEXT/23266	EPA 8270	MSSV/8030
92167281002	**W.O. SOUTH 8'**	EPA 3546	OEXT/23266	EPA 8270	MSSV/8030
92167281003	**W.O. CENTER 9.5'**	EPA 3546	OEXT/23266	EPA 8270	MSSV/8030
92167281004	**W.O. WEST 8'**	EPA 3546	OEXT/23266	EPA 8270	MSSV/8030
92167281005	**W.O. NORTH 8'**	EPA 3546	OEXT/23266	EPA 8270	MSSV/8030
92167281001	**W.O. EAST 7'**	EPA 8260	MSV/23882		
92167281002	**W.O. SOUTH 8'**	EPA 8260	MSV/23882		
92167281003	**W.O. CENTER 9.5'**	EPA 8260	MSV/23882		
92167281004	**W.O. WEST 8'**	EPA 8260	MSV/23882		
92167281005	**W.O. NORTH 8'**	EPA 8260	MSV/23882		
92167281001	**W.O. EAST 7'**	ASTM D2974-87	PMST/5721		
92167281002	**W.O. SOUTH 8'**	ASTM D2974-87	PMST/5721		
92167281003	**W.O. CENTER 9.5'**	ASTM D2974-87	PMST/5721		
92167281004	**W.O. WEST 8'**	ASTM D2974-87	PMST/5721		
92167281005	**W.O. NORTH 8'**	ASTM D2974-87	PMST/5722		
92167281006	**LIFT + W.O. AREA DS-5**	ASTM D2974-87	PMST/5722		

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

Pace Analytical	Sample Condition Upon Receipt (SCUR)	Page 1 of 2
	Document Number: F-CHR-CS-03-rev.11	Issuing Authority: Pace Huntersville Quality Office

Client Name: Pynimad

Where Received: ☐ Huntersville ☐ Asheville ☐ Eden ☐ Raleigh

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other_____

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

Optional
Proj. Due Date:
Proj. Name:

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other_____

Thermometer Used: IR Gun T1102 T1301 **Type of Ice:** Wet Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor **T1102**: No Correction **T1301**: No Correction

Corrected Cooler Temp.: 24 C **Biological Tissue is Frozen:** Yes No N/A

Date and Initials of person examining contents: DN 8/1

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☐Yes ☑No ☐N/A	12. He did not get 8PH- 8270-metals
-Includes date/time/ID/Analysis Matrix:_____		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):_____		

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

Person Contacted: Mike Jones Date/Time: 8/1/13

Comments/ Resolution: Mike instructed to run Dro, Gro + Pblr on DS-5 sample. KG.

SCURF Review:	JG	Date:	8/1/13
SRF Review:	JDB	Date:	8/2/13

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)

WO# : 92167281

92167281

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1667318

Section A Required Client Information:

Company: Pyramid Enviro
Address: 503 Industrial Ave. GSBO, NC 27406
Email To:
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Pyramid
Copy To:
Purchase Order No.:
Project Name: Carrboro / Dan Christian
Project Number: 2013-161

Section C Invoice Information:

Attention: MIKE JONES
Company Name: PYRAMID
Address:
Pace Quote Reference:
Pace Project Manager: KEVIN GODWIN
Pace Profile #: 2982-1

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☑ UST ☐ RCRA ☐ OTHER

Site Location STATE: NC

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	8260	8270	VPH	EPH	LEAD + Cr	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. (TRUST FUND 92147281)
1	W.O. EAST 7'	SL	G	7/30/13		17:00												X	X	X	X	X		001
2	W.O. SOUTH 8'	SL	G	7/30/13		17:05												X	X	X	X	X		002
3	W.O. CENTER 9.5'	SL	G	7/30/13		17:10												X	X	X	X	X		003
4	W.O. WEST 8'	SL	G	7/30/13		17:15												X	X	X	X	X		004
5	W.O. NORTH 8'	SL	G	7/30/13		17:20												X	X	X	X	X		005
6	LIFT + W.O. Area DS-5	SL	C	7/30/13		17:45												X	X	X	X	X		006
7																								
8																								
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Michael Jones	7/31/13	7:00	[illegible]	8/1/13	1105	
	[illegible]	~~7/31/13~~ 8/1/13	14:35	[illegible]	8/1/13	1435	2.4 Y N Y

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: MICHAEL JONES

SIGNATURE of SAMPLER: Michael Jones DATE Signed (MM/DD/YY): 07/31/2013

ORIGINAL

*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

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

September 04, 2013

Mr. Mike Jones
Pyramid Environmental
P.O. Box 16265
503 Industrial Avenue
Greensboro, NC 27416

RE: Project: Carrboro 2013-161
Pace Project No.: 92170062

Dear Mr. Jones:
Enclosed are the analytical results for sample(s) received by the laboratory on August 27, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted 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 Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Carrboro 2013-161
Pace Project No.: 92170062

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

Asheville Certification IDs
2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
West Virginia Certification #: 356
Virginia/VELAP Certification #: 460222

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Carrboro 2013-161
Pace Project No.: 92170062

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92170062001	**DS-5**	EPA 6010	JMW	2	PASI-A
		ASTM D2974-87	TNM	1	PASI-C

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro 2013-161
Pace Project No.: 92170062

Sample: DS-5 **Lab ID: 92170062001** Collected: 07/31/13 13:30 Received: 08/27/13 11:52 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Chromium	**3.0**	mg/kg	0.62	1	08/29/13 08:35	08/29/13 19:03	7440-47-3	
Lead	**16.4**	mg/kg	0.62	1	08/29/13 08:35	08/29/13 19:03	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**20.5**	%	0.10	1		09/03/13 08:49		

REPORT OF LABORATORY ANALYSIS

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro 2013-161
Pace Project No.: 92170062

QC Batch: MPRP/14078
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 92170062001

METHOD BLANK: 1037788
Matrix: Solid
Associated Lab Samples: 92170062001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium	mg/kg	ND	0.50	08/29/13 16:44	
Lead	mg/kg	ND	0.50	08/29/13 16:44	

LABORATORY CONTROL SAMPLE: 1037789

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium	mg/kg	50	48.4	97	80-120	
Lead	mg/kg	50	49.8	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1037790 1037791

Parameter	Units	92168914002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Chromium	mg/kg	10.8	52.8	51.8	57.8	58.7	89	93	75-125	2	
Lead	mg/kg	14.8	52.8	51.8	53.2	63.6	73	94	75-125	18	M1

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro 2013-161
Pace Project No.: 92170062

QC Batch: PMST/5793
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92170062001

SAMPLE DUPLICATE: 1037730

Parameter	Units	92170134001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	22.2	19.6	12	

SAMPLE DUPLICATE: 1037731

Parameter	Units	92170066006 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	6.9	6.3	9	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: Carrboro 2013-161
Pace Project No.: 92170062

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.

PRL - Pace Reporting Limit.

RL - Reporting 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.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

TNI - The NELAC Institute.

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

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

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Carrboro 2013-161
Pace Project No.: 92170062

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92170062001	**DS-5**	EPA 3050	MPRP/14078	EPA 6010	ICP/12814
92170062001	**DS-5**	ASTM D2974-87	PMST/5793		

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

Pace Analytical	Sample Condition Upon Receipt (SCUR)	Page 1 of 2
	Document Number: F-CHR-CS-03-rev.11	Issuing Authority: Pace Huntersville Quality Office

Client Name: Pyramid

Where Received: ☑ Huntersville ☐ Asheville ☐ Eden ☐ Raleigh

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other_____

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

Optional
Proj. Due Date:
Proj. Name:

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other_____

Thermometer Used: IR Gun T1102 (T1301) **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor **T1102**: No Correction **T1301**: No Correction

Corrected Cooler Temp.: 3.9 **C** **Biological Tissue is Frozen:** Yes No (N/A)

Temp should be above freezing to 6°C

Date and Initials of person examining contents: TD 8/27/13

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review:	AMB	**Date:**	8-27-13
SRF Review:	TMD	**Date:**	8-27-13

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)

WO#: 92170062

92170062

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1690956

Section A Required Client Information:

Company: Pyramid
Address: 503 Industrial
Osbo, NC 27406
Email To:
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Pyramid
Copy To:
Purchase Order No.: Carrubaro / Don Christ
Project Name: 2013-161
Project Number:

Section C Invoice Information:

Attention: Mike Jones
Company Name: Pyramid
Address:
Pace Quote Reference:
Pace Project Manager: Kevin Godwin
Pace Profile #: 2982-1

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☑ UST ☐ RCRA ☐ OTHER

Site Location STATE: NC

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start Date	Composite Start Time	Composite End/Grab Date	Composite End/Grab Time	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	CR+Pb	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	DS-6 (MT)	SL	C	7/30 2013	17:00	7/31 2013	13:30		1	X									X		92170062 001
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

TRUST FUND RATES

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Michael Jones	8/2/13	10:15	[signature]	8-27-13	10:15				
	[signature]	8-27-13	11:52	[signature]	8/27/13	11:52	3.9	Y	N	Y

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Michael Jones
SIGNATURE of SAMPLER: Michael Jones
DATE Signed (MM/DD/YY): 8-2-13

ORIGINAL

*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.

KOBELCO

HARPER ARTS

KOBELCO

KOBELCO

KOBELCO

NATIONAL

Soil Volumes For Former UST Area

Main Street Properties of Carrboro, LLC
Don Christian Property -206 E. Main Street

DENR UST Incident # 26797 *DENR UST Permit # 00-026870*

LOAD NUMBER	Date hauled	Area	Tons	
13001	*18-Jul*	UST	17.10	
13002	*18-Jul*	UST	17.02	
13003	*18-Jul*	UST	18.99	
13004	*18-Jul*	UST	17.20	
13005	*18-Jul*	UST	16.35	
13006	*18-Jul*	UST	26.50	
13007	*18-Jul*	UST	19.05	
13008	*18-Jul*	UST	19.39	
13009	*18-Jul*	UST	28.23	
13010	*18-Jul*	UST	22.36	
13011	*18-Jul*	UST	19.64	
13012	*18-Jul*	UST	28.91	
13013	*18-Jul*	UST	22.46	
13014	*18-Jul*	UST	19.90	
13015	*18-Jul*	UST	31.46	
13016	19-Jul	UST	24.52	
13017	19-Jul	UST	20.32	
13018	19-Jul	UST	28.32	
13019	19-Jul	UST	27.46	
13020	19-Jul	UST	26.54	
13021	19-Jul	UST	26.53	
13022	19-Jul	UST	27.72	
13023	19-Jul	UST	23.96	
13024	22-Jul	UST	20.98	
13025	22-Jul	UST	32.10	
13026	22-Jul	UST	22.54	
13027	22-Jul	UST	27.14	
13028	22-Jul	UST	17.27	
13029	22-Jul	UST	28.46	
13030	22-Jul	UST	16.54	
13031	22-Jul	UST	16.32	
13032	22-Jul	UST	26.30	
13033	22-Jul	UST	20.08	
13034	22-Jul	UST	17.40	
13035	22-Jul	UST	28.82	
13036	22-Jul	UST	19.45	
13037	22-Jul	UST	18.03	
13038	23-Jul	UST	19.16	
13039	23-Jul	UST	25.76	
13040	23-Jul	UST	27.07	
13041	23-Jul	UST	18.50	
Total Tons Removed From the UST Area =			**931.85**	

This Table is for the UST Area Only

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST	Manifest Document No. 13001	Page 1 of
3. Generator's Name and Mailing Address: Don Christian Property, 206 East Main St., Carrboro, NC	1. Generator's US EPA ID No.	
	4. Generator's Phone	
5. Transporter 1 Company Name / 6. US EPA ID No.	B. Transporter 1 Phone	
7. Transporter 2 Company Name / 8. US EPA ID No.	D. Transporter 2 Phone	
9. Designated Facility Name and Site Address: Earthtec Environmental, Inc., 3145 Rosser Road, Bear Creek, NC 27207	10. US EPA ID Number	
	F. Facility's Phone (919) 774-4517	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material	01	Dump Truck	1203 ID. NO.	JFH
B)			60480 lb GR wrong tare	
C)			~~30600 lb TR RECALLED~~ 29880 lb NT	
D)	JFH		07/18/13 09:53	

NORTH CAROLINA PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2014
JOE F. HOLDER 31798
INVALID UNLESS SIGNED

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil (UST site) C) 60480 26280 — 1203 ID. NO. ~~30600 lb GR RECALLED~~ JFH 26280 lb TR right tare

B) D) 34200 — ~~4320 lb NT~~

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204

17.10 tons 07/18/13 10:04 DV.02

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

MICHAEL JONES

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL JONES	Michael Jones	07	18	13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Jason D. Ellis	Jason D. Ellis	7	18	13

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year
Frankie Holder	Frankie Holder	7	18	13

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST	Manifest Document No. 13002	Page 1 of
3. Generator's Name and Mailing Address: Don Christian Property, 206 East Main St., Carrboro, NC	1. Generator's US EPA ID No.	
	4. Generator's Phone	
5. Transporter 1 Company Name / 6. US EPA ID No.	8. Transporter 1 Phone	
7. Transporter 2 Company Name / 9. US EPA ID No.	D. Transporter 2 Phone	
9. Designated Facility Name and Site Address: Earthtec Environmental, Inc., 3145 Rosser Road, Bear Creek, NC 27207	10. US EPA ID Number	
	F. Facility's Phone (919) 774-4517	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material	01	Dump Truck		
B)		1204 ID. NO. 58600 lb GR		
C)		07/18/13 09:51		
D)		1204 ID. NO.		

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2014
JOE F. HOLDER 31798
Joe Holder
INVALID UNLESS SIGNED

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil / NST 15.te

B)

C) 58600 lb GR RECALLED
24560 lb TR
34040 lb NT

D) 07/18/13 09:58

17.02 tons

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204

RWT-6

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
MICHAEL JONES	Michael Jones	07 18 13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
BRYAN MATTHEWS	Bryan Matthews	7 18 13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date (Month Day Year)
Frankie Holder	Frankie Holder	7 18 13

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST	Manifest Document No. 13003	Page 1 of
3. Generator's Name and Mailing Address: Don Christian Property, 206 East Main St., Carrboro, NC	1. Generator's US EPA ID No.	
	4. Generator's Phone	
5. Transporter 1 Company Name / 6. US EPA ID No.	B. Transporter 1 Phone	
7. Transporter 2 Company Name / 8. US EPA ID No.	D. Transporter 2 Phone	
9. Designated Facility Name and Site Address: Earthtec Environmental, Inc., 3145 Rosser Road, Bear Creek, NC 27207	10. US EPA ID Number	
	F. Facility's Phone (919) 774-4517	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material	01	Dump Truck		
B)				
C)				
D)				

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2014
JOE F. HOLDER 31798
INVALID UNLESS SIGNED

945 ID. NO.
51300 lb GR
23320 lb TR RECALLED
37980 lb NT
07/18/13 09:48

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil (UST site) C)

B) D)

18.99 tons

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204 UST-area DV03

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL JONES	Michael Jones	07	18	13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Van Phillips	[illegible]			

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year
Frankie Holder	Frankie Holder	7	18	13

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST	Manifest Document No. 13004	Page 1 of
3. Generator's Name and Mailing Address: Don Christian Property, 206 East Main St, Carrboro, NC	1. Generator's US EPA ID No.	
	4. Generator's Phone: 1203 ID. NO.	
5. Transporter 1 Company Name / 6. US EPA ID No.	B. Transporter 1 Phone: 60680 lb GR; 26200 lb TR RECALLED	
7. Transporter 2 Company Name / 8. US EPA ID No.	D. Transporter 2 Phone: 34400 lb NT	
9. Designated Facility Name and Site Address: Earthtec Environmental, Inc., 3145 Rosser Road, Bear Creek, NC 27207	10. US EPA ID Number: 07/18/13 11:51 17.20 Ton	
	F. Facility's Phone: (919) 774-4517	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material	01	Dump Truck		
B)				
C)				
D)				

NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2014 ROBERT LEE 38020 INVALID UNLESS SIGNED

1202 ID. NO. WRONG ID 60700 lb GR 27540 lb TR RECALLED 33160 lb NT 07/18/13 11:47 ~~16.58~~ Ton

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil

B)

C)

D)

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204 UST-Area. DV-02

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL JONES	Michael Jones	07	18	13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Jason D. Ellis	Jason D. Ellis	7	18	13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year
Robert lee	Robert Lee	7	18	13

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST	Manifest Document No. 13005 ~~13005~~	Page 1 of
3. Generator's Name and Mailing Address: Don Christian Property, 206 East Main St, Carrboro, NC	1. Generator's US EPA ID No.	
	4. Generator's Phone	
5. Transporter 1 Company Name / 6. US EPA ID No.	B. Transporter 1 Phone	
7. Transporter 2 Company Name / 8. US EPA ID No.	D. Transporter 2 Phone	
9. Designated Facility Name and Site Address: Earthtec Environmental, Inc., 3145 Rosser Road, Bear Creek, NC 27207	10. US EPA ID Number	
	F. Facility's Phone (919) 774-4517	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material		Dump Truck		
B)				
C)		1204 ID. NO.		
D)		57260 lb GR 24560 lb TR RECALLED 32700 lb NT		

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2014
ROBERT LEE 38029
Robert L
INVALID UNLESS SIGNED

G. Additional Descriptions for Materials Listed Above

07/18/13 12:03

A) Petroleum Contaminated Soil C)

B) D)

16.35 TON

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204 UST - Area RWT 6

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL JONES	Michael Jones	07	18	13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Bryan Matthews	Bryan Matthews	7	18	13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year
Robert lee	Robert L	7	18	13

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST	Manifest Document No. 13006	Page 1 of
3. Generator's Name and Mailing Address: Don Christian Property, 206 East Main St., Carrboro, NC	1. Generator's US EPA ID No.	
	4. Generator's Phone	
5. Transporter 1 Company Name / 6. US EPA ID No.	B. Transporter 1 Phone	
7. Transporter 2 Company Name / 8. US EPA ID No.	D. Transporter 2 Phone	
9. Designated Facility Name and Site Address: Earthtec Environmental, Inc., 3145 Rosser Road, Bear Creek, NC 27207	10. US EPA ID Number	
	F. Facility's Phone (919) 774-4517	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material	01	Dump Truck		
B) NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2014				
C) ROBERT LEE 38029				
D) INVALID UNLESS SIGNED				

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil

B)

C)

D)

945 ID. NO.
76320 lb GR
23320 lb TR RECALLED
53000 lb NT

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204 UST-Area DV-03 26.50 Ton

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL JONES	Michael Jones	07	18	13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Don Phillips	[illegible]	18	[illegible]	13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year
Robert lee	Robert Lee	7	18	13

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST	Manifest Document No. 13007	Page 1 of
3. Generator's Name and Mailing Address: Don Christian Property, 206 East Main St., Carrboro, NC	1. Generator's US EPA ID No.	
	4. Generator's Phone	
5. Transporter 1 Company Name	6. US EPA ID No.	B. Transporter 1 Phone
7. Transporter 2 Company Name	8. US EPA ID No.	D. Transporter 2 Phone
9. Designated Facility Name and Site Address: Earthtec Environmental, Inc., 3145 Rosser Road, Bear Creek, NC 27207	10. US EPA ID Number	
	F. Facility's Phone (919) 774-4517	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material	01	Dump Truck		
B)				
C)				
D)				

NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2014 JOE F. HOLDER 31798 INVALID UNLESS SIGNED

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil

B)

C)

D)

1203 ID# NO.
64380 lb GR
26280 lb TR RECALLED
38100 lb NT
19.05 tons
07/18/13 14:07

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204 UST-Area DV-02

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL JONES	Michael Jones	07	18	13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Jason D. Ellis	Jason D. Ellis	7	18	13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year
Frankie Holder	Frankie Holder	7	18	13

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST		Manifest Document No. 13008	Page 1 of
3. Generator's Name and Mailing Address	Don Christian Property 206 East Main St. Carrboro, NC	1. Generator's US EPA ID No.	
		4. Generator's Phone	
5. Transporter 1 Company Name	6. US EPA ID No.	B. Transporter 1 Phone	
7. Transporter 2 Company Name	8. US EPA ID No.	D. Transporter 2 Phone	
9. Designated Facility Name and Site Address	Earthtec Environmental, Inc. 3145 Rosser Road Bear Creek, NC 27207	10. US EPA ID Number	
		F. Facility's Phone	(919) 774-4517

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material	01	Dump Truck		
B)				
C)				
D)			1204 ID. NO.	

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2014
JOE F. HOLDER 31798
Joe F Holder
INVALID UNLESS SIGNED

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil

B)

C)

D)

63340 lb GR
24560 lb TR RECALLED
38780 lb NT

07/18/13 14:18

19.39 tons

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204 UST- Area RNT-6

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL G. JONES	Michael Jones	07	18	13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
BRYAN MATTHEWS	Bryan Matthews	7	18	13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year
Frankie Holder	Frankie Holder	7	18	13

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST		Manifest Document No. 13009	Page 1 of
3. Generator's Name and Mailing Address	Don Christian Property 206 East Main St. Carrboro, NC	1. Generator's US EPA ID No. 4. Generator's Phone	
5. Transporter 1 Company Name	6. US EPA ID No.	B. Transporter 1 Phone	
7. Transporter 2 Company Name	8. US EPA ID No.	D. Transporter 2 Phone	
9. Designated Facility Name and Site Address	Earthtec Environmental, Inc. 3145 Rosser Road Bear Creek, NC 27207	10. US EPA ID Number F. Facility's Phone (919) 774-4517	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material	01	Dump Truck		
B)				
C)				
D)				

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2014
ROBERT LEE 38029
INVALID UNLESS SIGNED

945 ID. NO.
79780 lb GR
23320 lb TR RECALLED
56460 lb NT
07/18/13 14:37

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil C)

B) D)

28.23 TON

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204 UST-Area DV-03

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL JONES	Michael Jones	07	18	13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
JON PHILLIPS	[illegible]	18	JUL	13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year
Robert lee	Robert Lee	7	18	13

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST		Manifest Document No. 13010	Page 1 of
3. Generator's Name and Mailing Address	Don Christian Property 206 East Main St. Carrboro, NC	1. Generator's US EPA ID No. 4. Generator's Phone	
5. Transporter 1 Company Name	6. US EPA ID No.	B. Transporter 1 Phone	
7. Transporter 2 Company Name	8. US EPA ID No.	D. Transporter 2 Phone	
9. Designated Facility Name and Site Address	Earthtec Environmental, Inc. 3145 Rosser Road Bear Creek, NC 27207	10. US EPA ID Number F. Facility's Phone (919) 774-4517	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material	01	Dump Truck		
B)				
C)				
D)				

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2014
JOE F. HOLDER 31798
INVALID UNLESS SIGNED

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil

B)

C)

D)

1203 ID. NO.
71000 lb GR
26280 lb TR RECALLED
44720 lb NT

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204 UST- Area DV-02 07/18/13 16:03 22.36 tons

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL JONES	Michael Jones	07	18	13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Jason D. Ellis	Jason D. Ellis	07	18	13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year
Frankie Holder	Frankie Holder	7	18	13

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST		Manifest Document No. 13011	Page 1 of
3. Generator's Name and Mailing Address	Don Christian Property 206 East Main St. Carrboro, NC	1. Generator's US EPA ID No. 4. Generator's Phone	
5. Transporter 1 Company Name	6. US EPA ID No.	B. Transporter 1 Phone	
7. Transporter 2 Company Name	8. US EPA ID No.	D. Transporter 2 Phone	
9. Designated Facility Name and Site Address	Earthtec Environmental, Inc. 3145 Rosser Road Bear Creek, NC 27207	10. US EPA ID Number F. Facility's Phone (919) 774-4517	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material UST Area	01	Dump Truck		
B)				
C)				
D)				

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2014
JOB HOLDER 31798
INVALID UNLESS SIGNED

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil

B)

C) 1204 ID. NO.

D) 63840 lb GR
24560 lb TR RECALLED
39280 lb NT

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204 UST- Area RWT-6 07/18/13 16:14 19.64 tons

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL JONES	Michael Jones	07	18	13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
BRYAN MATTHEWS	Bryan Matthews	7	18	13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year
Frankie Holder	Frankie Holder	7	18	13

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST		Manifest Document No. 13012	Page 1 of
3. Generator's Name and Mailing Address	Don Christian Property 206 East Main St. Carrboro, NC	1. Generator's US EPA ID No.	
		4. Generator's Phone	
5. Transporter 1 Company Name	6. US EPA ID No.	B. Transporter 1 Phone	
7. Transporter 2 Company Name	8. US EPA ID No.	D. Transporter 2 Phone	
9. Designated Facility Name and Site Address	Earthtec Environmental, Inc. 3145 Rosser Road Bear Creek, NC 27207	10. US EPA ID Number	
		F. Facility's Phone (919) 774-4517	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material		Dump Truck		
B)				
C)		945 ID. NO.		
D)		81140 lb GR 23320 lb TR RECALLED 57820 lb NT		

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2014
JOE F. HOLDER 31798
Joe F Holder
INVALID UNLESS SIGNED

UST Area

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil C) 07/18/13 16:34

B) D) 28.91 tons

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204 UST- Area. DV-03

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL G. JONES	Michael Jones	07	18	13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Thad Phillips	[illegible]	7	18	13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year
Frankie Holder	Frankie Holder	7	18	13

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST	Manifest Document No. 13013	Page 1 of
3. Generator's Name and Mailing Address: Don Christian Property, 206 East Main St., Carrboro, NC	1. Generator's US EPA ID No.	
	4. Generator's Phone	
5. Transporter 1 Company Name / 6. US EPA ID No.	B. Transporter 1 Phone	
7. Transporter 2 Company Name / 8. US EPA ID No.	D. Transporter 2 Phone	
9. Designated Facility Name and Site Address: Earthtec Environmental, Inc., 3145 Rosser Road, Bear Creek, NC 27207	10. US EPA ID Number	
	F. Facility's Phone (919) 774-4517	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material UST Area	01	Dump Truck		
B) NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2014				
C) ROBERT LEE 38029			1203 ID. NO.	
D) INVALID UNLESS SIGNED			71200 lb GR 26280 lb TR RECALLED 44920 lb NT	

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil

B)

C) 07/18/13 18:11 22.46 TON

D)

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204 UST-Area DN-02

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL JONES	Michael Jones	07	18	13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Jason D. Ellis	Jason D. Ellis	07	18	13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year
Robert lee	Robert L	7	18	13

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST	Manifest Document No. 13014	Page 1 of
3. Generator's Name and Mailing Address: Don Christian Property, 206 East Main St, Carrboro, NC	1. Generator's US EPA ID No.	
	4. Generator's Phone	
5. Transporter 1 Company Name	6. US EPA ID No.	B. Transporter 1 Phone
7. Transporter 2 Company Name	8. US EPA ID No.	D. Transporter 2 Phone
9. Designated Facility Name and Site Address: Earthtec Environmental, Inc., 3145 Rosser Road, Bear Creek, NC 27207	10. US EPA ID Number	
	F. Facility's Phone (919) 774-4517	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material UST AREA	01	Dump Truck		
B) NORTH CAROLINA PUBLIC WEIGHMASTER				
C) LICENSE EXPIRES JUNE 30, 2014 ROBERT LEE 38029				
D) INVALID UNLESS SIGNED				

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil

B)

C)

D)

1204 ID- NO.

64360 lb GR
24560 lb TR RECALLED
39800 lb NT

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204 (UST-Area) 07/18/13 18:21 RWT 6 19.90TON

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL JONES	Michael Jones	07	18	13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
BRYAN Matthews	Bryan Matthews	7	18	13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year
Robert lee	Robert Lee	7	18	13

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST		Manifest Document No. 13015	Page 1 of
3. Generator's Name and Mailing Address	Don Christian Property 206 East Main St. Carrboro, NC	1. Generator's US EPA ID No.	
		4. Generator's Phone	
5. Transporter 1 Company Name	6. US EPA ID No.	B. Transporter 1 Phone	
7. Transporter 2 Company Name	8. US EPA ID No.	D. Transporter 2 Phone	
9. Designated Facility Name and Site Address	Earthtec Environmental, Inc. 3145 Rosser Road Bear Creek, NC 27207	10. US EPA ID Number	
		F. Facility's Phone (919) 774-4517	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material UST Area	01	Dump Truck	86240 lb GR 23320 lb TR RECALLED 62920 lb NT	
B) NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2014		07/18/13 18:39		
C) ROBERT LEE 38029				
D) INVALID UNLESS SIGNED			8	31.46 TON

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil C)

B) D)

DV03

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204 UST-Area

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL JONES	Michael Jones	07	18	13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
DON PHILLIPS	[illegible]	7	18	13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year
Robert lee	[illegible]	7	18	13

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST		Manifest Document No. 13016	Page 1 of
3. Generator's Name and Mailing Address	Don Christian Property 206 East Main St. Carrboro, NC	1. Generator's US EPA ID No.	
		4. Generator's Phone 1205 ID. NO.	
5. Transporter 1 Company Name	6. US EPA ID No.	B. Transporter 1 Phone 1b GR RECALLED 27540 1b TR	
7. Transporter 2 Company Name	8. US EPA ID No.	D. Transporter 2 Phone 1b NT 07/19/13 09:39	
9. Designated Facility Name and Site Address	Earthtec Environmental, Inc. 3145 Rosser Road Bear Creek, NC 27207	10. US EPA ID Number	
		F. Facility's Phone (919) 774-4517	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material		Dump Truck	1205 ID. NO. 76580 1b GR	
B)			07/19/13 09:32	
C)				
D)			1205 ID. NO. 27320 1b TR 49060 1b NT	

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2014
JOE F. HOLDER 31798
Joe F. Holder
INVALID UNLESS SIGNED

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil C) 07/19/13 09:39 24.52 tons

B) D)

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204 UST- Area LT-12

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL JONES	Michael Jones	07	19	13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Donald Lawler	Donald Lawler			

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year
Frankie Holder	Frankie Holder	7	19	13

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST	Manifest Document No. 13017	Page 1 of
3. Generator's Name and Mailing Address: Don Christian Property, 206 East Main St., Carrboro, NC	1. Generator's US EPA ID No.	
	4. Generator's Phone	
5. Transporter 1 Company Name / 6. US EPA ID No.	B. Transporter 1 Phone	
7. Transporter 2 Company Name / 8. US EPA ID No.	D. Transporter 2 Phone	
9. Designated Facility Name and Site Address: Earthtec Environmental, Inc., 3145 Rosser Road, Bear Creek, NC 27207	10. US EPA ID Number	
	F. Facility's Phone (919) 774-4517	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material		Dump Truck		
B)				
C)				
D)				

NORTH CAROLINA PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2014
JOE F. HOLDER 31798
INVALID UNLESS SIGNED

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil
B)
C)
D)

1203 ID. NO.
66920 lb GR
26280 lb TR RECALLED
40640 lb NT
20.32 tons
07/19/13 09:58

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204 UST-Area PV02

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL JONES	Michael Jones	07	19	13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Jason D. Ellis	Jason D. Ellis	07	19	13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year
Frankie Holder	Frankie Holder	7	19	13

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST		Manifest Document No. 13018	Page 1 of
3. Generator's Name and Mailing Address	Don Christian Property 206 East Main St. Carrboro, NC	1. Generator's US EPA ID No. 4. Generator's Phone	
5. Transporter 1 Company Name	6. US EPA ID No.	B. Transporter 1 Phone	
7. Transporter 2 Company Name	8. US EPA ID No.	D. Transporter 2 Phone	
9. Designated Facility Name and Site Address	Earthtec Environmental, Inc. 3145 Rosser Road Bear Creek, NC 27207	10. US EPA ID Number F. Facility's Phone (919) 774-4517	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material UST Area		Dump Truck		
B)				
C)			1206 ID. NO. 81680 lb GR 07/19/13 10:27	
D)			1206 ID. NO.	

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2014
JOE F. HOLDER 31798
INVALID UNLESS SIGNED

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil

B)

C) 81680 lb GR RECALLED
25040 lb TR
56640 lb NT

D) 07/19/13 10:38

28.32 tons

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204 UST-Area ST-11

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL JONES	Michael Jones	07	19	13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Nick Stone	Nicholas Stone	7	19	13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year
Frankie Holder	Frankie Holder	7	19	13

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST	Manifest Document No. 13019	Page 1 of
3. Generator's Name and Mailing Address: Don Christian Property, 206 East Main St., Carrboro, NC	1. Generator's US EPA ID No.	
	4. Generator's Phone	
5. Transporter 1 Company Name / 6. US EPA ID No.	B. Transporter 1 Phone	
7. Transporter 2 Company Name / 8. US EPA ID No.	D. Transporter 2 Phone	
9. Designated Facility Name and Site Address: Earthtec Environmental, Inc., 3145 Rosser Road, Bear Creek, NC 27207	10. US EPA ID Number	
	F. Facility's Phone (919) 774-4517	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material UST Area		Dump Truck		
B)		1207 ID. NO. 84040 lb GR 07/19/13 11:04		
C)				
D)		1207 ID. NO.		

NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2014 JOE F. HOLDER 31798 Joe Holder INVALID UNLESS SIGNED

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil

B)

C) 84040 lb GR RECALLED 29120 lb TR 54920 lb NT

D) 07/19/13 11:10

27.46 tons

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204 US T- Area ST-8

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL JONES	Michael Jones	07	19	13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
RAY Robertson	Ray Robertson			

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year
Frankie Holder	Frankie Holder	7	19	13

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST		Manifest Document No. 13020	Page 1 of
3. Generator's Name and Mailing Address	Don Christian Property 206 East Main St Carrboro, NC	1. Generator's US EPA ID No.	
		4. Generator's Phone	
5. Transporter 1 Company Name	6. US EPA ID No.	B. Transporter 1 Phone	
7. Transporter 2 Company Name	8. US EPA ID No.	D. Transporter 2 Phone	
9. Designated Facility Name and Site Address	Earthtec Environmental, Inc. 3145 Rosser Road Bear Creek, NC 27207	10. US EPA ID Number	
		F. Facility's Phone (919) 774-4517	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material UST Area		Dump Truck	26	
B)				
C)				
D)				

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil C)

B) D)

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204 UST-Area ST-8

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL JONES	Michael Jones	07	19	13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST		Manifest Document No. 13021	Page 1 of
3. Generator's Name and Mailing Address	Don Christian Property 206 East Main St. Carrboro, NC	1. Generator's US EPA ID No. 4. Generator's Phone	
5. Transporter 1 Company Name	6. US EPA ID No.	B. Transporter 1 Phone	
7. Transporter 2 Company Name	8. US EPA ID No.	D. Transporter 2 Phone	
9. Designated Facility Name and Site Address	Earthtec Environmental, Inc. 3145 Rosser Road Bear Creek, NC 27207	10. US EPA ID Number F. Facility's Phone (919) 774-4517	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material UST Area		Dump Truck	2653	
B)				
C)				
D)				

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil C)

B) D)

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204 UST-Area LT-12

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL JONES	Michael Jones	07	19	12

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST		Manifest Document No. 13022	2 Page 1 of
3. Generator's Name and Mailing Address	Don Christian Property 206 East Main St. Carrboro, NC	1. Generator's US EPA ID No. 4. Generator's Phone	
5. Transporter 1 Company Name	6. US EPA ID No.	A. Transporter 1 Phone	
7. Transporter 2 Company Name	8. US EPA ID No.	D. Transporter 2 Phone	
9. Designated Facility Name and Site Address	Earthtec Environmental, Inc. 3145 Rosser Road Bear Creek, NC 27207	10. US EPA ID Number F. Facility's Phone (919) 774-4517	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material UST Area		Dump Truck	27.72	
B)				
C)				
D)				

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil C)

B) D)

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204 WAT-GARCO ST-11

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL JONES	Michael Jones	07	19	13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Nick Stone	Nicholas Stone			

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST		Manifest Document No. 13023	Page 1 of
3. Generator's Name and Mailing Address	Don Christian Property 206 East Main St. Carrboro, NC	1. Generator's US EPA ID No.	
		4. Generator's Phone	
5. Transporter 1 Company Name	6. US EPA ID No.	B. Transporter 1 Phone	
7. Transporter 2 Company Name	8. US EPA ID No.	D. Transporter 2 Phone	
9. Designated Facility Name and Site Address	Earthtec Environmental, Inc. 3145 Rosser Road Bear Creek, NC 27207	10. US EPA ID Number	
		F. Facility's Phone (919) 774-4517	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material UST Area		Dump Truck	23.96	
B)				
C)				
D)				

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil C)

B) D)

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204 UST-Area DV-02

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL JONES	Michael Jones	07	19	13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Jason D. Ellis	Jason D. Ellis	07	19	13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST		Manifest Document No. B024	Page 1 of
3. Generator's Name and Mailing Address	Don Christian Property 206 East Main St. Carrboro, NC	1. Generator's US EPA ID No. 4. Generator's Phone	
5. Transporter 1 Company Name	6. US EPA ID No.	B. Transporter 1 Phone	
7. Transporter 2 Company Name	8. US EPA ID No.	D. Transporter 2 Phone	
9. Designated Facility Name and Site Address	Earthtec Environmental, Inc. 3145 Rosser Road Bear Creek, NC 27207	10. US EPA ID Number F. Facility's Phone (919) 774-4517	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material UST Area	01	Dump Truck		
B) NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2014				
C) ROBERT LEE 38029				
D) INVALID UNLESS SIGNED		1204	ID. NO.	

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil

B)

C) 66520 lb GR
24560 lb TR RECALLED
41960 lb NT

D) 07/22/13 09:50 20.98 TON

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204 UST-Area RWT-1b

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL JONES	Michael Jones	07	19	13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
BRYAN MATTHEWS	Bryan Matthews	07	22	13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year
Robert lee	Robert Lee	7	22	13

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST	Manifest Document No. 13025	Page 1 of
3. Generator's Name and Mailing Address: Don Christian Property, 206 East Main St, Carrboro, NC	1. Generator's US EPA ID No.	
	4. Generator's Phone	
5. Transporter 1 Company Name / 6. US EPA ID No.	B. Transporter 1 Phone	
7. Transporter 2 Company Name / 8. US EPA ID No.	D. Transporter 2 Phone	
9. Designated Facility Name and Site Address: Earthtec Environmental, Inc., 3145 Rosser Road, Bear Creek, NC 27207	10. US EPA ID Number	
	F. Facility's Phone (919) 774-4517	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material UST Area		Dump Truck		
B) NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2014				
C) ROBERT LEE 38029				
D) INVALID UNLESS SIGNED				

947 ID. NO.
92440 lb GR
28240 lb TR RECALLED
64200 lb NT
07/22/13 10:04
32.10 Ton

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil

B)

C)

D)

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204 UST-Area DW06

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL JONES	Michael Jones	07	19	13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Mike Robio	Mike Robio	07	22	13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year
Robert lee	Robert Lee	7	22	13

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST	Manifest Document No. 13026	Page 1 of
3. Generator's Name and Mailing Address: Don Christian Property, 206 East Main St, Carrboro, NC	1. Generator's US EPA ID No.	
	4. Generator's Phone	
5. Transporter 1 Company Name	6. US EPA ID No.	B. Transporter 1 Phone
7. Transporter 2 Company Name	8. US EPA ID No.	D. Transporter 2 Phone
9. Designated Facility Name and Site Address: Earthtec Environmental, Inc., 3145 Rosser Road, Bear Creek, NC 27207		10. US EPA ID Number
		F. Facility's Phone (919) 774-4517

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material UST Area		Dump Truck		
B)			1204 ID. NO.	
C)			69640 lb GR 24560 lb TR, RECALLED	
D)			45080 lb NT	

NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2014 JESSIE GODEREY 31795 INVALID UNLESS SIGNED

07/22/13 11:47

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil

B)

C)

D)

TON 22.54

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204 UST - Area RWT 1.

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL JONES	Michael Jones	07	22	13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Bryan Matthews	Bryan Matthews	07	22	13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year
		7	22	13

FD 1204

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST	Manifest Document No. 13027	Page 1 of
3. Generator's Name and Mailing Address: Don Christian Property, 206 East Main St., Carrboro, NC	1. Generator's US EPA ID No.	
	4. Generator's Phone	
5. Transporter 1 Company Name / 6. US EPA ID No.	B. Transporter 1 Phone	
7. Transporter 2 Company Name / 8. US EPA ID No.	D. Transporter 2 Phone	
9. Designated Facility Name and Site Address: Earthtec Environmental, Inc., 3145 Rosser Road, Bear Creek, NC 27207	10. US EPA ID Number	
	F. Facility's Phone (919) 774-4517	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material UST Area		Dump Truck		
B)				
C)			347 ID. NO.	
D)			92520 lb GR 28240 lb TR RECALLED 54230 lb NT	

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil

B)

C)

D)

NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2014 JESSIE GODFREY 31795 INVALID UNLESS SIGNED

07/22/13 11:59

TON ~~76.14~~ 27.14

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204 UST Area DU06

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL JONES	Michael Jones	07	18	13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Mike Kibler	Mike Kibler	07	22	13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year
		7	22	13

947

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST		Manifest Document No. 13028	Page 1 of
3. Generator's Name and Mailing Address	Don Christian Property 206 East Main St. Carrboro, NC	1. Generator's US EPA ID No.	
		4. Generator's Phone	
5. Transporter 1 Company Name	6. US EPA ID No.	B. Transporter 1 Phone	
7. Transporter 2 Company Name	8. US EPA ID No.	D. Transporter 2 Phone	
9. Designated Facility Name and Site Address	Earthtec Environmental, Inc. 3145 Rosser Road Bear Creek, NC 27207	10. US EPA ID Number	
		F. Facility's Phone (919) 774-4517	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material UST Area		Dump Truck		
B)		684 ID. NO.		
C)		56100 lb GR 21560 lb TR RECALIFD		
D)		34540 lb NT		

NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2014 JESSIE GODFREY 31795 INVALID UNLESS SIGNED

07/22/13 12:51

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil C)

B) D)

TON 17.27

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204 UST-Area GM12

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL JONES	Michael Jones	07	19	13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Trovon K. Matthews	[illegible]	07	22	13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year
	[illegible]	7	22	13

FD 684

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST	Manifest Document No. 13079	Page 1 of
3. Generator's Name and Mailing Address: Don Christian Property, 206 East Main St, Carrboro, NC	1. Generator's US EPA ID No.	
	4. Generator's Phone	
5. Transporter 1 Company Name / 6. US EPA ID No.	B. Transporter 1 Phone	
7. Transporter 2 Company Name / 8. US EPA ID No.	D. Transporter 2 Phone	
9. Designated Facility Name and Site Address: Earthtec Environmental, Inc., 3145 Rosser Road, Bear Creek, NC 27207	10. US EPA ID Number 1150	
	F. Facility's Phone (919) 774-4517	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material		Dump Truck		
B)				
C)				
D)				

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2014
JOE F. HOLDER 31798
INVALID UNLESS SIGNED

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil

B)

C)

D)

947 ID. NO.
85160 lb GR
28240 lb TR RECALLED
56920 lb NT

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204 UST-Area D006 07/22/13 13:44 28.46 tons

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL JONES	Michael Jones	07	19	13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Mike Kile	Mike Kile	07	22	13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year
Frankie Holder	Frankie Holder	7	22	13

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST		Manifest Document No. 13030	Page 1 of
3. Generator's Name and Mailing Address	Don Christian Property 206 East Main St. Carrboro, NC	1. Generator's US EPA ID No.	
		4. Generator's Phone	
5. Transporter 1 Company Name	6. US EPA ID No.	B. Transporter 1 Phone	
7. Transporter 2 Company Name	8. US EPA ID No.	D. Transporter 2 Phone	
9. Designated Facility Name and Site Address	Earthtec Environmental, Inc. 3145 Rosser Road Bear Creek, NC 27207	10. US EPA ID Number	
		F. Facility's Phone (919) 774-4517	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material UST Area		Dump Truck		
B)				
C)				
D)				

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2014
JOE F. HOLDER 31798
Joe F Holder
INVALID UNLESS SIGNED

1204 ID. NO.

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil

B)

C)

D)

57640 lb GR
24560 lb TR RECALLED
33080 lb NT

07/22/13 14:01

16.54 tons

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204 UST - area RMT6

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL JONES	Michael Jones	07	19	13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
BRYAN MATTHEWS	Bryan Matthews			

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year
Frankie Holder	Frankie Holder	7	22	13

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST		Manifest Document No. 13031	Page 1 of
3. Generator's Name and Mailing Address	Don Christian Property 206 East Main St. Carrboro, NC	1. Generator's US EPA ID No.	
		4. Generator's Phone	
5. Transporter 1 Company Name	6. US EPA ID No.	B. Transporter 1 Phone	
7. Transporter 2 Company Name	8. US EPA ID No.	D. Transporter 2 Phone	
9. Designated Facility Name and Site Address	Earthtec Environmental, Inc. 3145 Rosser Road Bear Creek, NC 27207	10. US EPA ID Number	
		F. Facility's Phone (919) 774-4517	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material UST Area		Dump Truck		
B)				
C)				
D)				

NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2014 JOE F. HOLDER 31798 Joe F Holder INVALID UNLESS SIGNED

6R4 TD. NO.

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Soil

B)

C)

D)

54200 lb GR
21560 lb TR RECALLED
32640 lb NT

07/22/13 14:59 16.32 tons

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204 UST Area GM12

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL JONES	Michael Jones	07	22	13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Garner K Mathews	[illegible]			

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date Month	Day	Year
Frankie Holder	Frankie Holder	7	22	13

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. — NA —

Manifest Document No. 13082

2. Page 1 of 1

3. Generator's Name and Mailing Address
MAIN ST. PROPERTIES OF CHAPEL HILL, LLC.
P.O. BOX 2152, CHAPEL HILL NC 27515

4. Generator's Phone (919) 810-4410

5. Transporter 1 Company Name

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
~~SOT EARTHTEC SANFORD~~ 206 E. ~~Main St.~~, EARTHTEC ENVIRONMENTAL SUPERFUND SITE 80 BOX CREEK RD CARRBORO, NC 27510

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION
GASOLINE AND DIESEL CONTAMINATED SOIL

	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a.				
b.			340 ID NO.	
c.			50840 lb BR 28240 lb TR RECALLED	
d.			52600 lb NT 07/22/13 15:40	

NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2014 JESSIE GODFREY 3178 INVALID UNLESS

DU06

G. Additional Descriptions for Materials Listed Above
DON CHRISTIAN PROPERTY FROM GASOLINE + DIESEL UST SITE
206 E Main St. Carrboro, NC

H. Handling Codes for Wastes Listed Above
1W 2630

15. Special Handling Instructions and Additional Information

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Michael Jones - Pyramid 336-335-3574

Printed/Typed Name	Signature	Date Month	Day	Year
MICHAEL JONES	Michael Jones	07	19	13

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Mike K.	Mike K.	07	22	13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date Month	Day	Year

NON-HAZARDOUS WASTE

94

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. — NA

Manifest Document No. 13083

2. Page 1 of 1

3. Generator's Name and Mailing Address
MAIN ST. Properties of Chapel Hill LLC
P.O. BOX 2152, Chapel Hill, NC 27515

4. Generator's Phone (919) 810-4410

5. Transporter 1 Company Name | 6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name | 8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
~~EARTH RE~~ 206 ~~E Main Street~~ ~~Sanford~~ Carrboro, NC
CHATTEC ENVIRONMENTAL 3145 ROSSER RD ZEBULON NC 27207

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION
gasoline + diesel contam. soil

	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a.				
b.			1204	ID. NO.
c.			54720	15 GR
			24560	15 TR RECALLED
d.			40160	15 NT
			07/22/13	16:23

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2014
JESSIE GODFREY 31795
INVALID UNLESS SIGNED

G. Additional Descriptions for Materials Listed Above
From gasoline + diesel UST site
206 E Main St., Carrboro, NC
DON CHRISTIAN PROPERTY RWT 4

H. Handling Codes for Wastes Listed Above
2 COFION

15. Special Handling Instructions and Additional Information

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.
Michael Jones, Pyramid Enviro for Main St. Prop

Printed/Typed Name: MICHAEL JONES 336-335-3174 | Signature: Michael Jones | Date: Month 07 Day 22 Year 13

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Bryan Matthews | Signature: Bryan Matthews | Date: Month 07 Day 22 Year 13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: JESSE GODFREY | Signature | Date: Month 7 Day 22 Year 13

FD 1204

NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. — NA —

Manifest Document No. 12084

2. Page 1 of 1

3. Generator's Name and Mailing Address
MAIN ST. PROPERTIES OF CHAPEL HILL, LLC
P.O. BOX 2152, Chapel Hill, NC 27515

4. Generator's Phone (919) 810-4410

5. Transporter 1 Company Name | 6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name | 8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
~~EARTH RESOURCE CONTROL~~
~~FAYETTE SANFORD~~ 3145 Lossee Rd
~~206 E Main Street, Carrboro, NC~~ BURLINGTON, NC 27207

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

GENERATOR

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
gas diesel contam soil				
a.				
b.				
c.				
d.				

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2014
JESSIE GODFREY 31795
INVALID UNLESS SIGNED

BOL ID. NO.
56360 lb GR
21360 lb TR RETAILED
34800 lb NT
07/22/13 16:57

G. Additional Descriptions for Materials Listed Above
gasoline - diesel contam soil from UST site
206 E. Main Street, Carrboro, NC
DON CHRISTIAN PROPERTY

H. Handling Codes for Wastes Listed Above
TON 17.40

15. Special Handling Instructions and Additional Information

NON-HAZARDOUS WASTE

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Michael Jones / Pyramid for Main St. Prop. (336) 335-3174

Printed/Typed Name: MICHAEL JONES | Signature: Michael Jones | Date: Month 07 Day 22 Year 13

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month 07 Day 22 Year 13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: Jesse Godfrey | Signature | Date: Month 7 Day 22 Year 13

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. - NA -

Manifest Document No. 13035

2. Page 1 of 1

3. Generator's Name and Mailing Address
MAIN ST. PROPERTIES OF CARRY HILL LLC
P.O. BOX 2152, CHAPEL HILL, NC 27515

4. Generator's Phone ( ) 910-4910

5. Transporter 1 Company Name

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
CLEAN TECH COMPANY
DUPLIN CONSTRUCTION LANDFILL 3145 ROSSIE RD
ROSE HILL NC 28458

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. gasoline-diesel contaminated soil			28.82	
b.				
c.				
d. DU06				

G. Additional Descriptions for Materials Listed Above
gasoline & diesel contaminated soil from UST site
700 E. Main St. Lexington, NC 27510

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

MICHAEL JONES for Main St. Properties (336) 235-3174

Printed/Typed Name: MICHAEL JONES

Signature: Michael Jones

Date: Month 07 Day 17 Year 13

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date: Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name

Signature

Date: Month Day Year

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. — NA —

Manifest Document No. 13036

2. Page 1 of 1

3. Generator's Name and Mailing Address
MAIN STR. PROPERTIES OF CHAPEL HILL, LLC
P.O. BOX 2152, CHAPEL HILL, NC 27515

4. Generator's Phone (919) 810-4410

5. Transporter 1 Company Name | 6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name | 8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
~~DON CHRISTIAN PROPERTY~~ EARTHTEC
~~200 E. MAIN ST.~~ 3145 BOSSER RD
~~CARY BOARD NC 27510~~ BOONSBORO NC 27207

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION

	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. gasoline contam. soil w/ diesel				
b.				
c.				
d.				

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2014
JOE F. HOLDER 31798
INVALID UNLESS SIGNED

G. Additional Descriptions for Materials Listed Above
gasoline + diesel contam soil from UST site
RWT 6

H. Handling Codes for Wastes Listed Above
1204 ID. NO.
53460 lb GR
21560 lb TR RECONCILED
38900 lb NT
07/22/13 18:20
19.45 tons

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.
Pyramid Environmental (336) 335-3174 for generator

Printed/Typed Name: MICHAEL JONES | Signature: Michael Jones | Date: Month 07 Day 22 Year 13

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Bryan Matthews | Signature: Bryan Matthews | Date: Month 07 Day 22 Year 13

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: Frankie Holder | Signature: Frankie Holder | Date: Month 7 Day 22 Year 13

NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. – NA –

Manifest Document No. 190[illegible]

2. Page 1 of 1

3. Generator's Name and Mailing Address
MAIN ST PROPERTIES
P.O. BOX 2152, Chapel Hill, NC 27515

4. Generator's Phone (919) 942 9410

5. Transporter 1 Company Name

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
[illegible]
206 E. Main St., [illegible] NC

10. US EPA ID Number
EARTH TECHNOLOGY
3145 Rosser Rd
Burlington NC 27215

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
UST – gasoline & diesel contam. soil				
a.			18.03	
b.				
c.				
d.				

GM12

G. Additional Descriptions for Materials Listed Above
gasoline diesel contam. soil from UST site
206 E. Main St., Carrboro, NC

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Pyramid Enviro for (336) 335-3174 for Main St. Properties

Printed/Typed Name: MICHAEL JUNGE

Signature: Michael Junge

Date: Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date: Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name

Signature

Date: Month Day Year

NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N/A

Manifest Document No.: 13038

2. Page 1 of

3. Generator's Name and Mailing Address: MAIN ST PROPERTIES of CHAPEL HILL LLC
PO Box 2152 CHAPEL HILL NC 27515

4. Generator's Phone (919 810-4410

5. Transporter 1 Company Name | 6. US EPA ID Number | A. State Transporter's ID | B. Transporter 1 Phone

7. Transporter 2 Company Name | 8. US EPA ID Number | C. State Transporter's ID | D. Transporter 2 Phone

9. Designated Facility Name and Site Address: LAETITEC ENVIRONMENTAL
3145 ROSSLER RD
BEAR CREEK NC 27207 | 10. US EPA ID Number | E. State Facility's ID | F. Facility's Phone

GENERATOR

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. GASOLINE & DIESEL CONTAMINATED SOIL			DUMP TRUCK	
b.				
c.			1204	ID. NO.
d. RWT6			64080 LB GR 24560 LB TR RECALLED	

NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2013 JESSIE GODFREY 31705 INVALID UNLESS SIGNED

G. Additional Descriptions for Materials Listed Above
GAS & DIESEL CONTAMINATED SOIL FROM
UST SITE
201 E. MAIN ST
CARRBORO NC 27510 RWT6

H. Handling Codes for Wastes Listed Above
07/23/13 04:54
TON 1976

15. Special Handling Instructions and Additional Information

NON-HAZARDOUS WASTE

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Ryan Brown | Signature | Date: Month 07 Day 23 Year 13

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Bryan Matthews | Signature: Bryan Matthews | Date: Month 07 Day 23 Year 13

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: JESSE GODFREY | Signature | Date: Month 7 Day 23 Year 13

1204

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N/A

Manifest Document No.: 13039

2. Page 1 of

3. Generator's Name and Mailing Address
Main St Properties of Chapel Hill LLC
PO Box 2152 Chapel Hill NC 27515

4. Generator's Phone (919) 810-4410

5. Transporter 1 Company Name | 6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name | 8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Earthtech Environmental
3145 Rosser Rd
Bear Creek NC 27207

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Gasoline & Diesel Contaminated Soil			Dump Truck	
b.				
c.				
d. DUOZ				

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2014
JOE F. HOLDER 31798
INVALID UNLESS SIGNED

G. Additional Descriptions for Materials Listed Above
Gas & Diesel Contaminated Soil from
UST Site
206 E Main St
Carrboro NC 27510

H. Handling Codes for Wastes Listed Above

1203 TOT NO.
77800 lb GR
20280 lb TR RETAINED
51520 lb NT
07/23/13 11:01

15. Special Handling Instructions and Additional Information

25.76 tons

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Ryan Kramer | Signature | Date: Month 07 Day 23 Year 13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Jason D. Ellis | Signature | Date: Month 07 Day 23 Year 13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: Franklin Holder | Signature | Date: Month 7 Day 23 Year 13

GENERATOR | TRANSPORTER | FACILITY | NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N/A

Manifest Document No.: 13010

2. Page 1 of

3. Generator's Name and Mailing Address
MAIN ST Properties of Chapel Hill LLC
PO Box 2152 Chapel Hill NC 27515

4. Generator's Phone (919) 310-4110

5. Transporter 1 Company Name | 6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name | 8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number
EARTH TEC ENVIRONMENTAL
3145 Rosser Rd
Bear Creek NC 27207

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Gasoline & Diesel Contaminated Soil			Dump Truck	
b.				
c.				
d. DUOS		946 ID. NO. 80360 16 GR		

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2014
JOE F. HOLDER 31798
INVALID UNLESS SIGNED

G. Additional Descriptions for Materials Listed Above
Gas & Diesel Contaminated Soil from
UST Site.
206 E. Main St
Carrboro NC 27510

H. Handling Codes for Wastes Listed Above
54140 16 NT
07/23/13 11:04
27.07

15. Special Handling Instructions and Additional Information

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Xuan Km | Signature | Date: Month 07 Day 23 Year 13

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Printed/Typed Name | Signature | Date: Month 07 Day 23 Year 13

18. Transporter 2 Acknowledgement of Receipt of Materials | Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: Franklin Holder | Signature | Date: Month 7 Day 23 Year 13

NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N/A

Manifest Document No.: 13041

2. Page 1 of

3. Generator's Name and Mailing Address
MAIN ST PROPERTIES OF CHAPEL HILL LLC
P.O. BOX 2152 CHAPEL HILL NC 27515

4. Generator's Phone (919) 810-4410

5. Transporter 1 Company Name | 6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name | 8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EARTHTEC ENVIRONMENTAL
3145 ROBBER RD
BOAR CREEK NC 27207

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

GENERATOR

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. GAS & DIESEL CONTAMINATED SOIL			Dump Truck	
b. NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2014				
c. ROBERT LEE 38029 Robert L INVALID UNLESS SIGNED				
d. PWT6		1204 ID. NO.		

G. Additional Descriptions for Materials Listed Above
GAS & DIESEL CONTAMINATED SOIL FROM UST SITE.
206 E. MAIN ST
CARRBORO NC 27510

H. Handling Codes for Wastes Listed Above
24560 lb TR RECALLED
37000 lb NT
07/23/13 12:41
18.50 TON

15. Special Handling Instructions and Additional Information

NON-HAZARDOUS WASTE

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Ryan Kumer | Signature: [signature] | Date: Month 07 Day 23 Year 13

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Bryan Matthews | Signature: Bryan Matthews | Date: Month 07 Day 23 Year 13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: Robert lee | Signature: [signature] | Date: Month 7 Day 23 Year 13

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

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

STATE USE ONLY:
I.D. #_____
Date Received_____

INSTRUCTIONS (READ THIS FIRST)

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

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

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

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

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

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

I. OWNERSHIP OF TANKS

Owner Name (Corporation, Individual, Public Agency, or Other Entity) TMain Street Properties of Chapel Hill, LLC	
Street Address P.O. Box 2152	
City Chapel Hill	County Orange
State NC	Zip Code 27515
Phone Number (919) 810-4410	

II. LOCATION OF TANKS

Facility Name or Company Former Don Christian Property		
Facility ID # (If known) 00-0-026870		
Street Address 206 E. Main Street		
City Carrboro	County Orange	Zip Code 22510
Phone Number Not Applicable		

III. CONTACT PERSONNEL

Contact for Facility: Kevin Benedict		Job Title: Property Owner	Phone. No: (919) 810-4410
Closure Contractor Name: Phil Cauthen.	Closure Contractor Company: GARCO, Inc.	Address: Asheboro, NC	Phone. No: (336) 683-0911
Primary Consultant Name: Michael Jones	Primary Consultant Company: Pyramid Environmental	Address: PO Box 16265, Greensboro, NC 27416	Phone. No: 336-335-3174

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		Noteble odor or visible soil contamination	
							Yes	No	Yes	No	Yes	No
			None				☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐
			None				☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐

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
7	550	6'5" x 42"	Motor Oil	Unkn.	07-30-2013	Orphaned	☐	☒	☐	☒	☒	☐
8	65	14" x 8'5"	Hydaulic Flui	Unkn.	07-30-2013	Orphaned	☐	☒	☐	☒	☒	☐
9	65	14" x 8'5"	Hydaulic Flui	Unkn.	07-30-2013	Orphaned	☐	☒	☐	☒	☒	☐
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐

* 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:
the Property Owner is SAME

VIII. CERTIFICATION

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

Print name and official title of owner or owner's authorized representative	Signature	Date Signed
Michael Jones / Pyramid Opertaions Manager	Michael Jones	08/05/13

GARCO, Inc.

Environmental, Industrial & Recycling Services

Certificate of Disposal

GENERATOR: Main Street Properties
206 East Main Street
Carrboro, NC

MANIFEST #: 13032

MATERIAL ACCEPTED:	DISPOSAL METHOD:
1 - UST(s) - (200 - lbs.) - Non-Hazardous Material - 275 Gallon UST Empty	Recycling
1 - UST(s) - (500 - lbs.) - Non-Hazardous Material - 550 Gallon UST Empty	Recycling
2 - UST(s) - (200 - lbs.) - Non-Hazardous Material - 65 Gallon UST Empty	Recycling
1 - Each(s) - (0 -) - Non-Hazardous Material - 1000 Gallon AST Empty	Recycling

GARCO, Inc accepted the above listed materials on 7/30/2013.

GARCO, Inc has accepted custody of the above referenced non-hazardous material. This material has been determined to be non-hazardous by a material profile, generator knowledge, and/or analytical data provided to GARCO, Inc.

Greg Russell
President

Post Office Box 1907 / Asheboro, NC 27204-1907 / 336-683-0911 / Fax 336-683-0811

STRAIGHT BILL OF LADING

ORIGINAL — NOT NEGOTIABLE

Shipper No. 1308

Page 1 of 1

GARCO, Inc.

(Name of carrier) (SCAC)

Carrier No.

Date 7-30-13

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO: GARCO, Inc.

Consignee

Street 2503 N. Fayetteville St

City Asheboro State NC Zip Code

FROM: Shipper Main Street Properties

Street 206 E. Main St

City Carrboro State NC Zip Code

24 hr. Emergency Contact Tel. No. 800-814-1204

Route

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
01 M		Empty AST 275-Gallon	200	P		
01 M		1-550 gallon UST Empty	500	P		
02 M		2-65 gallon UST Empty	200	P		
01		Empty AST - 1,000 Gallon				

PLACARDS TENDERED: YES ☐ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Main Street Properties

PER Mike Jones / Pyramid

CARRIER Garco, Inc

PER Michael Lamb

DATE 7-30-13

1

Permanent post-office address of shipper.

PRINTED ON RECYCLED PAPER USING SOYBEAN INK PRINTED WITH SOY INK

STYLE F360-3 © 2003 LABELMASTER® (800) 621-5808 www.labelmaster.com

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST	Manifest Document No. 13031	Page 1 of 1
3. Generator's Name and Mailing Address: Main Street Properties, 206 East Main Street, Carrboro, NC	1. Generator's US EPA ID No.	
	4. Generator's Phone	
5. Transporter 1 Company Name: GARCO, Inc.	6. US EPA ID No.: NCR000135384	B. Transporter 1 Phone: (336) 683-0911
7. Transporter 2 Company Name	8. US EPA ID No.	D. Transporter 2 Phone
9. Designated Facility Name and Site Address: GARCO, Inc, 2503 N. Fayetteville St., Asheboro, NC 27203	10. US EPA ID Number: NCR000135384	
	F. Facility's Phone: (336) 683-0911	

11. Waste Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
A) Non-Hazardous Material Hydraulic oil / water	01	Vacuum Truck	475 ~~250~~	G
B)				
C)				
D)				

G. Additional Descriptions for Materials Listed Above

A) Petroleum Contaminated Water

B)

C)

D)

15. Special Handling Instructions and Additional Information

24 Hour ER# 800-814-1204

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
MICHAEL JONES	Michael Jones	07 30 13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
[illegible]	[illegible]	07 30 13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waste materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date (Month Day Year)

Appendix J

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

August 09, 2013

Mr. Mike Jones
Pyramid Environmental
P.O. Box 16265
503 Industrial Avenue
Greensboro, NC 27416

RE: Project: 2013-161
Pace Project No.: 92167279

Dear Mr. Jones:
Enclosed are the analytical results for sample(s) received by the laboratory on August 01, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted 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 Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: 2013-161
Pace Project No.: 92167279

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: 2013-161
Pace Project No.: 92167279

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92167279001	**LIFT 1-NORTH**	MADEP EPH	EJK	7	PASI-C
		EPA 8270	RES	74	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92167279002	**LIFT 1-EAST**	MADEP EPH	EJK	7	PASI-C
		EPA 8270	RES	74	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92167279003	**LIFT 1-SOUTH**	MADEP EPH	EJK	7	PASI-C
		EPA 8270	RES	74	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92167279004	**LIFT 2-SOUTH**	MADEP EPH	EJK	7	PASI-C
		EPA 8270	RES	74	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92167279005	**LIFT 2-WEST**	MADEP EPH	EJK	7	PASI-C
		EPA 8270	RES	74	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92167279006	**LIFT 2-NORTH**	MADEP EPH	EJK	7	PASI-C
		EPA 8270	RES	74	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92167279007	**LIFT 1 9'**	EPA 8015 Modified	EJK	2	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92167279008	**LIFT 2 9'**	EPA 8015 Modified	EJK	2	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92167279009	**DS-6 LIFT#2 AREA**	EPA 8015 Modified	EJK	2	PASI-C
		ASTM D2974-87	JEA	1	PASI-C

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 2013-161
Pace Project No.: 92167279

Sample: LIFT 1-NORTH **Lab ID: 92167279001** Collected: 07/31/13 13:45 Received: 08/01/13 14:35 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)	ND	mg/kg	12.4	1	08/02/13 10:20	08/07/13 07:59		N2
Aliphatic (C19-C36)	ND	mg/kg	12.4	1	08/02/13 10:20	08/07/13 07:59		N2
Aromatic (C11-C22)	ND	mg/kg	12.4	1	08/02/13 10:20	08/07/13 07:59		N2
Surrogates								
Nonatriacontane (S)	81	%	40-140	1	08/02/13 10:20	08/07/13 07:59	7194-86-7	
o-Terphenyl (S)	92	%	40-140	1	08/02/13 10:20	08/07/13 07:59	84-15-1	
2-Fluorobiphenyl (S)	113	%	40-140	1	08/02/13 10:20	08/07/13 07:59	321-60-8	
2-Bromonaphthalene (S)	132	%	40-140	1	08/02/13 10:20	08/07/13 07:59	580-13-2	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	83-32-9	
Acenaphthylene	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	208-96-8	
Aniline	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	62-53-3	
Anthracene	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	120-12-7	
Benzo(a)anthracene	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	56-55-3	
Benzo(a)pyrene	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	207-08-9	
Benzoic Acid	ND	ug/kg	2040	1	08/02/13 10:50	08/05/13 18:17	65-85-0	
Benzyl alcohol	ND	ug/kg	816	1	08/02/13 10:50	08/05/13 18:17	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	101-55-3	
Butylbenzylphthalate	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	816	1	08/02/13 10:50	08/05/13 18:17	59-50-7	
4-Chloroaniline	ND	ug/kg	2040	1	08/02/13 10:50	08/05/13 18:17	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	108-60-1	
2-Chloronaphthalene	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	91-58-7	
2-Chlorophenol	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	7005-72-3	
Chrysene	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	53-70-3	
Dibenzofuran	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2040	1	08/02/13 10:50	08/05/13 18:17	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	120-83-2	
Diethylphthalate	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	105-67-9	
Dimethylphthalate	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	131-11-3	
Di-n-butylphthalate	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	816	1	08/02/13 10:50	08/05/13 18:17	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2040	1	08/02/13 10:50	08/05/13 18:17	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	121-14-2	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 2013-161
Pace Project No.: 92167279

Sample: LIFT 1-NORTH **Lab ID: 92167279001** Collected: 07/31/13 13:45 Received: 08/01/13 14:35 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							
2,6-Dinitrotoluene	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	606-20-2	
Di-n-octylphthalate	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	117-81-7	
Fluoranthene	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	206-44-0	
Fluorene	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	87-68-3	
Hexachlorobenzene	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	77-47-4	
Hexachloroethane	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	193-39-5	
Isophorone	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	78-59-1	
1-Methylnaphthalene	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	90-12-0	
2-Methylnaphthalene	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17		
Naphthalene	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	91-20-3	
2-Nitroaniline	ND	ug/kg	2040	1	08/02/13 10:50	08/05/13 18:17	88-74-4	
3-Nitroaniline	ND	ug/kg	2040	1	08/02/13 10:50	08/05/13 18:17	99-09-2	
4-Nitroaniline	ND	ug/kg	816	1	08/02/13 10:50	08/05/13 18:17	100-01-6	
Nitrobenzene	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	98-95-3	
2-Nitrophenol	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	88-75-5	
4-Nitrophenol	ND	ug/kg	2040	1	08/02/13 10:50	08/05/13 18:17	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	86-30-6	
Pentachlorophenol	ND	ug/kg	2040	1	08/02/13 10:50	08/05/13 18:17	87-86-5	
Phenanthrene	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	85-01-8	
Phenol	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	108-95-2	
Pyrene	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	408	1	08/02/13 10:50	08/05/13 18:17	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	54	%	23-110	1	08/02/13 10:50	08/05/13 18:17	4165-60-0	
2-Fluorobiphenyl (S)	61	%	30-110	1	08/02/13 10:50	08/05/13 18:17	321-60-8	
Terphenyl-d14 (S)	69	%	28-110	1	08/02/13 10:50	08/05/13 18:17	1718-51-0	
Phenol-d6 (S)	67	%	22-110	1	08/02/13 10:50	08/05/13 18:17	13127-88-3	
2-Fluorophenol (S)	69	%	13-110	1	08/02/13 10:50	08/05/13 18:17	367-12-4	
2,4,6-Tribromophenol (S)	63	%	27-110	1	08/02/13 10:50	08/05/13 18:17	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**19.1**	%	0.10	1		08/02/13 13:40		

REPORT OF LABORATORY ANALYSIS

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 2013-161
Pace Project No.: 92167279

Sample: LIFT 1-EAST **Lab ID: 92167279002** Collected: 07/31/13 13:15 Received: 08/01/13 14:35 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)	ND	mg/kg	11.8	1	08/02/13 10:20	08/07/13 08:32		N2
Aliphatic (C19-C36)	ND	mg/kg	11.8	1	08/02/13 10:20	08/07/13 08:32		N2
Aromatic (C11-C22)	ND	mg/kg	11.8	1	08/02/13 10:20	08/07/13 08:32		N2
Surrogates								
Nonatriacontane (S)	79	%	40-140	1	08/02/13 10:20	08/07/13 08:32	7194-86-7	
o-Terphenyl (S)	69	%	40-140	1	08/02/13 10:20	08/07/13 08:32	84-15-1	
2-Fluorobiphenyl (S)	83	%	40-140	1	08/02/13 10:20	08/07/13 08:32	321-60-8	
2-Bromonaphthalene (S)	99	%	40-140	1	08/02/13 10:20	08/07/13 08:32	580-13-2	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	83-32-9	
Acenaphthylene	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	208-96-8	
Aniline	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	62-53-3	
Anthracene	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	120-12-7	
Benzo(a)anthracene	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	56-55-3	
Benzo(a)pyrene	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	207-08-9	
Benzoic Acid	ND	ug/kg	1940	1	08/02/13 10:50	08/05/13 18:50	65-85-0	
Benzyl alcohol	ND	ug/kg	776	1	08/02/13 10:50	08/05/13 18:50	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	101-55-3	
Butylbenzylphthalate	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	776	1	08/02/13 10:50	08/05/13 18:50	59-50-7	
4-Chloroaniline	ND	ug/kg	1940	1	08/02/13 10:50	08/05/13 18:50	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	108-60-1	
2-Chloronaphthalene	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	91-58-7	
2-Chlorophenol	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	7005-72-3	
Chrysene	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	53-70-3	
Dibenzofuran	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1940	1	08/02/13 10:50	08/05/13 18:50	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	120-83-2	
Diethylphthalate	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	105-67-9	
Dimethylphthalate	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	131-11-3	
Di-n-butylphthalate	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	776	1	08/02/13 10:50	08/05/13 18:50	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1940	1	08/02/13 10:50	08/05/13 18:50	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	121-14-2	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 2013-161
Pace Project No.: 92167279

Sample: LIFT 1-EAST **Lab ID: 92167279002** Collected: 07/31/13 13:15 Received: 08/01/13 14:35 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							
2,6-Dinitrotoluene	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	606-20-2	
Di-n-octylphthalate	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	117-81-7	
Fluoranthene	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	206-44-0	
Fluorene	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	87-68-3	
Hexachlorobenzene	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	77-47-4	
Hexachloroethane	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	193-39-5	
Isophorone	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	78-59-1	
1-Methylnaphthalene	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	90-12-0	
2-Methylnaphthalene	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50		
Naphthalene	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	91-20-3	
2-Nitroaniline	ND	ug/kg	1940	1	08/02/13 10:50	08/05/13 18:50	88-74-4	
3-Nitroaniline	ND	ug/kg	1940	1	08/02/13 10:50	08/05/13 18:50	99-09-2	
4-Nitroaniline	ND	ug/kg	776	1	08/02/13 10:50	08/05/13 18:50	100-01-6	
Nitrobenzene	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	98-95-3	
2-Nitrophenol	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	88-75-5	
4-Nitrophenol	ND	ug/kg	1940	1	08/02/13 10:50	08/05/13 18:50	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	86-30-6	
Pentachlorophenol	ND	ug/kg	1940	1	08/02/13 10:50	08/05/13 18:50	87-86-5	
Phenanthrene	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	85-01-8	
Phenol	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	108-95-2	
Pyrene	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	388	1	08/02/13 10:50	08/05/13 18:50	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	57	%	23-110	1	08/02/13 10:50	08/05/13 18:50	4165-60-0	
2-Fluorobiphenyl (S)	64	%	30-110	1	08/02/13 10:50	08/05/13 18:50	321-60-8	
Terphenyl-d14 (S)	73	%	28-110	1	08/02/13 10:50	08/05/13 18:50	1718-51-0	
Phenol-d6 (S)	68	%	22-110	1	08/02/13 10:50	08/05/13 18:50	13127-88-3	
2-Fluorophenol (S)	67	%	13-110	1	08/02/13 10:50	08/05/13 18:50	367-12-4	
2,4,6-Tribromophenol (S)	67	%	27-110	1	08/02/13 10:50	08/05/13 18:50	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**14.9**	%	0.10	1		08/02/13 13:41		

REPORT OF LABORATORY ANALYSIS

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 2013-161
Pace Project No.: 92167279

Sample: LIFT 1-SOUTH **Lab ID: 92167279003** Collected: 07/31/13 13:10 Received: 08/01/13 14:35 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)	**502**	mg/kg	231	20	08/02/13 10:20	08/07/13 20:01		N2
Aliphatic (C19-C36)	**240**	mg/kg	231	20	08/02/13 10:20	08/07/13 20:01		N2
Aromatic (C11-C22)	**385**	mg/kg	57.6	5	08/02/13 10:20	08/07/13 20:01		N2
Surrogates								
Nonatriacontane (S)	0	%	40-140	20	08/02/13 10:20	08/07/13 20:01	7194-86-7	S4
o-Terphenyl (S)	0	%	40-140	5	08/02/13 10:20	08/07/13 20:01	84-15-1	S4
2-Fluorobiphenyl (S)	0	%	40-140	5	08/02/13 10:20	08/07/13 20:01	321-60-8	S4
2-Bromonaphthalene (S)	0	%	40-140	5	08/02/13 10:20	08/07/13 20:01	580-13-2	S4
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	83-32-9	
Acenaphthylene	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	208-96-8	
Aniline	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	62-53-3	
Anthracene	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	120-12-7	
Benzo(a)anthracene	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	56-55-3	
Benzo(a)pyrene	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	207-08-9	
Benzoic Acid	ND	ug/kg	1900	1	08/02/13 10:50	08/05/13 19:23	65-85-0	
Benzyl alcohol	ND	ug/kg	761	1	08/02/13 10:50	08/05/13 19:23	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	101-55-3	
Butylbenzylphthalate	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	761	1	08/02/13 10:50	08/05/13 19:23	59-50-7	
4-Chloroaniline	ND	ug/kg	1900	1	08/02/13 10:50	08/05/13 19:23	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	108-60-1	
2-Chloronaphthalene	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	91-58-7	
2-Chlorophenol	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	7005-72-3	
Chrysene	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	53-70-3	
Dibenzofuran	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1900	1	08/02/13 10:50	08/05/13 19:23	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	120-83-2	
Diethylphthalate	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	105-67-9	
Dimethylphthalate	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	131-11-3	
Di-n-butylphthalate	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	761	1	08/02/13 10:50	08/05/13 19:23	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1900	1	08/02/13 10:50	08/05/13 19:23	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	121-14-2	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 2013-161
Pace Project No.: 92167279

Sample: LIFT 1-SOUTH **Lab ID: 92167279003** Collected: 07/31/13 13:10 Received: 08/01/13 14:35 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							
2,6-Dinitrotoluene	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	606-20-2	
Di-n-octylphthalate	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	117-81-7	
Fluoranthene	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	206-44-0	
Fluorene	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	87-68-3	
Hexachlorobenzene	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	77-47-4	
Hexachloroethane	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	193-39-5	
Isophorone	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	78-59-1	
1-Methylnaphthalene	**1570**	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	90-12-0	
2-Methylnaphthalene	**2610**	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23		
Naphthalene	**1440**	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	91-20-3	
2-Nitroaniline	ND	ug/kg	1900	1	08/02/13 10:50	08/05/13 19:23	88-74-4	
3-Nitroaniline	ND	ug/kg	1900	1	08/02/13 10:50	08/05/13 19:23	99-09-2	
4-Nitroaniline	ND	ug/kg	761	1	08/02/13 10:50	08/05/13 19:23	100-01-6	
Nitrobenzene	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	98-95-3	
2-Nitrophenol	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	88-75-5	
4-Nitrophenol	ND	ug/kg	1900	1	08/02/13 10:50	08/05/13 19:23	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	86-30-6	
Pentachlorophenol	ND	ug/kg	1900	1	08/02/13 10:50	08/05/13 19:23	87-86-5	
Phenanthrene	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	85-01-8	
Phenol	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	108-95-2	
Pyrene	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	380	1	08/02/13 10:50	08/05/13 19:23	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	63	%	23-110	1	08/02/13 10:50	08/05/13 19:23	4165-60-0	
2-Fluorobiphenyl (S)	59	%	30-110	1	08/02/13 10:50	08/05/13 19:23	321-60-8	
Terphenyl-d14 (S)	70	%	28-110	1	08/02/13 10:50	08/05/13 19:23	1718-51-0	
Phenol-d6 (S)	61	%	22-110	1	08/02/13 10:50	08/05/13 19:23	13127-88-3	
2-Fluorophenol (S)	59	%	13-110	1	08/02/13 10:50	08/05/13 19:23	367-12-4	
2,4,6-Tribromophenol (S)	71	%	27-110	1	08/02/13 10:50	08/05/13 19:23	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**13.2**	%	0.10	1		08/02/13 13:41		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 2013-161
Pace Project No.: 92167279

Sample: LIFT 2-SOUTH **Lab ID: 92167279004** Collected: 07/31/13 13:05 Received: 08/01/13 14:35 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)	**49.2**	mg/kg	21.9	2	08/02/13 10:20	08/07/13 22:10		N2
Aliphatic (C19-C36)	ND	mg/kg	21.9	2	08/02/13 10:20	08/07/13 22:10		N2
Aromatic (C11-C22)	**15.0**	mg/kg	10.9	1	08/02/13 10:20	08/07/13 09:36		N2
Surrogates								
Nonatriacontane (S)	115	%	40-140	2	08/02/13 10:20	08/07/13 22:10	7194-86-7	
o-Terphenyl (S)	81	%	40-140	1	08/02/13 10:20	08/07/13 09:36	84-15-1	
2-Fluorobiphenyl (S)	108	%	40-140	1	08/02/13 10:20	08/07/13 09:36	321-60-8	
2-Bromonaphthalene (S)	162	%	40-140	1	08/02/13 10:20	08/07/13 09:36	580-13-2	S5
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	83-32-9	
Acenaphthylene	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	208-96-8	
Aniline	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	62-53-3	
Anthracene	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	120-12-7	
Benzo(a)anthracene	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	56-55-3	
Benzo(a)pyrene	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	207-08-9	
Benzoic Acid	ND	ug/kg	1810	1	08/02/13 10:50	08/05/13 19:56	65-85-0	
Benzyl alcohol	ND	ug/kg	722	1	08/02/13 10:50	08/05/13 19:56	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	101-55-3	
Butylbenzylphthalate	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	722	1	08/02/13 10:50	08/05/13 19:56	59-50-7	
4-Chloroaniline	ND	ug/kg	1810	1	08/02/13 10:50	08/05/13 19:56	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	108-60-1	
2-Chloronaphthalene	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	91-58-7	
2-Chlorophenol	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	7005-72-3	
Chrysene	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	53-70-3	
Dibenzofuran	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1810	1	08/02/13 10:50	08/05/13 19:56	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	120-83-2	
Diethylphthalate	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	105-67-9	
Dimethylphthalate	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	131-11-3	
Di-n-butylphthalate	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	722	1	08/02/13 10:50	08/05/13 19:56	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1810	1	08/02/13 10:50	08/05/13 19:56	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	121-14-2	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 2013-161
Pace Project No.: 92167279

Sample: LIFT 2-SOUTH **Lab ID: 92167279004** Collected: 07/31/13 13:05 Received: 08/01/13 14:35 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							
2,6-Dinitrotoluene	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	606-20-2	
Di-n-octylphthalate	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	117-81-7	
Fluoranthene	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	206-44-0	
Fluorene	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	87-68-3	
Hexachlorobenzene	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	77-47-4	
Hexachloroethane	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	193-39-5	
Isophorone	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	78-59-1	
1-Methylnaphthalene	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	90-12-0	
2-Methylnaphthalene	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56		
Naphthalene	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	91-20-3	
2-Nitroaniline	ND	ug/kg	1810	1	08/02/13 10:50	08/05/13 19:56	88-74-4	
3-Nitroaniline	ND	ug/kg	1810	1	08/02/13 10:50	08/05/13 19:56	99-09-2	
4-Nitroaniline	ND	ug/kg	722	1	08/02/13 10:50	08/05/13 19:56	100-01-6	
Nitrobenzene	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	98-95-3	
2-Nitrophenol	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	88-75-5	
4-Nitrophenol	ND	ug/kg	1810	1	08/02/13 10:50	08/05/13 19:56	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	86-30-6	
Pentachlorophenol	ND	ug/kg	1810	1	08/02/13 10:50	08/05/13 19:56	87-86-5	
Phenanthrene	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	85-01-8	
Phenol	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	108-95-2	
Pyrene	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	361	1	08/02/13 10:50	08/05/13 19:56	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	67	%	23-110	1	08/02/13 10:50	08/05/13 19:56	4165-60-0	
2-Fluorobiphenyl (S)	75	%	30-110	1	08/02/13 10:50	08/05/13 19:56	321-60-8	
Terphenyl-d14 (S)	91	%	28-110	1	08/02/13 10:50	08/05/13 19:56	1718-51-0	
Phenol-d6 (S)	82	%	22-110	1	08/02/13 10:50	08/05/13 19:56	13127-88-3	
2-Fluorophenol (S)	75	%	13-110	1	08/02/13 10:50	08/05/13 19:56	367-12-4	
2,4,6-Tribromophenol (S)	84	%	27-110	1	08/02/13 10:50	08/05/13 19:56	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**8.6**	%	0.10	1		08/02/13 13:42		

REPORT OF LABORATORY ANALYSIS

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 2013-161
Pace Project No.: 92167279

Sample: LIFT 2-WEST **Lab ID: 92167279005** Collected: 07/31/13 13:25 Received: 08/01/13 14:35 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)	ND	mg/kg	11.5	1	08/02/13 10:20	08/07/13 10:08		N2
Aliphatic (C19-C36)	ND	mg/kg	11.5	1	08/02/13 10:20	08/07/13 10:08		N2
Aromatic (C11-C22)	ND	mg/kg	11.5	1	08/02/13 10:20	08/07/13 10:08		N2
Surrogates								
Nonatriacontane (S)	75	%	40-140	1	08/02/13 10:20	08/07/13 10:08	7194-86-7	
o-Terphenyl (S)	64	%	40-140	1	08/02/13 10:20	08/07/13 10:08	84-15-1	
2-Fluorobiphenyl (S)	83	%	40-140	1	08/02/13 10:20	08/07/13 10:08	321-60-8	
2-Bromonaphthalene (S)	101	%	40-140	1	08/02/13 10:20	08/07/13 10:08	580-13-2	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	83-32-9	
Acenaphthylene	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	208-96-8	
Aniline	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	62-53-3	
Anthracene	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	120-12-7	
Benzo(a)anthracene	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	56-55-3	
Benzo(a)pyrene	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	207-08-9	
Benzoic Acid	ND	ug/kg	1900	1	08/02/13 10:50	08/05/13 20:29	65-85-0	
Benzyl alcohol	ND	ug/kg	761	1	08/02/13 10:50	08/05/13 20:29	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	101-55-3	
Butylbenzylphthalate	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	761	1	08/02/13 10:50	08/05/13 20:29	59-50-7	
4-Chloroaniline	ND	ug/kg	1900	1	08/02/13 10:50	08/05/13 20:29	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	108-60-1	
2-Chloronaphthalene	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	91-58-7	
2-Chlorophenol	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	7005-72-3	
Chrysene	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	53-70-3	
Dibenzofuran	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1900	1	08/02/13 10:50	08/05/13 20:29	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	120-83-2	
Diethylphthalate	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	105-67-9	
Dimethylphthalate	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	131-11-3	
Di-n-butylphthalate	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	761	1	08/02/13 10:50	08/05/13 20:29	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1900	1	08/02/13 10:50	08/05/13 20:29	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	121-14-2	

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

Pace Analytical
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 2013-161
Pace Project No.: 92167279

Sample: LIFT 2-WEST **Lab ID: 92167279005** Collected: 07/31/13 13:25 Received: 08/01/13 14:35 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							
2,6-Dinitrotoluene	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	606-20-2	
Di-n-octylphthalate	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	117-81-7	
Fluoranthene	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	206-44-0	
Fluorene	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	87-68-3	
Hexachlorobenzene	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	77-47-4	
Hexachloroethane	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	193-39-5	
Isophorone	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	78-59-1	
1-Methylnaphthalene	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	90-12-0	
2-Methylnaphthalene	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29		
Naphthalene	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	91-20-3	
2-Nitroaniline	ND	ug/kg	1900	1	08/02/13 10:50	08/05/13 20:29	88-74-4	
3-Nitroaniline	ND	ug/kg	1900	1	08/02/13 10:50	08/05/13 20:29	99-09-2	
4-Nitroaniline	ND	ug/kg	761	1	08/02/13 10:50	08/05/13 20:29	100-01-6	
Nitrobenzene	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	98-95-3	
2-Nitrophenol	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	88-75-5	
4-Nitrophenol	ND	ug/kg	1900	1	08/02/13 10:50	08/05/13 20:29	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	86-30-6	
Pentachlorophenol	ND	ug/kg	1900	1	08/02/13 10:50	08/05/13 20:29	87-86-5	
Phenanthrene	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	85-01-8	
Phenol	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	108-95-2	
Pyrene	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	381	1	08/02/13 10:50	08/05/13 20:29	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	60	%	23-110	1	08/02/13 10:50	08/05/13 20:29	4165-60-0	
2-Fluorobiphenyl (S)	68	%	30-110	1	08/02/13 10:50	08/05/13 20:29	321-60-8	
Terphenyl-d14 (S)	82	%	28-110	1	08/02/13 10:50	08/05/13 20:29	1718-51-0	
Phenol-d6 (S)	65	%	22-110	1	08/02/13 10:50	08/05/13 20:29	13127-88-3	
2-Fluorophenol (S)	70	%	13-110	1	08/02/13 10:50	08/05/13 20:29	367-12-4	
2,4,6-Tribromophenol (S)	70	%	27-110	1	08/02/13 10:50	08/05/13 20:29	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**13.3**	%	0.10	1		08/02/13 13:42		

REPORT OF LABORATORY ANALYSIS

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 2013-161
Pace Project No.: 92167279

Sample: LIFT 2-NORTH **Lab ID: 92167279006** Collected: 07/31/13 13:35 Received: 08/01/13 14:35 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)	ND	mg/kg	11.4	1	08/02/13 10:20	08/07/13 10:41		N2
Aliphatic (C19-C36)	ND	mg/kg	11.4	1	08/02/13 10:20	08/07/13 10:41		N2
Aromatic (C11-C22)	ND	mg/kg	11.4	1	08/02/13 10:20	08/07/13 10:41		N2
Surrogates								
Nonatriacontane (S)	89	%	40-140	1	08/02/13 10:20	08/07/13 10:41	7194-86-7	
o-Terphenyl (S)	58	%	40-140	1	08/02/13 10:20	08/07/13 10:41	84-15-1	
2-Fluorobiphenyl (S)	76	%	40-140	1	08/02/13 10:20	08/07/13 10:41	321-60-8	
2-Bromonaphthalene (S)	93	%	40-140	1	08/02/13 10:20	08/07/13 10:41	580-13-2	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	83-32-9	
Acenaphthylene	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	208-96-8	
Aniline	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	62-53-3	
Anthracene	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	120-12-7	
Benzo(a)anthracene	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	56-55-3	
Benzo(a)pyrene	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	207-08-9	
Benzoic Acid	ND	ug/kg	1880	1	08/02/13 10:50	08/05/13 21:01	65-85-0	
Benzyl alcohol	ND	ug/kg	753	1	08/02/13 10:50	08/05/13 21:01	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	101-55-3	
Butylbenzylphthalate	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	753	1	08/02/13 10:50	08/05/13 21:01	59-50-7	
4-Chloroaniline	ND	ug/kg	1880	1	08/02/13 10:50	08/05/13 21:01	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	108-60-1	
2-Chloronaphthalene	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	91-58-7	
2-Chlorophenol	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	7005-72-3	
Chrysene	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	53-70-3	
Dibenzofuran	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1880	1	08/02/13 10:50	08/05/13 21:01	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	120-83-2	
Diethylphthalate	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	105-67-9	
Dimethylphthalate	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	131-11-3	
Di-n-butylphthalate	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	753	1	08/02/13 10:50	08/05/13 21:01	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1880	1	08/02/13 10:50	08/05/13 21:01	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	121-14-2	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 2013-161
Pace Project No.: 92167279

Sample: LIFT 2-NORTH **Lab ID: 92167279006** Collected: 07/31/13 13:35 Received: 08/01/13 14:35 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							
2,6-Dinitrotoluene	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	606-20-2	
Di-n-octylphthalate	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	117-81-7	
Fluoranthene	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	206-44-0	
Fluorene	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	87-68-3	
Hexachlorobenzene	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	77-47-4	
Hexachloroethane	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	193-39-5	
Isophorone	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	78-59-1	
1-Methylnaphthalene	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	90-12-0	
2-Methylnaphthalene	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01		
Naphthalene	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	91-20-3	
2-Nitroaniline	ND	ug/kg	1880	1	08/02/13 10:50	08/05/13 21:01	88-74-4	
3-Nitroaniline	ND	ug/kg	1880	1	08/02/13 10:50	08/05/13 21:01	99-09-2	
4-Nitroaniline	ND	ug/kg	753	1	08/02/13 10:50	08/05/13 21:01	100-01-6	
Nitrobenzene	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	98-95-3	
2-Nitrophenol	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	88-75-5	
4-Nitrophenol	ND	ug/kg	1880	1	08/02/13 10:50	08/05/13 21:01	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	86-30-6	
Pentachlorophenol	ND	ug/kg	1880	1	08/02/13 10:50	08/05/13 21:01	87-86-5	
Phenanthrene	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	85-01-8	
Phenol	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	108-95-2	
Pyrene	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	377	1	08/02/13 10:50	08/05/13 21:01	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	54	%	23-110	1	08/02/13 10:50	08/05/13 21:01	4165-60-0	
2-Fluorobiphenyl (S)	64	%	30-110	1	08/02/13 10:50	08/05/13 21:01	321-60-8	
Terphenyl-d14 (S)	78	%	28-110	1	08/02/13 10:50	08/05/13 21:01	1718-51-0	
Phenol-d6 (S)	72	%	22-110	1	08/02/13 10:50	08/05/13 21:01	13127-88-3	
2-Fluorophenol (S)	64	%	13-110	1	08/02/13 10:50	08/05/13 21:01	367-12-4	
2,4,6-Tribromophenol (S)	73	%	27-110	1	08/02/13 10:50	08/05/13 21:01	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**12.4**	%	0.10	1		08/02/13 13:43		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 2013-161
Pace Project No.: 92167279

Sample: LIFT 1 9' **Lab ID: 92167279007** Collected: 07/30/13 11:00 Received: 08/01/13 14:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546							
Diesel Components	**5060**	mg/kg	144	5	08/02/13 09:33	08/06/13 16:48	68334-30-5	
Surrogates								
n-Pentacosane (S)	0	%	41-119	5	08/02/13 09:33	08/06/13 16:48	629-99-2	S4
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**13.2**	%	0.10	1		08/02/13 13:43		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 2013-161
Pace Project No.: 92167279

Sample: LIFT 2 9' **Lab ID: 92167279008** Collected: 07/30/13 14:50 Received: 08/01/13 14:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified		Preparation Method: EPA 3546					
Diesel Components	**6260**	mg/kg	143	5	08/02/13 09:33	08/06/13 16:48	68334-30-5	
Surrogates								
n-Pentacosane (S)	0	%	41-119	5	08/02/13 09:33	08/06/13 16:48	629-99-2	S4
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**12.8**	%	0.10	1		08/02/13 13:43		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 2013-161
Pace Project No.: 92167279

Sample: DS-6 LIFT#2 AREA **Lab ID: 92167279009** Collected: 07/31/13 14:00 Received: 08/01/13 14:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546							
Diesel Components	**1150**	mg/kg	28.5	5	08/02/13 09:33	08/06/13 17:11	68334-30-5	
Surrogates								
n-Pentacosane (S)	0	%	41-119	5	08/02/13 09:33	08/06/13 17:11	629-99-2	S4
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**12.2**	%	0.10	1		08/06/13 08:16		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2013-161
Pace Project No.: 92167279

QC Batch: OEXT/23264 — Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 3546 — Analysis Description: 8015 Solid GCSV
Associated Lab Samples: 92167279007, 92167279008, 92167279009

METHOD BLANK: 1021612 — Matrix: Solid
Associated Lab Samples: 92167279007, 92167279008, 92167279009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/kg	ND	5.0	08/05/13 10:15	
n-Pentacosane (S)	%	86	41-119	08/05/13 10:15	

LABORATORY CONTROL SAMPLE: 1021613

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Components	mg/kg	66.7	46.7	70	49-113	
n-Pentacosane (S)	%			80	41-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1021614 1021615

Parameter	Units	92167279007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Diesel Components	mg/kg	5060	76.8	76.8	2580	4620	-3219	-565	10-146	57	M3,P6,R1
n-Pentacosane (S)	%						332	502	41-119		S5

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2013-161
Pace Project No.: 92167279

QC Batch: OEXT/23266 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 92167279001, 92167279002, 92167279003, 92167279004, 92167279005, 92167279006

METHOD BLANK: 1021729 Matrix: Solid
Associated Lab Samples: 92167279001, 92167279002, 92167279003, 92167279004, 92167279005, 92167279006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	330	08/06/13 10:06	
1,2-Dichlorobenzene	ug/kg	ND	330	08/06/13 10:06	
1,3-Dichlorobenzene	ug/kg	ND	330	08/06/13 10:06	
1,4-Dichlorobenzene	ug/kg	ND	330	08/06/13 10:06	
1-Methylnaphthalene	ug/kg	ND	330	08/06/13 10:06	
2,4,5-Trichlorophenol	ug/kg	ND	330	08/06/13 10:06	
2,4,6-Trichlorophenol	ug/kg	ND	330	08/06/13 10:06	
2,4-Dichlorophenol	ug/kg	ND	330	08/06/13 10:06	
2,4-Dimethylphenol	ug/kg	ND	330	08/06/13 10:06	
2,4-Dinitrophenol	ug/kg	ND	1650	08/06/13 10:06	
2,4-Dinitrotoluene	ug/kg	ND	330	08/06/13 10:06	
2,6-Dinitrotoluene	ug/kg	ND	330	08/06/13 10:06	
2-Chloronaphthalene	ug/kg	ND	330	08/06/13 10:06	
2-Chlorophenol	ug/kg	ND	330	08/06/13 10:06	
2-Methylnaphthalene	ug/kg	ND	330	08/06/13 10:06	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	08/06/13 10:06	
2-Nitroaniline	ug/kg	ND	1650	08/06/13 10:06	
2-Nitrophenol	ug/kg	ND	330	08/06/13 10:06	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	330	08/06/13 10:06	
3,3'-Dichlorobenzidine	ug/kg	ND	1650	08/06/13 10:06	
3-Nitroaniline	ug/kg	ND	1650	08/06/13 10:06	
4,6-Dinitro-2-methylphenol	ug/kg	ND	660	08/06/13 10:06	
4-Bromophenylphenyl ether	ug/kg	ND	330	08/06/13 10:06	
4-Chloro-3-methylphenol	ug/kg	ND	660	08/06/13 10:06	
4-Chloroaniline	ug/kg	ND	1650	08/06/13 10:06	
4-Chlorophenylphenyl ether	ug/kg	ND	330	08/06/13 10:06	
4-Nitroaniline	ug/kg	ND	660	08/06/13 10:06	
4-Nitrophenol	ug/kg	ND	1650	08/06/13 10:06	
Acenaphthene	ug/kg	ND	330	08/06/13 10:06	
Acenaphthylene	ug/kg	ND	330	08/06/13 10:06	
Aniline	ug/kg	ND	330	08/06/13 10:06	
Anthracene	ug/kg	ND	330	08/06/13 10:06	
Benzo(a)anthracene	ug/kg	ND	330	08/06/13 10:06	
Benzo(a)pyrene	ug/kg	ND	330	08/06/13 10:06	
Benzo(b)fluoranthene	ug/kg	ND	330	08/06/13 10:06	
Benzo(g,h,i)perylene	ug/kg	ND	330	08/06/13 10:06	
Benzo(k)fluoranthene	ug/kg	ND	330	08/06/13 10:06	
Benzoic Acid	ug/kg	ND	1650	08/06/13 10:06	
Benzyl alcohol	ug/kg	ND	660	08/06/13 10:06	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	08/06/13 10:06	
bis(2-Chloroethyl) ether	ug/kg	ND	330	08/06/13 10:06	
bis(2-Chloroisopropyl) ether	ug/kg	ND	330	08/06/13 10:06	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	08/06/13 10:06	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2013-161
Pace Project No.: 92167279

METHOD BLANK: 1021729 Matrix: Solid

Associated Lab Samples: 92167279001, 92167279002, 92167279003, 92167279004, 92167279005, 92167279006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/kg	ND	330	08/06/13 10:06	
Chrysene	ug/kg	ND	330	08/06/13 10:06	
Di-n-butylphthalate	ug/kg	ND	330	08/06/13 10:06	
Di-n-octylphthalate	ug/kg	ND	330	08/06/13 10:06	
Dibenz(a,h)anthracene	ug/kg	ND	330	08/06/13 10:06	
Dibenzofuran	ug/kg	ND	330	08/06/13 10:06	
Diethylphthalate	ug/kg	ND	330	08/06/13 10:06	
Dimethylphthalate	ug/kg	ND	330	08/06/13 10:06	
Fluoranthene	ug/kg	ND	330	08/06/13 10:06	
Fluorene	ug/kg	ND	330	08/06/13 10:06	
Hexachloro-1,3-butadiene	ug/kg	ND	330	08/06/13 10:06	
Hexachlorobenzene	ug/kg	ND	330	08/06/13 10:06	
Hexachlorocyclopentadiene	ug/kg	ND	330	08/06/13 10:06	
Hexachloroethane	ug/kg	ND	330	08/06/13 10:06	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	08/06/13 10:06	
Isophorone	ug/kg	ND	330	08/06/13 10:06	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	08/06/13 10:06	
N-Nitrosodimethylamine	ug/kg	ND	330	08/06/13 10:06	
N-Nitrosodiphenylamine	ug/kg	ND	330	08/06/13 10:06	
Naphthalene	ug/kg	ND	330	08/06/13 10:06	
Nitrobenzene	ug/kg	ND	330	08/06/13 10:06	
Pentachlorophenol	ug/kg	ND	1650	08/06/13 10:06	
Phenanthrene	ug/kg	ND	330	08/06/13 10:06	
Phenol	ug/kg	ND	330	08/06/13 10:06	
Pyrene	ug/kg	ND	330	08/06/13 10:06	
2,4,6-Tribromophenol (S)	%	27	27-110	08/06/13 10:06	
2-Fluorobiphenyl (S)	%	32	30-110	08/06/13 10:06	
2-Fluorophenol (S)	%	36	13-110	08/06/13 10:06	
Nitrobenzene-d5 (S)	%	27	23-110	08/06/13 10:06	
Phenol-d6 (S)	%	34	22-110	08/06/13 10:06	
Terphenyl-d14 (S)	%	62	28-110	08/06/13 10:06	

LABORATORY CONTROL SAMPLE: 1021730

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1500	90	39-101	
1,2-Dichlorobenzene	ug/kg	1670	1500	90	36-110	
1,3-Dichlorobenzene	ug/kg	1670	1490	89	35-110	
1,4-Dichlorobenzene	ug/kg	1670	1510	91	35-110	
1-Methylnaphthalene	ug/kg	1670	1510	91	45-105	
2,4,5-Trichlorophenol	ug/kg	1670	1240	74	48-109	
2,4,6-Trichlorophenol	ug/kg	1670	1160	70	45-111	
2,4-Dichlorophenol	ug/kg	1670	1360	82	51-116	
2,4-Dimethylphenol	ug/kg	1670	1420	85	42-103	
2,4-Dinitrophenol	ug/kg	8330	5100	61	28-103	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2013-161
Pace Project No.: 92167279

LABORATORY CONTROL SAMPLE: 1021730

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/kg	1670	1540	92	46-114	
2,6-Dinitrotoluene	ug/kg	1670	1450	87	48-112	
2-Chloronaphthalene	ug/kg	1670	1330	80	44-105	
2-Chlorophenol	ug/kg	1670	1300	78	36-110	
2-Methylnaphthalene	ug/kg	1670	1330	80	39-112	
2-Methylphenol(o-Cresol)	ug/kg	1670	1350	81	39-101	
2-Nitroaniline	ug/kg	3330	2480	74	44-111	
2-Nitrophenol	ug/kg	1670	1300	78	41-100	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1210	73	43-103	
3,3'-Dichlorobenzidine	ug/kg	3330	2810	84	10-150	
3-Nitroaniline	ug/kg	3330	2610	78	35-110	
4,6-Dinitro-2-methylphenol	ug/kg	3330	2530	76	38-118	
4-Bromophenylphenyl ether	ug/kg	1670	1170	70	47-115	
4-Chloro-3-methylphenol	ug/kg	3330	2720	82	43-127	
4-Chloroaniline	ug/kg	3330	2500	75	34-109	
4-Chlorophenylphenyl ether	ug/kg	1670	1130	68	44-115	
4-Nitroaniline	ug/kg	3330	2760	83	37-111	
4-Nitrophenol	ug/kg	8330	5530	66	21-152	
Acenaphthene	ug/kg	1670	1380	83	38-117	
Acenaphthylene	ug/kg	1670	1390	83	46-107	
Aniline	ug/kg	1670	1270	76	29-110	
Anthracene	ug/kg	1670	1540	93	50-110	
Benzo(a)anthracene	ug/kg	1670	1540	93	47-116	
Benzo(a)pyrene	ug/kg	1670	1620	97	47-106	
Benzo(b)fluoranthene	ug/kg	1670	1480	89	47-109	
Benzo(g,h,i)perylene	ug/kg	1670	1500	90	39-115	
Benzo(k)fluoranthene	ug/kg	1670	1520	91	45-117	
Benzoic Acid	ug/kg	8330	4980	60	16-110	
Benzyl alcohol	ug/kg	3330	2400	72	38-105	
bis(2-Chloroethoxy)methane	ug/kg	1670	1040	62	39-110	
bis(2-Chloroethyl) ether	ug/kg	1670	1170	70	19-119	
bis(2-Chloroisopropyl) ether	ug/kg	1670	855	51	21-110	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1630	98	35-116	
Butylbenzylphthalate	ug/kg	1670	1530	92	38-110	
Chrysene	ug/kg	1670	1640	98	49-110	
Di-n-butylphthalate	ug/kg	1670	1500	90	43-109	
Di-n-octylphthalate	ug/kg	1670	1540	93	37-109	
Dibenz(a,h)anthracene	ug/kg	1670	1510	90	43-116	
Dibenzofuran	ug/kg	1670	1240	74	45-106	
Diethylphthalate	ug/kg	1670	1370	82	41-114	
Dimethylphthalate	ug/kg	1670	1410	84	43-110	
Fluoranthene	ug/kg	1670	1560	94	50-114	
Fluorene	ug/kg	1670	1440	86	46-114	
Hexachloro-1,3-butadiene	ug/kg	1670	1480	89	28-111	
Hexachlorobenzene	ug/kg	1670	1540	92	46-120	
Hexachlorocyclopentadiene	ug/kg	1670	1270	76	18-119	
Hexachloroethane	ug/kg	1670	1400	84	33-110	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1480	89	42-115	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2013-161
Pace Project No.: 92167279

LABORATORY CONTROL SAMPLE: 1021730

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Isophorone	ug/kg	1670	1400	84	44-109	
N-Nitroso-di-n-propylamine	ug/kg	1670	1130	68	43-104	
N-Nitrosodimethylamine	ug/kg	1670	1470	88	29-110	
N-Nitrosodiphenylamine	ug/kg	1670	1250	75	48-113	
Naphthalene	ug/kg	1670	1450	87	41-110	
Nitrobenzene	ug/kg	1670	1310	78	38-110	
Pentachlorophenol	ug/kg	3330	2390	72	32-128	
Phenanthrene	ug/kg	1670	1480	89	50-110	
Phenol	ug/kg	1670	1370	82	28-106	
Pyrene	ug/kg	1670	1490	90	45-114	
2,4,6-Tribromophenol (S)	%			85	27-110	
2-Fluorobiphenyl (S)	%			79	30-110	
2-Fluorophenol (S)	%			90	13-110	
Nitrobenzene-d5 (S)	%			76	23-110	
Phenol-d6 (S)	%			84	22-110	
Terphenyl-d14 (S)	%			89	28-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1021731 1021732

Parameter	Units	92167279003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	1930	1930	1250	1350	65	70	18-119	8	
1,2-Dichlorobenzene	ug/kg	ND	1930	1930	1310	1340	68	70	50-110	2	
1,3-Dichlorobenzene	ug/kg	ND	1930	1930	1270	1290	66	67	27-110	1	
1,4-Dichlorobenzene	ug/kg	ND	1930	1930	1310	1310	68	68	28-110	0	
1-Methylnaphthalene	ug/kg	1570	1930	1930	2130	2450	29	46	24-116	14	
2,4,5-Trichlorophenol	ug/kg	ND	1930	1930	1050	1300	54	67	28-110	21	
2,4,6-Trichlorophenol	ug/kg	ND	1930	1930	930	1130	48	59	17-117	19	
2,4-Dichlorophenol	ug/kg	ND	1930	1930	1170	1230	61	64	21-128	6	
2,4-Dimethylphenol	ug/kg	ND	1930	1930	1250	1320	65	69	10-120	6	
2,4-Dinitrophenol	ug/kg	ND	9600	9600	4720	5490	49	57	10-107	15	
2,4-Dinitrotoluene	ug/kg	ND	1930	1930	1290	1430	67	74	36-109	10	
2,6-Dinitrotoluene	ug/kg	ND	1930	1930	1230	1340	64	70	32-110	8	
2-Chloronaphthalene	ug/kg	ND	1930	1930	1110	1310	58	68	30-107	16	
2-Chlorophenol	ug/kg	ND	1930	1930	1170	1220	61	64	14-106	5	
2-Methylnaphthalene	ug/kg	2610	1930	1930	2540	2990	-4	20	10-135	16	M1
2-Methylphenol(o-Cresol)	ug/kg	ND	1930	1930	1370	1410	71	73	10-124	3	
2-Nitroaniline	ug/kg	ND	3840	3840	2120	2320	55	60	26-116	9	
2-Nitrophenol	ug/kg	ND	1930	1930	1160	1300	60	68	28-103	12	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	1930	1930	1210	1210	63	63	10-109	0	
3,3'-Dichlorobenzidine	ug/kg	ND	3840	3840	2710	2800	71	73	10-150	3	
3-Nitroaniline	ug/kg	ND	3840	3840	2230	2210	58	57	22-110	1	
4,6-Dinitro-2-methylphenol	ug/kg	ND	3840	3840	2450	2640	64	69	13-121	7	
4-Bromophenylphenyl ether	ug/kg	ND	1930	1930	1120	1200	58	63	31-109	7	
4-Chloro-3-methylphenol	ug/kg	ND	3840	3840	2370	2470	62	64	13-128	4	
4-Chloroaniline	ug/kg	ND	3840	3840	2090	2240	54	58	18-102	7	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2013-161
Pace Project No.: 92167279

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1021731 1021732

Parameter	Units	92167279003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
4-Chlorophenylphenyl ether	ug/kg	ND	1930	1930	975	1090	51	57	29-112	11	
4-Nitroaniline	ug/kg	ND	3840	3840	2270	2440	59	64	16-111	7	
4-Nitrophenol	ug/kg	ND	9600	9600	4980	5580	52	58	14-135	11	
Acenaphthene	ug/kg	ND	1930	1930	1200	1380	60	69	26-114	14	
Acenaphthylene	ug/kg	ND	1930	1930	1150	1320	60	69	32-108	13	
Aniline	ug/kg	ND	1930	1930	1120	1160	58	60	10-107	3	
Anthracene	ug/kg	ND	1930	1930	1520	1540	79	80	32-111	1	
Benzo(a)anthracene	ug/kg	ND	1930	1930	1440	1470	75	76	25-117	2	
Benzo(a)pyrene	ug/kg	ND	1930	1930	1490	1480	77	77	25-106	0	
Benzo(b)fluoranthene	ug/kg	ND	1930	1930	1350	1330	70	69	24-110	1	
Benzo(g,h,i)perylene	ug/kg	ND	1930	1930	1460	1430	76	75	19-112	2	
Benzo(k)fluoranthene	ug/kg	ND	1930	1930	1390	1340	72	70	24-114	3	
Benzoic Acid	ug/kg	ND	9600	9600	4020	4150	42	43	10-110	3	
Benzyl alcohol	ug/kg	ND	3840	3840	2240	2320	58	61	24-106	4	
bis(2-Chloroethoxy)methane	ug/kg	ND	1930	1930	930	988	48	51	13-119	6	
bis(2-Chloroethyl) ether	ug/kg	ND	1930	1930	1070	1080	56	56	10-134	0	
bis(2-Chloroisopropyl) ether	ug/kg	ND	1930	1930	781	805	41	42	10-113	3	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	1930	1930	1590	1630	78	80	10-125	2	
Butylbenzylphthalate	ug/kg	ND	1930	1930	1550	1480	81	77	18-110	4	
Chrysene	ug/kg	ND	1930	1930	1530	1600	80	83	30-110	4	
Di-n-butylphthalate	ug/kg	ND	1930	1930	1470	1490	76	78	19-112	2	
Di-n-octylphthalate	ug/kg	ND	1930	1930	1550	1610	81	84	17-105	4	
Dibenz(a,h)anthracene	ug/kg	ND	1930	1930	1440	1420	75	74	23-111	2	
Dibenzofuran	ug/kg	ND	1930	1930	1060	1220	55	63	35-103	13	
Diethylphthalate	ug/kg	ND	1930	1930	1230	1380	64	72	27-113	12	
Dimethylphthalate	ug/kg	ND	1930	1930	1180	1330	61	69	26-111	12	
Fluoranthene	ug/kg	ND	1930	1930	1490	1490	77	77	33-109	0	
Fluorene	ug/kg	ND	1930	1930	1320	1500	58	67	32-113	13	
Hexachloro-1,3-butadiene	ug/kg	ND	1930	1930	1200	1310	62	68	16-116	9	
Hexachlorobenzene	ug/kg	ND	1930	1930	1470	1530	77	79	27-120	4	
Hexachlorocyclopentadiene	ug/kg	ND	1930	1930	1000	1280	52	67	10-108	24	
Hexachloroethane	ug/kg	ND	1930	1930	911	982	47	51	10-117	8	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	1930	1930	1380	1420	72	74	10-122	3	
Isophorone	ug/kg	ND	1930	1930	1170	1270	61	66	28-114	8	
N-Nitroso-di-n-propylamine	ug/kg	ND	1930	1930	1010	1080	53	56	27-113	6	
N-Nitrosodimethylamine	ug/kg	ND	1930	1930	1140	1140	59	59	10-109	0	
N-Nitrosodiphenylamine	ug/kg	ND	1930	1930	1640	1740	85	90	10-128	6	
Naphthalene	ug/kg	1440	1930	1930	2000	2290	29	44	25-110	13	
Nitrobenzene	ug/kg	ND	1930	1930	1070	1130	56	59	18-114	5	
Pentachlorophenol	ug/kg	ND	3840	3840	2330	2540	61	66	10-122	8	
Phenanthrene	ug/kg	ND	1930	1930	1620	1710	66	71	30-114	6	
Phenol	ug/kg	ND	1930	1930	1280	1310	67	68	11-102	3	
Pyrene	ug/kg	ND	1930	1930	1430	1490	72	75	25-116	4	
2,4,6-Tribromophenol (S)	%						71	76	27-110		
2-Fluorobiphenyl (S)	%						56	64	30-110		
2-Fluorophenol (S)	%						66	66	13-110		
Nitrobenzene-d5 (S)	%						62	69	23-110		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2013-161
Pace Project No.: 92167279

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1021731 1021732

Parameter	Units	92167279003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Phenol-d6 (S)	%						66	67	22-110		
Terphenyl-d14 (S)	%						71	72	28-110		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2013-161
Pace Project No.: 92167279

QC Batch: OEXT/23256 Analysis Method: MADEP EPH
QC Batch Method: MADEP EPH Analysis Description: MADEP EPH NC Soil
Associated Lab Samples: 92167279001, 92167279002, 92167279003, 92167279004, 92167279005, 92167279006

METHOD BLANK: 1021183 Matrix: Solid
Associated Lab Samples: 92167279001, 92167279002, 92167279003, 92167279004, 92167279005, 92167279006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aliphatic (C09-C18)	mg/kg	ND	10.0	08/02/13 17:21	N2
Aliphatic (C19-C36)	mg/kg	ND	10.0	08/02/13 17:21	N2
Aromatic (C11-C22)	mg/kg	ND	10.0	08/02/13 17:21	N2
2-Bromonaphthalene (S)	%	105	40-140	08/02/13 17:21	
2-Fluorobiphenyl (S)	%	83	40-140	08/02/13 17:21	
Nonatriacontane (S)	%	67	40-140	08/02/13 17:21	
o-Terphenyl (S)	%	69	40-140	08/02/13 17:21	

LABORATORY CONTROL SAMPLE & LCSD: 1021184 1021185

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C09-C18)	mg/kg	10	ND	ND	84	79	40-140		50	N2
Aliphatic (C19-C36)	mg/kg	13.3	11.5	10.7	86	80	40-140	7	50	N2
Aromatic (C11-C22)	mg/kg	28.3	22.2	18.9	79	67	40-140	16	50	N2
2-Bromonaphthalene (S)	%				91	74	40-140			
2-Fluorobiphenyl (S)	%				76	67	40-140			
Nonatriacontane (S)	%				85	79	40-140			
o-Terphenyl (S)	%				73	63	40-140			

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2013-161
Pace Project No.: 92167279

QC Batch: PMST/5719
Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92167279001, 92167279002, 92167279003, 92167279004, 92167279005, 92167279006, 92167279007, 92167279008

SAMPLE DUPLICATE: 1021586

Parameter	Units	92167114016 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	16.5	17.0	3	

SAMPLE DUPLICATE: 1021587

Parameter	Units	92167279008 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	12.8	11.6	10	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2013-161
Pace Project No.: 92167279

QC Batch: PMST/5721
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92167279009

SAMPLE DUPLICATE: 1022017

Parameter	Units	92167338001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	24.6	25.8	5	

SAMPLE DUPLICATE: 1022018

Parameter	Units	92167281004 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	17.7	17.8	0	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: 2013-161
Pace Project No.: 92167279

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.

PRL - Pace Reporting Limit.

RL - Reporting 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.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

TNI - The NELAC Institute.

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold TNI accreditation for this parameter.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
S5	Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2013-161
Pace Project No.: 92167279

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92167279007	**LIFT 1 9'**	EPA 3546	OEXT/23264	EPA 8015 Modified	GCSV/15236
92167279008	**LIFT 2 9'**	EPA 3546	OEXT/23264	EPA 8015 Modified	GCSV/15236
92167279009	**DS-6 LIFT#2 AREA**	EPA 3546	OEXT/23264	EPA 8015 Modified	GCSV/15236
92167279001	**LIFT 1-NORTH**	MADEP EPH	OEXT/23256	MADEP EPH	GCSV/15223
92167279002	**LIFT 1-EAST**	MADEP EPH	OEXT/23256	MADEP EPH	GCSV/15223
92167279003	**LIFT 1-SOUTH**	MADEP EPH	OEXT/23256	MADEP EPH	GCSV/15223
92167279004	**LIFT 2-SOUTH**	MADEP EPH	OEXT/23256	MADEP EPH	GCSV/15223
92167279005	**LIFT 2-WEST**	MADEP EPH	OEXT/23256	MADEP EPH	GCSV/15223
92167279006	**LIFT 2-NORTH**	MADEP EPH	OEXT/23256	MADEP EPH	GCSV/15223
92167279001	**LIFT 1-NORTH**	EPA 3546	OEXT/23266	EPA 8270	MSSV/8030
92167279002	**LIFT 1-EAST**	EPA 3546	OEXT/23266	EPA 8270	MSSV/8030
92167279003	**LIFT 1-SOUTH**	EPA 3546	OEXT/23266	EPA 8270	MSSV/8030
92167279004	**LIFT 2-SOUTH**	EPA 3546	OEXT/23266	EPA 8270	MSSV/8030
92167279005	**LIFT 2-WEST**	EPA 3546	OEXT/23266	EPA 8270	MSSV/8030
92167279006	**LIFT 2-NORTH**	EPA 3546	OEXT/23266	EPA 8270	MSSV/8030
92167279001	**LIFT 1-NORTH**	ASTM D2974-87	PMST/5719		
92167279002	**LIFT 1-EAST**	ASTM D2974-87	PMST/5719		
92167279003	**LIFT 1-SOUTH**	ASTM D2974-87	PMST/5719		
92167279004	**LIFT 2-SOUTH**	ASTM D2974-87	PMST/5719		
92167279005	**LIFT 2-WEST**	ASTM D2974-87	PMST/5719		
92167279006	**LIFT 2-NORTH**	ASTM D2974-87	PMST/5719		
92167279007	**LIFT 1 9'**	ASTM D2974-87	PMST/5719		
92167279008	**LIFT 2 9'**	ASTM D2974-87	PMST/5719		
92167279009	**DS-6 LIFT#2 AREA**	ASTM D2974-87	PMST/5721		

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

Pace Analytical	Sample Condition Upon Receipt (SCUR)	Page 1 of 2
	Document Number: F-CHR-CS-03-rev.11	Issuing Authority: Pace Huntersville Quality Office

Client Name: Pyramid

Where Received: ☑ Huntersville ☐ Asheville ☐ Eden ☐ Raleigh

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other_____

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

Optional
Proj. Due Date:
Proj. Name:

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other_____

Thermometer Used: IR Gun T1102 (T1301) **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor **T1102**: No Correction **T1301**: No Correction

Corrected Cooler Temp.: 2.4 C **Biological Tissue is Frozen:** Yes No (N/A)

Date and Initials of person examining contents: JM 08/01/13

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☑No ☐N/A	12. Received Gro kit soil For DS-6 not on coc
-Includes date/time/ID/Analysis Matrix: WS		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☑No	
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):_____		

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

Person Contacted: Mike Jones Date/Time: 8/1/13

Comments/ Resolution: Mike instructed not to analyze Gro Kit for DS-6. KG.

SCURF Review: JG **Date:** 8/1/13

SRF Review: TMD **Date:** 8-1-13

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)

WO#: 92167279

92167279

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1690883

Section A Required Client Information:
Company: Pyramid Enviro
Address: 503 Industrial Ave GSBO, NC 27406
Email To:
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:
Report To: Pyramid Enviro
Copy To:
Purchase Order No.:
Project Name:
Project Number: 2013-161

Section C Invoice Information:
Attention: Mike Jones
Company Name: Pyramid
Address:
Pace Quote Reference:
Pace Project Manager: KEVIN GODWIN
Pace Profile #: 2982-1

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☑ UST ☐ RCRA ☐ OTHER ____

Site Location STATE: NC

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N): 8270 (Y); EPA (Y); PRO 005 (N)

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	8270	EPA	PRO 005	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	LIFT 1-NORTH	SL	G	7/31/13			13:45											X	X			001
2	LIFT 1-EAST	SL	G	7/31/13			13:15											X	X			002
3	LIFT 1-SOUTH	SL	G	7/31/13			13:10											X	X			003
4	LIFT-2-SOUTH	SL	G	7/31/13			13:05											X	X			004
5	LIFT2-WEST	SL	G	7/31/13			13:25											X	X			005
6	LIFT2-NORTH	SL	G	7/31/13			13:35											X	X			006
7																						
8	LIFT 1 9'	SL	G	7-30-13			11:00													X		007
9	LIFT 2 9'	SL	G	7-30-13			14:50													X		008
10	~~DS-6 Lift #1 + W.O. Area~~	~~SL~~	~~C~~	~~7/31/13~~																		
11	DS-6 Lift #2 Area	SL	C	7/31/13			0900	1400												X		009
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
HYDRAULIC	Michael Jones	7/31/13	5:00	[signature] Pace	8-1-13	1105				
LIFT OIL	[signature] Pace	8-1-13	14:35	[signature] Pace	8-1-13	1435	2.4	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: MICHAEL JONES
SIGNATURE of SAMPLER: Michael Jones
DATE Signed (MM/DD/YY): 7/31/2013

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.

KOBELCO

KOBELCO

KOBELCO

HARPER ARTS

KOBELCO

NATIONAL

Soil Volumes For Lift Area

Main Street Properties of Carrboro, LLC
Don Christian Property -206 E. Main Street

DENR UST Incident # 26797 ***DENR UST Permit # 00-026870***

LOAD NUMBER	Date hauled	Area	Tons	
13050	*29-Jul*	Lifts	21.27	
13051	*29-Jul*	Lifts	26.47	
13052	*29-Jul*	Lifts	18.06	
13053	*29-Jul*	Lifts	24.15	
13054	*30-Jul*	Lifts	23.17	
13055	*30-Jul*	Lifts	30.98	
13056	*30-Jul*	Lifts	28.01	
13057	*30-Jul*	Lifts	30.43	
13058	*30-Jul*	Lifts	22.33	
13059	*30-Jul*	Lifts	29.54	
13060	*30-Jul*	Lifts	26.55	Lift Total Tons
13061	*30-Jul*	Lifts	29.01	309.97
Total Tons Removed - WO and LIFT UST Areas =			**309.97**	

This Table is for the UST Area Only

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 13050

2. Page 1 of

3. Generator's Name and Mailing Address
MAIN ST. Properties of Chapel Hill LLC
206 E main street, Carrboro, NC

4. Generator's Phone ( )

5. Transporter 1 Company Name
EarthTec, LLC

6. US EPA ID Number

A. State Transporter's ID

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter 1 Phone

C. State Transporter's ID

9. Designated Facility Name and Site Address
EarthTec
Bear Creek, NC

10. US EPA ID Number

D. Transporter 2 Phone

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION

	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Hazardous Material Hydraulic Lift tanks	01	DT		T
b.				
c.				
d.				

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2014
JOE F. HOLDER 31798
INVALID UNLESS SIGNED

G. Additional Descriptions for Materials Listed Above
Petroleum contaminated soil
Hydraulic Lift Area

H. Handling Codes for Wastes Listed Above

684 ID. NO.
64100 lb GR
21560 lb TR RECALLED
42540 lb NT

15. Special Handling Instructions and Additional Information

GM-12 07/29/13 13:28 21.27 tons

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: MICHAEL JONES
Signature: Michael Jones
Date: Month 07 Day 29 Year 13

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Kenneth Elkins
Signature: Kenneth Elkins
Date: Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: Frankie Holder
Signature: Frankie Holder
Date: Month 7 Day 29 Year 13

GENERATOR
TRANSPORTER
FACILITY
NON-HAZARDOUS WASTE

2002 LABELMASTER® (800) 621-5808 www.labelmaster.com

PRINTED WITH SOY INK

Rev. 3/95

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 13051

2. Page 1 of

3. Generator's Name and Mailing Address
Main St. Hopperties of Chapel Hill, LLC
306 E Main St. Carrboro, NC

4. Generator's Phone ( )

5. Transporter 1 Company Name
EarthTech

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EarthTec
Bear Creek
NC.

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Hazardous-Material / Hydrolic Lift Tanks Area	01	DT		T
b.				
c.				
d.				

GENERATOR

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2014
JOE H. HOLDER 31798
INVALID UNLESS SIGNED

G. Additional Descriptions for Materials Listed Above
n/a- Petroleum Contaminated Soil
Hydrolic Lift Tanks Area
EV-007

H. Handling Codes for Wastes Listed Above
1 LB. NO.
81420 lb GR
28480 lb TR RECALLED
52940 lb NT

15. Special Handling Instructions and Additional Information
07/29/13 14:05
26.47 tons

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: MICHAEL JONES
Signature: Michael Jones
Date: Month 07 Day 29 Year 13

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Richard BLAKELY
Signature: Richard Blakely
Date: Month 7 Day 29 Year 13

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.

Printed/Typed Name: Frankie Holder
Signature: Frankie Holder
Date: Month 7 Day 29 Year 13

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 13052

2. Page 1 of

3. Generator's Name and Mailing Address
Main Street Propperties of Chapel Hill, LLC
206 E Main St. Carrboro, NC

4. Generator's Phone ( )

5. Transporter 1 Company Name
EarthTec

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EarthTec
Bear Creek
NC

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Hazardous Material	01	DT		T
b.				
c.				
d.				

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2014
JOE A. HOLDER 31798
INVALID UNLESS SIGNED

GENERATOR

G. Additional Descriptions for Materials Listed Above
11a - Petroleum Contaminated - Material (Soil)

Hydrolic Lift Area

H. Handling Codes for Wastes Listed Above

684 ID. NO.

15. Special Handling Instructions and Additional Information

57680 lb GR
21560 lb TR RECALLED
36120 lb NT

GM-12

18.06 tons

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: MICHAEL JONES
Signature: Michael Jones
Date: Month 07 Day 29 Year 13

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Kenneth Elixson
Signature: Kenneth Elixson
Date: Month 7 Day 29 Year 13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:
Signature:
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.

Printed/Typed Name: Frankie Holder
Signature: Frankie Holder
Date: Month 7 Day 29 Year 13

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 13053

2. Page 1 of

3. Generator's Name and Mailing Address
Main Street Properties of Chapel Hill, LLC
206 E. Main street, Carboro, NC

4. Generator's Phone ( )

5. Transporter 1 Company Name: EarthTec

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EarthTec
Bear Creek
NC

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Hazardous - Material	01	DT		T
b.				
c.				
d.				

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2014
JOE F. HOLDER 31798
INVALID UNLESS SIGNED

G. Additional Descriptions for Materials Listed Above
11a - Petroleum Contaminated Soil
(Hydrolic Lift Area)

H. Handling Codes for Wastes Listed Above

1 TD. NO.

15. Special Handling Instructions and Additional Information

EV-007

76780 lb GR
28480 lb TR RECALLED
48300 lb NT
24.15 tons

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: MIKE JONES
Signature: Michael Jones
Date: Month 07 Day 29 Year 13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Richard BLAKELEY
Signature: Richard Blakely
Date: Month 7 Day 29 Year 13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.

Printed/Typed Name: Frankie Holder
Signature: Frankie Holder
Date: Month 7 Day 29 Year 13

GENERATOR
TRANSPORTER
FACILITY
NON-HAZARDOUS WASTE

F-14 © 2002 LABELMASTER® (800) 621-5808 www.labelmaster.com

PRINTED WITH SOY INK

Rev. 3/95

STRAIGHT BILL OF LADING

ORIGINAL — NOT NEGOTIABLE

GARCO, Inc.

Page 1 of 1

Shipper No. 130584

Carrier No.

(Name of carrier) (SCAC)

Date 7-30-17

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO:
Consignee: Earth Tec
Street:
City: Bear Creek State: NC Zip Code:

FROM:
Shipper: Main Street Properties
Street: 206 E. Main St
City: Carrboro State: NC Zip Code:
24 hr. Emergency Contact Tel. No.: 800-814-1204

Route:

Vehicle Number:

No. of Units & Container Type	HM	BASIC DESCRIPTION: Proper Shipping Name, Hazard Class, UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
01 DT		NON Hazardous Material		T		
		Petroleum Contaminated Soil		1205 ID. NO.		
			73260 lb GR			
			73260 lb TR RECALLED			
			00 lb NT			
			07/30/17 09:38			
				1205 ID. NO.		23.00
				73260 lb GR RECALLED		
				26920 lb TR		

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30 2017
JESSIE GODFREY 31795

INVALID UNLESS SIGNED

PLACARDS TENDERED: YES ☐ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping

REMIT C.O.D. TO: ADDRESS

STRAIGHT BILL OF LADING

ORIGINAL – NOT NEGOTIABLE

GARCO, Inc.

13055

Shipper No. 150589

Carrier No.

Page 1 of 1

(Name of carrier) (SCAC)

Date 7-30-13

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO:
Consignee EarthTec
Street
City Bear Creek State NC Zip Code

FROM:
Shipper Main Street Properties
Street 206 E. Main St
City Carboro State NC Zip Code
24 hr. Emergency Contact Tel. No. 800-814-1204

Route

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION: Proper Shipping Name, Hazard Class, UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
01 DT		Non Hazardous Material		T		
		Petroleum Contaminated Soil				
		NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2014 JOE F. HOLDER	31798	947 ID. NO.		
		INVALID UNLESS SIGNED		90200 lb GR		
		(Hydrolic Lift Area)		28240 lb TR RECALLED		
				61960 lb NT		
				07/30/13 10:03		30.98
		DV-06				tons

PLACARDS TENDERED: YES ☐ NO ☐

Note – (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____"
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Main Street Properties
PER Michael Jenar
7-30-13

CARRIER Don Philips Trucking
PER Mike K
DATE 7-30-13

1

STRAIGHT BILL OF LADING

ORIGINAL — NOT NEGOTIABLE

GARCO, Inc.

Page 1 of 1

Shipper No. 13056

Carrier No.

13056

(Name of carrier) (SCAC)

Date 7-30-13

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO: Consignee Earth Tec

Street

City State Zip Code

FROM: Shipper Main Street Properties

Street 206 E. Main St

City Carrboro State NC Zip Code

24 hr. Emergency Contact Tel. No. 800-814-1204

Route

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class, UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
01 DT		Non Hazardous Material		T		
		Petroleum Contaminated Soil				
		NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2014 ROBERT LEE 38029 INVALID UNLESS SIGNED	1205	ID. NO.		
			82940	lb GR		
			26920	lb TR RECAILLED		
			56020	lb NT		
			07/30/13 11:39			

28.01 Ton

PLACARDS TENDERED: YES ☐ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____"
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Main Street Properties

PER Michael Jason / Pyramid

CARRIER Don Philips Trucking

PER T. Fike

DATE 7-30-2013

1

JBH 6

Permanent post-office address of shipper.

PRINTED ON RECYCLED PAPER USING SOYBEAN INK PRINTED WITH SOYINK

STYLE F360-9 © 2003 LABELMASTER® (800) 621-5808 www.labelmaster.com

9. _____ of _____

(Name of carrier) (SCAC) Date 7-30-13

ct on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

gnee Earth Tec

State Zip Code

FROM: Shipper Main Street Properties

Street 206 E. Main St

City Carrboro State NC Zip Code

24 hr. Emergency Contact Tel. No. 800-814-1204

Vehicle Number

. of Units ntainer Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
DT		Non Hazardous Material		T		
		Contaminated Soil				
		NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2014 ROBERT LEE 38020				
			94? ID. NO.			
			89100 lb GR 28240 lb TR RECALLED 60860 lb NT			
			07/30/13 11:57			

PLACARDS TENDERED: YES ☐ NO ☐

(1) Where the rate is dependent on value, shippers are required to state y in writing the agreed or declared value of the property, as follows: "The declared value of the property is hereby specifically stated by the shipper to ceeding _____ per _____."
this applicable tariff provisions specify a limitation of the carrier's liability absent or a value declaration by the shipper and the shipper does not release r's liability or declare a value, the carrier's liability shall be limited to the extent by such provisions. See NMFC Item 172.
odities requiring special or additional care or attention in handling or stowing d market and packaged as to ensure safe transportation. See Section 2(e) of Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of act Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO: ADDRESS 30.43 TON

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination; if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

PER Main Street Properties
Michael Jones / Pyramid

CARRIER Vaughan Development

PER [signature]

DATE 7-30-13

1

DV06

ent post-office address of shipper.

PRINTED ON RECYCLED PAPER USING SOYBEAN INK

STRAIGHT BILL OF LADING
ORIGINAL — NOT NEGOTIABLE

Carrier No. _____

Page _____ of _____ (Name of carrier) (SCAC) Date 7-30-13

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO:
Consignee Earth Tec
Street
City State Zip Code

FROM:
Shipper
Street
City State Zip Code
24 hr. Emergency Contact Tel. No.

Route

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
01 DT		Non Hazardous Material		1		
		Petroleum Contaminated Soil				
		NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2014 ROBERT LEE 38029 INVALID UNLESS SIGNED	1205 ID. NO.			
			71580 lb GR			
			26920 lb TR RECALLED			
			44660 lb NT			
			07/30/13	13:42		

22.33 Ton

PLACARDS TENDERED: YES ☐ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Main Street Properties
PER Mike Jones Owner
Robert L

CARRIER Don Philips Trucking
PER T Fuller SBH 6 1
DATE 7-30-13

Permanent post-office address of shipper.

PRINTED ON RECYCLED PAPER USING SOYBEAN INK PRINTED WITH SOY INK

Page _____ of _____

(Name of carrier) (SCAC) Date 7-30-13

In Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO:
Consignee
Street
City State Zip Code

FROM:
Shipper
Street
City State Zip Code
24 hr. Emergency Contact Tel. No.

Route

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
01 DT		Non Hazardous Material		T		
		Petrol gum Contaminated Soil				
		NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2014 ROBERT LEE 38029 INVALID UNLESS SIGNED	947 ID. NO.			
			87320 lb GR			
			28740 lb TR RECALLED			
			59080 lb NT			
			07/30/13 13:51			
						29.5 $/TON

PLACARDS TENDERED: YES ☐ NO ☐

ote — (1) Where the rate is dependent on value, shippers are required to state ecifically in writing the agreed or declared value of the property, as follows: "The greed or declared value of the property is hereby specifically stated by the shipper to not exceeding _____ per _____"
) Where the applicable tariff provisions specify a limitation of the carrier's liability absent release or a value declaration by the shipper and the shipper does not release e carrier's liability or declare a value, the carrier's liability shall be limited to the extent ovided by such provisions. See NMFC Item 172.
) Commodities requiring special or additional care or attention in handling or stowing ust be so marked and packaged as to ensure safe transportation. See Section 2(e) of m 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of e Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Main Street Properties
PER Mike Jones / Pyramid
7-30-13 Robert L

CARRIER Don Phillips Trucking
PER
DATE 7-30-13

1

Permanent post-office address of shipper.

PRINTED ON RECYCLED PAPER USING SOYBEAN INK PRINTED WITH SOY INK

STRAIGHT BILL OF LADING
ORIGINAL — NOT NEGOTIABLE

Shipper No. 13060

Carrier No.

Page ____ of ____

(Name of carrier) (SCAC)

Date 7-30-13

13060

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO:
Consignee Earth Tec

Street

City State Zip Code

FROM:
Shipper

Street

City State Zip Code

24 hr. Emergency Contact Tel. No.

Route

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class, UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
01 DT		Non Hazardous Material		T		
		Petroleum Contaminated Soil				
		NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2014 ROBERT LEE 38029 INVALID UNLESS SIGNED				
			1205 ID. NO.			
			80020 lb GR			
			26920 lb TR RECALLED			
			53100 lb NT			
			07/30/13 15:55			

PLACARDS TENDERED: YES ☐ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO: ADDRESS

26.55 Ton

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Main Street Properties

PER Mike Jones / Pyramid

7-30-17

CARRIER Don Philips Trucking

PER T. Johnson

DATE 7-30-13

JB176

Permanent post-office address of shipper.

PRINTED ON RECYCLED PAPER USING SOYBEAN INK PRINTED WITH SOY INK

STYLE F360-3 © 2003 LABELMASTER® (800) 621-5808 www.labelmaster.com

Page _____ of _____

(Name of carrier) (SCAC) Date _____

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

TO:
Consignee Earth T&C

Street

City State Zip Code

FROM:
Shipper

Street

City State Zip Code

24 hr. Emergency Contact Tel. No.

Route

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
CIDT		Non Hazardous Material		T		
		Po NORTH CAROLINA Contaminated Soil				
		PUBLIC WEIGHMASTER				
		LICENSE EXPIRES JUNE 30, 2014				
		ROBERT LEE 38020	947 ID. NO.			
		INVALID UNLESS SIGNED	86260 lb GR			
			28240 lb TR RECALLED			
			58020 lb NT			
			07/30/13 16:14			

PLACARDS TENDERED: YES ☐ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO ADDRESS

29.01 Ton

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Main Street Properties

PER Mike Jones / Pyramid

Robert L

CARRIER Don Philips Trucking

PER

DATE 7-30-13

1

Permanent post-office address of shipper.

PRINTED ON RECYCLED PAPER USING SOYBEAN INK PRINTED WITH SOY INK

STYLE F360-3 © 2003 LABELMASTER® (800) 621-5808 www.labelmaster.com

GARCO, Inc.

NON-HAZARDOUS WASTE MANIFEST

Please print or type.

NON-HAZARDOUS WASTE MANIFEST		Page 1 of 1
1. Generator's Name and Mailing Address	Milan Steel Company 240 East Main Street Chicago, IL	Generator's EPA Site ID No. Generator's Phone
2. Transporter 1 Company Name GARCO, Inc.	EPA ID No. ILD984100304	3. Transporter 1 Phone (708) 865-0915
4. Transporter 2 Company Name	EPA ID No.	5. Transporter 2 Phone
6. Designated Facility Name and Site Address	GARCO, Inc. 2522 N. Pulaski Rd. Chicago, IL 60639	7. EPA ID Number ILD981000364 Facility Phone (708) 522-0211

8. Waste Description	9. Containers No.	Type	10. Total Quantity	11. Unit Wt./Vol.
A. Non-Hazardous Waste	01	Vacuum Truck	2,000	G
B.				
C.				
D.				

12. Additional Descriptions for Materials Listed Above

A. Petroleum Contaminated Water

B.

C.

D.

14. Special Handling Instructions and Additional Information

24 Hour (708) 522-0211

15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national government regulations.

If export shipment and I am a primary exporter I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.

Printed/Typed Name: DAVID C. JONES | Signature: [illegible] | Month Day Year

16. International Shipments (Import to U.S.)

Transporter signature (for exports only): | Date of exit from U.S.: Month Day Year

17. Transporter Acknowledgment of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

19. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 20.

Printed/Typed Name | Signature | Month Day Year

Appendix K

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

August 23, 2013

Mr. Mike Jones
Pyramid Environmental
P.O. Box 16265
503 Industrial Avenue
Greensboro, NC 27416

RE: Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Dear Mr. Jones:
Enclosed are the analytical results for sample(s) received by the laboratory on August 13, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted 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 Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92168523001	**DB-1**	EPA 8270	RES	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92168523002	**DB-2**	EPA 8270	RES	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92168523003	**DB-3**	EPA 8270	RES	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92168523004	**DB-4**	EPA 8270	RES	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92168523005	**DB-5**	EPA 8270	RES	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92168523006	**DB-6**	EPA 8270	RES	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92168523007	**DB-7**	EPA 8270	RES	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92168523008	**LR-NORTH**	EPA 8270	RES	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92168523009	**LR-WEST**	EPA 8270	RES	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92168523010	**LR-SOUTH**	EPA 8270	RES	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92168523011	**LR-EAST**	EPA 8270	RES	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92168523012	**LR-CENTER**	EPA 8270	RES	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92168523013	**DUPLICATE**	EPA 8270	RES	74	PASI-C

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92168523014	**DS-7**	EPA 8015 Modified	EJK	2	PASI-C
		EPA 8015 Modified	GAW	2	PASI-C
		ASTM D2974-87	TNM	1	PASI-C

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DB-1 **Lab ID: 92168523001** Collected: 08/09/13 11:00 Received: 08/13/13 14:15 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							
Acenaphthene	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	83-32-9	
Acenaphthylene	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	208-96-8	
Aniline	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	62-53-3	
Anthracene	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	120-12-7	
Benzo(a)anthracene	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	56-55-3	
Benzo(a)pyrene	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	207-08-9	
Benzoic Acid	ND	ug/kg	2080	1	08/14/13 08:50	08/15/13 21:43	65-85-0	
Benzyl alcohol	ND	ug/kg	833	1	08/14/13 08:50	08/15/13 21:43	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	101-55-3	
Butylbenzylphthalate	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	833	1	08/14/13 08:50	08/15/13 21:43	59-50-7	
4-Chloroaniline	ND	ug/kg	2080	1	08/14/13 08:50	08/15/13 21:43	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	108-60-1	
2-Chloronaphthalene	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	91-58-7	
2-Chlorophenol	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	7005-72-3	
Chrysene	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	53-70-3	
Dibenzofuran	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2080	1	08/14/13 08:50	08/15/13 21:43	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	120-83-2	
Diethylphthalate	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	105-67-9	
Dimethylphthalate	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	131-11-3	
Di-n-butylphthalate	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	833	1	08/14/13 08:50	08/15/13 21:43	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2080	1	08/14/13 08:50	08/15/13 21:43	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	606-20-2	
Di-n-octylphthalate	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	117-81-7	
Fluoranthene	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	206-44-0	
Fluorene	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	87-68-3	
Hexachlorobenzene	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	77-47-4	
Hexachloroethane	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	193-39-5	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DB-1 **Lab ID: 92168523001** Collected: 08/09/13 11:00 Received: 08/13/13 14:15 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							
Isophorone	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	78-59-1	
1-Methylnaphthalene	**486**	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	90-12-0	
2-Methylnaphthalene	**513**	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43		
Naphthalene	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	91-20-3	
2-Nitroaniline	ND	ug/kg	2080	1	08/14/13 08:50	08/15/13 21:43	88-74-4	
3-Nitroaniline	ND	ug/kg	2080	1	08/14/13 08:50	08/15/13 21:43	99-09-2	
4-Nitroaniline	ND	ug/kg	833	1	08/14/13 08:50	08/15/13 21:43	100-01-6	
Nitrobenzene	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	98-95-3	
2-Nitrophenol	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	88-75-5	
4-Nitrophenol	ND	ug/kg	2080	1	08/14/13 08:50	08/15/13 21:43	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	86-30-6	
Pentachlorophenol	ND	ug/kg	2080	1	08/14/13 08:50	08/15/13 21:43	87-86-5	
Phenanthrene	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	85-01-8	
Phenol	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	108-95-2	
Pyrene	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	416	1	08/14/13 08:50	08/15/13 21:43	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	77	%	23-110	1	08/14/13 08:50	08/15/13 21:43	4165-60-0	
2-Fluorobiphenyl (S)	55	%	30-110	1	08/14/13 08:50	08/15/13 21:43	321-60-8	
Terphenyl-d14 (S)	62	%	28-110	1	08/14/13 08:50	08/15/13 21:43	1718-51-0	
Phenol-d6 (S)	75	%	22-110	1	08/14/13 08:50	08/15/13 21:43	13127-88-3	
2-Fluorophenol (S)	70	%	13-110	1	08/14/13 08:50	08/15/13 21:43	367-12-4	
2,4,6-Tribromophenol (S)	60	%	27-110	1	08/14/13 08:50	08/15/13 21:43	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	94.8	1		08/16/13 19:56	67-64-1	
Benzene	ND	ug/kg	4.7	1		08/16/13 19:56	71-43-2	
Bromobenzene	ND	ug/kg	4.7	1		08/16/13 19:56	108-86-1	
Bromochloromethane	ND	ug/kg	4.7	1		08/16/13 19:56	74-97-5	
Bromodichloromethane	ND	ug/kg	4.7	1		08/16/13 19:56	75-27-4	
Bromoform	ND	ug/kg	4.7	1		08/16/13 19:56	75-25-2	
Bromomethane	ND	ug/kg	9.5	1		08/16/13 19:56	74-83-9	
2-Butanone (MEK)	ND	ug/kg	94.8	1		08/16/13 19:56	78-93-3	
n-Butylbenzene	ND	ug/kg	4.7	1		08/16/13 19:56	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.7	1		08/16/13 19:56	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.7	1		08/16/13 19:56	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.7	1		08/16/13 19:56	56-23-5	
Chlorobenzene	ND	ug/kg	4.7	1		08/16/13 19:56	108-90-7	
Chloroethane	ND	ug/kg	9.5	1		08/16/13 19:56	75-00-3	
Chloroform	ND	ug/kg	4.7	1		08/16/13 19:56	67-66-3	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DB-1 **Lab ID: 92168523001** Collected: 08/09/13 11:00 Received: 08/13/13 14:15 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							
Chloromethane	ND	ug/kg	9.5	1		08/16/13 19:56	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.7	1		08/16/13 19:56	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.7	1		08/16/13 19:56	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.7	1		08/16/13 19:56	96-12-8	
Dibromochloromethane	ND	ug/kg	4.7	1		08/16/13 19:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.7	1		08/16/13 19:56	106-93-4	
Dibromomethane	ND	ug/kg	4.7	1		08/16/13 19:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.7	1		08/16/13 19:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.7	1		08/16/13 19:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.7	1		08/16/13 19:56	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.5	1		08/16/13 19:56	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.7	1		08/16/13 19:56	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.7	1		08/16/13 19:56	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.7	1		08/16/13 19:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.7	1		08/16/13 19:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.7	1		08/16/13 19:56	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.7	1		08/16/13 19:56	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.7	1		08/16/13 19:56	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.7	1		08/16/13 19:56	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.7	1		08/16/13 19:56	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.7	1		08/16/13 19:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.7	1		08/16/13 19:56	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.7	1		08/16/13 19:56	108-20-3	
Ethylbenzene	ND	ug/kg	4.7	1		08/16/13 19:56	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.7	1		08/16/13 19:56	87-68-3	
2-Hexanone	ND	ug/kg	47.4	1		08/16/13 19:56	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.7	1		08/16/13 19:56	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.7	1		08/16/13 19:56	99-87-6	
Methylene Chloride	ND	ug/kg	19.0	1		08/16/13 19:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	47.4	1		08/16/13 19:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.7	1		08/16/13 19:56	1634-04-4	
Naphthalene	**6.7**	ug/kg	4.7	1		08/16/13 19:56	91-20-3	
n-Propylbenzene	ND	ug/kg	4.7	1		08/16/13 19:56	103-65-1	
Styrene	ND	ug/kg	4.7	1		08/16/13 19:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.7	1		08/16/13 19:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.7	1		08/16/13 19:56	79-34-5	
Tetrachloroethene	ND	ug/kg	4.7	1		08/16/13 19:56	127-18-4	
Toluene	ND	ug/kg	4.7	1		08/16/13 19:56	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.7	1		08/16/13 19:56	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.7	1		08/16/13 19:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.7	1		08/16/13 19:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.7	1		08/16/13 19:56	79-00-5	
Trichloroethene	ND	ug/kg	4.7	1		08/16/13 19:56	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.7	1		08/16/13 19:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.7	1		08/16/13 19:56	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.7	1		08/16/13 19:56	95-63-6	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DB-1 **Lab ID: 92168523001** Collected: 08/09/13 11:00 Received: 08/13/13 14:15 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							
1,3,5-Trimethylbenzene	ND	ug/kg	4.7	1		08/16/13 19:56	108-67-8	
Vinyl acetate	ND	ug/kg	47.4	1		08/16/13 19:56	108-05-4	
Vinyl chloride	ND	ug/kg	9.5	1		08/16/13 19:56	75-01-4	
Xylene (Total)	ND	ug/kg	9.5	1		08/16/13 19:56	1330-20-7	
m&p-Xylene	ND	ug/kg	9.5	1		08/16/13 19:56	179601-23-1	
o-Xylene	ND	ug/kg	4.7	1		08/16/13 19:56	95-47-6	
Surrogates								
Dibromofluoromethane (S)	92	%	70-130	1		08/16/13 19:56	1868-53-7	
Toluene-d8 (S)	92	%	70-130	1		08/16/13 19:56	2037-26-5	
4-Bromofluorobenzene (S)	89	%	70-130	1		08/16/13 19:56	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-132	1		08/16/13 19:56	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**20.7**	%	0.10	1		08/15/13 13:33		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DB-2 **Lab ID: 92168523002** Collected: 08/09/13 11:15 Received: 08/13/13 14:15 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							
Acenaphthene	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	83-32-9	
Acenaphthylene	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	208-96-8	
Aniline	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	62-53-3	
Anthracene	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	120-12-7	
Benzo(a)anthracene	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	56-55-3	
Benzo(a)pyrene	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	207-08-9	
Benzoic Acid	ND	ug/kg	2010	1	08/14/13 08:50	08/15/13 22:10	65-85-0	
Benzyl alcohol	ND	ug/kg	806	1	08/14/13 08:50	08/15/13 22:10	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	101-55-3	
Butylbenzylphthalate	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	806	1	08/14/13 08:50	08/15/13 22:10	59-50-7	
4-Chloroaniline	ND	ug/kg	2010	1	08/14/13 08:50	08/15/13 22:10	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	108-60-1	
2-Chloronaphthalene	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	91-58-7	
2-Chlorophenol	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	7005-72-3	
Chrysene	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	53-70-3	
Dibenzofuran	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2010	1	08/14/13 08:50	08/15/13 22:10	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	120-83-2	
Diethylphthalate	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	105-67-9	
Dimethylphthalate	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	131-11-3	
Di-n-butylphthalate	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	806	1	08/14/13 08:50	08/15/13 22:10	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2010	1	08/14/13 08:50	08/15/13 22:10	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	606-20-2	
Di-n-octylphthalate	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	117-81-7	
Fluoranthene	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	206-44-0	
Fluorene	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	87-68-3	
Hexachlorobenzene	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	77-47-4	
Hexachloroethane	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	193-39-5	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DB-2 **Lab ID: 92168523002** Collected: 08/09/13 11:15 Received: 08/13/13 14:15 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							
Isophorone	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	78-59-1	
1-Methylnaphthalene	**1980**	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	90-12-0	
2-Methylnaphthalene	**3210**	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10		
Naphthalene	**854**	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	91-20-3	
2-Nitroaniline	ND	ug/kg	2010	1	08/14/13 08:50	08/15/13 22:10	88-74-4	
3-Nitroaniline	ND	ug/kg	2010	1	08/14/13 08:50	08/15/13 22:10	99-09-2	
4-Nitroaniline	ND	ug/kg	806	1	08/14/13 08:50	08/15/13 22:10	100-01-6	
Nitrobenzene	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	98-95-3	
2-Nitrophenol	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	88-75-5	
4-Nitrophenol	ND	ug/kg	2010	1	08/14/13 08:50	08/15/13 22:10	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	86-30-6	
Pentachlorophenol	ND	ug/kg	2010	1	08/14/13 08:50	08/15/13 22:10	87-86-5	
Phenanthrene	**463**	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	85-01-8	
Phenol	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	108-95-2	
Pyrene	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	403	1	08/14/13 08:50	08/15/13 22:10	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	75	%	23-110	1	08/14/13 08:50	08/15/13 22:10	4165-60-0	
2-Fluorobiphenyl (S)	56	%	30-110	1	08/14/13 08:50	08/15/13 22:10	321-60-8	
Terphenyl-d14 (S)	63	%	28-110	1	08/14/13 08:50	08/15/13 22:10	1718-51-0	
Phenol-d6 (S)	71	%	22-110	1	08/14/13 08:50	08/15/13 22:10	13127-88-3	
2-Fluorophenol (S)	65	%	13-110	1	08/14/13 08:50	08/15/13 22:10	367-12-4	
2,4,6-Tribromophenol (S)	60	%	27-110	1	08/14/13 08:50	08/15/13 22:10	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	2470	25		08/16/13 20:15	67-64-1	
Benzene	ND	ug/kg	123	25		08/16/13 20:15	71-43-2	
Bromobenzene	ND	ug/kg	123	25		08/16/13 20:15	108-86-1	
Bromochloromethane	ND	ug/kg	123	25		08/16/13 20:15	74-97-5	
Bromodichloromethane	ND	ug/kg	123	25		08/16/13 20:15	75-27-4	
Bromoform	ND	ug/kg	123	25		08/16/13 20:15	75-25-2	
Bromomethane	ND	ug/kg	247	25		08/16/13 20:15	74-83-9	
2-Butanone (MEK)	ND	ug/kg	2470	25		08/16/13 20:15	78-93-3	
n-Butylbenzene	**216**	ug/kg	123	25		08/16/13 20:15	104-51-8	
sec-Butylbenzene	**139**	ug/kg	123	25		08/16/13 20:15	135-98-8	
tert-Butylbenzene	ND	ug/kg	123	25		08/16/13 20:15	98-06-6	
Carbon tetrachloride	ND	ug/kg	123	25		08/16/13 20:15	56-23-5	
Chlorobenzene	ND	ug/kg	123	25		08/16/13 20:15	108-90-7	
Chloroethane	ND	ug/kg	247	25		08/16/13 20:15	75-00-3	
Chloroform	ND	ug/kg	123	25		08/16/13 20:15	67-66-3	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DB-2 **Lab ID: 92168523002** Collected: 08/09/13 11:15 Received: 08/13/13 14:15 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							
Chloromethane	ND	ug/kg	247	25		08/16/13 20:15	74-87-3	
2-Chlorotoluene	ND	ug/kg	123	25		08/16/13 20:15	95-49-8	
4-Chlorotoluene	ND	ug/kg	123	25		08/16/13 20:15	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	123	25		08/16/13 20:15	96-12-8	
Dibromochloromethane	ND	ug/kg	123	25		08/16/13 20:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	123	25		08/16/13 20:15	106-93-4	
Dibromomethane	ND	ug/kg	123	25		08/16/13 20:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	123	25		08/16/13 20:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	123	25		08/16/13 20:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	123	25		08/16/13 20:15	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	247	25		08/16/13 20:15	75-71-8	
1,1-Dichloroethane	ND	ug/kg	123	25		08/16/13 20:15	75-34-3	
1,2-Dichloroethane	ND	ug/kg	123	25		08/16/13 20:15	107-06-2	
1,1-Dichloroethene	ND	ug/kg	123	25		08/16/13 20:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	123	25		08/16/13 20:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	123	25		08/16/13 20:15	156-60-5	
1,2-Dichloropropane	ND	ug/kg	123	25		08/16/13 20:15	78-87-5	
1,3-Dichloropropane	ND	ug/kg	123	25		08/16/13 20:15	142-28-9	
2,2-Dichloropropane	ND	ug/kg	123	25		08/16/13 20:15	594-20-7	
1,1-Dichloropropene	ND	ug/kg	123	25		08/16/13 20:15	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	123	25		08/16/13 20:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	123	25		08/16/13 20:15	10061-02-6	
Diisopropyl ether	ND	ug/kg	123	25		08/16/13 20:15	108-20-3	
Ethylbenzene	ND	ug/kg	123	25		08/16/13 20:15	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	123	25		08/16/13 20:15	87-68-3	
2-Hexanone	ND	ug/kg	1230	25		08/16/13 20:15	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	123	25		08/16/13 20:15	98-82-8	
p-Isopropyltoluene	ND	ug/kg	123	25		08/16/13 20:15	99-87-6	
Methylene Chloride	ND	ug/kg	493	25		08/16/13 20:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	1230	25		08/16/13 20:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	123	25		08/16/13 20:15	1634-04-4	
Naphthalene	**2850**	ug/kg	123	25		08/16/13 20:15	91-20-3	
n-Propylbenzene	**167**	ug/kg	123	25		08/16/13 20:15	103-65-1	
Styrene	ND	ug/kg	123	25		08/16/13 20:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	123	25		08/16/13 20:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	123	25		08/16/13 20:15	79-34-5	
Tetrachloroethene	ND	ug/kg	123	25		08/16/13 20:15	127-18-4	
Toluene	ND	ug/kg	123	25		08/16/13 20:15	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	123	25		08/16/13 20:15	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	123	25		08/16/13 20:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	123	25		08/16/13 20:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	123	25		08/16/13 20:15	79-00-5	
Trichloroethene	ND	ug/kg	123	25		08/16/13 20:15	79-01-6	
Trichlorofluoromethane	ND	ug/kg	123	25		08/16/13 20:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	123	25		08/16/13 20:15	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	123	25		08/16/13 20:15	95-63-6	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DB-2 **Lab ID: 92168523002** Collected: 08/09/13 11:15 Received: 08/13/13 14:15 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							
1,3,5-Trimethylbenzene	ND	ug/kg	123	25		08/16/13 20:15	108-67-8	
Vinyl acetate	ND	ug/kg	1230	25		08/16/13 20:15	108-05-4	
Vinyl chloride	ND	ug/kg	247	25		08/16/13 20:15	75-01-4	
Xylene (Total)	ND	ug/kg	247	25		08/16/13 20:15	1330-20-7	
m&p-Xylene	ND	ug/kg	247	25		08/16/13 20:15	179601-23-1	
o-Xylene	ND	ug/kg	123	25		08/16/13 20:15	95-47-6	
Surrogates								
Dibromofluoromethane (S)	82	%	70-130	25		08/16/13 20:15	1868-53-7	
Toluene-d8 (S)	103	%	70-130	25		08/16/13 20:15	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130	25		08/16/13 20:15	460-00-4	
1,2-Dichloroethane-d4 (S)	82	%	70-132	25		08/16/13 20:15	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**18.1**	%	0.10	1		08/15/13 13:33		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DB-3 **Lab ID: 92168523003** Collected: 08/09/13 11:30 Received: 08/13/13 14:15 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							
Acenaphthene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	83-32-9	
Acenaphthylene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	208-96-8	
Aniline	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	62-53-3	
Anthracene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	120-12-7	
Benzo(a)anthracene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	56-55-3	
Benzo(a)pyrene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	207-08-9	
Benzoic Acid	ND	ug/kg	1920	1	08/14/13 08:50	08/16/13 13:10	65-85-0	
Benzyl alcohol	ND	ug/kg	766	1	08/14/13 08:50	08/16/13 13:10	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	101-55-3	
Butylbenzylphthalate	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	766	1	08/14/13 08:50	08/16/13 13:10	59-50-7	
4-Chloroaniline	ND	ug/kg	1920	1	08/14/13 08:50	08/16/13 13:10	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	108-60-1	
2-Chloronaphthalene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	91-58-7	
2-Chlorophenol	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	7005-72-3	
Chrysene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	53-70-3	
Dibenzofuran	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1920	1	08/14/13 08:50	08/16/13 13:10	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	120-83-2	
Diethylphthalate	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	105-67-9	
Dimethylphthalate	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	131-11-3	
Di-n-butylphthalate	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	766	1	08/14/13 08:50	08/16/13 13:10	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1920	1	08/14/13 08:50	08/16/13 13:10	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	606-20-2	
Di-n-octylphthalate	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	117-81-7	
Fluoranthene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	206-44-0	
Fluorene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	87-68-3	
Hexachlorobenzene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	77-47-4	
Hexachloroethane	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	193-39-5	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DB-3 **Lab ID: 92168523003** Collected: 08/09/13 11:30 Received: 08/13/13 14:15 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							
Isophorone	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	78-59-1	
1-Methylnaphthalene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	90-12-0	
2-Methylnaphthalene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10		
Naphthalene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	91-20-3	
2-Nitroaniline	ND	ug/kg	1920	1	08/14/13 08:50	08/16/13 13:10	88-74-4	
3-Nitroaniline	ND	ug/kg	1920	1	08/14/13 08:50	08/16/13 13:10	99-09-2	
4-Nitroaniline	ND	ug/kg	766	1	08/14/13 08:50	08/16/13 13:10	100-01-6	
Nitrobenzene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	98-95-3	
2-Nitrophenol	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	88-75-5	
4-Nitrophenol	ND	ug/kg	1920	1	08/14/13 08:50	08/16/13 13:10	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	86-30-6	
Pentachlorophenol	ND	ug/kg	1920	1	08/14/13 08:50	08/16/13 13:10	87-86-5	
Phenanthrene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	85-01-8	
Phenol	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	108-95-2	
Pyrene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 13:10	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	66	%	23-110	1	08/14/13 08:50	08/16/13 13:10	4165-60-0	
2-Fluorobiphenyl (S)	47	%	30-110	1	08/14/13 08:50	08/16/13 13:10	321-60-8	
Terphenyl-d14 (S)	58	%	28-110	1	08/14/13 08:50	08/16/13 13:10	1718-51-0	
Phenol-d6 (S)	66	%	22-110	1	08/14/13 08:50	08/16/13 13:10	13127-88-3	
2-Fluorophenol (S)	63	%	13-110	1	08/14/13 08:50	08/16/13 13:10	367-12-4	
2,4,6-Tribromophenol (S)	55	%	27-110	1	08/14/13 08:50	08/16/13 13:10	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	92.8	1		08/16/13 20:34	67-64-1	
Benzene	ND	ug/kg	4.6	1		08/16/13 20:34	71-43-2	
Bromobenzene	ND	ug/kg	4.6	1		08/16/13 20:34	108-86-1	
Bromochloromethane	ND	ug/kg	4.6	1		08/16/13 20:34	74-97-5	
Bromodichloromethane	ND	ug/kg	4.6	1		08/16/13 20:34	75-27-4	
Bromoform	ND	ug/kg	4.6	1		08/16/13 20:34	75-25-2	
Bromomethane	ND	ug/kg	9.3	1		08/16/13 20:34	74-83-9	
2-Butanone (MEK)	ND	ug/kg	92.8	1		08/16/13 20:34	78-93-3	
n-Butylbenzene	ND	ug/kg	4.6	1		08/16/13 20:34	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.6	1		08/16/13 20:34	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.6	1		08/16/13 20:34	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.6	1		08/16/13 20:34	56-23-5	
Chlorobenzene	ND	ug/kg	4.6	1		08/16/13 20:34	108-90-7	
Chloroethane	ND	ug/kg	9.3	1		08/16/13 20:34	75-00-3	
Chloroform	ND	ug/kg	4.6	1		08/16/13 20:34	67-66-3	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DB-3 **Lab ID: 92168523003** Collected: 08/09/13 11:30 Received: 08/13/13 14:15 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							
Chloromethane	ND	ug/kg	9.3	1		08/16/13 20:34	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.6	1		08/16/13 20:34	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.6	1		08/16/13 20:34	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.6	1		08/16/13 20:34	96-12-8	
Dibromochloromethane	ND	ug/kg	4.6	1		08/16/13 20:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.6	1		08/16/13 20:34	106-93-4	
Dibromomethane	ND	ug/kg	4.6	1		08/16/13 20:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1		08/16/13 20:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1		08/16/13 20:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1		08/16/13 20:34	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.3	1		08/16/13 20:34	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.6	1		08/16/13 20:34	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	1		08/16/13 20:34	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.6	1		08/16/13 20:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.6	1		08/16/13 20:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1		08/16/13 20:34	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1		08/16/13 20:34	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.6	1		08/16/13 20:34	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.6	1		08/16/13 20:34	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.6	1		08/16/13 20:34	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1		08/16/13 20:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1		08/16/13 20:34	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.6	1		08/16/13 20:34	108-20-3	
Ethylbenzene	ND	ug/kg	4.6	1		08/16/13 20:34	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.6	1		08/16/13 20:34	87-68-3	
2-Hexanone	ND	ug/kg	46.4	1		08/16/13 20:34	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1		08/16/13 20:34	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.6	1		08/16/13 20:34	99-87-6	
Methylene Chloride	ND	ug/kg	18.6	1		08/16/13 20:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	46.4	1		08/16/13 20:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1		08/16/13 20:34	1634-04-4	
Naphthalene	**6.2**	ug/kg	4.6	1		08/16/13 20:34	91-20-3	
n-Propylbenzene	ND	ug/kg	4.6	1		08/16/13 20:34	103-65-1	
Styrene	ND	ug/kg	4.6	1		08/16/13 20:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.6	1		08/16/13 20:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1		08/16/13 20:34	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1		08/16/13 20:34	127-18-4	
Toluene	ND	ug/kg	4.6	1		08/16/13 20:34	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	1		08/16/13 20:34	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1		08/16/13 20:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1		08/16/13 20:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1		08/16/13 20:34	79-00-5	
Trichloroethene	ND	ug/kg	4.6	1		08/16/13 20:34	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	1		08/16/13 20:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.6	1		08/16/13 20:34	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.6	1		08/16/13 20:34	95-63-6	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DB-3 **Lab ID: 92168523003** Collected: 08/09/13 11:30 Received: 08/13/13 14:15 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							
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	1		08/16/13 20:34	108-67-8	
Vinyl acetate	ND	ug/kg	46.4	1		08/16/13 20:34	108-05-4	
Vinyl chloride	ND	ug/kg	9.3	1		08/16/13 20:34	75-01-4	
Xylene (Total)	ND	ug/kg	9.3	1		08/16/13 20:34	1330-20-7	
m&p-Xylene	ND	ug/kg	9.3	1		08/16/13 20:34	179601-23-1	
o-Xylene	ND	ug/kg	4.6	1		08/16/13 20:34	95-47-6	
Surrogates								
Dibromofluoromethane (S)	85	%	70-130	1		08/16/13 20:34	1868-53-7	
Toluene-d8 (S)	99	%	70-130	1		08/16/13 20:34	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130	1		08/16/13 20:34	460-00-4	
1,2-Dichloroethane-d4 (S)	87	%	70-132	1		08/16/13 20:34	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**13.9**	%	0.10	1		08/15/13 13:43		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DB-4 **Lab ID: 92168523004** Collected: 08/09/13 11:45 Received: 08/13/13 14:15 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							
Acenaphthene	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	83-32-9	
Acenaphthylene	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	208-96-8	
Aniline	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	62-53-3	
Anthracene	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	120-12-7	
Benzo(a)anthracene	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	56-55-3	
Benzo(a)pyrene	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	207-08-9	
Benzoic Acid	ND	ug/kg	1840	1	08/14/13 08:50	08/16/13 13:37	65-85-0	
Benzyl alcohol	ND	ug/kg	735	1	08/14/13 08:50	08/16/13 13:37	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	101-55-3	
Butylbenzylphthalate	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	735	1	08/14/13 08:50	08/16/13 13:37	59-50-7	
4-Chloroaniline	ND	ug/kg	1840	1	08/14/13 08:50	08/16/13 13:37	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	108-60-1	
2-Chloronaphthalene	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	91-58-7	
2-Chlorophenol	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	7005-72-3	
Chrysene	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	53-70-3	
Dibenzofuran	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1840	1	08/14/13 08:50	08/16/13 13:37	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	120-83-2	
Diethylphthalate	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	105-67-9	
Dimethylphthalate	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	131-11-3	
Di-n-butylphthalate	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	735	1	08/14/13 08:50	08/16/13 13:37	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1840	1	08/14/13 08:50	08/16/13 13:37	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	606-20-2	
Di-n-octylphthalate	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	117-81-7	
Fluoranthene	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	206-44-0	
Fluorene	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	87-68-3	
Hexachlorobenzene	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	77-47-4	
Hexachloroethane	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	193-39-5	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DB-4 **Lab ID: 92168523004** Collected: 08/09/13 11:45 Received: 08/13/13 14:15 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							
Isophorone	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	78-59-1	
1-Methylnaphthalene	**986**	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	90-12-0	
2-Methylnaphthalene	**1350**	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37		
Naphthalene	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	91-20-3	
2-Nitroaniline	ND	ug/kg	1840	1	08/14/13 08:50	08/16/13 13:37	88-74-4	
3-Nitroaniline	ND	ug/kg	1840	1	08/14/13 08:50	08/16/13 13:37	99-09-2	
4-Nitroaniline	ND	ug/kg	735	1	08/14/13 08:50	08/16/13 13:37	100-01-6	
Nitrobenzene	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	98-95-3	
2-Nitrophenol	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	88-75-5	
4-Nitrophenol	ND	ug/kg	1840	1	08/14/13 08:50	08/16/13 13:37	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	86-30-6	
Pentachlorophenol	ND	ug/kg	1840	1	08/14/13 08:50	08/16/13 13:37	87-86-5	
Phenanthrene	**502**	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	85-01-8	
Phenol	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	108-95-2	
Pyrene	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	367	1	08/14/13 08:50	08/16/13 13:37	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	63	%	23-110	1	08/14/13 08:50	08/16/13 13:37	4165-60-0	
2-Fluorobiphenyl (S)	60	%	30-110	1	08/14/13 08:50	08/16/13 13:37	321-60-8	
Terphenyl-d14 (S)	67	%	28-110	1	08/14/13 08:50	08/16/13 13:37	1718-51-0	
Phenol-d6 (S)	65	%	22-110	1	08/14/13 08:50	08/16/13 13:37	13127-88-3	
2-Fluorophenol (S)	56	%	13-110	1	08/14/13 08:50	08/16/13 13:37	367-12-4	
2,4,6-Tribromophenol (S)	59	%	27-110	1	08/14/13 08:50	08/16/13 13:37	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	2650	25		08/16/13 20:53	67-64-1	
Benzene	ND	ug/kg	132	25		08/16/13 20:53	71-43-2	
Bromobenzene	ND	ug/kg	132	25		08/16/13 20:53	108-86-1	
Bromochloromethane	ND	ug/kg	132	25		08/16/13 20:53	74-97-5	
Bromodichloromethane	ND	ug/kg	132	25		08/16/13 20:53	75-27-4	
Bromoform	ND	ug/kg	132	25		08/16/13 20:53	75-25-2	
Bromomethane	ND	ug/kg	265	25		08/16/13 20:53	74-83-9	
2-Butanone (MEK)	ND	ug/kg	2650	25		08/16/13 20:53	78-93-3	
n-Butylbenzene	ND	ug/kg	132	25		08/16/13 20:53	104-51-8	
sec-Butylbenzene	ND	ug/kg	132	25		08/16/13 20:53	135-98-8	
tert-Butylbenzene	ND	ug/kg	132	25		08/16/13 20:53	98-06-6	
Carbon tetrachloride	ND	ug/kg	132	25		08/16/13 20:53	56-23-5	
Chlorobenzene	ND	ug/kg	132	25		08/16/13 20:53	108-90-7	
Chloroethane	ND	ug/kg	265	25		08/16/13 20:53	75-00-3	
Chloroform	ND	ug/kg	132	25		08/16/13 20:53	67-66-3	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DB-4 **Lab ID: 92168523004** Collected: 08/09/13 11:45 Received: 08/13/13 14:15 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							
Chloromethane	ND	ug/kg	265	25		08/16/13 20:53	74-87-3	
2-Chlorotoluene	ND	ug/kg	132	25		08/16/13 20:53	95-49-8	
4-Chlorotoluene	ND	ug/kg	132	25		08/16/13 20:53	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	132	25		08/16/13 20:53	96-12-8	
Dibromochloromethane	ND	ug/kg	132	25		08/16/13 20:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	132	25		08/16/13 20:53	106-93-4	
Dibromomethane	ND	ug/kg	132	25		08/16/13 20:53	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	132	25		08/16/13 20:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	132	25		08/16/13 20:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	132	25		08/16/13 20:53	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	265	25		08/16/13 20:53	75-71-8	D3
1,1-Dichloroethane	ND	ug/kg	132	25		08/16/13 20:53	75-34-3	
1,2-Dichloroethane	ND	ug/kg	132	25		08/16/13 20:53	107-06-2	
1,1-Dichloroethene	ND	ug/kg	132	25		08/16/13 20:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	132	25		08/16/13 20:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	132	25		08/16/13 20:53	156-60-5	
1,2-Dichloropropane	ND	ug/kg	132	25		08/16/13 20:53	78-87-5	
1,3-Dichloropropane	ND	ug/kg	132	25		08/16/13 20:53	142-28-9	
2,2-Dichloropropane	ND	ug/kg	132	25		08/16/13 20:53	594-20-7	
1,1-Dichloropropene	ND	ug/kg	132	25		08/16/13 20:53	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	132	25		08/16/13 20:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	132	25		08/16/13 20:53	10061-02-6	
Diisopropyl ether	ND	ug/kg	132	25		08/16/13 20:53	108-20-3	
Ethylbenzene	ND	ug/kg	132	25		08/16/13 20:53	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	132	25		08/16/13 20:53	87-68-3	
2-Hexanone	ND	ug/kg	1320	25		08/16/13 20:53	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	132	25		08/16/13 20:53	98-82-8	
p-Isopropyltoluene	ND	ug/kg	132	25		08/16/13 20:53	99-87-6	
Methylene Chloride	ND	ug/kg	529	25		08/16/13 20:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	1320	25		08/16/13 20:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	132	25		08/16/13 20:53	1634-04-4	
Naphthalene	**1030**	ug/kg	132	25		08/16/13 20:53	91-20-3	
n-Propylbenzene	ND	ug/kg	132	25		08/16/13 20:53	103-65-1	
Styrene	ND	ug/kg	132	25		08/16/13 20:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	132	25		08/16/13 20:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	132	25		08/16/13 20:53	79-34-5	
Tetrachloroethene	ND	ug/kg	132	25		08/16/13 20:53	127-18-4	
Toluene	ND	ug/kg	132	25		08/16/13 20:53	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	132	25		08/16/13 20:53	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	132	25		08/16/13 20:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	132	25		08/16/13 20:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	132	25		08/16/13 20:53	79-00-5	
Trichloroethene	ND	ug/kg	132	25		08/16/13 20:53	79-01-6	
Trichlorofluoromethane	ND	ug/kg	132	25		08/16/13 20:53	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	132	25		08/16/13 20:53	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	132	25		08/16/13 20:53	95-63-6	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DB-4 **Lab ID: 92168523004** Collected: 08/09/13 11:45 Received: 08/13/13 14:15 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							
1,3,5-Trimethylbenzene	ND	ug/kg	132	25		08/16/13 20:53	108-67-8	
Vinyl acetate	ND	ug/kg	1320	25		08/16/13 20:53	108-05-4	
Vinyl chloride	ND	ug/kg	265	25		08/16/13 20:53	75-01-4	
Xylene (Total)	ND	ug/kg	265	25		08/16/13 20:53	1330-20-7	
m&p-Xylene	ND	ug/kg	265	25		08/16/13 20:53	179601-23-1	
o-Xylene	ND	ug/kg	132	25		08/16/13 20:53	95-47-6	
Surrogates								
Dibromofluoromethane (S)	83	%	70-130	25		08/16/13 20:53	1868-53-7	
Toluene-d8 (S)	99	%	70-130	25		08/16/13 20:53	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130	25		08/16/13 20:53	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-132	25		08/16/13 20:53	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**10.2**	%	0.10	1		08/15/13 13:43		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DB-5 **Lab ID: 92168523005** Collected: 08/09/13 12:00 Received: 08/13/13 14:15 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							
Acenaphthene	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	83-32-9	
Acenaphthylene	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	208-96-8	
Aniline	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	62-53-3	
Anthracene	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	120-12-7	
Benzo(a)anthracene	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	56-55-3	
Benzo(a)pyrene	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	207-08-9	
Benzoic Acid	ND	ug/kg	1940	1	08/14/13 08:50	08/16/13 14:04	65-85-0	
Benzyl alcohol	ND	ug/kg	775	1	08/14/13 08:50	08/16/13 14:04	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	101-55-3	
Butylbenzylphthalate	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	775	1	08/14/13 08:50	08/16/13 14:04	59-50-7	
4-Chloroaniline	ND	ug/kg	1940	1	08/14/13 08:50	08/16/13 14:04	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	108-60-1	
2-Chloronaphthalene	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	91-58-7	
2-Chlorophenol	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	7005-72-3	
Chrysene	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	53-70-3	
Dibenzofuran	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1940	1	08/14/13 08:50	08/16/13 14:04	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	120-83-2	
Diethylphthalate	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	105-67-9	
Dimethylphthalate	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	131-11-3	
Di-n-butylphthalate	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	775	1	08/14/13 08:50	08/16/13 14:04	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1940	1	08/14/13 08:50	08/16/13 14:04	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	606-20-2	
Di-n-octylphthalate	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	117-81-7	
Fluoranthene	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	206-44-0	
Fluorene	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	87-68-3	
Hexachlorobenzene	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	77-47-4	
Hexachloroethane	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	193-39-5	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DB-5 **Lab ID: 92168523005** Collected: 08/09/13 12:00 Received: 08/13/13 14:15 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							
Isophorone	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	78-59-1	
1-Methylnaphthalene	**1040**	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	90-12-0	
2-Methylnaphthalene	**1180**	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04		
Naphthalene	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	91-20-3	
2-Nitroaniline	ND	ug/kg	1940	1	08/14/13 08:50	08/16/13 14:04	88-74-4	
3-Nitroaniline	ND	ug/kg	1940	1	08/14/13 08:50	08/16/13 14:04	99-09-2	
4-Nitroaniline	ND	ug/kg	775	1	08/14/13 08:50	08/16/13 14:04	100-01-6	
Nitrobenzene	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	98-95-3	
2-Nitrophenol	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	88-75-5	
4-Nitrophenol	ND	ug/kg	1940	1	08/14/13 08:50	08/16/13 14:04	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	86-30-6	
Pentachlorophenol	ND	ug/kg	1940	1	08/14/13 08:50	08/16/13 14:04	87-86-5	
Phenanthrene	**485**	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	85-01-8	
Phenol	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	108-95-2	
Pyrene	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	387	1	08/14/13 08:50	08/16/13 14:04	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	82	%	23-110	1	08/14/13 08:50	08/16/13 14:04	4165-60-0	
2-Fluorobiphenyl (S)	57	%	30-110	1	08/14/13 08:50	08/16/13 14:04	321-60-8	
Terphenyl-d14 (S)	65	%	28-110	1	08/14/13 08:50	08/16/13 14:04	1718-51-0	
Phenol-d6 (S)	61	%	22-110	1	08/14/13 08:50	08/16/13 14:04	13127-88-3	
2-Fluorophenol (S)	52	%	13-110	1	08/14/13 08:50	08/16/13 14:04	367-12-4	
2,4,6-Tribromophenol (S)	60	%	27-110	1	08/14/13 08:50	08/16/13 14:04	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	2090	20		08/16/13 21:12	67-64-1	
Benzene	ND	ug/kg	104	20		08/16/13 21:12	71-43-2	
Bromobenzene	ND	ug/kg	104	20		08/16/13 21:12	108-86-1	
Bromochloromethane	ND	ug/kg	104	20		08/16/13 21:12	74-97-5	
Bromodichloromethane	ND	ug/kg	104	20		08/16/13 21:12	75-27-4	
Bromoform	ND	ug/kg	104	20		08/16/13 21:12	75-25-2	
Bromomethane	ND	ug/kg	209	20		08/16/13 21:12	74-83-9	
2-Butanone (MEK)	ND	ug/kg	2090	20		08/16/13 21:12	78-93-3	
n-Butylbenzene	**912**	ug/kg	104	20		08/16/13 21:12	104-51-8	
sec-Butylbenzene	**664**	ug/kg	104	20		08/16/13 21:12	135-98-8	
tert-Butylbenzene	**180**	ug/kg	104	20		08/16/13 21:12	98-06-6	
Carbon tetrachloride	ND	ug/kg	104	20		08/16/13 21:12	56-23-5	
Chlorobenzene	ND	ug/kg	104	20		08/16/13 21:12	108-90-7	
Chloroethane	ND	ug/kg	209	20		08/16/13 21:12	75-00-3	
Chloroform	ND	ug/kg	104	20		08/16/13 21:12	67-66-3	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DB-5 **Lab ID: 92168523005** Collected: 08/09/13 12:00 Received: 08/13/13 14:15 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							
Chloromethane	ND	ug/kg	209	20		08/16/13 21:12	74-87-3	
2-Chlorotoluene	ND	ug/kg	104	20		08/16/13 21:12	95-49-8	
4-Chlorotoluene	ND	ug/kg	104	20		08/16/13 21:12	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	104	20		08/16/13 21:12	96-12-8	
Dibromochloromethane	ND	ug/kg	104	20		08/16/13 21:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	104	20		08/16/13 21:12	106-93-4	
Dibromomethane	ND	ug/kg	104	20		08/16/13 21:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	104	20		08/16/13 21:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	104	20		08/16/13 21:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	104	20		08/16/13 21:12	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	209	20		08/16/13 21:12	75-71-8	
1,1-Dichloroethane	ND	ug/kg	104	20		08/16/13 21:12	75-34-3	
1,2-Dichloroethane	ND	ug/kg	104	20		08/16/13 21:12	107-06-2	
1,1-Dichloroethene	ND	ug/kg	104	20		08/16/13 21:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	104	20		08/16/13 21:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	104	20		08/16/13 21:12	156-60-5	
1,2-Dichloropropane	ND	ug/kg	104	20		08/16/13 21:12	78-87-5	
1,3-Dichloropropane	ND	ug/kg	104	20		08/16/13 21:12	142-28-9	
2,2-Dichloropropane	ND	ug/kg	104	20		08/16/13 21:12	594-20-7	
1,1-Dichloropropene	ND	ug/kg	104	20		08/16/13 21:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	104	20		08/16/13 21:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	104	20		08/16/13 21:12	10061-02-6	
Diisopropyl ether	ND	ug/kg	104	20		08/16/13 21:12	108-20-3	
Ethylbenzene	**760**	ug/kg	104	20		08/16/13 21:12	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	104	20		08/16/13 21:12	87-68-3	
2-Hexanone	ND	ug/kg	1040	20		08/16/13 21:12	591-78-6	
Isopropylbenzene (Cumene)	**541**	ug/kg	104	20		08/16/13 21:12	98-82-8	
p-Isopropyltoluene	**1210**	ug/kg	104	20		08/16/13 21:12	99-87-6	
Methylene Chloride	ND	ug/kg	418	20		08/16/13 21:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	1040	20		08/16/13 21:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	104	20		08/16/13 21:12	1634-04-4	
Naphthalene	**701**	ug/kg	104	20		08/16/13 21:12	91-20-3	
n-Propylbenzene	**1080**	ug/kg	104	20		08/16/13 21:12	103-65-1	
Styrene	ND	ug/kg	104	20		08/16/13 21:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	104	20		08/16/13 21:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	104	20		08/16/13 21:12	79-34-5	
Tetrachloroethene	ND	ug/kg	104	20		08/16/13 21:12	127-18-4	
Toluene	ND	ug/kg	104	20		08/16/13 21:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	104	20		08/16/13 21:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	104	20		08/16/13 21:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	104	20		08/16/13 21:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	104	20		08/16/13 21:12	79-00-5	
Trichloroethene	ND	ug/kg	104	20		08/16/13 21:12	79-01-6	
Trichlorofluoromethane	ND	ug/kg	104	20		08/16/13 21:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	104	20		08/16/13 21:12	96-18-4	
1,2,4-Trimethylbenzene	**7330**	ug/kg	261	50		08/19/13 14:41	95-63-6	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DB-5 **Lab ID: 92168523005** Collected: 08/09/13 12:00 Received: 08/13/13 14:15 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							
1,3,5-Trimethylbenzene	**1840**	ug/kg	104	20		08/16/13 21:12	108-67-8	
Vinyl acetate	ND	ug/kg	1040	20		08/16/13 21:12	108-05-4	
Vinyl chloride	ND	ug/kg	209	20		08/16/13 21:12	75-01-4	
Xylene (Total)	**516**	ug/kg	209	20		08/16/13 21:12	1330-20-7	
m&p-Xylene	**516**	ug/kg	209	20		08/16/13 21:12	179601-23-1	
o-Xylene	ND	ug/kg	104	20		08/16/13 21:12	95-47-6	
Surrogates								
Dibromofluoromethane (S)	93	%	70-130	20		08/16/13 21:12	1868-53-7	
Toluene-d8 (S)	106	%	70-130	20		08/16/13 21:12	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130	20		08/16/13 21:12	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-132	20		08/16/13 21:12	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**14.8**	%	0.10	1		08/15/13 13:43		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DB-6 **Lab ID: 92168523006** Collected: 08/09/13 13:30 Received: 08/13/13 14:15 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							
Acenaphthene	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	83-32-9	
Acenaphthylene	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	208-96-8	
Aniline	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	62-53-3	
Anthracene	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	120-12-7	
Benzo(a)anthracene	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	56-55-3	
Benzo(a)pyrene	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	207-08-9	
Benzoic Acid	ND	ug/kg	18500	10	08/14/13 08:50	08/19/13 14:21	65-85-0	
Benzyl alcohol	ND	ug/kg	7410	10	08/14/13 08:50	08/19/13 14:21	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7410	10	08/14/13 08:50	08/19/13 14:21	59-50-7	
4-Chloroaniline	ND	ug/kg	18500	10	08/14/13 08:50	08/19/13 14:21	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	91-58-7	
2-Chlorophenol	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	7005-72-3	
Chrysene	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	53-70-3	
Dibenzofuran	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	18500	10	08/14/13 08:50	08/19/13 14:21	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	120-83-2	
Diethylphthalate	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	105-67-9	
Dimethylphthalate	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	7410	10	08/14/13 08:50	08/19/13 14:21	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	18500	10	08/14/13 08:50	08/19/13 14:21	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	117-81-7	
Fluoranthene	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	206-44-0	
Fluorene	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	87-68-3	
Hexachlorobenzene	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	77-47-4	
Hexachloroethane	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	193-39-5	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DB-6 **Lab ID: 92168523006** Collected: 08/09/13 13:30 Received: 08/13/13 14:15 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							
Isophorone	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	78-59-1	
1-Methylnaphthalene	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	90-12-0	
2-Methylnaphthalene	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21		
Naphthalene	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	91-20-3	
2-Nitroaniline	ND	ug/kg	18500	10	08/14/13 08:50	08/19/13 14:21	88-74-4	
3-Nitroaniline	ND	ug/kg	18500	10	08/14/13 08:50	08/19/13 14:21	99-09-2	
4-Nitroaniline	ND	ug/kg	7410	10	08/14/13 08:50	08/19/13 14:21	100-01-6	
Nitrobenzene	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	98-95-3	
2-Nitrophenol	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	88-75-5	
4-Nitrophenol	ND	ug/kg	18500	10	08/14/13 08:50	08/19/13 14:21	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	86-30-6	
Pentachlorophenol	ND	ug/kg	18500	10	08/14/13 08:50	08/19/13 14:21	87-86-5	
Phenanthrene	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	85-01-8	
Phenol	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	108-95-2	
Pyrene	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3700	10	08/14/13 08:50	08/19/13 14:21	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	0	%	23-110	10	08/14/13 08:50	08/19/13 14:21	4165-60-0	D3,S4
2-Fluorobiphenyl (S)	0	%	30-110	10	08/14/13 08:50	08/19/13 14:21	321-60-8	
Terphenyl-d14 (S)	0	%	28-110	10	08/14/13 08:50	08/19/13 14:21	1718-51-0	
Phenol-d6 (S)	0	%	22-110	10	08/14/13 08:50	08/19/13 14:21	13127-88-3	
2-Fluorophenol (S)	0	%	13-110	10	08/14/13 08:50	08/19/13 14:21	367-12-4	
2,4,6-Tribromophenol (S)	0	%	27-110	10	08/14/13 08:50	08/19/13 14:21	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	2860	25		08/19/13 15:19	67-64-1	
Benzene	ND	ug/kg	143	25		08/19/13 15:19	71-43-2	
Bromobenzene	ND	ug/kg	143	25		08/19/13 15:19	108-86-1	
Bromochloromethane	ND	ug/kg	143	25		08/19/13 15:19	74-97-5	
Bromodichloromethane	ND	ug/kg	143	25		08/19/13 15:19	75-27-4	
Bromoform	ND	ug/kg	143	25		08/19/13 15:19	75-25-2	
Bromomethane	ND	ug/kg	286	25		08/19/13 15:19	74-83-9	
2-Butanone (MEK)	ND	ug/kg	2860	25		08/19/13 15:19	78-93-3	
n-Butylbenzene	ND	ug/kg	143	25		08/19/13 15:19	104-51-8	
sec-Butylbenzene	ND	ug/kg	143	25		08/19/13 15:19	135-98-8	
tert-Butylbenzene	ND	ug/kg	143	25		08/19/13 15:19	98-06-6	
Carbon tetrachloride	ND	ug/kg	143	25		08/19/13 15:19	56-23-5	
Chlorobenzene	ND	ug/kg	143	25		08/19/13 15:19	108-90-7	
Chloroethane	ND	ug/kg	286	25		08/19/13 15:19	75-00-3	
Chloroform	ND	ug/kg	143	25		08/19/13 15:19	67-66-3	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DB-6 **Lab ID: 92168523006** Collected: 08/09/13 13:30 Received: 08/13/13 14:15 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							
Chloromethane	ND	ug/kg	286	25		08/19/13 15:19	74-87-3	
2-Chlorotoluene	ND	ug/kg	143	25		08/19/13 15:19	95-49-8	
4-Chlorotoluene	ND	ug/kg	143	25		08/19/13 15:19	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	143	25		08/19/13 15:19	96-12-8	
Dibromochloromethane	ND	ug/kg	143	25		08/19/13 15:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	143	25		08/19/13 15:19	106-93-4	
Dibromomethane	ND	ug/kg	143	25		08/19/13 15:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	143	25		08/19/13 15:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	143	25		08/19/13 15:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	143	25		08/19/13 15:19	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	286	25		08/19/13 15:19	75-71-8	D3
1,1-Dichloroethane	ND	ug/kg	143	25		08/19/13 15:19	75-34-3	
1,2-Dichloroethane	ND	ug/kg	143	25		08/19/13 15:19	107-06-2	
1,1-Dichloroethene	ND	ug/kg	143	25		08/19/13 15:19	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	143	25		08/19/13 15:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	143	25		08/19/13 15:19	156-60-5	
1,2-Dichloropropane	ND	ug/kg	143	25		08/19/13 15:19	78-87-5	
1,3-Dichloropropane	ND	ug/kg	143	25		08/19/13 15:19	142-28-9	
2,2-Dichloropropane	ND	ug/kg	143	25		08/19/13 15:19	594-20-7	
1,1-Dichloropropene	ND	ug/kg	143	25		08/19/13 15:19	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	143	25		08/19/13 15:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	143	25		08/19/13 15:19	10061-02-6	
Diisopropyl ether	ND	ug/kg	143	25		08/19/13 15:19	108-20-3	
Ethylbenzene	ND	ug/kg	143	25		08/19/13 15:19	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	143	25		08/19/13 15:19	87-68-3	
2-Hexanone	ND	ug/kg	1430	25		08/19/13 15:19	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	143	25		08/19/13 15:19	98-82-8	
p-Isopropyltoluene	ND	ug/kg	143	25		08/19/13 15:19	99-87-6	
Methylene Chloride	ND	ug/kg	571	25		08/19/13 15:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	1430	25		08/19/13 15:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	143	25		08/19/13 15:19	1634-04-4	
Naphthalene	**239**	ug/kg	143	25		08/19/13 15:19	91-20-3	
n-Propylbenzene	ND	ug/kg	143	25		08/19/13 15:19	103-65-1	
Styrene	ND	ug/kg	143	25		08/19/13 15:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	143	25		08/19/13 15:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	143	25		08/19/13 15:19	79-34-5	
Tetrachloroethene	ND	ug/kg	143	25		08/19/13 15:19	127-18-4	
Toluene	ND	ug/kg	143	25		08/19/13 15:19	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	143	25		08/19/13 15:19	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	143	25		08/19/13 15:19	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	143	25		08/19/13 15:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	143	25		08/19/13 15:19	79-00-5	
Trichloroethene	ND	ug/kg	143	25		08/19/13 15:19	79-01-6	
Trichlorofluoromethane	ND	ug/kg	143	25		08/19/13 15:19	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	143	25		08/19/13 15:19	96-18-4	
1,2,4-Trimethylbenzene	**211**	ug/kg	143	25		08/19/13 15:19	95-63-6	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DB-6 **Lab ID: 92168523006** Collected: 08/09/13 13:30 Received: 08/13/13 14:15 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							
1,3,5-Trimethylbenzene	ND	ug/kg	143	25		08/19/13 15:19	108-67-8	
Vinyl acetate	ND	ug/kg	1430	25		08/19/13 15:19	108-05-4	
Vinyl chloride	ND	ug/kg	286	25		08/19/13 15:19	75-01-4	
Xylene (Total)	ND	ug/kg	286	25		08/19/13 15:19	1330-20-7	
m&p-Xylene	ND	ug/kg	286	25		08/19/13 15:19	179601-23-1	
o-Xylene	ND	ug/kg	143	25		08/19/13 15:19	95-47-6	
Surrogates								
Dibromofluoromethane (S)	92	%	70-130	25		08/19/13 15:19	1868-53-7	
Toluene-d8 (S)	100	%	70-130	25		08/19/13 15:19	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130	25		08/19/13 15:19	460-00-4	
1,2-Dichloroethane-d4 (S)	115	%	70-132	25		08/19/13 15:19	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**10.9**	%	0.10	1		08/15/13 13:43		

REPORT OF LABORATORY ANALYSIS

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DB-7 **Lab ID: 92168523007** Collected: 08/09/13 13:45 Received: 08/13/13 14:15 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							
Acenaphthene	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	83-32-9	
Acenaphthylene	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	208-96-8	
Aniline	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	62-53-3	
Anthracene	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	120-12-7	
Benzo(a)anthracene	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	56-55-3	
Benzo(a)pyrene	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	207-08-9	
Benzoic Acid	ND	ug/kg	1950	1	08/14/13 08:50	08/19/13 13:54	65-85-0	
Benzyl alcohol	ND	ug/kg	779	1	08/14/13 08:50	08/19/13 13:54	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	101-55-3	
Butylbenzylphthalate	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	779	1	08/14/13 08:50	08/19/13 13:54	59-50-7	
4-Chloroaniline	ND	ug/kg	1950	1	08/14/13 08:50	08/19/13 13:54	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	108-60-1	
2-Chloronaphthalene	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	91-58-7	
2-Chlorophenol	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	7005-72-3	
Chrysene	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	53-70-3	
Dibenzofuran	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1950	1	08/14/13 08:50	08/19/13 13:54	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	120-83-2	
Diethylphthalate	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	105-67-9	
Dimethylphthalate	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	131-11-3	
Di-n-butylphthalate	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	779	1	08/14/13 08:50	08/19/13 13:54	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1950	1	08/14/13 08:50	08/19/13 13:54	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	606-20-2	
Di-n-octylphthalate	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	117-81-7	
Fluoranthene	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	206-44-0	
Fluorene	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	87-68-3	
Hexachlorobenzene	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	77-47-4	
Hexachloroethane	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	193-39-5	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DB-7 **Lab ID: 92168523007** Collected: 08/09/13 13:45 Received: 08/13/13 14:15 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							
Isophorone	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	78-59-1	
1-Methylnaphthalene	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	90-12-0	
2-Methylnaphthalene	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54		
Naphthalene	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	91-20-3	
2-Nitroaniline	ND	ug/kg	1950	1	08/14/13 08:50	08/19/13 13:54	88-74-4	
3-Nitroaniline	ND	ug/kg	1950	1	08/14/13 08:50	08/19/13 13:54	99-09-2	
4-Nitroaniline	ND	ug/kg	779	1	08/14/13 08:50	08/19/13 13:54	100-01-6	
Nitrobenzene	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	98-95-3	
2-Nitrophenol	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	88-75-5	
4-Nitrophenol	ND	ug/kg	1950	1	08/14/13 08:50	08/19/13 13:54	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	86-30-6	
Pentachlorophenol	ND	ug/kg	1950	1	08/14/13 08:50	08/19/13 13:54	87-86-5	
Phenanthrene	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	85-01-8	
Phenol	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	108-95-2	
Pyrene	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	390	1	08/14/13 08:50	08/19/13 13:54	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	61	%	23-110	1	08/14/13 08:50	08/19/13 13:54	4165-60-0	
2-Fluorobiphenyl (S)	60	%	30-110	1	08/14/13 08:50	08/19/13 13:54	321-60-8	
Terphenyl-d14 (S)	73	%	28-110	1	08/14/13 08:50	08/19/13 13:54	1718-51-0	
Phenol-d6 (S)	71	%	22-110	1	08/14/13 08:50	08/19/13 13:54	13127-88-3	
2-Fluorophenol (S)	66	%	13-110	1	08/14/13 08:50	08/19/13 13:54	367-12-4	
2,4,6-Tribromophenol (S)	59	%	27-110	1	08/14/13 08:50	08/19/13 13:54	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	92.2	1		08/16/13 21:49	67-64-1	
Benzene	ND	ug/kg	4.6	1		08/16/13 21:49	71-43-2	
Bromobenzene	ND	ug/kg	4.6	1		08/16/13 21:49	108-86-1	
Bromochloromethane	ND	ug/kg	4.6	1		08/16/13 21:49	74-97-5	
Bromodichloromethane	ND	ug/kg	4.6	1		08/16/13 21:49	75-27-4	
Bromoform	ND	ug/kg	4.6	1		08/16/13 21:49	75-25-2	
Bromomethane	ND	ug/kg	9.2	1		08/16/13 21:49	74-83-9	
2-Butanone (MEK)	ND	ug/kg	92.2	1		08/16/13 21:49	78-93-3	
n-Butylbenzene	ND	ug/kg	4.6	1		08/16/13 21:49	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.6	1		08/16/13 21:49	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.6	1		08/16/13 21:49	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.6	1		08/16/13 21:49	56-23-5	
Chlorobenzene	ND	ug/kg	4.6	1		08/16/13 21:49	108-90-7	
Chloroethane	ND	ug/kg	9.2	1		08/16/13 21:49	75-00-3	
Chloroform	ND	ug/kg	4.6	1		08/16/13 21:49	67-66-3	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DB-7 **Lab ID: 92168523007** Collected: 08/09/13 13:45 Received: 08/13/13 14:15 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							
Chloromethane	ND	ug/kg	9.2	1		08/16/13 21:49	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.6	1		08/16/13 21:49	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.6	1		08/16/13 21:49	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.6	1		08/16/13 21:49	96-12-8	
Dibromochloromethane	ND	ug/kg	4.6	1		08/16/13 21:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.6	1		08/16/13 21:49	106-93-4	
Dibromomethane	ND	ug/kg	4.6	1		08/16/13 21:49	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1		08/16/13 21:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1		08/16/13 21:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1		08/16/13 21:49	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.2	1		08/16/13 21:49	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.6	1		08/16/13 21:49	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	1		08/16/13 21:49	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.6	1		08/16/13 21:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.6	1		08/16/13 21:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1		08/16/13 21:49	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1		08/16/13 21:49	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.6	1		08/16/13 21:49	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.6	1		08/16/13 21:49	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.6	1		08/16/13 21:49	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1		08/16/13 21:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1		08/16/13 21:49	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.6	1		08/16/13 21:49	108-20-3	
Ethylbenzene	ND	ug/kg	4.6	1		08/16/13 21:49	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.6	1		08/16/13 21:49	87-68-3	
2-Hexanone	ND	ug/kg	46.1	1		08/16/13 21:49	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1		08/16/13 21:49	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.6	1		08/16/13 21:49	99-87-6	
Methylene Chloride	ND	ug/kg	18.4	1		08/16/13 21:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	46.1	1		08/16/13 21:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1		08/16/13 21:49	1634-04-4	
Naphthalene	ND	ug/kg	4.6	1		08/16/13 21:49	91-20-3	
n-Propylbenzene	ND	ug/kg	4.6	1		08/16/13 21:49	103-65-1	
Styrene	ND	ug/kg	4.6	1		08/16/13 21:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.6	1		08/16/13 21:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1		08/16/13 21:49	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1		08/16/13 21:49	127-18-4	
Toluene	ND	ug/kg	4.6	1		08/16/13 21:49	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	1		08/16/13 21:49	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1		08/16/13 21:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1		08/16/13 21:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1		08/16/13 21:49	79-00-5	
Trichloroethene	ND	ug/kg	4.6	1		08/16/13 21:49	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	1		08/16/13 21:49	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.6	1		08/16/13 21:49	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.6	1		08/16/13 21:49	95-63-6	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DB-7 **Lab ID: 92168523007** Collected: 08/09/13 13:45 Received: 08/13/13 14:15 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							
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	1		08/16/13 21:49	108-67-8	
Vinyl acetate	ND	ug/kg	46.1	1		08/16/13 21:49	108-05-4	
Vinyl chloride	ND	ug/kg	9.2	1		08/16/13 21:49	75-01-4	
Xylene (Total)	ND	ug/kg	9.2	1		08/16/13 21:49	1330-20-7	
m&p-Xylene	ND	ug/kg	9.2	1		08/16/13 21:49	179601-23-1	
o-Xylene	ND	ug/kg	4.6	1		08/16/13 21:49	95-47-6	
Surrogates								
Dibromofluoromethane (S)	81	%	70-130	1		08/16/13 21:49	1868-53-7	
Toluene-d8 (S)	99	%	70-130	1		08/16/13 21:49	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130	1		08/16/13 21:49	460-00-4	
1,2-Dichloroethane-d4 (S)	84	%	70-132	1		08/16/13 21:49	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**15.3**	%	0.10	1		08/15/13 13:43		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: LR-NORTH **Lab ID: 92168523008** Collected: 08/09/13 14:00 Received: 08/13/13 14:15 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							
Acenaphthene	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	83-32-9	
Acenaphthylene	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	208-96-8	
Aniline	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	62-53-3	
Anthracene	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	120-12-7	
Benzo(a)anthracene	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	56-55-3	
Benzo(a)pyrene	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	207-08-9	
Benzoic Acid	ND	ug/kg	2160	1	08/14/13 08:50	08/16/13 15:26	65-85-0	
Benzyl alcohol	ND	ug/kg	865	1	08/14/13 08:50	08/16/13 15:26	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	101-55-3	
Butylbenzylphthalate	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	865	1	08/14/13 08:50	08/16/13 15:26	59-50-7	
4-Chloroaniline	ND	ug/kg	2160	1	08/14/13 08:50	08/16/13 15:26	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	108-60-1	
2-Chloronaphthalene	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	91-58-7	
2-Chlorophenol	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	7005-72-3	
Chrysene	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	53-70-3	
Dibenzofuran	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2160	1	08/14/13 08:50	08/16/13 15:26	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	120-83-2	
Diethylphthalate	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	105-67-9	
Dimethylphthalate	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	131-11-3	
Di-n-butylphthalate	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	865	1	08/14/13 08:50	08/16/13 15:26	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2160	1	08/14/13 08:50	08/16/13 15:26	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	606-20-2	
Di-n-octylphthalate	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	117-81-7	
Fluoranthene	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	206-44-0	
Fluorene	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	87-68-3	
Hexachlorobenzene	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	77-47-4	
Hexachloroethane	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	193-39-5	

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

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: LR-NORTH **Lab ID: 92168523008** Collected: 08/09/13 14:00 Received: 08/13/13 14:15 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							
Isophorone	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	78-59-1	
1-Methylnaphthalene	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	90-12-0	
2-Methylnaphthalene	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26		
Naphthalene	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	91-20-3	
2-Nitroaniline	ND	ug/kg	2160	1	08/14/13 08:50	08/16/13 15:26	88-74-4	
3-Nitroaniline	ND	ug/kg	2160	1	08/14/13 08:50	08/16/13 15:26	99-09-2	
4-Nitroaniline	ND	ug/kg	865	1	08/14/13 08:50	08/16/13 15:26	100-01-6	
Nitrobenzene	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	98-95-3	
2-Nitrophenol	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	88-75-5	
4-Nitrophenol	ND	ug/kg	2160	1	08/14/13 08:50	08/16/13 15:26	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	86-30-6	
Pentachlorophenol	ND	ug/kg	2160	1	08/14/13 08:50	08/16/13 15:26	87-86-5	
Phenanthrene	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	85-01-8	
Phenol	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	108-95-2	
Pyrene	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	432	1	08/14/13 08:50	08/16/13 15:26	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	42	%	23-110	1	08/14/13 08:50	08/16/13 15:26	4165-60-0	
2-Fluorobiphenyl (S)	40	%	30-110	1	08/14/13 08:50	08/16/13 15:26	321-60-8	
Terphenyl-d14 (S)	41	%	28-110	1	08/14/13 08:50	08/16/13 15:26	1718-51-0	
Phenol-d6 (S)	66	%	22-110	1	08/14/13 08:50	08/16/13 15:26	13127-88-3	
2-Fluorophenol (S)	60	%	13-110	1	08/14/13 08:50	08/16/13 15:26	367-12-4	
2,4,6-Tribromophenol (S)	40	%	27-110	1	08/14/13 08:50	08/16/13 15:26	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	111	1		08/16/13 22:08	67-64-1	
Benzene	ND	ug/kg	5.6	1		08/16/13 22:08	71-43-2	
Bromobenzene	ND	ug/kg	5.6	1		08/16/13 22:08	108-86-1	
Bromochloromethane	ND	ug/kg	5.6	1		08/16/13 22:08	74-97-5	
Bromodichloromethane	ND	ug/kg	5.6	1		08/16/13 22:08	75-27-4	
Bromoform	ND	ug/kg	5.6	1		08/16/13 22:08	75-25-2	
Bromomethane	ND	ug/kg	11.1	1		08/16/13 22:08	74-83-9	
2-Butanone (MEK)	ND	ug/kg	111	1		08/16/13 22:08	78-93-3	
n-Butylbenzene	ND	ug/kg	5.6	1		08/16/13 22:08	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.6	1		08/16/13 22:08	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.6	1		08/16/13 22:08	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.6	1		08/16/13 22:08	56-23-5	
Chlorobenzene	ND	ug/kg	5.6	1		08/16/13 22:08	108-90-7	
Chloroethane	ND	ug/kg	11.1	1		08/16/13 22:08	75-00-3	
Chloroform	ND	ug/kg	5.6	1		08/16/13 22:08	67-66-3	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: LR-NORTH **Lab ID: 92168523008** Collected: 08/09/13 14:00 Received: 08/13/13 14:15 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							
Chloromethane	ND	ug/kg	11.1	1		08/16/13 22:08	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.6	1		08/16/13 22:08	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.6	1		08/16/13 22:08	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.6	1		08/16/13 22:08	96-12-8	
Dibromochloromethane	ND	ug/kg	5.6	1		08/16/13 22:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.6	1		08/16/13 22:08	106-93-4	
Dibromomethane	ND	ug/kg	5.6	1		08/16/13 22:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.6	1		08/16/13 22:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.6	1		08/16/13 22:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.6	1		08/16/13 22:08	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.1	1		08/16/13 22:08	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.6	1		08/16/13 22:08	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.6	1		08/16/13 22:08	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.6	1		08/16/13 22:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.6	1		08/16/13 22:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.6	1		08/16/13 22:08	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.6	1		08/16/13 22:08	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.6	1		08/16/13 22:08	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.6	1		08/16/13 22:08	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.6	1		08/16/13 22:08	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.6	1		08/16/13 22:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.6	1		08/16/13 22:08	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.6	1		08/16/13 22:08	108-20-3	
Ethylbenzene	ND	ug/kg	5.6	1		08/16/13 22:08	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.6	1		08/16/13 22:08	87-68-3	
2-Hexanone	ND	ug/kg	55.5	1		08/16/13 22:08	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.6	1		08/16/13 22:08	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.6	1		08/16/13 22:08	99-87-6	
Methylene Chloride	ND	ug/kg	22.2	1		08/16/13 22:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	55.5	1		08/16/13 22:08	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.6	1		08/16/13 22:08	1634-04-4	
Naphthalene	ND	ug/kg	5.6	1		08/16/13 22:08	91-20-3	
n-Propylbenzene	ND	ug/kg	5.6	1		08/16/13 22:08	103-65-1	
Styrene	ND	ug/kg	5.6	1		08/16/13 22:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.6	1		08/16/13 22:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.6	1		08/16/13 22:08	79-34-5	
Tetrachloroethene	ND	ug/kg	5.6	1		08/16/13 22:08	127-18-4	
Toluene	ND	ug/kg	5.6	1		08/16/13 22:08	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.6	1		08/16/13 22:08	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.6	1		08/16/13 22:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.6	1		08/16/13 22:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.6	1		08/16/13 22:08	79-00-5	
Trichloroethene	ND	ug/kg	5.6	1		08/16/13 22:08	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.6	1		08/16/13 22:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.6	1		08/16/13 22:08	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.6	1		08/16/13 22:08	95-63-6	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: LR-NORTH **Lab ID: 92168523008** Collected: 08/09/13 14:00 Received: 08/13/13 14:15 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							
1,3,5-Trimethylbenzene	ND	ug/kg	5.6	1		08/16/13 22:08	108-67-8	
Vinyl acetate	ND	ug/kg	55.5	1		08/16/13 22:08	108-05-4	
Vinyl chloride	ND	ug/kg	11.1	1		08/16/13 22:08	75-01-4	
Xylene (Total)	ND	ug/kg	11.1	1		08/16/13 22:08	1330-20-7	
m&p-Xylene	ND	ug/kg	11.1	1		08/16/13 22:08	179601-23-1	
o-Xylene	ND	ug/kg	5.6	1		08/16/13 22:08	95-47-6	
Surrogates								
Dibromofluoromethane (S)	80	%	70-130	1		08/16/13 22:08	1868-53-7	
Toluene-d8 (S)	102	%	70-130	1		08/16/13 22:08	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130	1		08/16/13 22:08	460-00-4	
1,2-Dichloroethane-d4 (S)	75	%	70-132	1		08/16/13 22:08	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**23.7**	%	0.10	1		08/15/13 13:44		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: LR-WEST **Lab ID: 92168523009** Collected: 08/09/13 14:20 Received: 08/13/13 14:15 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							
Acenaphthene	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	83-32-9	
Acenaphthylene	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	208-96-8	
Aniline	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	62-53-3	
Anthracene	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	120-12-7	
Benzo(a)anthracene	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	56-55-3	
Benzo(a)pyrene	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	207-08-9	
Benzoic Acid	ND	ug/kg	2030	1	08/14/13 08:50	08/16/13 15:53	65-85-0	
Benzyl alcohol	ND	ug/kg	814	1	08/14/13 08:50	08/16/13 15:53	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	101-55-3	
Butylbenzylphthalate	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	814	1	08/14/13 08:50	08/16/13 15:53	59-50-7	
4-Chloroaniline	ND	ug/kg	2030	1	08/14/13 08:50	08/16/13 15:53	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	108-60-1	
2-Chloronaphthalene	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	91-58-7	
2-Chlorophenol	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	7005-72-3	
Chrysene	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	53-70-3	
Dibenzofuran	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2030	1	08/14/13 08:50	08/16/13 15:53	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	120-83-2	
Diethylphthalate	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	105-67-9	
Dimethylphthalate	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	131-11-3	
Di-n-butylphthalate	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	814	1	08/14/13 08:50	08/16/13 15:53	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2030	1	08/14/13 08:50	08/16/13 15:53	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	606-20-2	
Di-n-octylphthalate	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	117-81-7	
Fluoranthene	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	206-44-0	
Fluorene	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	87-68-3	
Hexachlorobenzene	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	77-47-4	
Hexachloroethane	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	193-39-5	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: LR-WEST **Lab ID: 92168523009** Collected: 08/09/13 14:20 Received: 08/13/13 14:15 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							
Isophorone	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	78-59-1	
1-Methylnaphthalene	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	90-12-0	
2-Methylnaphthalene	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53		
Naphthalene	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	91-20-3	
2-Nitroaniline	ND	ug/kg	2030	1	08/14/13 08:50	08/16/13 15:53	88-74-4	
3-Nitroaniline	ND	ug/kg	2030	1	08/14/13 08:50	08/16/13 15:53	99-09-2	
4-Nitroaniline	ND	ug/kg	814	1	08/14/13 08:50	08/16/13 15:53	100-01-6	
Nitrobenzene	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	98-95-3	
2-Nitrophenol	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	88-75-5	
4-Nitrophenol	ND	ug/kg	2030	1	08/14/13 08:50	08/16/13 15:53	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	86-30-6	
Pentachlorophenol	ND	ug/kg	2030	1	08/14/13 08:50	08/16/13 15:53	87-86-5	
Phenanthrene	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	85-01-8	
Phenol	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	108-95-2	
Pyrene	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	407	1	08/14/13 08:50	08/16/13 15:53	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	49	%	23-110	1	08/14/13 08:50	08/16/13 15:53	4165-60-0	
2-Fluorobiphenyl (S)	51	%	30-110	1	08/14/13 08:50	08/16/13 15:53	321-60-8	
Terphenyl-d14 (S)	64	%	28-110	1	08/14/13 08:50	08/16/13 15:53	1718-51-0	
Phenol-d6 (S)	70	%	22-110	1	08/14/13 08:50	08/16/13 15:53	13127-88-3	
2-Fluorophenol (S)	61	%	13-110	1	08/14/13 08:50	08/16/13 15:53	367-12-4	
2,4,6-Tribromophenol (S)	50	%	27-110	1	08/14/13 08:50	08/16/13 15:53	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	113	1		08/19/13 15:38	67-64-1	
Benzene	ND	ug/kg	5.6	1		08/19/13 15:38	71-43-2	
Bromobenzene	ND	ug/kg	5.6	1		08/19/13 15:38	108-86-1	
Bromochloromethane	ND	ug/kg	5.6	1		08/19/13 15:38	74-97-5	
Bromodichloromethane	ND	ug/kg	5.6	1		08/19/13 15:38	75-27-4	
Bromoform	ND	ug/kg	5.6	1		08/19/13 15:38	75-25-2	
Bromomethane	ND	ug/kg	11.3	1		08/19/13 15:38	74-83-9	
2-Butanone (MEK)	ND	ug/kg	113	1		08/19/13 15:38	78-93-3	
n-Butylbenzene	**6.1**	ug/kg	5.6	1		08/19/13 15:38	104-51-8	
sec-Butylbenzene	**5.9**	ug/kg	5.6	1		08/19/13 15:38	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.6	1		08/19/13 15:38	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.6	1		08/19/13 15:38	56-23-5	
Chlorobenzene	ND	ug/kg	5.6	1		08/19/13 15:38	108-90-7	
Chloroethane	ND	ug/kg	11.3	1		08/19/13 15:38	75-00-3	
Chloroform	ND	ug/kg	5.6	1		08/19/13 15:38	67-66-3	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: LR-WEST **Lab ID: 92168523009** Collected: 08/09/13 14:20 Received: 08/13/13 14:15 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							
Chloromethane	ND	ug/kg	11.3	1		08/19/13 15:38	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.6	1		08/19/13 15:38	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.6	1		08/19/13 15:38	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.6	1		08/19/13 15:38	96-12-8	
Dibromochloromethane	ND	ug/kg	5.6	1		08/19/13 15:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.6	1		08/19/13 15:38	106-93-4	
Dibromomethane	ND	ug/kg	5.6	1		08/19/13 15:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.6	1		08/19/13 15:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.6	1		08/19/13 15:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.6	1		08/19/13 15:38	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.3	1		08/19/13 15:38	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.6	1		08/19/13 15:38	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.6	1		08/19/13 15:38	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.6	1		08/19/13 15:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.6	1		08/19/13 15:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.6	1		08/19/13 15:38	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.6	1		08/19/13 15:38	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.6	1		08/19/13 15:38	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.6	1		08/19/13 15:38	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.6	1		08/19/13 15:38	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.6	1		08/19/13 15:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.6	1		08/19/13 15:38	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.6	1		08/19/13 15:38	108-20-3	
Ethylbenzene	ND	ug/kg	5.6	1		08/19/13 15:38	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.6	1		08/19/13 15:38	87-68-3	
2-Hexanone	ND	ug/kg	56.4	1		08/19/13 15:38	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.6	1		08/19/13 15:38	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.6	1		08/19/13 15:38	99-87-6	
Methylene Chloride	ND	ug/kg	22.5	1		08/19/13 15:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	56.4	1		08/19/13 15:38	108-10-1	
Methyl-tert-butyl ether	**9.8**	ug/kg	5.6	1		08/19/13 15:38	1634-04-4	
Naphthalene	**8.1**	ug/kg	5.6	1		08/19/13 15:38	91-20-3	
n-Propylbenzene	ND	ug/kg	5.6	1		08/19/13 15:38	103-65-1	
Styrene	ND	ug/kg	5.6	1		08/19/13 15:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.6	1		08/19/13 15:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.6	1		08/19/13 15:38	79-34-5	
Tetrachloroethene	ND	ug/kg	5.6	1		08/19/13 15:38	127-18-4	
Toluene	ND	ug/kg	5.6	1		08/19/13 15:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.6	1		08/19/13 15:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.6	1		08/19/13 15:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.6	1		08/19/13 15:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.6	1		08/19/13 15:38	79-00-5	
Trichloroethene	ND	ug/kg	5.6	1		08/19/13 15:38	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.6	1		08/19/13 15:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.6	1		08/19/13 15:38	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.6	1		08/19/13 15:38	95-63-6	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: LR-WEST **Lab ID: 92168523009** Collected: 08/09/13 14:20 Received: 08/13/13 14:15 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							
1,3,5-Trimethylbenzene	ND	ug/kg	5.6	1		08/19/13 15:38	108-67-8	
Vinyl acetate	ND	ug/kg	56.4	1		08/19/13 15:38	108-05-4	
Vinyl chloride	ND	ug/kg	11.3	1		08/19/13 15:38	75-01-4	
Xylene (Total)	ND	ug/kg	11.3	1		08/19/13 15:38	1330-20-7	
m&p-Xylene	ND	ug/kg	11.3	1		08/19/13 15:38	179601-23-1	
o-Xylene	ND	ug/kg	5.6	1		08/19/13 15:38	95-47-6	
Surrogates								
Dibromofluoromethane (S)	96	%	70-130	1		08/19/13 15:38	1868-53-7	
Toluene-d8 (S)	101	%	70-130	1		08/19/13 15:38	2037-26-5	
4-Bromofluorobenzene (S)	87	%	70-130	1		08/19/13 15:38	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-132	1		08/19/13 15:38	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**18.9**	%	0.10	1		08/15/13 13:44		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: LR-SOUTH **Lab ID: 92168523010** Collected: 08/09/13 14:40 Received: 08/13/13 14:15 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							
Acenaphthene	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	83-32-9	
Acenaphthylene	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	208-96-8	
Aniline	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	62-53-3	
Anthracene	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	120-12-7	
Benzo(a)anthracene	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	56-55-3	
Benzo(a)pyrene	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	207-08-9	
Benzoic Acid	ND	ug/kg	2030	1	08/14/13 08:50	08/16/13 17:15	65-85-0	
Benzyl alcohol	ND	ug/kg	811	1	08/14/13 08:50	08/16/13 17:15	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	101-55-3	
Butylbenzylphthalate	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	811	1	08/14/13 08:50	08/16/13 17:15	59-50-7	
4-Chloroaniline	ND	ug/kg	2030	1	08/14/13 08:50	08/16/13 17:15	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	108-60-1	
2-Chloronaphthalene	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	91-58-7	
2-Chlorophenol	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	7005-72-3	
Chrysene	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	53-70-3	
Dibenzofuran	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2030	1	08/14/13 08:50	08/16/13 17:15	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	120-83-2	
Diethylphthalate	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	105-67-9	
Dimethylphthalate	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	131-11-3	
Di-n-butylphthalate	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	811	1	08/14/13 08:50	08/16/13 17:15	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2030	1	08/14/13 08:50	08/16/13 17:15	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	606-20-2	
Di-n-octylphthalate	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	117-81-7	
Fluoranthene	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	206-44-0	
Fluorene	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	87-68-3	
Hexachlorobenzene	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	77-47-4	
Hexachloroethane	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	193-39-5	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: LR-SOUTH **Lab ID: 92168523010** Collected: 08/09/13 14:40 Received: 08/13/13 14:15 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							
Isophorone	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	78-59-1	
1-Methylnaphthalene	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	90-12-0	
2-Methylnaphthalene	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15		
Naphthalene	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	91-20-3	
2-Nitroaniline	ND	ug/kg	2030	1	08/14/13 08:50	08/16/13 17:15	88-74-4	
3-Nitroaniline	ND	ug/kg	2030	1	08/14/13 08:50	08/16/13 17:15	99-09-2	
4-Nitroaniline	ND	ug/kg	811	1	08/14/13 08:50	08/16/13 17:15	100-01-6	
Nitrobenzene	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	98-95-3	
2-Nitrophenol	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	88-75-5	
4-Nitrophenol	ND	ug/kg	2030	1	08/14/13 08:50	08/16/13 17:15	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	86-30-6	
Pentachlorophenol	ND	ug/kg	2030	1	08/14/13 08:50	08/16/13 17:15	87-86-5	
Phenanthrene	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	85-01-8	
Phenol	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	108-95-2	
Pyrene	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	406	1	08/14/13 08:50	08/16/13 17:15	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	46	%	23-110	1	08/14/13 08:50	08/16/13 17:15	4165-60-0	
2-Fluorobiphenyl (S)	50	%	30-110	1	08/14/13 08:50	08/16/13 17:15	321-60-8	
Terphenyl-d14 (S)	60	%	28-110	1	08/14/13 08:50	08/16/13 17:15	1718-51-0	
Phenol-d6 (S)	68	%	22-110	1	08/14/13 08:50	08/16/13 17:15	13127-88-3	
2-Fluorophenol (S)	60	%	13-110	1	08/14/13 08:50	08/16/13 17:15	367-12-4	
2,4,6-Tribromophenol (S)	43	%	27-110	1	08/14/13 08:50	08/16/13 17:15	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	96.0	1		08/19/13 15:57	67-64-1	
Benzene	ND	ug/kg	4.8	1		08/19/13 15:57	71-43-2	
Bromobenzene	ND	ug/kg	4.8	1		08/19/13 15:57	108-86-1	
Bromochloromethane	ND	ug/kg	4.8	1		08/19/13 15:57	74-97-5	
Bromodichloromethane	ND	ug/kg	4.8	1		08/19/13 15:57	75-27-4	
Bromoform	ND	ug/kg	4.8	1		08/19/13 15:57	75-25-2	
Bromomethane	ND	ug/kg	9.6	1		08/19/13 15:57	74-83-9	
2-Butanone (MEK)	ND	ug/kg	96.0	1		08/19/13 15:57	78-93-3	
n-Butylbenzene	ND	ug/kg	4.8	1		08/19/13 15:57	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.8	1		08/19/13 15:57	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.8	1		08/19/13 15:57	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.8	1		08/19/13 15:57	56-23-5	
Chlorobenzene	ND	ug/kg	4.8	1		08/19/13 15:57	108-90-7	
Chloroethane	ND	ug/kg	9.6	1		08/19/13 15:57	75-00-3	
Chloroform	ND	ug/kg	4.8	1		08/19/13 15:57	67-66-3	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: LR-SOUTH **Lab ID: 92168523010** Collected: 08/09/13 14:40 Received: 08/13/13 14:15 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							
Chloromethane	ND	ug/kg	9.6	1		08/19/13 15:57	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.8	1		08/19/13 15:57	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.8	1		08/19/13 15:57	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.8	1		08/19/13 15:57	96-12-8	
Dibromochloromethane	ND	ug/kg	4.8	1		08/19/13 15:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.8	1		08/19/13 15:57	106-93-4	
Dibromomethane	ND	ug/kg	4.8	1		08/19/13 15:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.8	1		08/19/13 15:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.8	1		08/19/13 15:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.8	1		08/19/13 15:57	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.6	1		08/19/13 15:57	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.8	1		08/19/13 15:57	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.8	1		08/19/13 15:57	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.8	1		08/19/13 15:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.8	1		08/19/13 15:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.8	1		08/19/13 15:57	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.8	1		08/19/13 15:57	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.8	1		08/19/13 15:57	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.8	1		08/19/13 15:57	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.8	1		08/19/13 15:57	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.8	1		08/19/13 15:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.8	1		08/19/13 15:57	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.8	1		08/19/13 15:57	108-20-3	
Ethylbenzene	ND	ug/kg	4.8	1		08/19/13 15:57	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.8	1		08/19/13 15:57	87-68-3	
2-Hexanone	ND	ug/kg	48.0	1		08/19/13 15:57	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.8	1		08/19/13 15:57	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.8	1		08/19/13 15:57	99-87-6	
Methylene Chloride	ND	ug/kg	19.2	1		08/19/13 15:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	48.0	1		08/19/13 15:57	108-10-1	
Methyl-tert-butyl ether	**55.6**	ug/kg	4.8	1		08/19/13 15:57	1634-04-4	
Naphthalene	ND	ug/kg	4.8	1		08/19/13 15:57	91-20-3	
n-Propylbenzene	ND	ug/kg	4.8	1		08/19/13 15:57	103-65-1	
Styrene	ND	ug/kg	4.8	1		08/19/13 15:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.8	1		08/19/13 15:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.8	1		08/19/13 15:57	79-34-5	
Tetrachloroethene	ND	ug/kg	4.8	1		08/19/13 15:57	127-18-4	
Toluene	ND	ug/kg	4.8	1		08/19/13 15:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.8	1		08/19/13 15:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.8	1		08/19/13 15:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.8	1		08/19/13 15:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.8	1		08/19/13 15:57	79-00-5	
Trichloroethene	ND	ug/kg	4.8	1		08/19/13 15:57	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.8	1		08/19/13 15:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.8	1		08/19/13 15:57	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.8	1		08/19/13 15:57	95-63-6	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: LR-SOUTH **Lab ID: 92168523010** Collected: 08/09/13 14:40 Received: 08/13/13 14:15 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							
1,3,5-Trimethylbenzene	ND	ug/kg	4.8	1		08/19/13 15:57	108-67-8	
Vinyl acetate	ND	ug/kg	48.0	1		08/19/13 15:57	108-05-4	
Vinyl chloride	ND	ug/kg	9.6	1		08/19/13 15:57	75-01-4	
Xylene (Total)	ND	ug/kg	9.6	1		08/19/13 15:57	1330-20-7	
m&p-Xylene	ND	ug/kg	9.6	1		08/19/13 15:57	179601-23-1	
o-Xylene	ND	ug/kg	4.8	1		08/19/13 15:57	95-47-6	
Surrogates								
Dibromofluoromethane (S)	85	%	70-130	1		08/19/13 15:57	1868-53-7	
Toluene-d8 (S)	104	%	70-130	1		08/19/13 15:57	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130	1		08/19/13 15:57	460-00-4	
1,2-Dichloroethane-d4 (S)	82	%	70-132	1		08/19/13 15:57	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**18.7**	%	0.10	1		08/15/13 13:44		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: LR-EAST **Lab ID: 92168523011** Collected: 08/09/13 16:00 Received: 08/13/13 14:15 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							
Acenaphthene	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	83-32-9	
Acenaphthylene	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	208-96-8	
Aniline	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	62-53-3	
Anthracene	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	120-12-7	
Benzo(a)anthracene	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	56-55-3	
Benzo(a)pyrene	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	207-08-9	
Benzoic Acid	ND	ug/kg	2230	1	08/14/13 08:50	08/16/13 17:43	65-85-0	
Benzyl alcohol	ND	ug/kg	893	1	08/14/13 08:50	08/16/13 17:43	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	101-55-3	
Butylbenzylphthalate	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	893	1	08/14/13 08:50	08/16/13 17:43	59-50-7	
4-Chloroaniline	ND	ug/kg	2230	1	08/14/13 08:50	08/16/13 17:43	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	108-60-1	
2-Chloronaphthalene	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	91-58-7	
2-Chlorophenol	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	7005-72-3	
Chrysene	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	53-70-3	
Dibenzofuran	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2230	1	08/14/13 08:50	08/16/13 17:43	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	120-83-2	
Diethylphthalate	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	105-67-9	
Dimethylphthalate	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	131-11-3	
Di-n-butylphthalate	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	893	1	08/14/13 08:50	08/16/13 17:43	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2230	1	08/14/13 08:50	08/16/13 17:43	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	606-20-2	
Di-n-octylphthalate	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	117-81-7	
Fluoranthene	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	206-44-0	
Fluorene	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	87-68-3	
Hexachlorobenzene	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	77-47-4	
Hexachloroethane	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	193-39-5	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: LR-EAST **Lab ID: 92168523011** Collected: 08/09/13 16:00 Received: 08/13/13 14:15 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							
Isophorone	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	78-59-1	
1-Methylnaphthalene	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	90-12-0	
2-Methylnaphthalene	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43		
Naphthalene	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	91-20-3	
2-Nitroaniline	ND	ug/kg	2230	1	08/14/13 08:50	08/16/13 17:43	88-74-4	
3-Nitroaniline	ND	ug/kg	2230	1	08/14/13 08:50	08/16/13 17:43	99-09-2	
4-Nitroaniline	ND	ug/kg	893	1	08/14/13 08:50	08/16/13 17:43	100-01-6	
Nitrobenzene	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	98-95-3	
2-Nitrophenol	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	88-75-5	
4-Nitrophenol	ND	ug/kg	2230	1	08/14/13 08:50	08/16/13 17:43	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	86-30-6	
Pentachlorophenol	ND	ug/kg	2230	1	08/14/13 08:50	08/16/13 17:43	87-86-5	
Phenanthrene	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	85-01-8	
Phenol	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	108-95-2	
Pyrene	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	447	1	08/14/13 08:50	08/16/13 17:43	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	49	%	23-110	1	08/14/13 08:50	08/16/13 17:43	4165-60-0	
2-Fluorobiphenyl (S)	51	%	30-110	1	08/14/13 08:50	08/16/13 17:43	321-60-8	
Terphenyl-d14 (S)	55	%	28-110	1	08/14/13 08:50	08/16/13 17:43	1718-51-0	
Phenol-d6 (S)	70	%	22-110	1	08/14/13 08:50	08/16/13 17:43	13127-88-3	
2-Fluorophenol (S)	61	%	13-110	1	08/14/13 08:50	08/16/13 17:43	367-12-4	
2,4,6-Tribromophenol (S)	42	%	27-110	1	08/14/13 08:50	08/16/13 17:43	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	125	1		08/19/13 16:16	67-64-1	
Benzene	ND	ug/kg	6.2	1		08/19/13 16:16	71-43-2	
Bromobenzene	ND	ug/kg	6.2	1		08/19/13 16:16	108-86-1	
Bromochloromethane	ND	ug/kg	6.2	1		08/19/13 16:16	74-97-5	
Bromodichloromethane	ND	ug/kg	6.2	1		08/19/13 16:16	75-27-4	
Bromoform	ND	ug/kg	6.2	1		08/19/13 16:16	75-25-2	
Bromomethane	ND	ug/kg	12.5	1		08/19/13 16:16	74-83-9	
2-Butanone (MEK)	ND	ug/kg	125	1		08/19/13 16:16	78-93-3	
n-Butylbenzene	ND	ug/kg	6.2	1		08/19/13 16:16	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.2	1		08/19/13 16:16	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.2	1		08/19/13 16:16	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.2	1		08/19/13 16:16	56-23-5	
Chlorobenzene	ND	ug/kg	6.2	1		08/19/13 16:16	108-90-7	
Chloroethane	ND	ug/kg	12.5	1		08/19/13 16:16	75-00-3	
Chloroform	ND	ug/kg	6.2	1		08/19/13 16:16	67-66-3	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: LR-EAST **Lab ID: 92168523011** Collected: 08/09/13 16:00 Received: 08/13/13 14:15 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							
Chloromethane	ND	ug/kg	12.5	1		08/19/13 16:16	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.2	1		08/19/13 16:16	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.2	1		08/19/13 16:16	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.2	1		08/19/13 16:16	96-12-8	
Dibromochloromethane	ND	ug/kg	6.2	1		08/19/13 16:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.2	1		08/19/13 16:16	106-93-4	
Dibromomethane	ND	ug/kg	6.2	1		08/19/13 16:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.2	1		08/19/13 16:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.2	1		08/19/13 16:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.2	1		08/19/13 16:16	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.5	1		08/19/13 16:16	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.2	1		08/19/13 16:16	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.2	1		08/19/13 16:16	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.2	1		08/19/13 16:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.2	1		08/19/13 16:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.2	1		08/19/13 16:16	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.2	1		08/19/13 16:16	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.2	1		08/19/13 16:16	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.2	1		08/19/13 16:16	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.2	1		08/19/13 16:16	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.2	1		08/19/13 16:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.2	1		08/19/13 16:16	10061-02-6	
Diisopropyl ether	**18.4**	ug/kg	6.2	1		08/19/13 16:16	108-20-3	
Ethylbenzene	ND	ug/kg	6.2	1		08/19/13 16:16	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.2	1		08/19/13 16:16	87-68-3	
2-Hexanone	ND	ug/kg	62.4	1		08/19/13 16:16	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.2	1		08/19/13 16:16	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.2	1		08/19/13 16:16	99-87-6	
Methylene Chloride	ND	ug/kg	25.0	1		08/19/13 16:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	62.4	1		08/19/13 16:16	108-10-1	
Methyl-tert-butyl ether	**15.4**	ug/kg	6.2	1		08/19/13 16:16	1634-04-4	
Naphthalene	ND	ug/kg	6.2	1		08/19/13 16:16	91-20-3	
n-Propylbenzene	ND	ug/kg	6.2	1		08/19/13 16:16	103-65-1	
Styrene	ND	ug/kg	6.2	1		08/19/13 16:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.2	1		08/19/13 16:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.2	1		08/19/13 16:16	79-34-5	
Tetrachloroethene	ND	ug/kg	6.2	1		08/19/13 16:16	127-18-4	
Toluene	ND	ug/kg	6.2	1		08/19/13 16:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.2	1		08/19/13 16:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.2	1		08/19/13 16:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.2	1		08/19/13 16:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.2	1		08/19/13 16:16	79-00-5	
Trichloroethene	ND	ug/kg	6.2	1		08/19/13 16:16	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.2	1		08/19/13 16:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.2	1		08/19/13 16:16	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.2	1		08/19/13 16:16	95-63-6	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: LR-EAST **Lab ID: 92168523011** Collected: 08/09/13 16:00 Received: 08/13/13 14:15 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							
1,3,5-Trimethylbenzene	ND	ug/kg	6.2	1		08/19/13 16:16	108-67-8	
Vinyl acetate	ND	ug/kg	62.4	1		08/19/13 16:16	108-05-4	
Vinyl chloride	ND	ug/kg	12.5	1		08/19/13 16:16	75-01-4	
Xylene (Total)	ND	ug/kg	12.5	1		08/19/13 16:16	1330-20-7	
m&p-Xylene	ND	ug/kg	12.5	1		08/19/13 16:16	179601-23-1	
o-Xylene	ND	ug/kg	6.2	1		08/19/13 16:16	95-47-6	
Surrogates								
Dibromofluoromethane (S)	87	%	70-130	1		08/19/13 16:16	1868-53-7	
Toluene-d8 (S)	103	%	70-130	1		08/19/13 16:16	2037-26-5	
4-Bromofluorobenzene (S)	92	%	70-130	1		08/19/13 16:16	460-00-4	
1,2-Dichloroethane-d4 (S)	80	%	70-132	1		08/19/13 16:16	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**26.1**	%	0.10	1		08/15/13 13:45		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: LR-CENTER **Lab ID: 92168523012** Collected: 08/09/13 16:15 Received: 08/13/13 14:15 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							
Acenaphthene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	83-32-9	
Acenaphthylene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	208-96-8	
Aniline	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	62-53-3	
Anthracene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	120-12-7	
Benzo(a)anthracene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	56-55-3	
Benzo(a)pyrene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	207-08-9	
Benzoic Acid	ND	ug/kg	1910	1	08/14/13 08:50	08/16/13 18:10	65-85-0	
Benzyl alcohol	ND	ug/kg	766	1	08/14/13 08:50	08/16/13 18:10	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	101-55-3	
Butylbenzylphthalate	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	766	1	08/14/13 08:50	08/16/13 18:10	59-50-7	
4-Chloroaniline	ND	ug/kg	1910	1	08/14/13 08:50	08/16/13 18:10	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	108-60-1	
2-Chloronaphthalene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	91-58-7	
2-Chlorophenol	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	7005-72-3	
Chrysene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	53-70-3	
Dibenzofuran	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1910	1	08/14/13 08:50	08/16/13 18:10	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	120-83-2	
Diethylphthalate	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	105-67-9	
Dimethylphthalate	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	131-11-3	
Di-n-butylphthalate	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	766	1	08/14/13 08:50	08/16/13 18:10	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1910	1	08/14/13 08:50	08/16/13 18:10	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	606-20-2	
Di-n-octylphthalate	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	117-81-7	
Fluoranthene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	206-44-0	
Fluorene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	87-68-3	
Hexachlorobenzene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	77-47-4	
Hexachloroethane	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	193-39-5	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: LR-CENTER **Lab ID: 92168523012** Collected: 08/09/13 16:15 Received: 08/13/13 14:15 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							
Isophorone	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	78-59-1	
1-Methylnaphthalene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	90-12-0	
2-Methylnaphthalene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10		
Naphthalene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	91-20-3	
2-Nitroaniline	ND	ug/kg	1910	1	08/14/13 08:50	08/16/13 18:10	88-74-4	
3-Nitroaniline	ND	ug/kg	1910	1	08/14/13 08:50	08/16/13 18:10	99-09-2	
4-Nitroaniline	ND	ug/kg	766	1	08/14/13 08:50	08/16/13 18:10	100-01-6	
Nitrobenzene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	98-95-3	
2-Nitrophenol	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	88-75-5	
4-Nitrophenol	ND	ug/kg	1910	1	08/14/13 08:50	08/16/13 18:10	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	86-30-6	
Pentachlorophenol	ND	ug/kg	1910	1	08/14/13 08:50	08/16/13 18:10	87-86-5	
Phenanthrene	**402**	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	85-01-8	
Phenol	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	108-95-2	
Pyrene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	383	1	08/14/13 08:50	08/16/13 18:10	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	58	%	23-110	1	08/14/13 08:50	08/16/13 18:10	4165-60-0	
2-Fluorobiphenyl (S)	59	%	30-110	1	08/14/13 08:50	08/16/13 18:10	321-60-8	
Terphenyl-d14 (S)	67	%	28-110	1	08/14/13 08:50	08/16/13 18:10	1718-51-0	
Phenol-d6 (S)	72	%	22-110	1	08/14/13 08:50	08/16/13 18:10	13127-88-3	
2-Fluorophenol (S)	62	%	13-110	1	08/14/13 08:50	08/16/13 18:10	367-12-4	
2,4,6-Tribromophenol (S)	47	%	27-110	1	08/14/13 08:50	08/16/13 18:10	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	2040	20		08/19/13 16:35	67-64-1	
Benzene	ND	ug/kg	102	20		08/19/13 16:35	71-43-2	
Bromobenzene	ND	ug/kg	102	20		08/19/13 16:35	108-86-1	
Bromochloromethane	ND	ug/kg	102	20		08/19/13 16:35	74-97-5	
Bromodichloromethane	ND	ug/kg	102	20		08/19/13 16:35	75-27-4	
Bromoform	ND	ug/kg	102	20		08/19/13 16:35	75-25-2	
Bromomethane	ND	ug/kg	204	20		08/19/13 16:35	74-83-9	
2-Butanone (MEK)	ND	ug/kg	2040	20		08/19/13 16:35	78-93-3	
n-Butylbenzene	ND	ug/kg	102	20		08/19/13 16:35	104-51-8	
sec-Butylbenzene	ND	ug/kg	102	20		08/19/13 16:35	135-98-8	
tert-Butylbenzene	ND	ug/kg	102	20		08/19/13 16:35	98-06-6	
Carbon tetrachloride	ND	ug/kg	102	20		08/19/13 16:35	56-23-5	
Chlorobenzene	ND	ug/kg	102	20		08/19/13 16:35	108-90-7	
Chloroethane	ND	ug/kg	204	20		08/19/13 16:35	75-00-3	
Chloroform	ND	ug/kg	102	20		08/19/13 16:35	67-66-3	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: LR-CENTER **Lab ID: 92168523012** Collected: 08/09/13 16:15 Received: 08/13/13 14:15 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							
Chloromethane	ND	ug/kg	204	20		08/19/13 16:35	74-87-3	
2-Chlorotoluene	ND	ug/kg	102	20		08/19/13 16:35	95-49-8	
4-Chlorotoluene	ND	ug/kg	102	20		08/19/13 16:35	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	102	20		08/19/13 16:35	96-12-8	
Dibromochloromethane	ND	ug/kg	102	20		08/19/13 16:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	102	20		08/19/13 16:35	106-93-4	
Dibromomethane	ND	ug/kg	102	20		08/19/13 16:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	102	20		08/19/13 16:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	102	20		08/19/13 16:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	102	20		08/19/13 16:35	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	204	20		08/19/13 16:35	75-71-8	D3
1,1-Dichloroethane	ND	ug/kg	102	20		08/19/13 16:35	75-34-3	
1,2-Dichloroethane	ND	ug/kg	102	20		08/19/13 16:35	107-06-2	
1,1-Dichloroethene	ND	ug/kg	102	20		08/19/13 16:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	102	20		08/19/13 16:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	102	20		08/19/13 16:35	156-60-5	
1,2-Dichloropropane	ND	ug/kg	102	20		08/19/13 16:35	78-87-5	
1,3-Dichloropropane	ND	ug/kg	102	20		08/19/13 16:35	142-28-9	
2,2-Dichloropropane	ND	ug/kg	102	20		08/19/13 16:35	594-20-7	
1,1-Dichloropropene	ND	ug/kg	102	20		08/19/13 16:35	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	102	20		08/19/13 16:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	102	20		08/19/13 16:35	10061-02-6	
Diisopropyl ether	ND	ug/kg	102	20		08/19/13 16:35	108-20-3	
Ethylbenzene	ND	ug/kg	102	20		08/19/13 16:35	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	102	20		08/19/13 16:35	87-68-3	
2-Hexanone	ND	ug/kg	1020	20		08/19/13 16:35	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	102	20		08/19/13 16:35	98-82-8	
p-Isopropyltoluene	ND	ug/kg	102	20		08/19/13 16:35	99-87-6	
Methylene Chloride	ND	ug/kg	407	20		08/19/13 16:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	1020	20		08/19/13 16:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	102	20		08/19/13 16:35	1634-04-4	
Naphthalene	**115**	ug/kg	102	20		08/19/13 16:35	91-20-3	
n-Propylbenzene	ND	ug/kg	102	20		08/19/13 16:35	103-65-1	
Styrene	ND	ug/kg	102	20		08/19/13 16:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	102	20		08/19/13 16:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	102	20		08/19/13 16:35	79-34-5	
Tetrachloroethene	ND	ug/kg	102	20		08/19/13 16:35	127-18-4	
Toluene	ND	ug/kg	102	20		08/19/13 16:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	102	20		08/19/13 16:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	102	20		08/19/13 16:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	102	20		08/19/13 16:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	102	20		08/19/13 16:35	79-00-5	
Trichloroethene	ND	ug/kg	102	20		08/19/13 16:35	79-01-6	
Trichlorofluoromethane	ND	ug/kg	102	20		08/19/13 16:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	102	20		08/19/13 16:35	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	102	20		08/19/13 16:35	95-63-6	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: LR-CENTER **Lab ID: 92168523012** Collected: 08/09/13 16:15 Received: 08/13/13 14:15 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							
1,3,5-Trimethylbenzene	ND	ug/kg	102	20		08/19/13 16:35	108-67-8	
Vinyl acetate	ND	ug/kg	1020	20		08/19/13 16:35	108-05-4	
Vinyl chloride	ND	ug/kg	204	20		08/19/13 16:35	75-01-4	
Xylene (Total)	ND	ug/kg	204	20		08/19/13 16:35	1330-20-7	
m&p-Xylene	ND	ug/kg	204	20		08/19/13 16:35	179601-23-1	
o-Xylene	ND	ug/kg	102	20		08/19/13 16:35	95-47-6	
Surrogates								
Dibromofluoromethane (S)	76	%	70-130	20		08/19/13 16:35	1868-53-7	
Toluene-d8 (S)	104	%	70-130	20		08/19/13 16:35	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130	20		08/19/13 16:35	460-00-4	
1,2-Dichloroethane-d4 (S)	73	%	70-132	20		08/19/13 16:35	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**13.8**	%	0.10	1		08/15/13 13:45		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DUPLICATE **Lab ID: 92168523013** Collected: 08/09/13 17:00 Received: 08/13/13 14:15 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							
Acenaphthene	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	83-32-9	
Acenaphthylene	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	208-96-8	
Aniline	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	62-53-3	
Anthracene	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	120-12-7	
Benzo(a)anthracene	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	56-55-3	
Benzo(a)pyrene	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	207-08-9	
Benzoic Acid	ND	ug/kg	1900	1	08/14/13 08:50	08/16/13 18:37	65-85-0	
Benzyl alcohol	ND	ug/kg	761	1	08/14/13 08:50	08/16/13 18:37	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	101-55-3	
Butylbenzylphthalate	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	761	1	08/14/13 08:50	08/16/13 18:37	59-50-7	
4-Chloroaniline	ND	ug/kg	1900	1	08/14/13 08:50	08/16/13 18:37	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	108-60-1	
2-Chloronaphthalene	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	91-58-7	
2-Chlorophenol	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	7005-72-3	
Chrysene	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	53-70-3	
Dibenzofuran	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1900	1	08/14/13 08:50	08/16/13 18:37	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	120-83-2	
Diethylphthalate	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	105-67-9	
Dimethylphthalate	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	131-11-3	
Di-n-butylphthalate	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	761	1	08/14/13 08:50	08/16/13 18:37	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1900	1	08/14/13 08:50	08/16/13 18:37	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	606-20-2	
Di-n-octylphthalate	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	117-81-7	
Fluoranthene	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	206-44-0	
Fluorene	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	87-68-3	
Hexachlorobenzene	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	77-47-4	
Hexachloroethane	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	193-39-5	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DUPLICATE **Lab ID: 92168523013** Collected: 08/09/13 17:00 Received: 08/13/13 14:15 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							
Isophorone	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	78-59-1	
1-Methylnaphthalene	**593**	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	90-12-0	
2-Methylnaphthalene	**385**	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37		
Naphthalene	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	91-20-3	
2-Nitroaniline	ND	ug/kg	1900	1	08/14/13 08:50	08/16/13 18:37	88-74-4	
3-Nitroaniline	ND	ug/kg	1900	1	08/14/13 08:50	08/16/13 18:37	99-09-2	
4-Nitroaniline	ND	ug/kg	761	1	08/14/13 08:50	08/16/13 18:37	100-01-6	
Nitrobenzene	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	98-95-3	
2-Nitrophenol	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	88-75-5	
4-Nitrophenol	ND	ug/kg	1900	1	08/14/13 08:50	08/16/13 18:37	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	86-30-6	
Pentachlorophenol	ND	ug/kg	1900	1	08/14/13 08:50	08/16/13 18:37	87-86-5	
Phenanthrene	**556**	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	85-01-8	
Phenol	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	108-95-2	
Pyrene	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	380	1	08/14/13 08:50	08/16/13 18:37	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	66	%	23-110	1	08/14/13 08:50	08/16/13 18:37	4165-60-0	
2-Fluorobiphenyl (S)	62	%	30-110	1	08/14/13 08:50	08/16/13 18:37	321-60-8	
Terphenyl-d14 (S)	67	%	28-110	1	08/14/13 08:50	08/16/13 18:37	1718-51-0	
Phenol-d6 (S)	77	%	22-110	1	08/14/13 08:50	08/16/13 18:37	13127-88-3	
2-Fluorophenol (S)	67	%	13-110	1	08/14/13 08:50	08/16/13 18:37	367-12-4	
2,4,6-Tribromophenol (S)	49	%	27-110	1	08/14/13 08:50	08/16/13 18:37	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	2150	20		08/20/13 11:52	67-64-1	
Benzene	ND	ug/kg	108	20		08/20/13 11:52	71-43-2	
Bromobenzene	ND	ug/kg	108	20		08/20/13 11:52	108-86-1	
Bromochloromethane	ND	ug/kg	108	20		08/20/13 11:52	74-97-5	
Bromodichloromethane	ND	ug/kg	108	20		08/20/13 11:52	75-27-4	
Bromoform	ND	ug/kg	108	20		08/20/13 11:52	75-25-2	
Bromomethane	ND	ug/kg	215	20		08/20/13 11:52	74-83-9	
2-Butanone (MEK)	ND	ug/kg	2150	20		08/20/13 11:52	78-93-3	
n-Butylbenzene	ND	ug/kg	108	20		08/20/13 11:52	104-51-8	
sec-Butylbenzene	ND	ug/kg	108	20		08/20/13 11:52	135-98-8	
tert-Butylbenzene	ND	ug/kg	108	20		08/20/13 11:52	98-06-6	
Carbon tetrachloride	ND	ug/kg	108	20		08/20/13 11:52	56-23-5	
Chlorobenzene	ND	ug/kg	108	20		08/20/13 11:52	108-90-7	
Chloroethane	ND	ug/kg	215	20		08/20/13 11:52	75-00-3	
Chloroform	ND	ug/kg	108	20		08/20/13 11:52	67-66-3	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DUPLICATE **Lab ID: 92168523013** Collected: 08/09/13 17:00 Received: 08/13/13 14:15 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							
Chloromethane	ND	ug/kg	215	20		08/20/13 11:52	74-87-3	
2-Chlorotoluene	ND	ug/kg	108	20		08/20/13 11:52	95-49-8	
4-Chlorotoluene	ND	ug/kg	108	20		08/20/13 11:52	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	108	20		08/20/13 11:52	96-12-8	
Dibromochloromethane	ND	ug/kg	108	20		08/20/13 11:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	108	20		08/20/13 11:52	106-93-4	
Dibromomethane	ND	ug/kg	108	20		08/20/13 11:52	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	108	20		08/20/13 11:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	108	20		08/20/13 11:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	108	20		08/20/13 11:52	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	215	20		08/20/13 11:52	75-71-8	D3
1,1-Dichloroethane	ND	ug/kg	108	20		08/20/13 11:52	75-34-3	
1,2-Dichloroethane	ND	ug/kg	108	20		08/20/13 11:52	107-06-2	
1,1-Dichloroethene	ND	ug/kg	108	20		08/20/13 11:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	108	20		08/20/13 11:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	108	20		08/20/13 11:52	156-60-5	
1,2-Dichloropropane	ND	ug/kg	108	20		08/20/13 11:52	78-87-5	
1,3-Dichloropropane	ND	ug/kg	108	20		08/20/13 11:52	142-28-9	
2,2-Dichloropropane	ND	ug/kg	108	20		08/20/13 11:52	594-20-7	
1,1-Dichloropropene	ND	ug/kg	108	20		08/20/13 11:52	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	108	20		08/20/13 11:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	108	20		08/20/13 11:52	10061-02-6	
Diisopropyl ether	ND	ug/kg	108	20		08/20/13 11:52	108-20-3	
Ethylbenzene	ND	ug/kg	108	20		08/20/13 11:52	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	108	20		08/20/13 11:52	87-68-3	
2-Hexanone	ND	ug/kg	1080	20		08/20/13 11:52	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	108	20		08/20/13 11:52	98-82-8	
p-Isopropyltoluene	ND	ug/kg	108	20		08/20/13 11:52	99-87-6	
Methylene Chloride	ND	ug/kg	430	20		08/20/13 11:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	1080	20		08/20/13 11:52	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	108	20		08/20/13 11:52	1634-04-4	
Naphthalene	**231**	ug/kg	108	20		08/20/13 11:52	91-20-3	
n-Propylbenzene	ND	ug/kg	108	20		08/20/13 11:52	103-65-1	
Styrene	ND	ug/kg	108	20		08/20/13 11:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	108	20		08/20/13 11:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	108	20		08/20/13 11:52	79-34-5	
Tetrachloroethene	ND	ug/kg	108	20		08/20/13 11:52	127-18-4	
Toluene	ND	ug/kg	108	20		08/20/13 11:52	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	108	20		08/20/13 11:52	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	108	20		08/20/13 11:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	108	20		08/20/13 11:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	108	20		08/20/13 11:52	79-00-5	
Trichloroethene	ND	ug/kg	108	20		08/20/13 11:52	79-01-6	
Trichlorofluoromethane	ND	ug/kg	108	20		08/20/13 11:52	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	108	20		08/20/13 11:52	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	108	20		08/20/13 11:52	95-63-6	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DUPLICATE **Lab ID: 92168523013** Collected: 08/09/13 17:00 Received: 08/13/13 14:15 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							
1,3,5-Trimethylbenzene	ND	ug/kg	108	20		08/20/13 11:52	108-67-8	
Vinyl acetate	ND	ug/kg	1080	20		08/20/13 11:52	108-05-4	
Vinyl chloride	ND	ug/kg	215	20		08/20/13 11:52	75-01-4	
Xylene (Total)	ND	ug/kg	215	20		08/20/13 11:52	1330-20-7	
m&p-Xylene	ND	ug/kg	215	20		08/20/13 11:52	179601-23-1	
o-Xylene	ND	ug/kg	108	20		08/20/13 11:52	95-47-6	
Surrogates								
Dibromofluoromethane (S)	79	%	70-130	20		08/20/13 11:52	1868-53-7	
Toluene-d8 (S)	103	%	70-130	20		08/20/13 11:52	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130	20		08/20/13 11:52	460-00-4	
1,2-Dichloroethane-d4 (S)	73	%	70-132	20		08/20/13 11:52	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**13.3**	%	0.10	1		08/15/13 13:45		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DS-7 **Lab ID: 92168523014** Collected: 08/09/13 14:00 Received: 08/13/13 14:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified		Preparation Method: EPA 3546					
Diesel Components	**852**	mg/kg	30.6	5	08/13/13 20:16	08/15/13 18:28	68334-30-5	
Surrogates								
n-Pentacosane (S)	0	%	41-119	5	08/13/13 20:16	08/15/13 18:28	629-99-2	S4
Gasoline Range Organics	Analytical Method: EPA 8015 Modified		Preparation Method: EPA 5035A/5030B					
Gasoline Range Organics	**38.0**	mg/kg	5.3	1	08/19/13 23:00	08/20/13 04:26	8006-61-9	
Surrogates								
4-Bromofluorobenzene (S)	127	%	70-167	1	08/19/13 23:00	08/20/13 04:26	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**18.3**	%	0.10	1		08/15/13 13:45		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

QC Batch: GCV/7210
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8015 Modified
Analysis Description: Gasoline Range Organics
Associated Lab Samples: 92168523014

METHOD BLANK: 1031843
Matrix: Solid
Associated Lab Samples: 92168523014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	6.0	08/20/13 00:13	
4-Bromofluorobenzene (S)	%	92	70-167	08/20/13 00:13	

LABORATORY CONTROL SAMPLE: 1031844

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	49.6	51.2	103	70-165	
4-Bromofluorobenzene (S)	%			88	70-167	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1031845 1031846

Parameter	Units	92169174003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Gasoline Range Organics	mg/kg	ND	64.5	64.5	74.8	76.6	116	119	47-187	2	
4-Bromofluorobenzene (S)	%						89	95	70-167		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

QC Batch: MSV/23957 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92168523001, 92168523002, 92168523003

METHOD BLANK: 1030655 | Matrix: Solid
Associated Lab Samples: 92168523001, 92168523002, 92168523003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.2	08/16/13 12:21	
1,1,1-Trichloroethane	ug/kg	ND	5.2	08/16/13 12:21	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.2	08/16/13 12:21	
1,1,2-Trichloroethane	ug/kg	ND	5.2	08/16/13 12:21	
1,1-Dichloroethane	ug/kg	ND	5.2	08/16/13 12:21	
1,1-Dichloroethene	ug/kg	ND	5.2	08/16/13 12:21	
1,1-Dichloropropene	ug/kg	ND	5.2	08/16/13 12:21	
1,2,3-Trichlorobenzene	ug/kg	ND	5.2	08/16/13 12:21	
1,2,3-Trichloropropane	ug/kg	ND	5.2	08/16/13 12:21	
1,2,4-Trichlorobenzene	ug/kg	ND	5.2	08/16/13 12:21	
1,2,4-Trimethylbenzene	ug/kg	ND	5.2	08/16/13 12:21	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.2	08/16/13 12:21	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.2	08/16/13 12:21	
1,2-Dichlorobenzene	ug/kg	ND	5.2	08/16/13 12:21	
1,2-Dichloroethane	ug/kg	ND	5.2	08/16/13 12:21	
1,2-Dichloropropane	ug/kg	ND	5.2	08/16/13 12:21	
1,3,5-Trimethylbenzene	ug/kg	ND	5.2	08/16/13 12:21	
1,3-Dichlorobenzene	ug/kg	ND	5.2	08/16/13 12:21	
1,3-Dichloropropane	ug/kg	ND	5.2	08/16/13 12:21	
1,4-Dichlorobenzene	ug/kg	ND	5.2	08/16/13 12:21	
2,2-Dichloropropane	ug/kg	ND	5.2	08/16/13 12:21	
2-Butanone (MEK)	ug/kg	ND	105	08/16/13 12:21	
2-Chlorotoluene	ug/kg	ND	5.2	08/16/13 12:21	
2-Hexanone	ug/kg	ND	52.3	08/16/13 12:21	
4-Chlorotoluene	ug/kg	ND	5.2	08/16/13 12:21	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	52.3	08/16/13 12:21	
Acetone	ug/kg	ND	105	08/16/13 12:21	
Benzene	ug/kg	ND	5.2	08/16/13 12:21	
Bromobenzene	ug/kg	ND	5.2	08/16/13 12:21	
Bromochloromethane	ug/kg	ND	5.2	08/16/13 12:21	
Bromodichloromethane	ug/kg	ND	5.2	08/16/13 12:21	
Bromoform	ug/kg	ND	5.2	08/16/13 12:21	
Bromomethane	ug/kg	ND	10.5	08/16/13 12:21	
Carbon tetrachloride	ug/kg	ND	5.2	08/16/13 12:21	
Chlorobenzene	ug/kg	ND	5.2	08/16/13 12:21	
Chloroethane	ug/kg	ND	10.5	08/16/13 12:21	
Chloroform	ug/kg	ND	5.2	08/16/13 12:21	
Chloromethane	ug/kg	ND	10.5	08/16/13 12:21	
cis-1,2-Dichloroethene	ug/kg	ND	5.2	08/16/13 12:21	
cis-1,3-Dichloropropene	ug/kg	ND	5.2	08/16/13 12:21	
Dibromochloromethane	ug/kg	ND	5.2	08/16/13 12:21	
Dibromomethane	ug/kg	ND	5.2	08/16/13 12:21	
Dichlorodifluoromethane	ug/kg	ND	10.5	08/16/13 12:21	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

METHOD BLANK: 1030655 Matrix: Solid

Associated Lab Samples: 92168523001, 92168523002, 92168523003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	ND	5.2	08/16/13 12:21	
Ethylbenzene	ug/kg	ND	5.2	08/16/13 12:21	
Hexachloro-1,3-butadiene	ug/kg	ND	5.2	08/16/13 12:21	
Isopropylbenzene (Cumene)	ug/kg	ND	5.2	08/16/13 12:21	
m&p-Xylene	ug/kg	ND	10.5	08/16/13 12:21	
Methyl-tert-butyl ether	ug/kg	ND	5.2	08/16/13 12:21	
Methylene Chloride	ug/kg	ND	20.9	08/16/13 12:21	
n-Butylbenzene	ug/kg	ND	5.2	08/16/13 12:21	
n-Propylbenzene	ug/kg	ND	5.2	08/16/13 12:21	
Naphthalene	ug/kg	ND	5.2	08/16/13 12:21	
o-Xylene	ug/kg	ND	5.2	08/16/13 12:21	
p-Isopropyltoluene	ug/kg	ND	5.2	08/16/13 12:21	
sec-Butylbenzene	ug/kg	ND	5.2	08/16/13 12:21	
Styrene	ug/kg	ND	5.2	08/16/13 12:21	
tert-Butylbenzene	ug/kg	ND	5.2	08/16/13 12:21	
Tetrachloroethene	ug/kg	ND	5.2	08/16/13 12:21	
Toluene	ug/kg	ND	5.2	08/16/13 12:21	
trans-1,2-Dichloroethene	ug/kg	ND	5.2	08/16/13 12:21	
trans-1,3-Dichloropropene	ug/kg	ND	5.2	08/16/13 12:21	
Trichloroethene	ug/kg	ND	5.2	08/16/13 12:21	
Trichlorofluoromethane	ug/kg	ND	5.2	08/16/13 12:21	
Vinyl acetate	ug/kg	ND	52.3	08/16/13 12:21	
Vinyl chloride	ug/kg	ND	10.5	08/16/13 12:21	
Xylene (Total)	ug/kg	ND	10.5	08/16/13 12:21	
1,2-Dichloroethane-d4 (S)	%	93	70-132	08/16/13 12:21	
4-Bromofluorobenzene (S)	%	95	70-130	08/16/13 12:21	
Dibromofluoromethane (S)	%	93	70-130	08/16/13 12:21	
Toluene-d8 (S)	%	99	70-130	08/16/13 12:21	

LABORATORY CONTROL SAMPLE: 1030656

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	57.6	59.9	104	70-131	
1,1,1-Trichloroethane	ug/kg	57.6	58.1	101	70-141	
1,1,2,2-Tetrachloroethane	ug/kg	57.6	59.1	103	70-130	
1,1,2-Trichloroethane	ug/kg	57.6	60.0	104	70-132	
1,1-Dichloroethane	ug/kg	57.6	55.4	96	70-143	
1,1-Dichloroethene	ug/kg	57.6	58.6	102	70-137	
1,1-Dichloropropene	ug/kg	57.6	54.1	94	70-135	
1,2,3-Trichlorobenzene	ug/kg	57.6	60.3	105	69-153	
1,2,3-Trichloropropane	ug/kg	57.6	56.5	98	70-130	
1,2,4-Trichlorobenzene	ug/kg	57.6	65.1	113	55-171	
1,2,4-Trimethylbenzene	ug/kg	57.6	61.2	106	70-149	
1,2-Dibromo-3-chloropropane	ug/kg	57.6	54.1	94	68-141	
1,2-Dibromoethane (EDB)	ug/kg	57.6	59.2	103	70-130	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

LABORATORY CONTROL SAMPLE: 1030656

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	57.6	62.9	109	70-140	
1,2-Dichloroethane	ug/kg	57.6	55.2	96	70-137	
1,2-Dichloropropane	ug/kg	57.6	53.5	93	70-133	
1,3,5-Trimethylbenzene	ug/kg	57.6	61.1	106	70-143	
1,3-Dichlorobenzene	ug/kg	57.6	62.3	108	70-144	
1,3-Dichloropropane	ug/kg	57.6	53.0	92	70-132	
1,4-Dichlorobenzene	ug/kg	57.6	62.0	108	70-142	
2,2-Dichloropropane	ug/kg	57.6	58.2	101	68-152	
2-Butanone (MEK)	ug/kg	115	108J	94	70-149	
2-Chlorotoluene	ug/kg	57.6	63.3	110	70-141	
2-Hexanone	ug/kg	115	106	92	70-149	
4-Chlorotoluene	ug/kg	57.6	65.4	114	70-149	
4-Methyl-2-pentanone (MIBK)	ug/kg	115	114	99	70-153	
Acetone	ug/kg	115	ND	100	70-157	
Benzene	ug/kg	57.6	59.4	103	70-130	
Bromobenzene	ug/kg	57.6	57.7	100	70-141	
Bromochloromethane	ug/kg	57.6	56.3	98	70-149	
Bromodichloromethane	ug/kg	57.6	60.5	105	70-130	
Bromoform	ug/kg	57.6	57.8	100	70-131	
Bromomethane	ug/kg	57.6	60.6	105	64-136	
Carbon tetrachloride	ug/kg	57.6	60.0	104	70-154	
Chlorobenzene	ug/kg	57.6	60.0	104	70-135	
Chloroethane	ug/kg	57.6	52.7	92	68-151	
Chloroform	ug/kg	57.6	56.6	98	70-130	
Chloromethane	ug/kg	57.6	52.9	92	70-132	
cis-1,2-Dichloroethene	ug/kg	57.6	53.3	93	70-140	
cis-1,3-Dichloropropene	ug/kg	57.6	51.0	88	70-137	
Dibromochloromethane	ug/kg	57.6	60.5	105	70-130	
Dibromomethane	ug/kg	57.6	58.3	101	70-136	
Dichlorodifluoromethane	ug/kg	57.6	46.6	81	36-148	
Diisopropyl ether	ug/kg	57.6	53.8	93	70-139	
Ethylbenzene	ug/kg	57.6	62.5	108	70-137	
Hexachloro-1,3-butadiene	ug/kg	57.6	63.2	110	70-145	
Isopropylbenzene (Cumene)	ug/kg	57.6	69.8	121	70-141	
m&p-Xylene	ug/kg	115	129	112	70-140	
Methyl-tert-butyl ether	ug/kg	57.6	59.1	103	45-150	
Methylene Chloride	ug/kg	57.6	59.0	102	70-133	
n-Butylbenzene	ug/kg	57.6	63.7	111	65-155	
n-Propylbenzene	ug/kg	57.6	61.4	107	70-148	
Naphthalene	ug/kg	57.6	62.9	109	70-148	
o-Xylene	ug/kg	57.6	65.5	114	70-141	
p-Isopropyltoluene	ug/kg	57.6	62.9	109	70-148	
sec-Butylbenzene	ug/kg	57.6	63.7	111	70-145	
Styrene	ug/kg	57.6	63.1	110	70-138	
tert-Butylbenzene	ug/kg	57.6	66.3	115	70-143	
Tetrachloroethene	ug/kg	57.6	62.6	109	70-140	
Toluene	ug/kg	57.6	61.5	107	70-130	
trans-1,2-Dichloroethene	ug/kg	57.6	56.2	98	70-136	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

LABORATORY CONTROL SAMPLE: 1030656

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/kg	57.6	53.8	93	70-138	
Trichloroethene	ug/kg	57.6	60.9	106	70-132	
Trichlorofluoromethane	ug/kg	57.6	54.1	94	69-134	
Vinyl acetate	ug/kg	115	133	116	24-161	
Vinyl chloride	ug/kg	57.6	47.4	82	55-140	
Xylene (Total)	ug/kg	173	195	113	70-141	
1,2-Dichloroethane-d4 (S)	%			98	70-132	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			93	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 1031639

Parameter	Units	92168957001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/kg	<4.5	49.6	35.9	72	49-180	
Benzene	ug/kg	<4.5	49.6	48.3	95	50-166	
Chlorobenzene	ug/kg	<4.5	49.6	49.3	100	43-169	
Toluene	ug/kg	<4.5	49.6	48.7	95	52-163	
Trichloroethene	ug/kg	<4.5	49.6	44.9	91	49-167	
1,2-Dichloroethane-d4 (S)	%				81	70-132	
4-Bromofluorobenzene (S)	%				92	70-130	
Dibromofluoromethane (S)	%				83	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 1031638

Parameter	Units	92168748001 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		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

SAMPLE DUPLICATE: 1031638

Parameter	Units	92168748001 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	23.4J		
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		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

SAMPLE DUPLICATE: 1031638

Parameter	Units	92168748001 Result	Dup Result	RPD	Qualifiers
Xylene (Total)	ug/kg	ND	ND		
1,2-Dichloroethane-d4 (S)	%	92	88	41	
4-Bromofluorobenzene (S)	%	91	93	48	
Dibromofluoromethane (S)	%	89	87	44	
Toluene-d8 (S)	%	101	99	45	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

QC Batch: MSV/23958 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92168523004, 92168523005, 92168523007, 92168523008

METHOD BLANK: 1030661 — Matrix: Solid
Associated Lab Samples: 92168523004, 92168523005, 92168523007, 92168523008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.1	08/16/13 12:02	
1,1,1-Trichloroethane	ug/kg	ND	5.1	08/16/13 12:02	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.1	08/16/13 12:02	
1,1,2-Trichloroethane	ug/kg	ND	5.1	08/16/13 12:02	
1,1-Dichloroethane	ug/kg	ND	5.1	08/16/13 12:02	
1,1-Dichloroethene	ug/kg	ND	5.1	08/16/13 12:02	
1,1-Dichloropropene	ug/kg	ND	5.1	08/16/13 12:02	
1,2,3-Trichlorobenzene	ug/kg	ND	5.1	08/16/13 12:02	
1,2,3-Trichloropropane	ug/kg	ND	5.1	08/16/13 12:02	
1,2,4-Trichlorobenzene	ug/kg	ND	5.1	08/16/13 12:02	
1,2,4-Trimethylbenzene	ug/kg	ND	5.1	08/16/13 12:02	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.1	08/16/13 12:02	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.1	08/16/13 12:02	
1,2-Dichlorobenzene	ug/kg	ND	5.1	08/16/13 12:02	
1,2-Dichloroethane	ug/kg	ND	5.1	08/16/13 12:02	
1,2-Dichloropropane	ug/kg	ND	5.1	08/16/13 12:02	
1,3,5-Trimethylbenzene	ug/kg	ND	5.1	08/16/13 12:02	
1,3-Dichlorobenzene	ug/kg	ND	5.1	08/16/13 12:02	
1,3-Dichloropropane	ug/kg	ND	5.1	08/16/13 12:02	
1,4-Dichlorobenzene	ug/kg	ND	5.1	08/16/13 12:02	
2,2-Dichloropropane	ug/kg	ND	5.1	08/16/13 12:02	
2-Butanone (MEK)	ug/kg	ND	102	08/16/13 12:02	
2-Chlorotoluene	ug/kg	ND	5.1	08/16/13 12:02	
2-Hexanone	ug/kg	ND	51.0	08/16/13 12:02	
4-Chlorotoluene	ug/kg	ND	5.1	08/16/13 12:02	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	51.0	08/16/13 12:02	
Acetone	ug/kg	ND	102	08/16/13 12:02	
Benzene	ug/kg	ND	5.1	08/16/13 12:02	
Bromobenzene	ug/kg	ND	5.1	08/16/13 12:02	
Bromochloromethane	ug/kg	ND	5.1	08/16/13 12:02	
Bromodichloromethane	ug/kg	ND	5.1	08/16/13 12:02	
Bromoform	ug/kg	ND	5.1	08/16/13 12:02	
Bromomethane	ug/kg	ND	10.2	08/16/13 12:02	
Carbon tetrachloride	ug/kg	ND	5.1	08/16/13 12:02	
Chlorobenzene	ug/kg	ND	5.1	08/16/13 12:02	
Chloroethane	ug/kg	ND	10.2	08/16/13 12:02	
Chloroform	ug/kg	ND	5.1	08/16/13 12:02	
Chloromethane	ug/kg	ND	10.2	08/16/13 12:02	
cis-1,2-Dichloroethene	ug/kg	ND	5.1	08/16/13 12:02	
cis-1,3-Dichloropropene	ug/kg	ND	5.1	08/16/13 12:02	
Dibromochloromethane	ug/kg	ND	5.1	08/16/13 12:02	
Dibromomethane	ug/kg	ND	5.1	08/16/13 12:02	
Dichlorodifluoromethane	ug/kg	ND	10.2	08/16/13 12:02	

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

Pace Analytical
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

METHOD BLANK: 1030661 Matrix: Solid

Associated Lab Samples: 92168523004, 92168523005, 92168523007, 92168523008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	ND	5.1	08/16/13 12:02	
Ethylbenzene	ug/kg	ND	5.1	08/16/13 12:02	
Hexachloro-1,3-butadiene	ug/kg	ND	5.1	08/16/13 12:02	
Isopropylbenzene (Cumene)	ug/kg	ND	5.1	08/16/13 12:02	
m&p-Xylene	ug/kg	ND	10.2	08/16/13 12:02	
Methyl-tert-butyl ether	ug/kg	ND	5.1	08/16/13 12:02	
Methylene Chloride	ug/kg	ND	20.4	08/16/13 12:02	
n-Butylbenzene	ug/kg	ND	5.1	08/16/13 12:02	
n-Propylbenzene	ug/kg	ND	5.1	08/16/13 12:02	
Naphthalene	ug/kg	ND	5.1	08/16/13 12:02	
o-Xylene	ug/kg	ND	5.1	08/16/13 12:02	
p-Isopropyltoluene	ug/kg	ND	5.1	08/16/13 12:02	
sec-Butylbenzene	ug/kg	ND	5.1	08/16/13 12:02	
Styrene	ug/kg	ND	5.1	08/16/13 12:02	
tert-Butylbenzene	ug/kg	ND	5.1	08/16/13 12:02	
Tetrachloroethene	ug/kg	ND	5.1	08/16/13 12:02	
Toluene	ug/kg	ND	5.1	08/16/13 12:02	
trans-1,2-Dichloroethene	ug/kg	ND	5.1	08/16/13 12:02	
trans-1,3-Dichloropropene	ug/kg	ND	5.1	08/16/13 12:02	
Trichloroethene	ug/kg	ND	5.1	08/16/13 12:02	
Trichlorofluoromethane	ug/kg	ND	5.1	08/16/13 12:02	
Vinyl acetate	ug/kg	ND	51.0	08/16/13 12:02	
Vinyl chloride	ug/kg	ND	10.2	08/16/13 12:02	
Xylene (Total)	ug/kg	ND	10.2	08/16/13 12:02	
1,2-Dichloroethane-d4 (S)	%	93	70-132	08/16/13 12:02	
4-Bromofluorobenzene (S)	%	94	70-130	08/16/13 12:02	
Dibromofluoromethane (S)	%	91	70-130	08/16/13 12:02	
Toluene-d8 (S)	%	98	70-130	08/16/13 12:02	

LABORATORY CONTROL SAMPLE: 1030662

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	51.4	60.5	118	70-131	
1,1,1-Trichloroethane	ug/kg	51.4	55.4	108	70-141	
1,1,2,2-Tetrachloroethane	ug/kg	51.4	60.1	117	70-130	
1,1,2-Trichloroethane	ug/kg	51.4	60.8	118	70-132	
1,1-Dichloroethane	ug/kg	51.4	53.8	105	70-143	
1,1-Dichloroethene	ug/kg	51.4	56.8	110	70-137	
1,1-Dichloropropene	ug/kg	51.4	53.6	104	70-135	
1,2,3-Trichlorobenzene	ug/kg	51.4	52.8	103	69-153	
1,2,3-Trichloropropane	ug/kg	51.4	60.5	118	70-130	
1,2,4-Trichlorobenzene	ug/kg	51.4	57.1	111	55-171	
1,2,4-Trimethylbenzene	ug/kg	51.4	56.6	110	70-149	
1,2-Dibromo-3-chloropropane	ug/kg	51.4	55.6	108	68-141	
1,2-Dibromoethane (EDB)	ug/kg	51.4	61.0	119	70-130	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

LABORATORY CONTROL SAMPLE: 1030662

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	51.4	58.3	113	70-140	
1,2-Dichloroethane	ug/kg	51.4	54.9	107	70-137	
1,2-Dichloropropane	ug/kg	51.4	52.3	102	70-133	
1,3,5-Trimethylbenzene	ug/kg	51.4	56.2	109	70-143	
1,3-Dichlorobenzene	ug/kg	51.4	56.7	110	70-144	
1,3-Dichloropropane	ug/kg	51.4	55.6	108	70-132	
1,4-Dichlorobenzene	ug/kg	51.4	56.2	109	70-142	
2,2-Dichloropropane	ug/kg	51.4	56.0	109	68-152	
2-Butanone (MEK)	ug/kg	103	111	108	70-149	
2-Chlorotoluene	ug/kg	51.4	58.8	114	70-141	
2-Hexanone	ug/kg	103	114	111	70-149	
4-Chlorotoluene	ug/kg	51.4	59.1	115	70-149	
4-Methyl-2-pentanone (MIBK)	ug/kg	103	112	109	70-153	
Acetone	ug/kg	103	120	117	70-157	
Benzene	ug/kg	51.4	57.4	112	70-130	
Bromobenzene	ug/kg	51.4	54.6	106	70-141	
Bromochloromethane	ug/kg	51.4	55.9	109	70-149	
Bromodichloromethane	ug/kg	51.4	59.7	116	70-130	
Bromoform	ug/kg	51.4	58.9	115	70-131	
Bromomethane	ug/kg	51.4	59.5	116	64-136	
Carbon tetrachloride	ug/kg	51.4	56.9	111	70-154	
Chlorobenzene	ug/kg	51.4	59.2	115	70-135	
Chloroethane	ug/kg	51.4	52.9	103	68-151	
Chloroform	ug/kg	51.4	55.5	108	70-130	
Chloromethane	ug/kg	51.4	50.1	97	70-132	
cis-1,2-Dichloroethene	ug/kg	51.4	53.2	103	70-140	
cis-1,3-Dichloropropene	ug/kg	51.4	50.6	98	70-137	
Dibromochloromethane	ug/kg	51.4	62.8	122	70-130	
Dibromomethane	ug/kg	51.4	57.7	112	70-136	
Dichlorodifluoromethane	ug/kg	51.4	45.0	87	36-148	
Diisopropyl ether	ug/kg	51.4	53.6	104	70-139	
Ethylbenzene	ug/kg	51.4	61.9	120	70-137	
Hexachloro-1,3-butadiene	ug/kg	51.4	54.3	106	70-145	
Isopropylbenzene (Cumene)	ug/kg	51.4	67.5	131	70-141	
m&p-Xylene	ug/kg	103	127	124	70-140	
Methyl-tert-butyl ether	ug/kg	51.4	59.6	116	45-150	
Methylene Chloride	ug/kg	51.4	65.3	127	70-133	
n-Butylbenzene	ug/kg	51.4	56.4	110	65-155	
n-Propylbenzene	ug/kg	51.4	55.8	108	70-148	
Naphthalene	ug/kg	51.4	59.1	115	70-148	
o-Xylene	ug/kg	51.4	65.6	128	70-141	
p-Isopropyltoluene	ug/kg	51.4	56.5	110	70-148	
sec-Butylbenzene	ug/kg	51.4	57.5	112	70-145	
Styrene	ug/kg	51.4	62.8	122	70-138	
tert-Butylbenzene	ug/kg	51.4	61.0	119	70-143	
Tetrachloroethene	ug/kg	51.4	61.0	119	70-140	
Toluene	ug/kg	51.4	59.2	115	70-130	
trans-1,2-Dichloroethene	ug/kg	51.4	55.0	107	70-136	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

LABORATORY CONTROL SAMPLE: 1030662

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/kg	51.4	52.4	102	70-138	
Trichloroethene	ug/kg	51.4	59.2	115	70-132	
Trichlorofluoromethane	ug/kg	51.4	52.2	102	69-134	
Vinyl acetate	ug/kg	103	128	125	24-161	
Vinyl chloride	ug/kg	51.4	46.8	91	55-140	
Xylene (Total)	ug/kg	154	193	125	70-141	
1,2-Dichloroethane-d4 (S)	%			95	70-132	
4-Bromofluorobenzene (S)	%			107	70-130	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			102	70-130	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

QC Batch: MSV/23977 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92168523006, 92168523009, 92168523010, 92168523011, 92168523012

METHOD BLANK: 1031668 — Matrix: Solid
Associated Lab Samples: 92168523006, 92168523009, 92168523010, 92168523011, 92168523012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	4.7	08/19/13 12:10	
1,1,1-Trichloroethane	ug/kg	ND	4.7	08/19/13 12:10	
1,1,2,2-Tetrachloroethane	ug/kg	ND	4.7	08/19/13 12:10	
1,1,2-Trichloroethane	ug/kg	ND	4.7	08/19/13 12:10	
1,1-Dichloroethane	ug/kg	ND	4.7	08/19/13 12:10	
1,1-Dichloroethene	ug/kg	ND	4.7	08/19/13 12:10	
1,1-Dichloropropene	ug/kg	ND	4.7	08/19/13 12:10	
1,2,3-Trichlorobenzene	ug/kg	ND	4.7	08/19/13 12:10	
1,2,3-Trichloropropane	ug/kg	ND	4.7	08/19/13 12:10	
1,2,4-Trichlorobenzene	ug/kg	ND	4.7	08/19/13 12:10	
1,2,4-Trimethylbenzene	ug/kg	ND	4.7	08/19/13 12:10	
1,2-Dibromo-3-chloropropane	ug/kg	ND	4.7	08/19/13 12:10	
1,2-Dibromoethane (EDB)	ug/kg	ND	4.7	08/19/13 12:10	
1,2-Dichlorobenzene	ug/kg	ND	4.7	08/19/13 12:10	
1,2-Dichloroethane	ug/kg	ND	4.7	08/19/13 12:10	
1,2-Dichloropropane	ug/kg	ND	4.7	08/19/13 12:10	
1,3,5-Trimethylbenzene	ug/kg	ND	4.7	08/19/13 12:10	
1,3-Dichlorobenzene	ug/kg	ND	4.7	08/19/13 12:10	
1,3-Dichloropropane	ug/kg	ND	4.7	08/19/13 12:10	
1,4-Dichlorobenzene	ug/kg	ND	4.7	08/19/13 12:10	
2,2-Dichloropropane	ug/kg	ND	4.7	08/19/13 12:10	
2-Butanone (MEK)	ug/kg	ND	94.2	08/19/13 12:10	
2-Chlorotoluene	ug/kg	ND	4.7	08/19/13 12:10	
2-Hexanone	ug/kg	ND	47.1	08/19/13 12:10	
4-Chlorotoluene	ug/kg	ND	4.7	08/19/13 12:10	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	47.1	08/19/13 12:10	
Acetone	ug/kg	ND	94.2	08/19/13 12:10	
Benzene	ug/kg	ND	4.7	08/19/13 12:10	
Bromobenzene	ug/kg	ND	4.7	08/19/13 12:10	
Bromochloromethane	ug/kg	ND	4.7	08/19/13 12:10	
Bromodichloromethane	ug/kg	ND	4.7	08/19/13 12:10	
Bromoform	ug/kg	ND	4.7	08/19/13 12:10	
Bromomethane	ug/kg	ND	9.4	08/19/13 12:10	
Carbon tetrachloride	ug/kg	ND	4.7	08/19/13 12:10	
Chlorobenzene	ug/kg	ND	4.7	08/19/13 12:10	
Chloroethane	ug/kg	ND	9.4	08/19/13 12:10	
Chloroform	ug/kg	ND	4.7	08/19/13 12:10	
Chloromethane	ug/kg	ND	9.4	08/19/13 12:10	
cis-1,2-Dichloroethene	ug/kg	ND	4.7	08/19/13 12:10	
cis-1,3-Dichloropropene	ug/kg	ND	4.7	08/19/13 12:10	
Dibromochloromethane	ug/kg	ND	4.7	08/19/13 12:10	
Dibromomethane	ug/kg	ND	4.7	08/19/13 12:10	
Dichlorodifluoromethane	ug/kg	ND	9.4	08/19/13 12:10	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

METHOD BLANK: 1031668 Matrix: Solid

Associated Lab Samples: 92168523006, 92168523009, 92168523010, 92168523011, 92168523012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	ND	4.7	08/19/13 12:10	
Ethylbenzene	ug/kg	ND	4.7	08/19/13 12:10	
Hexachloro-1,3-butadiene	ug/kg	ND	4.7	08/19/13 12:10	
Isopropylbenzene (Cumene)	ug/kg	ND	4.7	08/19/13 12:10	
m&p-Xylene	ug/kg	ND	9.4	08/19/13 12:10	
Methyl-tert-butyl ether	ug/kg	ND	4.7	08/19/13 12:10	
Methylene Chloride	ug/kg	ND	18.8	08/19/13 12:10	
n-Butylbenzene	ug/kg	ND	4.7	08/19/13 12:10	
n-Propylbenzene	ug/kg	ND	4.7	08/19/13 12:10	
Naphthalene	ug/kg	ND	4.7	08/19/13 12:10	
o-Xylene	ug/kg	ND	4.7	08/19/13 12:10	
p-Isopropyltoluene	ug/kg	ND	4.7	08/19/13 12:10	
sec-Butylbenzene	ug/kg	ND	4.7	08/19/13 12:10	
Styrene	ug/kg	ND	4.7	08/19/13 12:10	
tert-Butylbenzene	ug/kg	ND	4.7	08/19/13 12:10	
Tetrachloroethene	ug/kg	ND	4.7	08/19/13 12:10	
Toluene	ug/kg	ND	4.7	08/19/13 12:10	
trans-1,2-Dichloroethene	ug/kg	ND	4.7	08/19/13 12:10	
trans-1,3-Dichloropropene	ug/kg	ND	4.7	08/19/13 12:10	
Trichloroethene	ug/kg	ND	4.7	08/19/13 12:10	
Trichlorofluoromethane	ug/kg	ND	4.7	08/19/13 12:10	
Vinyl acetate	ug/kg	ND	47.1	08/19/13 12:10	
Vinyl chloride	ug/kg	ND	9.4	08/19/13 12:10	
Xylene (Total)	ug/kg	ND	9.4	08/19/13 12:10	
1,2-Dichloroethane-d4 (S)	%	85	70-132	08/19/13 12:10	
4-Bromofluorobenzene (S)	%	96	70-130	08/19/13 12:10	
Dibromofluoromethane (S)	%	86	70-130	08/19/13 12:10	
Toluene-d8 (S)	%	99	70-130	08/19/13 12:10	

LABORATORY CONTROL SAMPLE: 1031669

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	49.6	43.4	88	70-131	
1,1,1-Trichloroethane	ug/kg	49.6	42.1	85	70-141	
1,1,2,2-Tetrachloroethane	ug/kg	49.6	50.0	101	70-130	
1,1,2-Trichloroethane	ug/kg	49.6	47.5	96	70-132	
1,1-Dichloroethane	ug/kg	49.6	47.2	95	70-143	
1,1-Dichloroethene	ug/kg	49.6	46.7	94	70-137	
1,1-Dichloropropene	ug/kg	49.6	46.5	94	70-135	
1,2,3-Trichlorobenzene	ug/kg	49.6	49.3	99	69-153	
1,2,3-Trichloropropane	ug/kg	49.6	41.4	83	70-130	
1,2,4-Trichlorobenzene	ug/kg	49.6	52.2	105	55-171	
1,2,4-Trimethylbenzene	ug/kg	49.6	49.4	100	70-149	
1,2-Dibromo-3-chloropropane	ug/kg	49.6	44.8	90	68-141	
1,2-Dibromoethane (EDB)	ug/kg	49.6	47.7	96	70-130	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

LABORATORY CONTROL SAMPLE: 1031669

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	49.6	47.6	96	70-140	
1,2-Dichloroethane	ug/kg	49.6	39.4	79	70-137	
1,2-Dichloropropane	ug/kg	49.6	51.6	104	70-133	
1,3,5-Trimethylbenzene	ug/kg	49.6	48.6	98	70-143	
1,3-Dichlorobenzene	ug/kg	49.6	48.1	97	70-144	
1,3-Dichloropropane	ug/kg	49.6	46.7	94	70-132	
1,4-Dichlorobenzene	ug/kg	49.6	47.4	96	70-142	
2,2-Dichloropropane	ug/kg	49.6	43.8	88	68-152	
2-Butanone (MEK)	ug/kg	99.2	106	106	70-149	
2-Chlorotoluene	ug/kg	49.6	52.7	106	70-141	
2-Hexanone	ug/kg	99.2	109	110	70-149	
4-Chlorotoluene	ug/kg	49.6	52.3	105	70-149	
4-Methyl-2-pentanone (MIBK)	ug/kg	99.2	106	107	70-153	
Acetone	ug/kg	99.2	100	101	70-157	
Benzene	ug/kg	49.6	49.5	100	70-130	
Bromobenzene	ug/kg	49.6	49.3	99	70-141	
Bromochloromethane	ug/kg	49.6	41.5	84	70-149	
Bromodichloromethane	ug/kg	49.6	43.4	88	70-130	
Bromoform	ug/kg	49.6	42.5	86	70-131	
Bromomethane	ug/kg	49.6	44.9	90	64-136	
Carbon tetrachloride	ug/kg	49.6	38.5	78	70-154	
Chlorobenzene	ug/kg	49.6	46.6	94	70-135	
Chloroethane	ug/kg	49.6	47.8	96	68-151	
Chloroform	ug/kg	49.6	43.9	88	70-130	
Chloromethane	ug/kg	49.6	55.5	112	70-132	
cis-1,2-Dichloroethene	ug/kg	49.6	46.4	94	70-140	
cis-1,3-Dichloropropene	ug/kg	49.6	43.4	87	70-137	
Dibromochloromethane	ug/kg	49.6	43.2	87	70-130	
Dibromomethane	ug/kg	49.6	43.1	87	70-136	
Dichlorodifluoromethane	ug/kg	49.6	34.2	69	36-148	
Diisopropyl ether	ug/kg	49.6	53.6	108	70-139	
Ethylbenzene	ug/kg	49.6	50.0	101	70-137	
Hexachloro-1,3-butadiene	ug/kg	49.6	50.6	102	70-145	
Isopropylbenzene (Cumene)	ug/kg	49.6	51.9	105	70-141	
m&p-Xylene	ug/kg	99.2	101	101	70-140	
Methyl-tert-butyl ether	ug/kg	49.6	47.7	96	45-150	
Methylene Chloride	ug/kg	49.6	54.1	109	70-133	
n-Butylbenzene	ug/kg	49.6	50.4	102	65-155	
n-Propylbenzene	ug/kg	49.6	49.9	101	70-148	
Naphthalene	ug/kg	49.6	51.9	105	70-148	
o-Xylene	ug/kg	49.6	52.1	105	70-141	
p-Isopropyltoluene	ug/kg	49.6	47.3	95	70-148	
sec-Butylbenzene	ug/kg	49.6	49.0	99	70-145	
Styrene	ug/kg	49.6	50.3	101	70-138	
tert-Butylbenzene	ug/kg	49.6	51.0	103	70-143	
Tetrachloroethene	ug/kg	49.6	48.1	97	70-140	
Toluene	ug/kg	49.6	49.2	99	70-130	
trans-1,2-Dichloroethene	ug/kg	49.6	47.5	96	70-136	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

LABORATORY CONTROL SAMPLE: 1031669

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/kg	49.6	40.6	82	70-138	
Trichloroethene	ug/kg	49.6	44.3	89	70-132	
Trichlorofluoromethane	ug/kg	49.6	36.7	74	69-134	
Vinyl acetate	ug/kg	99.2	119	120	24-161	
Vinyl chloride	ug/kg	49.6	45.3	91	55-140	
Xylene (Total)	ug/kg	149	153	103	70-141	
1,2-Dichloroethane-d4 (S)	%			87	70-132	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			93	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE SAMPLE: 1031913

Parameter	Units	92169192001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/kg	ND	27.7	24.9	90	49-180	
Benzene	ug/kg	ND	27.7	27.5	99	50-166	
Chlorobenzene	ug/kg	ND	27.7	26.8	97	43-169	
Toluene	ug/kg	ND	27.7	27.4	99	52-163	
Trichloroethene	ug/kg	ND	27.7	25.4	92	49-167	
1,2-Dichloroethane-d4 (S)	%				79	70-132	
4-Bromofluorobenzene (S)	%				91	70-130	
Dibromofluoromethane (S)	%				86	70-130	
Toluene-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 1031912

Parameter	Units	92169142001 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		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

SAMPLE DUPLICATE: 1031912

Parameter	Units	92169142001 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	5.8J		
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	43.3J		
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		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

SAMPLE DUPLICATE: 1031912

Parameter	Units	92169142001 Result	Dup Result	RPD	Qualifiers
Xylene (Total)	ug/kg	ND	ND		
1,2-Dichloroethane-d4 (S)	%	93	89	7	
4-Bromofluorobenzene (S)	%	91	96	17	
Dibromofluoromethane (S)	%	89	90	13	
Toluene-d8 (S)	%	99	99	11	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

QC Batch: MSV/23985
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92168523013

METHOD BLANK: 1032043
Matrix: Solid
Associated Lab Samples: 92168523013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	08/20/13 11:33	
1,1,1-Trichloroethane	ug/kg	ND	5.0	08/20/13 11:33	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	08/20/13 11:33	
1,1,2-Trichloroethane	ug/kg	ND	5.0	08/20/13 11:33	
1,1-Dichloroethane	ug/kg	ND	5.0	08/20/13 11:33	
1,1-Dichloroethene	ug/kg	ND	5.0	08/20/13 11:33	
1,1-Dichloropropene	ug/kg	ND	5.0	08/20/13 11:33	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	08/20/13 11:33	
1,2,3-Trichloropropane	ug/kg	ND	5.0	08/20/13 11:33	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	08/20/13 11:33	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	08/20/13 11:33	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	08/20/13 11:33	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	08/20/13 11:33	
1,2-Dichlorobenzene	ug/kg	ND	5.0	08/20/13 11:33	
1,2-Dichloroethane	ug/kg	ND	5.0	08/20/13 11:33	
1,2-Dichloropropane	ug/kg	ND	5.0	08/20/13 11:33	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	08/20/13 11:33	
1,3-Dichlorobenzene	ug/kg	ND	5.0	08/20/13 11:33	
1,3-Dichloropropane	ug/kg	ND	5.0	08/20/13 11:33	
1,4-Dichlorobenzene	ug/kg	ND	5.0	08/20/13 11:33	
2,2-Dichloropropane	ug/kg	ND	5.0	08/20/13 11:33	
2-Butanone (MEK)	ug/kg	ND	99.6	08/20/13 11:33	
2-Chlorotoluene	ug/kg	ND	5.0	08/20/13 11:33	
2-Hexanone	ug/kg	ND	49.8	08/20/13 11:33	
4-Chlorotoluene	ug/kg	ND	5.0	08/20/13 11:33	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	49.8	08/20/13 11:33	
Acetone	ug/kg	ND	99.6	08/20/13 11:33	
Benzene	ug/kg	ND	5.0	08/20/13 11:33	
Bromobenzene	ug/kg	ND	5.0	08/20/13 11:33	
Bromochloromethane	ug/kg	ND	5.0	08/20/13 11:33	
Bromodichloromethane	ug/kg	ND	5.0	08/20/13 11:33	
Bromoform	ug/kg	ND	5.0	08/20/13 11:33	
Bromomethane	ug/kg	ND	10	08/20/13 11:33	
Carbon tetrachloride	ug/kg	ND	5.0	08/20/13 11:33	
Chlorobenzene	ug/kg	ND	5.0	08/20/13 11:33	
Chloroethane	ug/kg	ND	10	08/20/13 11:33	
Chloroform	ug/kg	ND	5.0	08/20/13 11:33	
Chloromethane	ug/kg	ND	10	08/20/13 11:33	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	08/20/13 11:33	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	08/20/13 11:33	
Dibromochloromethane	ug/kg	ND	5.0	08/20/13 11:33	
Dibromomethane	ug/kg	ND	5.0	08/20/13 11:33	
Dichlorodifluoromethane	ug/kg	ND	10	08/20/13 11:33	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

METHOD BLANK: 1032043 Matrix: Solid

Associated Lab Samples: 92168523013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	ND	5.0	08/20/13 11:33	
Ethylbenzene	ug/kg	ND	5.0	08/20/13 11:33	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	08/20/13 11:33	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	08/20/13 11:33	
m&p-Xylene	ug/kg	ND	10	08/20/13 11:33	
Methyl-tert-butyl ether	ug/kg	ND	5.0	08/20/13 11:33	
Methylene Chloride	ug/kg	ND	19.9	08/20/13 11:33	
n-Butylbenzene	ug/kg	ND	5.0	08/20/13 11:33	
n-Propylbenzene	ug/kg	ND	5.0	08/20/13 11:33	
Naphthalene	ug/kg	ND	5.0	08/20/13 11:33	
o-Xylene	ug/kg	ND	5.0	08/20/13 11:33	
p-Isopropyltoluene	ug/kg	ND	5.0	08/20/13 11:33	
sec-Butylbenzene	ug/kg	ND	5.0	08/20/13 11:33	
Styrene	ug/kg	ND	5.0	08/20/13 11:33	
tert-Butylbenzene	ug/kg	ND	5.0	08/20/13 11:33	
Tetrachloroethene	ug/kg	ND	5.0	08/20/13 11:33	
Toluene	ug/kg	ND	5.0	08/20/13 11:33	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	08/20/13 11:33	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	08/20/13 11:33	
Trichloroethene	ug/kg	ND	5.0	08/20/13 11:33	
Trichlorofluoromethane	ug/kg	ND	5.0	08/20/13 11:33	
Vinyl acetate	ug/kg	ND	49.8	08/20/13 11:33	
Vinyl chloride	ug/kg	ND	10	08/20/13 11:33	
Xylene (Total)	ug/kg	ND	10	08/20/13 11:33	
1,2-Dichloroethane-d4 (S)	%	86	70-132	08/20/13 11:33	
4-Bromofluorobenzene (S)	%	96	70-130	08/20/13 11:33	
Dibromofluoromethane (S)	%	92	70-130	08/20/13 11:33	
Toluene-d8 (S)	%	101	70-130	08/20/13 11:33	

LABORATORY CONTROL SAMPLE: 1032044

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	53.5	55.5	104	70-131	
1,1,1-Trichloroethane	ug/kg	53.5	53.8	101	70-141	
1,1,2,2-Tetrachloroethane	ug/kg	53.5	60.2	112	70-130	
1,1,2-Trichloroethane	ug/kg	53.5	58.0	108	70-132	
1,1-Dichloroethane	ug/kg	53.5	57.4	107	70-143	
1,1-Dichloroethene	ug/kg	53.5	56.8	106	70-137	
1,1-Dichloropropene	ug/kg	53.5	57.1	107	70-135	
1,2,3-Trichlorobenzene	ug/kg	53.5	56.1	105	69-153	
1,2,3-Trichloropropane	ug/kg	53.5	51.3	96	70-130	
1,2,4-Trichlorobenzene	ug/kg	53.5	59.0	110	55-171	
1,2,4-Trimethylbenzene	ug/kg	53.5	58.2	109	70-149	
1,2-Dibromo-3-chloropropane	ug/kg	53.5	48.5	91	68-141	
1,2-Dibromoethane (EDB)	ug/kg	53.5	58.9	110	70-130	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

LABORATORY CONTROL SAMPLE: 1032044

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	53.5	57.4	107	70-140	
1,2-Dichloroethane	ug/kg	53.5	53.2	99	70-137	
1,2-Dichloropropane	ug/kg	53.5	56.5	105	70-133	
1,3,5-Trimethylbenzene	ug/kg	53.5	57.0	107	70-143	
1,3-Dichlorobenzene	ug/kg	53.5	56.7	106	70-144	
1,3-Dichloropropane	ug/kg	53.5	57.0	106	70-132	
1,4-Dichlorobenzene	ug/kg	53.5	56.4	105	70-142	
2,2-Dichloropropane	ug/kg	53.5	54.4	102	68-152	
2-Butanone (MEK)	ug/kg	107	122	114	70-149	
2-Chlorotoluene	ug/kg	53.5	60.2	112	70-141	
2-Hexanone	ug/kg	107	115	108	70-149	
4-Chlorotoluene	ug/kg	53.5	61.3	115	70-149	
4-Methyl-2-pentanone (MIBK)	ug/kg	107	115	107	70-153	
Acetone	ug/kg	107	110	102	70-157	
Benzene	ug/kg	53.5	58.7	110	70-130	
Bromobenzene	ug/kg	53.5	57.2	107	70-141	
Bromochloromethane	ug/kg	53.5	54.2	101	70-149	
Bromodichloromethane	ug/kg	53.5	52.1	97	70-130	
Bromoform	ug/kg	53.5	50.0	93	70-131	
Bromomethane	ug/kg	53.5	58.5	109	64-136	
Carbon tetrachloride	ug/kg	53.5	48.0	90	70-154	
Chlorobenzene	ug/kg	53.5	57.6	108	70-135	
Chloroethane	ug/kg	53.5	56.3	105	68-151	
Chloroform	ug/kg	53.5	55.8	104	70-130	
Chloromethane	ug/kg	53.5	61.6	115	70-132	
cis-1,2-Dichloroethene	ug/kg	53.5	57.7	108	70-140	
cis-1,3-Dichloropropene	ug/kg	53.5	49.5	92	70-137	
Dibromochloromethane	ug/kg	53.5	54.9	102	70-130	
Dibromomethane	ug/kg	53.5	51.5	96	70-136	
Dichlorodifluoromethane	ug/kg	53.5	42.6	80	36-148	
Diisopropyl ether	ug/kg	53.5	65.0	121	70-139	
Ethylbenzene	ug/kg	53.5	61.3	115	70-137	
Hexachloro-1,3-butadiene	ug/kg	53.5	58.5	109	70-145	
Isopropylbenzene (Cumene)	ug/kg	53.5	64.9	121	70-141	
m&p-Xylene	ug/kg	107	125	116	70-140	
Methyl-tert-butyl ether	ug/kg	53.5	62.5	117	45-150	
Methylene Chloride	ug/kg	53.5	66.3	124	70-133	
n-Butylbenzene	ug/kg	53.5	58.8	110	65-155	
n-Propylbenzene	ug/kg	53.5	58.9	110	70-148	
Naphthalene	ug/kg	53.5	59.5	111	70-148	
o-Xylene	ug/kg	53.5	64.0	120	70-141	
p-Isopropyltoluene	ug/kg	53.5	56.6	106	70-148	
sec-Butylbenzene	ug/kg	53.5	57.9	108	70-145	
Styrene	ug/kg	53.5	62.3	116	70-138	
tert-Butylbenzene	ug/kg	53.5	60.5	113	70-143	
Tetrachloroethene	ug/kg	53.5	60.3	113	70-140	
Toluene	ug/kg	53.5	58.8	110	70-130	
trans-1,2-Dichloroethene	ug/kg	53.5	57.4	107	70-136	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

LABORATORY CONTROL SAMPLE: 1032044

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/kg	53.5	48.6	91	70-138	
Trichloroethene	ug/kg	53.5	53.3	100	70-132	
Trichlorofluoromethane	ug/kg	53.5	49.2	92	69-134	
Vinyl acetate	ug/kg	107	128	119	24-161	
Vinyl chloride	ug/kg	53.5	52.2	97	55-140	
Xylene (Total)	ug/kg	161	189	117	70-141	
1,2-Dichloroethane-d4 (S)	%			95	70-132	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			101	70-130	
Toluene-d8 (S)	%			101	70-130	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

QC Batch: OEXT/23428
QC Batch Method: EPA 3546
Analysis Method: EPA 8015 Modified
Analysis Description: 8015 Solid GCSV
Associated Lab Samples: 92168523014

METHOD BLANK: 1028346
Matrix: Solid
Associated Lab Samples: 92168523014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/kg	ND	5.0	08/14/13 16:16	
n-Pentacosane (S)	%	86	41-119	08/14/13 16:16	

LABORATORY CONTROL SAMPLE: 1028347

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Components	mg/kg	66.7	55.2	83	49-113	
n-Pentacosane (S)	%			92	41-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1028348 1028349

Parameter	Units	92168580001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Diesel Components	mg/kg	ND	95.7	95.7	65.4	57.5	66	58	10-146	13	
n-Pentacosane (S)	%						84	84	41-119		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

QC Batch: OEXT/23431 — Analysis Method: EPA 8270
QC Batch Method: EPA 3546 — Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 92168523001, 92168523002, 92168523003, 92168523004, 92168523005, 92168523006, 92168523007, 92168523008, 92168523009, 92168523010, 92168523011, 92168523012, 92168523013

METHOD BLANK: 1028416 — Matrix: Solid
Associated Lab Samples: 92168523001, 92168523002, 92168523003, 92168523004, 92168523005, 92168523006, 92168523007, 92168523008, 92168523009, 92168523010, 92168523011, 92168523012, 92168523013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	330	08/15/13 15:21	
1,2-Dichlorobenzene	ug/kg	ND	330	08/15/13 15:21	
1,3-Dichlorobenzene	ug/kg	ND	330	08/15/13 15:21	
1,4-Dichlorobenzene	ug/kg	ND	330	08/15/13 15:21	
1-Methylnaphthalene	ug/kg	ND	330	08/15/13 15:21	
2,4,5-Trichlorophenol	ug/kg	ND	330	08/15/13 15:21	
2,4,6-Trichlorophenol	ug/kg	ND	330	08/15/13 15:21	
2,4-Dichlorophenol	ug/kg	ND	330	08/15/13 15:21	
2,4-Dimethylphenol	ug/kg	ND	330	08/15/13 15:21	
2,4-Dinitrophenol	ug/kg	ND	1650	08/15/13 15:21	
2,4-Dinitrotoluene	ug/kg	ND	330	08/15/13 15:21	
2,6-Dinitrotoluene	ug/kg	ND	330	08/15/13 15:21	
2-Chloronaphthalene	ug/kg	ND	330	08/15/13 15:21	
2-Chlorophenol	ug/kg	ND	330	08/15/13 15:21	
2-Methylnaphthalene	ug/kg	ND	330	08/15/13 15:21	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	08/15/13 15:21	
2-Nitroaniline	ug/kg	ND	1650	08/15/13 15:21	
2-Nitrophenol	ug/kg	ND	330	08/15/13 15:21	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	330	08/15/13 15:21	
3,3'-Dichlorobenzidine	ug/kg	ND	1650	08/15/13 15:21	
3-Nitroaniline	ug/kg	ND	1650	08/15/13 15:21	
4,6-Dinitro-2-methylphenol	ug/kg	ND	660	08/15/13 15:21	
4-Bromophenylphenyl ether	ug/kg	ND	330	08/15/13 15:21	
4-Chloro-3-methylphenol	ug/kg	ND	660	08/15/13 15:21	
4-Chloroaniline	ug/kg	ND	1650	08/15/13 15:21	
4-Chlorophenylphenyl ether	ug/kg	ND	330	08/15/13 15:21	
4-Nitroaniline	ug/kg	ND	660	08/15/13 15:21	
4-Nitrophenol	ug/kg	ND	1650	08/15/13 15:21	
Acenaphthene	ug/kg	ND	330	08/15/13 15:21	
Acenaphthylene	ug/kg	ND	330	08/15/13 15:21	
Aniline	ug/kg	ND	330	08/15/13 15:21	
Anthracene	ug/kg	ND	330	08/15/13 15:21	
Benzo(a)anthracene	ug/kg	ND	330	08/15/13 15:21	
Benzo(a)pyrene	ug/kg	ND	330	08/15/13 15:21	
Benzo(b)fluoranthene	ug/kg	ND	330	08/15/13 15:21	
Benzo(g,h,i)perylene	ug/kg	ND	330	08/15/13 15:21	
Benzo(k)fluoranthene	ug/kg	ND	330	08/15/13 15:21	
Benzoic Acid	ug/kg	ND	1650	08/15/13 15:21	
Benzyl alcohol	ug/kg	ND	660	08/15/13 15:21	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	08/15/13 15:21	
bis(2-Chloroethyl) ether	ug/kg	ND	330	08/15/13 15:21	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

METHOD BLANK: 1028416 Matrix: Solid

Associated Lab Samples: 92168523001, 92168523002, 92168523003, 92168523004, 92168523005, 92168523006, 92168523007, 92168523008, 92168523009, 92168523010, 92168523011, 92168523012, 92168523013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Chloroisopropyl) ether	ug/kg	ND	330	08/15/13 15:21	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	08/15/13 15:21	
Butylbenzylphthalate	ug/kg	ND	330	08/15/13 15:21	
Chrysene	ug/kg	ND	330	08/15/13 15:21	
Di-n-butylphthalate	ug/kg	ND	330	08/15/13 15:21	
Di-n-octylphthalate	ug/kg	ND	330	08/15/13 15:21	
Dibenz(a,h)anthracene	ug/kg	ND	330	08/15/13 15:21	
Dibenzofuran	ug/kg	ND	330	08/15/13 15:21	
Diethylphthalate	ug/kg	ND	330	08/15/13 15:21	
Dimethylphthalate	ug/kg	ND	330	08/15/13 15:21	
Fluoranthene	ug/kg	ND	330	08/15/13 15:21	
Fluorene	ug/kg	ND	330	08/15/13 15:21	
Hexachloro-1,3-butadiene	ug/kg	ND	330	08/15/13 15:21	
Hexachlorobenzene	ug/kg	ND	330	08/15/13 15:21	
Hexachlorocyclopentadiene	ug/kg	ND	330	08/15/13 15:21	
Hexachloroethane	ug/kg	ND	330	08/15/13 15:21	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	08/15/13 15:21	
Isophorone	ug/kg	ND	330	08/15/13 15:21	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	08/15/13 15:21	
N-Nitrosodimethylamine	ug/kg	ND	330	08/15/13 15:21	
N-Nitrosodiphenylamine	ug/kg	ND	330	08/15/13 15:21	
Naphthalene	ug/kg	ND	330	08/15/13 15:21	
Nitrobenzene	ug/kg	ND	330	08/15/13 15:21	
Pentachlorophenol	ug/kg	ND	1650	08/15/13 15:21	
Phenanthrene	ug/kg	ND	330	08/15/13 15:21	
Phenol	ug/kg	ND	330	08/15/13 15:21	
Pyrene	ug/kg	ND	330	08/15/13 15:21	
2,4,6-Tribromophenol (S)	%	61	27-110	08/15/13 15:21	
2-Fluorobiphenyl (S)	%	63	30-110	08/15/13 15:21	
2-Fluorophenol (S)	%	71	13-110	08/15/13 15:21	
Nitrobenzene-d5 (S)	%	71	23-110	08/15/13 15:21	
Phenol-d6 (S)	%	76	22-110	08/15/13 15:21	
Terphenyl-d14 (S)	%	69	28-110	08/15/13 15:21	

LABORATORY CONTROL SAMPLE: 1028417

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1120	67	39-101	
1,2-Dichlorobenzene	ug/kg	1670	1100	66	36-110	
1,3-Dichlorobenzene	ug/kg	1670	1090	65	35-110	
1,4-Dichlorobenzene	ug/kg	1670	1050	63	35-110	
1-Methylnaphthalene	ug/kg	1670	1170	70	45-105	
2,4,5-Trichlorophenol	ug/kg	1670	922	55	48-109	
2,4,6-Trichlorophenol	ug/kg	1670	994	60	45-111	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

LABORATORY CONTROL SAMPLE: 1028417

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dichlorophenol	ug/kg	1670	1030	62	51-116	
2,4-Dimethylphenol	ug/kg	1670	1130	68	42-103	
2,4-Dinitrophenol	ug/kg	8330	3400	41	28-103	
2,4-Dinitrotoluene	ug/kg	1670	1140	68	46-114	
2,6-Dinitrotoluene	ug/kg	1670	1120	67	48-112	
2-Chloronaphthalene	ug/kg	1670	1010	61	44-105	
2-Chlorophenol	ug/kg	1670	1060	64	36-110	
2-Methylnaphthalene	ug/kg	1670	1050	63	39-112	
2-Methylphenol(o-Cresol)	ug/kg	1670	1190	71	39-101	
2-Nitroaniline	ug/kg	3330	2250	67	44-111	
2-Nitrophenol	ug/kg	1670	1030	62	41-100	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1080	65	43-103	
3,3'-Dichlorobenzidine	ug/kg	3330	2010	60	10-150	
3-Nitroaniline	ug/kg	3330	1810	54	35-110	
4,6-Dinitro-2-methylphenol	ug/kg	3330	1310	39	38-118	
4-Bromophenylphenyl ether	ug/kg	1670	906	54	47-115	
4-Chloro-3-methylphenol	ug/kg	3330	2300	69	43-127	
4-Chloroaniline	ug/kg	3330	1960	59	34-109	
4-Chlorophenylphenyl ether	ug/kg	1670	858	51	44-115	
4-Nitroaniline	ug/kg	3330	1810	54	37-111	
4-Nitrophenol	ug/kg	8330	5050	61	21-152	
Acenaphthene	ug/kg	1670	1070	64	38-117	
Acenaphthylene	ug/kg	1670	1050	63	46-107	
Aniline	ug/kg	1670	1030	62	29-110	
Anthracene	ug/kg	1670	1240	74	50-110	
Benzo(a)anthracene	ug/kg	1670	1110	67	47-116	
Benzo(a)pyrene	ug/kg	1670	1150	69	47-106	
Benzo(b)fluoranthene	ug/kg	1670	1140	68	47-109	
Benzo(g,h,i)perylene	ug/kg	1670	1090	65	39-115	
Benzo(k)fluoranthene	ug/kg	1670	1130	68	45-117	
Benzoic Acid	ug/kg	8330	4620	55	16-110	
Benzyl alcohol	ug/kg	3330	2090	63	38-105	
bis(2-Chloroethoxy)methane	ug/kg	1670	825	50	39-110	
bis(2-Chloroethyl) ether	ug/kg	1670	901	54	19-119	
bis(2-Chloroisopropyl) ether	ug/kg	1670	891	53	21-110	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1210	72	35-116	
Butylbenzylphthalate	ug/kg	1670	1130	68	38-110	
Chrysene	ug/kg	1670	1170	70	49-110	
Di-n-butylphthalate	ug/kg	1670	1200	72	43-109	
Di-n-octylphthalate	ug/kg	1670	1270	76	37-109	
Dibenz(a,h)anthracene	ug/kg	1670	1160	70	43-116	
Dibenzofuran	ug/kg	1670	909	55	45-106	
Diethylphthalate	ug/kg	1670	1150	69	41-114	
Dimethylphthalate	ug/kg	1670	1140	69	43-110	
Fluoranthene	ug/kg	1670	1180	71	50-114	
Fluorene	ug/kg	1670	1110	67	46-114	
Hexachloro-1,3-butadiene	ug/kg	1670	1090	65	28-111	
Hexachlorobenzene	ug/kg	1670	1090	65	46-120	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

LABORATORY CONTROL SAMPLE: 1028417

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorocyclopentadiene	ug/kg	1670	651	39	18-119	
Hexachloroethane	ug/kg	1670	1060	63	33-110	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1100	66	42-115	
Isophorone	ug/kg	1670	1210	73	44-109	
N-Nitroso-di-n-propylamine	ug/kg	1670	1160	70	43-104	
N-Nitrosodimethylamine	ug/kg	1670	910	55	29-110	
N-Nitrosodiphenylamine	ug/kg	1670	1020	61	48-113	
Naphthalene	ug/kg	1670	1140	68	41-110	
Nitrobenzene	ug/kg	1670	1140	68	38-110	
Pentachlorophenol	ug/kg	3330	1980	59	32-128	
Phenanthrene	ug/kg	1670	1180	71	50-110	
Phenol	ug/kg	1670	1130	68	28-106	
Pyrene	ug/kg	1670	1100	66	45-114	
2,4,6-Tribromophenol (S)	%			62	27-110	
2-Fluorobiphenyl (S)	%			60	30-110	
2-Fluorophenol (S)	%			65	13-110	
Nitrobenzene-d5 (S)	%			66	23-110	
Phenol-d6 (S)	%			71	22-110	
Terphenyl-d14 (S)	%			62	28-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1028418 1028419

Parameter	Units	92168523009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	2060	2060	1350	1410	65	69	18-119	5	
1,2-Dichlorobenzene	ug/kg	ND	2060	2060	1350	1350	66	66	50-110	0	
1,3-Dichlorobenzene	ug/kg	ND	2060	2060	1320	1330	64	65	27-110	1	
1,4-Dichlorobenzene	ug/kg	ND	2060	2060	1250	1300	61	63	28-110	4	
1-Methylnaphthalene	ug/kg	ND	2060	2060	1490	1520	70	71	24-116	2	
2,4,5-Trichlorophenol	ug/kg	ND	2060	2060	1360	1390	66	67	28-110	2	
2,4,6-Trichlorophenol	ug/kg	ND	2060	2060	1340	1370	65	66	17-117	2	
2,4-Dichlorophenol	ug/kg	ND	2060	2060	1510	1460	73	71	21-128	3	
2,4-Dimethylphenol	ug/kg	ND	2060	2060	1420	1420	69	69	10-120	0	
2,4-Dinitrophenol	ug/kg	ND	10300	10300	ND	1930J	0	19	10-107		M0
2,4-Dinitrotoluene	ug/kg	ND	2060	2060	378J	653	18	32	36-109		M0
2,6-Dinitrotoluene	ug/kg	ND	2060	2060	528	614	26	30	32-110	15	M0
2-Chloronaphthalene	ug/kg	ND	2060	2060	1190	1240	58	60	30-107	4	
2-Chlorophenol	ug/kg	ND	2060	2060	1350	1350	66	66	14-106	0	
2-Methylnaphthalene	ug/kg	ND	2060	2060	1290	1320	63	64	10-135	3	
2-Methylphenol(o-Cresol)	ug/kg	ND	2060	2060	1480	1550	72	75	10-124	5	
2-Nitroaniline	ug/kg	ND	4110	4110	1230J	2110	30	51	26-116		
2-Nitrophenol	ug/kg	ND	2060	2060	322J	412	16	20	28-103		M0
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	2060	2060	1390	1410	68	69	10-109	1	
3,3'-Dichlorobenzidine	ug/kg	ND	4110	4110	2040	2080	50	51	10-150	2	
3-Nitroaniline	ug/kg	ND	4110	4110	1470J	1860J	36	45	22-110		
4,6-Dinitro-2-methylphenol	ug/kg	ND	4110	4110	ND	383J	0	9	13-121		M0

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1028418 1028419

Parameter	Units	92168523009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
4-Bromophenylphenyl ether	ug/kg	ND	2060	2060	1060	1020	51	50	31-109	3	
4-Chloro-3-methylphenol	ug/kg	ND	4110	4110	3540	3250	86	79	13-128	8	
4-Chloroaniline	ug/kg	ND	4110	4110	2520	2490	61	61	18-102	1	
4-Chlorophenylphenyl ether	ug/kg	ND	2060	2060	995	1080	48	53	29-112	9	
4-Nitroaniline	ug/kg	ND	4110	4110	1630	2310	40	56	16-111	35	R1
4-Nitrophenol	ug/kg	ND	10300	10300	2900	5250	28	51	14-135	58	R1
Acenaphthene	ug/kg	ND	2060	2060	1290	1360	63	66	26-114	6	
Acenaphthylene	ug/kg	ND	2060	2060	1200	1290	58	63	32-108	7	
Aniline	ug/kg	ND	2060	2060	991	1010	48	49	10-107	2	
Anthracene	ug/kg	ND	2060	2060	1620	1540	79	75	32-111	5	
Benzo(a)anthracene	ug/kg	ND	2060	2060	1260	1300	61	63	25-117	3	
Benzo(a)pyrene	ug/kg	ND	2060	2060	1250	1230	61	60	25-106	1	
Benzo(b)fluoranthene	ug/kg	ND	2060	2060	1240	1210	60	59	24-110	3	
Benzo(g,h,i)perylene	ug/kg	ND	2060	2060	1250	1240	61	60	19-112	1	
Benzo(k)fluoranthene	ug/kg	ND	2060	2060	1170	1180	57	58	24-114	1	
Benzoic Acid	ug/kg	ND	10300	10300	1740J	2000J	17	19	10-110		
Benzyl alcohol	ug/kg	ND	4110	4110	2500	2550	61	62	24-106	2	
bis(2-Chloroethoxy)methane	ug/kg	ND	2060	2060	1020	1020	50	50	13-119	0	
bis(2-Chloroethyl) ether	ug/kg	ND	2060	2060	1150	1170	56	57	10-134	2	
bis(2-Chloroisopropyl) ether	ug/kg	ND	2060	2060	1070	1120	52	54	10-113	4	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	2060	2060	1500	1510	73	73	10-125	1	
Butylbenzylphthalate	ug/kg	ND	2060	2060	1460	1430	71	69	18-110	2	
Chrysene	ug/kg	ND	2060	2060	1340	1380	65	67	30-110	3	
Di-n-butylphthalate	ug/kg	ND	2060	2060	1460	1470	71	72	19-112	1	
Di-n-octylphthalate	ug/kg	ND	2060	2060	1470	1500	71	73	17-105	2	
Dibenz(a,h)anthracene	ug/kg	ND	2060	2060	1330	1360	65	66	23-111	2	
Dibenzofuran	ug/kg	ND	2060	2060	1090	1160	53	56	35-103	6	
Diethylphthalate	ug/kg	ND	2060	2060	1340	1500	65	73	27-113	11	
Dimethylphthalate	ug/kg	ND	2060	2060	1240	1340	61	65	26-111	8	
Fluoranthene	ug/kg	ND	2060	2060	1530	1560	74	76	33-109	3	
Fluorene	ug/kg	ND	2060	2060	1390	1500	65	70	32-113	8	
Hexachloro-1,3-butadiene	ug/kg	ND	2060	2060	1340	1350	65	66	16-116	0	
Hexachlorobenzene	ug/kg	ND	2060	2060	1280	1250	62	61	27-120	2	
Hexachlorocyclopentadiene	ug/kg	ND	2060	2060	406J	493	20	24	10-108		
Hexachloroethane	ug/kg	ND	2060	2060	1060	1140	52	55	10-117	7	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	2060	2060	1250	1240	61	60	10-122	1	
Isophorone	ug/kg	ND	2060	2060	1470	1510	72	74	28-114	2	
N-Nitroso-di-n-propylamine	ug/kg	ND	2060	2060	1470	1460	71	71	27-113	0	
N-Nitrosodimethylamine	ug/kg	ND	2060	2060	1060	1060	52	52	10-109	0	
N-Nitrosodiphenylamine	ug/kg	ND	2060	2060	1670	1460	81	71	10-128	13	
Naphthalene	ug/kg	ND	2060	2060	1420	1460	69	71	25-110	3	
Nitrobenzene	ug/kg	ND	2060	2060	1300	1290	63	63	18-114	1	
Pentachlorophenol	ug/kg	ND	4110	4110	1580J	1320J	39	32	10-122		
Phenanthrene	ug/kg	ND	2060	2060	1670	1610	73	70	30-114	3	
Phenol	ug/kg	ND	2060	2060	1350	1370	66	67	11-102	1	
Pyrene	ug/kg	ND	2060	2060	1570	1450	74	68	25-116	8	
2,4,6-Tribromophenol (S)	%						60	60	27-110		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1028418 1028419

Parameter	Units	92168523009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
2-Fluorobiphenyl (S)	%						54	56	30-110		
2-Fluorophenol (S)	%						64	64	13-110		
Nitrobenzene-d5 (S)	%						60	64	23-110		
Phenol-d6 (S)	%						71	72	22-110		
Terphenyl-d14 (S)	%						67	61	28-110		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

QC Batch: PMST/5764
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92168523001, 92168523002

SAMPLE DUPLICATE: 1029417

Parameter	Units	92168637001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	14.2	14.2	0	

SAMPLE DUPLICATE: 1029418

Parameter	Units	92168523002 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	18.1	19.0	5	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

QC Batch: PMST/5765
Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92168523003, 92168523004, 92168523005, 92168523006, 92168523007, 92168523008, 92168523009, 92168523010, 92168523011, 92168523012, 92168523013, 92168523014

SAMPLE DUPLICATE: 1029419

Parameter	Units	92168523003 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	13.9	13.2	5	

SAMPLE DUPLICATE: 1029420

Parameter	Units	92168827001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	95.3	95.7	0	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

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.

PRL - Pace Reporting Limit.

RL - Reporting 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.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

TNI - The NELAC Institute.

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92168523014	**DS-7**	EPA 3546	OEXT/23428	EPA 8015 Modified	GCSV/15304
92168523014	**DS-7**	EPA 5035A/5030B	GCV/7210	EPA 8015 Modified	GCV/7212
92168523001	**DB-1**	EPA 3546	OEXT/23431	EPA 8270	MSSV/8080
92168523002	**DB-2**	EPA 3546	OEXT/23431	EPA 8270	MSSV/8080
92168523003	**DB-3**	EPA 3546	OEXT/23431	EPA 8270	MSSV/8080
92168523004	**DB-4**	EPA 3546	OEXT/23431	EPA 8270	MSSV/8080
92168523005	**DB-5**	EPA 3546	OEXT/23431	EPA 8270	MSSV/8080
92168523006	**DB-6**	EPA 3546	OEXT/23431	EPA 8270	MSSV/8080
92168523007	**DB-7**	EPA 3546	OEXT/23431	EPA 8270	MSSV/8080
92168523008	**LR-NORTH**	EPA 3546	OEXT/23431	EPA 8270	MSSV/8080
92168523009	**LR-WEST**	EPA 3546	OEXT/23431	EPA 8270	MSSV/8080
92168523010	**LR-SOUTH**	EPA 3546	OEXT/23431	EPA 8270	MSSV/8080
92168523011	**LR-EAST**	EPA 3546	OEXT/23431	EPA 8270	MSSV/8080
92168523012	**LR-CENTER**	EPA 3546	OEXT/23431	EPA 8270	MSSV/8080
92168523013	**DUPLICATE**	EPA 3546	OEXT/23431	EPA 8270	MSSV/8080
92168523001	**DB-1**	EPA 8260	MSV/23957		
92168523002	**DB-2**	EPA 8260	MSV/23957		
92168523003	**DB-3**	EPA 8260	MSV/23957		
92168523004	**DB-4**	EPA 8260	MSV/23958		
92168523005	**DB-5**	EPA 8260	MSV/23958		
92168523006	**DB-6**	EPA 8260	MSV/23977		
92168523007	**DB-7**	EPA 8260	MSV/23958		
92168523008	**LR-NORTH**	EPA 8260	MSV/23958		
92168523009	**LR-WEST**	EPA 8260	MSV/23977		
92168523010	**LR-SOUTH**	EPA 8260	MSV/23977		
92168523011	**LR-EAST**	EPA 8260	MSV/23977		
92168523012	**LR-CENTER**	EPA 8260	MSV/23977		
92168523013	**DUPLICATE**	EPA 8260	MSV/23985		
92168523001	**DB-1**	ASTM D2974-87	PMST/5764		
92168523002	**DB-2**	ASTM D2974-87	PMST/5764		
92168523003	**DB-3**	ASTM D2974-87	PMST/5765		
92168523004	**DB-4**	ASTM D2974-87	PMST/5765		
92168523005	**DB-5**	ASTM D2974-87	PMST/5765		
92168523006	**DB-6**	ASTM D2974-87	PMST/5765		
92168523007	**DB-7**	ASTM D2974-87	PMST/5765		
92168523008	**LR-NORTH**	ASTM D2974-87	PMST/5765		
92168523009	**LR-WEST**	ASTM D2974-87	PMST/5765		
92168523010	**LR-SOUTH**	ASTM D2974-87	PMST/5765		
92168523011	**LR-EAST**	ASTM D2974-87	PMST/5765		
92168523012	**LR-CENTER**	ASTM D2974-87	PMST/5765		
92168523013	**DUPLICATE**	ASTM D2974-87	PMST/5765		
92168523014	**DS-7**	ASTM D2974-87	PMST/5765		

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

Pace Analytical	Sample Condition Upon Receipt (SCUR)	Page 1 of 2
	Document Number: F-CHR-CS-03-rev.11	Issuing Authority: Pace Huntersville Quality Office

Client Name: Pyramid Emains

Where Received: ☑ Huntersville ☐ Asheville ☐ Eden ☐ Raleigh

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 T1102 T1301 **Type of Ice:** Wet Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor **T1102**: No Correction **T1301**: No Correction

Corrected Cooler Temp.: 3.6 C **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C

Date and Initials of person examining contents: ZW 8/13/13

Optional
Proj. Due Date:
Proj. Name:

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

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

Person Contacted: Mike Jones Date/Time: 8/14/13

Comments/ Resolution: Mike informed DS-7 was collected on 8/9/13.RG.

SCURF Review: JG **Date:** 8/13/13

SRF Review: JG **Date:** 8/14/13

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)

WO#: 92168523

92168523

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 2

1690884

Section A Required Client Information:

Company: Pyramid Enviro
Address: 503 Industrial Ave
GSBO, NC 27406
Email To:
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Pyramid
Copy To: NA
Purchase Order No.:
Project Name: Carrboro AST Area
Project Number: 2013-169

Section C Invoice Information:

Attention: Mike Jones
Company Name: Pyramid
Address: same
Pace Quote Reference:
Pace Project Manager: Kevin Godwin
Pace Profile #: 2982-1

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☑ OTHER BFP

Site Location STATE: NC

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N): 8260, 8270

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test 8260	Analysis Test 8270	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	DB-1	SL	G	8/9/13	11:00				5	2					2	1		X	X		92168523
2	DB-2	SL	G	8/9/13	11:15				5	2					2	1		X	X		001
3	DB-3	SL	G	8/9/13	11:30				5	2					2	1		X	X		002
4	DB-4	SL	G	8/9/13	11:45				5	2					2	1		X	X		003
5	DB-5	SL	G	8/9/13	12:00				5	2					2	1		X	X		004
6	DB-6	SL	G	8/9/13	13:30				5	2					2	1		X	X		005
7	DB-7	SL	G	8/9/13	13:45				5	2					2	1		X	X		006
8	LR-NORTH	SL	G	8/9/13	14:00				5	2					2	1		X	X		007
9	LR-WEST	SL	G	8/9/13	14:20				5	2					2	1		X	X		008
10	LR-SOUTH	SL	G	8/9/13	14:40				5	2					2	1		X	X		009
11	LR-EAST	SL	G	8/9/13	16:00				5	2					2	1		X	X		010
12	LR-CENTER	SL	G	8/9/13	16:15				5	2					2	1		X	X		011
																					012

TRUST FUND RATES

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Michael Jones	8/9/13	19:30	[signature]	8-13-13	12:15				
	[signature]	8-13-13	14:15	Erik Place	8/13/13	14:15	3.6	Y	N	Y
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: MICHAEL JONES

SIGNATURE of SAMPLER: Michael Jones DATE Signed (MM/DD/YY): 08/09/13

ORIGINAL

*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.

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 2

1690885

Section A Required Client Information:

Company: Pyramid Enviro
Address: 503 Industrial Ave Gibsonville, NC 27406
Email To:
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Pyramid Enviro
Copy To: — NA —
Purchase Order No.:
Project Name: Carrboro AST Area
Project Number: 2013-169

Section C Invoice Information:

Attention: Mike Jones
Company Name: Pyramid
Address: same
Pace Quote Reference:
Pace Project Manager: Kevin Godwin
Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☑ OTHER BFP

Site Location STATE: NC

Requested Analysis Filtered (Y/N)

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	GRO	DRO	8260	8270	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	DS-7	SL	C	7/9/13	08:30	7/9/13	1400		4	2						2			X	X				014 DH RG 8/14/13
2																								
3	DUPLICATE			08/09/13			17:00		5	2						2	1				X	X		023
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

TRUST FUND RATES

92168523

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Michael Jones	08/09/13	19:30	[signature]	8/13/13	12:15				
	[signature]	8-13-13	14:15	[signature]	8/13/13	14:15	3.6	Y	N	Y

SAMPLER NAME AND SIGNATURE

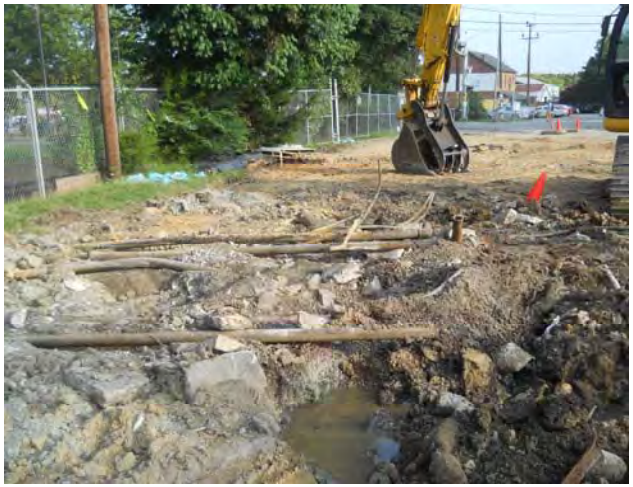
PRINT Name of SAMPLER: MICHAEL JONES

SIGNATURE of SAMPLER: Michael Jones DATE Signed (MM/DD/YY): 08/09/13

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

*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.



KOBELCO

KOBELCO

KOBELCO

KOBELCO
KOBELCO
SK210

53'

Soil Volumes For AST - Loading Rack & Duct Bank

Main Street Properties of Carrboro, LLC
Don Christian Property -206 E. Main Street

Brownfields Program - AST Area

LOAD NUMBER	Date hauled	AST AREA	Tons	
13072	*9-Aug*	AST Area	20.25	
13073	*9-Aug*	AST Area	21.87	
13074	*9-Aug*	AST Area	28.11	
13075	*9-Aug*	AST Area	22.90	
13076	*9-Aug*	AST Area	25.88	
13077	*9-Aug*	AST Area	27.14	
13078	*9-Aug*	AST Area	21.50	
13079	*9-Aug*	AST Area	26.47	
13080	*9-Aug*	AST Area	23.84	
				AST Total Tons
				217.96
		Total Tons Removed - AST Areas =	**217.96**	

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

This Shipping Order must be legibly filled in, in Ink Indelible Pencil, or in Carbon, and retained by the agent.

Shipper No. _____

Page 1 of 1 — Don Philips Trucking (Name of carrier) (SCAC) — Carrier No. 13072

Date 8-9-13

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

TO:
Consignee: EarthTec
Street:
City: Bear Creek State: NC Zip Code:

FROM:
Shipper: Main Street Properties
Street: 205 E Main St
City: Carrboro State: NC Zip Code:
24 hr. Emergency Contact Tel. No.:

Route: Vehicle Number:

No. of Units & Container Type	HM	BASIC DESCRIPTION: Proper Shipping Name, Hazard Class, UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
01 DT		Petroleum Contaminated Soil	18	T		
		NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2014 ROBERT LEE 38029 INVALID UNLESS SIGNED				
			951 TO. NO.			
		TRK DV-04	67040 lb GR 26540 lb TR RECALLED 40500 lb NT			

PLACARDS TENDERED: YES ☐ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Signature _____

REMIT C.O.D. TO: ADDRESS 08/09/13 09:57 20.25 Ton

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES: FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Main Street Properties
PF Philip Jones / Pyramid
8-9-13

CARRIER [signature]
PER [signature]
DATE 8-9-13

2

Permanent post-office address of shipper.
[signature] 8-9-13

PRINTED ON RECYCLED PAPER USING SOYSEAL INK — PRINTED WITH SOY INK

STYLE F360-3 © 2003 LABELMASTER® (800) 621-5808 www.labelmaster.com

This Shipping Order must be legibly filled in, in Ink Indelible Pencil, or in Carbon, and retained by the agent

Shipper No. _____

Page 1 of 1 Don Philips Trucking (Name of carrier) (SCAC)

Carrier No. 13073

Date 8-9-13

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. I.

TO:
Consignee EarthTec
Street
City Bear Creek State NC Zip Code

FROM:
Shipper Main Street Properties
Street 205 E Main St.
City Carrboro State NC Zip Code
24 hr. Emergency Contact Tel. No.

Route

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class or UN or NA Number, Proper Shipping Name, UN or NA Number, Packing Group or Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
81 DT		Petroleum Contaminated Soil	18	T		
		From AST Area				
		NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2014 ROBERT LEE 38029 INVALID UNLESS SIGNED	1	ID- NO.		
			72200	lb GR		
			28460	lb TA RECALLED		
			43740	lb NT		
			08/09/13	10:00		2187.0

PLACARDS TENDERED: YES ☐ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____"
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Main Street Properties
P Michael Jones / Pyramid

CARRIER
PER Richard Blatty EV-002
DATE

Permanent post-office address of shipper.
Robert Lee 8-9-13

PRINTED ON RECYCLED PAPER USING SOYBEAN INK

STYLE F360-3 © 2003 LABELMASTER® (800) 621-5808 www.labelmaster.com

This Shipping Order must be legibly filled in, in Ink Indelible Pencil, or in Carbon, and retained by the agent

Shipper No.

Page 1 of 1

Don Philip's Trucking
(Name of carrier) (SCAC)

Carrier No. 13074

Date 8-9-13

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

TO:
Consignee Earthtec
Street
City Bear Creek State NC Zip Code

FROM:
Shipper Main Street Properties
Street 205 E Main St.
City Carrboro State NC Zip Code
24 hr. Emergency Contact Tel. No.

Route

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class, UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
01 DT		Petroleum Contaminated Soil	18	T		
		From AST Area				
		NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2014 ROBERT LEE 38029 INVALID UNLESS SIGNED	94 lb. HD. 93040 lb GR 36920 lb TR RECALLED 56320 lb NT 08/09/13 10:24			

PLACARDS TENDERED: YES ☐ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____"
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Signature

REMIT C.O.D. TO:
ADDRESS

8.8.11 TON

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Main Str. Properties
PER Michael Jones Dynamic
8-9-13

CARRIER
PER
DATE 8-9-13

2

Permanent post-office address of shipper.

PRINTED ON RECYCLED PAPER USING SOY INK
STYLE F360-3 © 2003 LABELMASTER® (800) 621-5808 www.labelmaster.com

This Shipping Order must be legibly filled in, in Ink Indelible Pencil, or in Carbon, and retained by the agent

Shipper No.

Carrier No. 13075

Page 1 of 1

Don Philip's Trucking (Name of carrier) (SCAC)

Date 8-9-13

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO:
Consignee EarthTec, LLC
Street
City Bear Creek State NC Zip Code

FROM:
Shipper Main Street Properties
Street 205 E Main St.
City Carrboro State NC Zip Code
24 hr. Emergency Contact Tel. No.

Route

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class or UN or NA Number, Packing Group / UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
01 DT		Petroleum Contaminated Soil	18	T		
			951	lb. NO.		
			72340	lb GR		
			26540	lb TR RECALLED		
			45800	lb NT		

NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2014 JOE F. HOLDER 31798 INVALID UNLESS SIGNED

PLACARDS TENDERED: YES ☐ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____"
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Signature

REMIT C.O.D. TO: ADDRESS

08/09/13 12:00

22.90

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Main Str. Properties
Michael Jones, Manager
8-9-13

CARRIER DY-04
PER
DATE 8-9-13

2

Permanent post-office address of shipper.

PRINTED ON RECYCLED PAPER USING SOYBEAN INK SOY INK STYLE F350-3 © 2003 LABELMASTER® (800) 621-5808 www.labelmaster.com

This Shipping Order must be legibly filled in, in Ink indelible Pencil, or in Carbon, and retained by the agent

Shipper No.

Page 1 of 1 Don Philip Trucking (Name of carrier) (SCAC)

Carrier No. 13076

Date 8-9-13

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

TO:
Consignee EarthTec, LLC
Street
City Bear Creek State NC Zip Code

FROM:
Shipper Main Street Properties
Street 205 E Main St.
City Carrboro State NC Zip Code
24 hr. Emergency Contact Tel. No.

Route

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class, UN or NA Number, Packing Group or Proper Shipping Name, UN or NA Number, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
01 DT		Petroleum Contaminated Soil	18	T		
		From AST Area				
		NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2014 ROBERT LEE 38029 INVALID UNLESS SIGNED		ID. NO.		
		TRK # EV-007	80220 lb GR 28450 lb TR 51760 lb NT	RECALLED		

PLACARDS TENDERED: YES ☐ NO ☐

REMIT C.O.D. TO: ADDRESS

25.88 Ton

COD Amt: $ 08/09/13 12:11

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

TOTAL CHARGES $

FREIGHT CHARGES: FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____"
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release of a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Signature

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Main Street Properties
Michael Jina Pyramid
8-9-13

CARRIER
PER Richard Blakely
DATE 8-9-13

2

Permanent post-office address of shipper.

PRINTED ON RECYCLED PAPER USING SOYBEAN INK PRINTED WITH SOY INK

STYLE F360-3 © 2003 LABELMASTER® (800) 621-5808 www.labelmaster.com

UNIFORM BILL OF LADING
ORIGINAL — NOT NEGOTIABLE

Shipper No. ____

Page 1 of 1 — Don Philip's Trucking (Name of carrier) (SCAC) — Carrier No. 13077 — Date 8-9-13

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 400, Sec. 1.

TO:
Consignee: Earthtec, LLC
Street:
City: Bear Creek State: NC Zip Code:

FROM:
Shipper: Main street Properties
Street: 205 E Main St
City: Carrboro State: NC Zip Code:
24 hr. Emergency Contact Tel. No.:

Route:
Vehicle Number:

No. of Units & Container Type	HM	BASIC DESCRIPTION: Proper Shipping Name, Hazard Class or UN or NA Number, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
01 DT		Petroleum Contaminated Soil	18	T		
		From AST Area				
		NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2014 ROBERT LEE 38029 INVALID UNLESS SIGNED				
		DV-05				27.14 Ton

PLACARDS TENDERED: YES ☐ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national government regulations.

Signature

REMIT C.O.D. TO:
ADDRESS

COD Amt: $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
(Signature of Consignor)

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $
TOTAL CHARGES $
FREIGHT CHARGES: FREIGHT PREPAID ☐ Check box if freight charges are to be collected at destination ☐ Rate by Agreement

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all of any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER: Main Street Properties
PER: Michael Jones / Pyramid
DATE: 8-9-13

CARRIER:
PER:
DATE: 8-9-13

Permanent post-office address of shipper:
Robert L. 8-9-13

STYLE P360-S © 2003 LABELMASTER® (800) 621-5808 www.labelmaster.com

UNIFORM BILL OF LADING

ORIGINAL — NOT NEGOTIABLE

Shipper No. _____

Carrier No. 13078

Page 1 of 1

~~Don Phillips Trucking~~ VAUGHAN DEVELOPMENT (Name of Carrier) (SCAC)

Date 8-9-13

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or be otherwise provided in Item 430, Sec. 1.

TO: Consignee Earthtec, LLC

Street

City Bear Creek State NC Zip Code

FROM: Shipper Main Street Properties

Street 205 E. Main St.

City Carrboro State NC Zip Code

24 hr. Emergency Contact Tel. No.

Route

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
01 DT		Petroleum Contaminated Soil	18	T		
		From AST area				
		~~NORTH CAROLINA~~ PUBLIC WEIGHMASTER ~~LICENSE EXPIRES JUNE 30, 2014~~ ~~ROBERT LEE~~ 38029 INVALID UNLESS SIGNED	[illegible]	[illegible]		
			[illegible]	[illegible]		
			[illegible]	[illegible]		
			[illegible]	[illegible]		21.50 TON

PLACARDS TENDERED: YES ☐ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____"
(2) Where the applicable tariff provides specific limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so packed and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

Signature of Consignor

TOTAL CHARGES $

FREIGHT CHARGES
Freight Prepaid ☐ Collect ☐ Third Party ☐

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the uniform bill of lading in effect on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions of the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Main Street Properties

PER Michael Jones (Rappamid)

8-9-13

CARRIER DV-04

PER [signature]

DATE 8-9-13

Permanent post-office address of shipper.

STYLE F860-3 © 2003 LABELMASTER® (800) 621-5808 www.labelmaster.com

Robert Lee — 8-9-13

This Shipping Order must be legibly filled in, in ink indelible Pencil, or in Carbon, and retained by the agent

Shipper No. _____

Carrier No. 13079

Page 1 of 1 Don Philip's Trucking (Name of carrier) (SCAC) Date 8-9-13

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO: Consignee EarthTec, LLC

Street

City Bear Creek State NC Zip Code

FROM: Shipper Main Street Properties

Street 205 E. Main St.

City Carrboro State NC Zip Code

24 hr. Emergency Contact Tel. No.

Route

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class or UN or NA Number, Proper Shipping Name, UN or NA Number, Packing Group Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
01 DT		Petroleum Contaminated Soil	18	T		
		NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2014 JOE F. HOLDER 31798				
		From A St				
		INVALID UNLESS SIGNED				
			1	ID. NO.		
			31400	lb GR		
			23460	lb TR RECALLED		
		TRK # EV-007	52940	lb NT		

PLACARDS TENDERED: YES ☐ NO ☐

REMIT C.O.D. TO: ADDRESS 08/09/13 14:51 26.47

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $ tons

Note. — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____"
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Signature _____

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES: FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Main Street Properties

PER Michael Jones Pyramid 8-9-13

CARRIER

PER Richard Blakeley

DATE 8-9-13

2

Permanent post-office address of shipper.

PRINTED ON RECYCLED PAPER USING SOY INK

STYLE F360-3 © 2003 LABELMASTER® (800) 621-5808 www.labelmaster.com

UNIFORM BILL OF LADING

ORIGINAL — NOT NEGOTIABLE

Shipper No. _____

Carrier No. 13080

Page 1 of 1

Don Philip's Trucking
(Name of carrier) (SCAC)

Date 8-9-13

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

TO:
Consignee Earthtec, LLC
Street
City Bear Creek State NC Zip Code

FROM:
Shipper Main Street Properties
Street 205 E Main St.
City Carrboro State NC Zip Code
24 hr. Emergency Contact Tel. No.

Route

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
01 DT		Petroleum Contaminated Soil	18	T		
		NORTH CAROLINA PUBLIC WEIGHMASTER				
		From AST area LICENSE EXPIRES JUNE 30, 2014				
		JOE F. HOLDER 31798				
		INVALID UNLESS SIGNED				
		TCK # EV-CD				23.84

PLACARDS TENDERED: YES ☐ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____"
(2) Where the applicable tariff provisions apply a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so packed and marked as to ensure safe transportation. See Section 2(e) of Item 560, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Signature _____

REMIT C.O.D. TO: ADDRESS

tons

COD Amt. $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

Signature of Consignor

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID — Check if charges are to be prepaid in addition to the charges shown in the rate column ☐
COLLECT — Check if charges are to be collected in addition to the charges shown in the rate column ☐

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Main Street Properties
PER Michael Jones (Agent)
8-9-13

CARRIER
PER Richard Blackley
DATE 8-9-13

1

Permanent post-office address of shipper.

STYLE R360-3 © 2003 LABELMASTER® (800) 621-5808 www.labelmaster.com

UST-62 24-Hour Notification of Discharge Form

For Non-UST Releases of Petroleum in NC

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

(DWM USE ONLY)
Incident # _____ Priority Rank (H,I,L,U) _____
Received (time/date) _____
Received by _____ Region _____
Reported by (*circle one*): Phone, Fax or Report

Suspected Contamination? (Y/N) ___
Confirmed GW Contamination? (Y/N) ___
Confirmed Soil Contamination ?(Y/N) ___
Samples taken?(Y/N) ___ Free product? (Y/N) ___
If Yes(free product), state greatest thickness: _____feet

Release discovered (time/date): _____

INCIDENT DESCRIPTION

Incident Name: DON CHRISTIAN PROPERTY

Address (street number/name): 206 E. MAIN STREET | County: ORANGE

City/Town: CARRBORO, NC | Zip Code: 27510 | Regional Office (*circle one*): Asheville, Mooresville, Fayetteville, Raleigh, Washington, Wilmington, Winston-Salem

Latitude (decimal degrees): 35.910443 Longitude (decimal degrees): -79.069364

Obtained by:
- ☐ GPS
- ☐ Electronic topographic map
- ☐ GIS Address matching
- ☑ Other
- ☐ Unknown

Describe location: iTouchmap.com

Describe suspected or confirmed release (*nature of release, time/date of release, quantity of release, amount of free product*):

In 2004 soil and groundwater assessment showed Low Levels of Petroleum Compounds in the AST Area

Describe initial response/abatement (*time/date release stopped, cleanup begun/completed, quantity of product soil removed, confirmation sampling*):

No spills were reported: ASTs @ site since 1920's

Describe impacted receptors: ASTs removed in 1990's

No impacted receptors.

HOW RELEASE WAS DISCOVERED (Release Code)

(*Check one*)

- ☐ Observation of Release at Occurrence
- ☐ Visual or Olfactory Evidence
- ☑ Soil Contamination SOIL SAMPLING (2004)
- ☐ Groundwater Contamination
- ☐ Water Supply Well Contamination
- ☐ Surface Water Contamination
- ☐ Other (specify) _____

ON SITE SHALLOW SOIL SAMPLES IN FEB. 2004.

SOURCE OF CONTAMINATION

Source of Release (*Check one to indicate primary source*)
- ☒ AST (tank)
- ☒ AST Piping/ Dispenser
- ☐ AST Delivery Problem
- ☐ OTR Vehicle Tank
- ☐ OTR Bulk Transport Tank
- ☐ RR Bulk Transport Tank
- ☐ Transformer
- ☐ Unknown
- ☐ Other _____

Definitions presented on reverse

Cause of Release (*Check one to indicate primary cause*)
- ☐ Spill (Accidental)
- ☐ Spill (Intentional)
- ☐ Corrosion
- ☐ Physical or Mechanical Damage
- ☐ Equipment Failure
- ☐ AST Overfill
- ☐ AST Installation Problem
- ☒ Unknown
- ☐ Other _____

Definitions presented on reverse

Type of Release (*Check one*)
- ☒ Petroleum
- ☐ Both Petroleum & Non-Petroleum

Location (*Check one*)
- ☒ Facility
- ☐ Residence
- ☐ Highway/Road
- ☐ Railway
- ☐ Other

Product Type Released (*Check one to indicate primary petroleum product type released*)
- ☒ Gasoline/ Diesel/ Kerosene
- ☐ E11 – E20
- ☐ E21 – E84
- ☐ E85 – E99
- ☐ Ethanol 100%
- ☐ Diesel/Veg. Oil Blend
- ☐ Vegetable Oil 100%
- ☒ Heating Oil
- ☐ Waste Oil
- ☐ Mineral Oil-*no PCBs*
- ☐ Mineral Oil-*PCBs*
- ☐ Other Petroleum Products _____

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

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

Guidance presented on reverse

IMPACT ON DRINKING WATER SUPPLIES

Water Supply Wells Affected? 1. Yes (2. No) 3. Unknown Number of Water Supply Wells Affected -NA-

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

1.
2. NO KNOWN OFFSITE IMPACTS
3.

PARTY RESPONSIBLE FOR RELEASE

(if the source of the release is not an AST system or if it is an AST system and there is a responsible party other than the AST system owner/ operator)

Name of Person/Company DON CHRISTIAN CO., INC		Address 206 E. MAIN STREET	
City CARRBORO	State NC	Zip Code 27510	Telephone Number -NA-

AST SYSTEM OWNER *(if the source of the release is an AST system)*

AST Owner/Company -SAME- DON CHRISTIAN		Address -SAME-	
City	State	Zip Code	Telephone Number

AST SYSTEM OPERATOR *(if the source of the release is an AST system)*

UST Operator/Company -SAME- DON CHRISTIAN		Address -SAME-	
City	State	Zip Code	Telephone Number

LANDOWNER AT LOCATION OF INCIDENT

Landowner MAIN STREET PROPERTIES OF CHAPEL HILL		Address P.O. BOX 2152	
City CHAPEL HILL	State NC	Zip Code 27515	Telephone Number (919) 810-4410

Draw Sketch of Area or Provide Map *(showing incident site, location of release, two major road intersections, potential receptors)*

Attach sketch or map to form.

Give Directions to Incident Site *Attach directions to form if necessary.*

SEE ATTACHED MAPS

Person Reporting Incident Mike Jones	Company Pyramid Environmental	Telephone Number 336-335-3174
Title OPERATIONS MANAGER	Address 503 Industrial Ave Greensboro, NC 27406	Date 8-13-13

Definitions of Sources

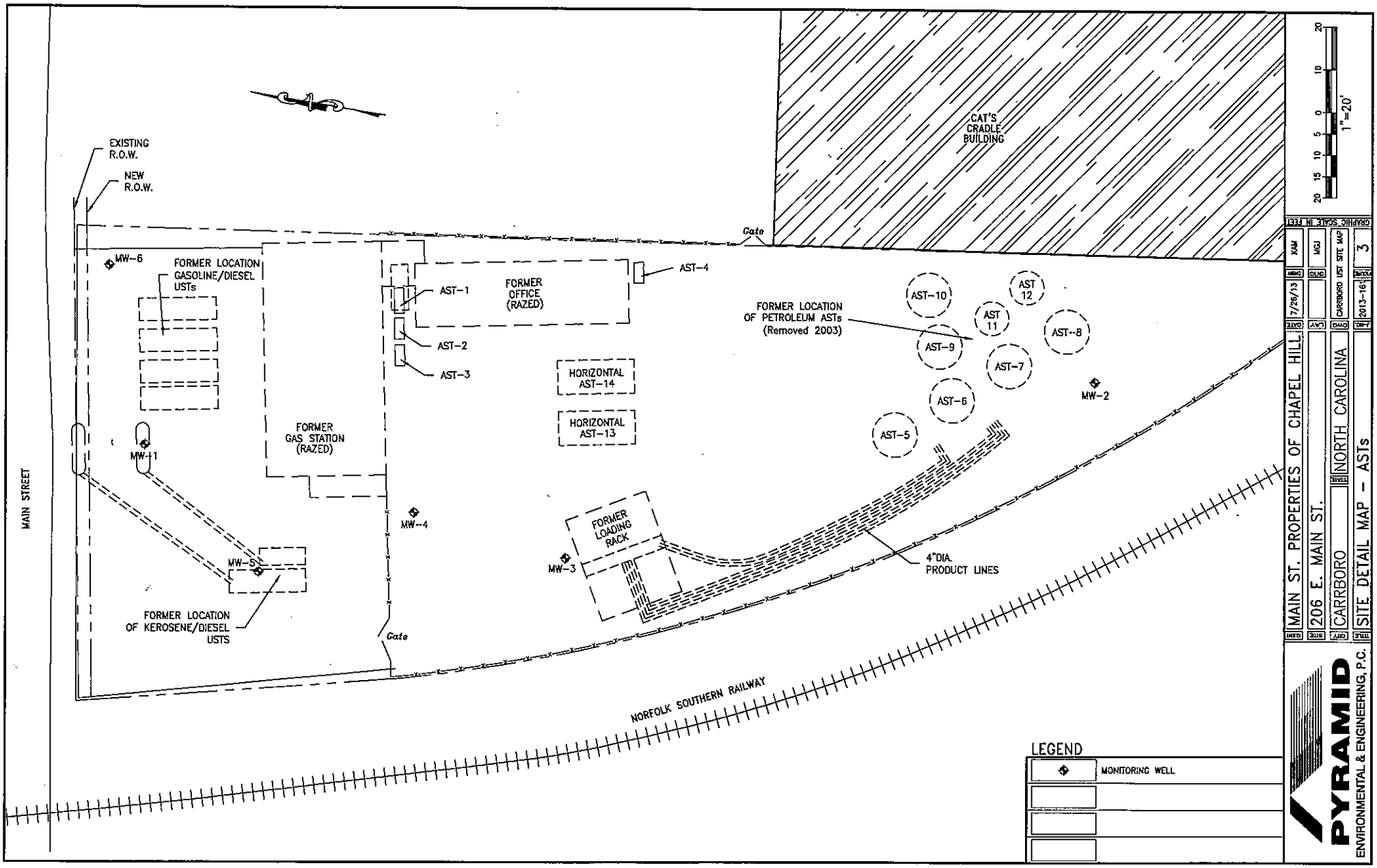
AST (Tank): means the tank is used to store product
AST Piping: means the piping and connectors running from the tank to the dispenser or other end-use equipment
AST Dispenser: includes the dispenser and the equipment used to connect the dispenser to the piping
AST Delivery Problem: identifies releases that occurred during product delivery to the tank.
OTR Vehicle Tank: means the tank is used to store product to fuel an over the road vehicle
OTR Bulk Transport Tank: means a tank that is used to transport product in bulk over the road (by truck)
RR :bulk Transport Tank: means a tank that is used to transport product in bulk by train
Transformer: means electrical transformer
Other: serves as the option to use when the release source is known but does not fit into one of the preceding categories
Unknown: identifies releases for which the source has not been determined

Definitions of Causes

Spill (Accidental): use this cause when a spill occurs accidentally(e.g., when the delivery hose is disconnected from a fill pipe)
Spill (Intentional): use this cause when a spill occurs intentionally (e.g., intentional dumping or breakage)
Corrosion: use when a metal tank, piping, or other component has a release due to corrosion
Physical or Mechanical Damage: use for all types of physical or mechanical damage, except corrosion
Equipment failure: use when a release occurs due to equipment failure other than corrosion or physical or mechanical damage
AST Overfill: use when an overfill occurs (e.g., overfills may occur from the fill pipe at the tank or when the nozzle fails to shut off at the dispenser)
AST Installation Problem: use when the problem is determined to have occurred specifically because the AST system was not installed properly
Other: use this option when the cause is known but does not fit into one of the preceding categories
Unknown: use when the cause has not been determined

Guidance: Ownership and Operator Type

Ownership select the category which describes owner of the AST system, bulk transport tank, or other release source
Operator Type select the category which describes the operation in which owner uses the AST system, bulk transport tank, or other release source


MAIN STREET
EXISTING R.O.W.
NEW R.O.W.
MW-6
FORMER LOCATION GASOLINE/DIESEL USTs
AST-1
AST-2
AST-3
AST-4
FORMER OFFICE (RAZED)
Gate
CAT'S CRADLE BUILDING
FORMER LOCATION OF PETROLEUM ASTs (Removed 2003)
AST-10
AST 12
AST 11
AST-8
AST-9
AST-7
AST-6
AST-5
MW-2
HORIZONTAL AST-14
HORIZONTAL AST-13
FORMER GAS STATION (RAZED)
MW-1
MW-4
FORMER LOADING RACK
MW-3
MW-5
4"DIA. PRODUCT LINES
FORMER LOCATION OF KEROSENE/DIESEL USTS
Gate
NORFOLK SOUTHERN RAILWAY
LEGEND
MONITORING WELL
1"=20'
GRAPHIC SCALE IN FEET
XAM
MGJ
7/26/13
CARRBORO UST SITE MAP
3
2013-161
MAIN ST. PROPERTIES OF CHAPEL HILL
206 E. MAIN ST.
CARRBORO
NORTH CAROLINA
SITE DETAIL MAP - ASTs
PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

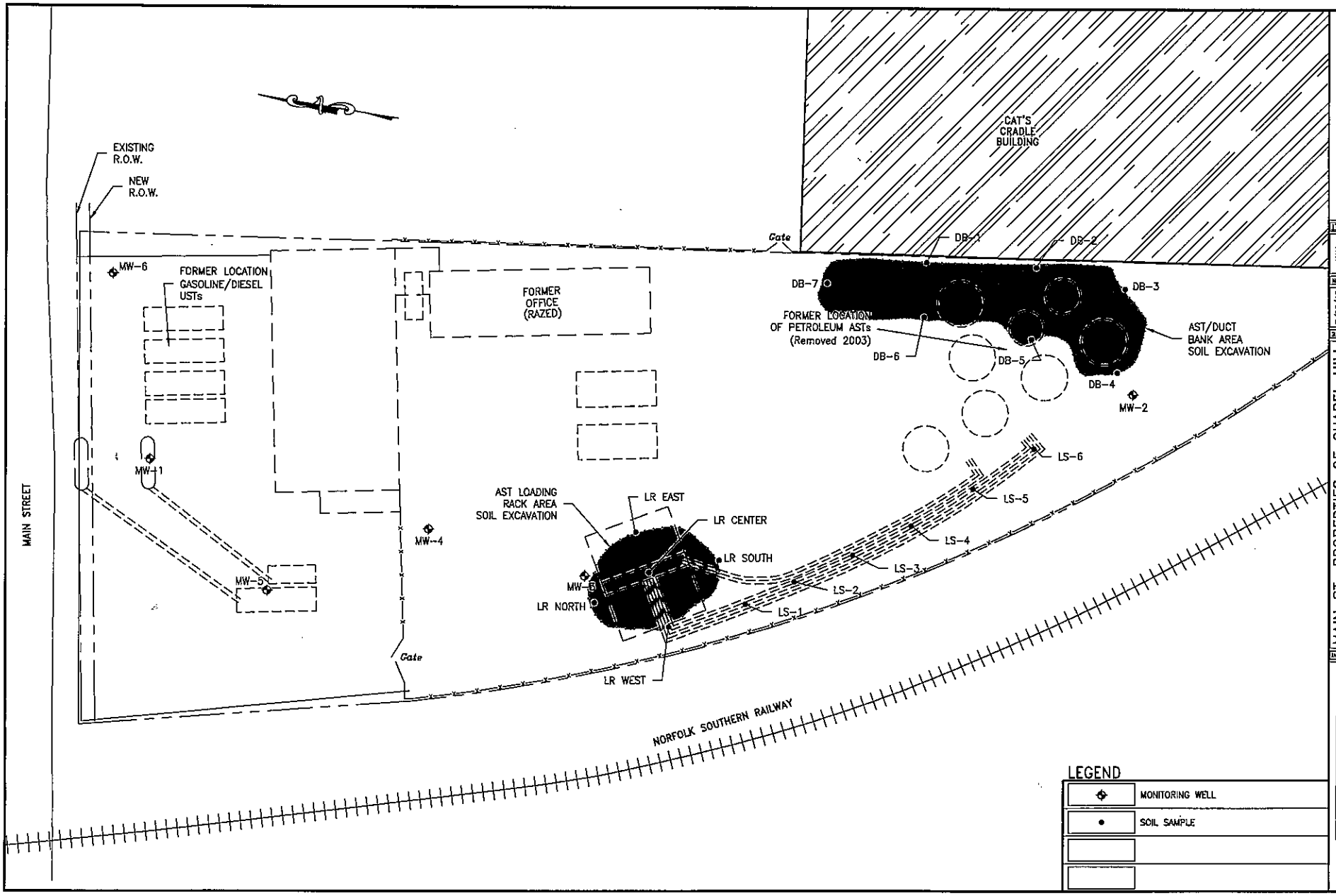

MAIN STREET
EXISTING R.O.W.
NEW R.O.W.
MW-6
FORMER LOCATION GASOLINE/DIESEL USTs
FORMER OFFICE (RAZED)
MW-1
MW-4
MW-5
Gate
Gate
CAT'S CRADLE BUILDING
DB-1
DB-2
DB-3
DB-4
DB-5
DB-6
DB-7
FORMER LOCATION OF PETROLEUM ASTs (Removed 2003)
AST/DUCT BANK AREA SOIL EXCAVATION
MW-2
LS-1
LS-2
LS-3
LS-4
LS-5
LS-6
AST LOADING RACK AREA SOIL EXCAVATION
LR EAST
LR CENTER
LR SOUTH
MW-3
LR NORTH
LR WEST
NORFOLK SOUTHERN RAILWAY
LEGEND
MONITORING WELL
SOIL SAMPLE
GRAPHIC SCALE IN FEET
20 15 10 5 0 10 20
1"=20'
DRAWN KAM
CHKD MGJ
DATE 7/25/13
LAY
DWG CARRBORO UST SITE MAP
FIG. 2013-161
REVISE 7
MAIN ST. PROPERTIES OF CHAPEL HILL
206 E. MAIN ST.
CARRBORO
NORTH CAROLINA
AST AREA EXCAVATION MAP
PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

TABLE 7

AST Loading Rack Area - BFP Post-Excavation Soil Analytical Results
Former Don Christian - Former Loading Rack Area
206 East Main Street, Carrboro, NC

Analytical Parameter	Analytical Method	SAMPLE ID NUMBER							UST DIVISION Residential MSCC	UST DIVISION Industrial / Commercial MSCC	IHSB / Brownfields Residential PSRGs	IHSB / Brownfields Industrial / Commercial PSRGs
		LR North	LR East	LR West	LR South	LR Center	Duplicate	DS-7				
Sampling Date :		8/9/2013	8/9/2013	8/9/2013	8/9/2013	8/9/2013	(Center)	8/9/2013				
Sample Depth in Feet :		4.5	7	5.5	5.5	8	8	Disposal				
Results Units :		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Benzene	8260	ND	ND	ND	ND	ND	ND	NA	18	164	1.1	5.4
2-Butanone (MEK)	8260	ND	ND	ND	ND	ND	ND	NA	9385	245,280	5600	28,000
n-Butylbenzene	8260	ND	ND	0.006	ND	ND	ND	NA	626	16,350	110	110
sec-Butylbenzene	8260	ND	ND	0.006	ND	ND	ND	NA	626	16,350	No Standard	No Standard
tert-Butylbenzene	8260	ND	ND	ND	ND	ND	ND	NA	626	16,350	No Standard	No Standard
Ethylbenzene	8260	ND	ND	ND	ND	ND	ND	NA	1560	40,000	5.4	270
Isopropyl ether (IPE)	8260	ND	0.018	ND	ND	ND	ND	NA	156	4088	480	2000
Isopropylbenzene	8260	ND	ND	ND	ND	ND	ND	NA	1564	40,880	No Standard	No Standard
Naphthalene	8260	ND	ND	0.008	ND	0.115	0.231	NA	313	8176	3.6	18
n-Propylbenzene	8260	ND	ND	ND	ND	ND	ND	NA	626	16,350	260	260
Toluene	8260	ND	ND	ND	ND	ND	ND	NA	1200	32,000	820	820
1,2,4-Trimethylbenzene	8260	ND	ND	ND	ND	ND	ND	NA	782	20,440	12	52
1,3,5-Trimethylbenzene	8260	ND	ND	ND	ND	ND	ND	NA	782	20,440	160	180
Total Xylenes	8260	ND	ND	ND	ND	ND	ND	NA	3129	81,700	130	260
MTBE	8260	ND	0.015	0.01	0.055	ND	ND	NA	350	3100	43	220
All Other 8260 Parameters												
Acenaphthene	8270	ND	ND	ND	ND	ND	ND	NA	940	24,000	680	6,600
bis(2-Ethylhexyl)phthalate	8270	ND	ND	ND	ND	ND	ND	NA	46	410	35	120
1-Methylnaphthalene	8270	ND	ND	ND	ND	ND	ND	NA	20	NO MSCC	16	53
2-Methylnaphthalene	8270	ND	ND	ND	ND	ND	ND	NA	63	1635	46	370
Naphthalene	8270	ND	ND	ND	ND	ND	ND	NA	313	8176	3.6	18
Phenanthrene	8270	ND	ND	ND	ND	402	556	NA	469	12,264	No Standard	No Standard
All Other 8270 Parameters	8270											
Gasoline Range Organics (GRO)	8015	NA	NA	NA	NA	NA	NA	38	NA	NA	No Standard	No Standard
Diesel Range Organics (DRO)	8015	NA	NA	NA	NA	NA	NA	852	NA	NA	No Standard	No Standard
FID/OVA Field Screening (ppm)	FID/OVA	95 ppm	10 ppm	120 ppm	150 ppm	50 ppm	50 ppm	250 ppm	NA	NA	No Standard	No Standard

mg/kg = parts per million (ppm).
BOLD values are above MSCC levels.
NS=Not Sampled for Parameter

MSCC = Maximum Soil Contaminant Concentrations
ND = Not Detected.
J= Estimated Concentration

NMSCC= No MSCC
NA Not Applicable
CI= Considered Immobile

Appendix L

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

July 30, 2013

Mr. Mike Jones
Pyramid Environmental
P.O. Box 16265
503 Industrial Avenue
Greensboro, NC 27416

RE: Project: 2013-161
Pace Project No.: 92166128

Dear Mr. Jones:
Enclosed are the analytical results for sample(s) received by the laboratory on July 23, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted 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 Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

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

CERTIFICATIONS

Project: 2013-161
Pace Project No.: 92166128

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: 2013-161
Pace Project No.: 92166128

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92166128001	**DS-1**	EPA 8015 Modified	EJK	2	PASI-C
		EPA 8015 Modified	GAW	2	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92166128002	**DS-2**	EPA 8015 Modified	EJK	2	PASI-C
		EPA 8015 Modified	GAW	2	PASI-C
		ASTM D2974-87	TNM	1	PASI-C

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 2013-161
Pace Project No.: 92166128

Sample: DS-1 **Lab ID: 92166128001** Collected: 07/18/13 09:00 Received: 07/23/13 15:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546							
Diesel Components	**706**	mg/kg	12.6	2	07/23/13 19:20	07/26/13 17:25	68334-30-5	
Surrogates								
n-Pentacosane (S)	85	%	41-119	2	07/23/13 19:20	07/26/13 17:25	629-99-2	
Gasoline Range Organics	Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B							
Gasoline Range Organics	**46.3**	mg/kg	6.7	1	07/29/13 15:00	07/30/13 01:03	8006-61-9	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-167	1	07/29/13 15:00	07/30/13 01:03	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**20.4**	%	0.10	1		07/24/13 14:27		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 2013-161
Pace Project No.: 92166128

Sample: DS-2 **Lab ID: 92166128002** Collected: 07/19/13 11:00 Received: 07/23/13 15:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified		Preparation Method: EPA 3546					
Diesel Components	**650**	mg/kg	12.5	2	07/23/13 19:20	07/25/13 15:05	68334-30-5	
Surrogates								
n-Pentacosane (S)	89	%	41-119	2	07/23/13 19:20	07/25/13 15:05	629-99-2	
Gasoline Range Organics	Analytical Method: EPA 8015 Modified		Preparation Method: EPA 5035A/5030B					
Gasoline Range Organics	**837**	mg/kg	24.4	4	07/29/13 15:00	07/30/13 01:26	8006-61-9	
Surrogates								
4-Bromofluorobenzene (S)	157	%	70-167	4	07/29/13 15:00	07/30/13 01:26	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**20.0**	%	0.10	1		07/24/13 14:27		

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

Pace Analytical
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2013-161
Pace Project No.: 92166128

QC Batch: GCV/7135
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8015 Modified
Analysis Description: Gasoline Range Organics
Associated Lab Samples: 92166128001, 92166128002

METHOD BLANK: 1018821
Matrix: Solid
Associated Lab Samples: 92166128001, 92166128002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	6.0	07/29/13 18:32	
4-Bromofluorobenzene (S)	%	79	70-167	07/29/13 18:32	

LABORATORY CONTROL SAMPLE: 1018822

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	49.6	47.0	95	70-165	
4-Bromofluorobenzene (S)	%			86	70-167	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1018823 1018824

Parameter	Units	92166494001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Gasoline Range Organics	mg/kg	ND	52.9	52.9	59.5	59.7	109	109	47-187	0	
4-Bromofluorobenzene (S)	%						81	83	70-167		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2013-161
Pace Project No.: 92166128

QC Batch: OEXT/23115
QC Batch Method: EPA 3546
Analysis Method: EPA 8015 Modified
Analysis Description: 8015 Solid GCSV
Associated Lab Samples: 92166128001, 92166128002

METHOD BLANK: 1015639
Matrix: Solid
Associated Lab Samples: 92166128001, 92166128002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/kg	ND	5.0	07/24/13 17:27	
n-Pentacosane (S)	%	84	41-119	07/24/13 17:27	

LABORATORY CONTROL SAMPLE: 1015640

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Components	mg/kg	66.7	48.6	73	49-113	
n-Pentacosane (S)	%			79	41-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1015641 1015642

Parameter	Units	92166086001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Diesel Components	mg/kg	ND	86.9	86.9	63.1	65.3	70	72	10-146	3	
n-Pentacosane (S)	%						75	76	41-119		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2013-161
Pace Project No.: 92166128

QC Batch: PMST/5695
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92166128001, 92166128002

SAMPLE DUPLICATE: 1015758

Parameter	Units	92166143005 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	30.5	30.8	1	

SAMPLE DUPLICATE: 1015759

Parameter	Units	92166131008 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	17.0	17.3	2	

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

QUALIFIERS

Project: 2013-161
Pace Project No.: 92166128

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.

PRL - Pace Reporting Limit.

RL - Reporting 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.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

TNI - The NELAC Institute.

LABORATORIES

PASI-C Pace Analytical Services - Charlotte

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

Pace Analytical
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2013-161
Pace Project No.: 92166128

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92166128001	**DS-1**	EPA 3546	OEXT/23115	EPA 8015 Modified	GCSV/15159
92166128002	**DS-2**	EPA 3546	OEXT/23115	EPA 8015 Modified	GCSV/15159
92166128001	**DS-1**	EPA 5035A/5030B	GCV/7135	EPA 8015 Modified	GCV/7138
92166128002	**DS-2**	EPA 5035A/5030B	GCV/7135	EPA 8015 Modified	GCV/7138
92166128001	**DS-1**	ASTM D2974-87	PMST/5695		
92166128002	**DS-2**	ASTM D2974-87	PMST/5695		

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

Pace Analytical	Sample Condition Upon Receipt (SCUR)	Page 1 of 2
	Document Number: F-CHR-CS-03-rev.11	Issuing Authority: Pace Huntersville Quality Office

Client Name: Pyramid

Where Received: ☑ Huntersville ☐ Asheville ☐ Eden ☐ Raleigh

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 T1102 T1301 **Type of Ice:** Wet Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor **T1102**: No Correction **T1301**: No Correction

Corrected Cooler Temp.: 4.6 **C** **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C

Optional
Proj. Due Date:
Proj. Name:

Date and Initials of person examining contents: 7/23/13

Comments:

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: [illegible] Date: 7/23/13

SRF Review: [illegible] Date: 7/24/13

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)

WO#: 92166128

92166128

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1690880

Section A Required Client Information:
Company: PYRAMID
Address: 503 INDUSTRIAL
OSBO, NC 27406
Email To:
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:
Report To: PYRAMID
Copy To:
Purchase Order No.:
Project Name:
Project Number: 2013-161

Section C Invoice Information:
Attention: MIKE JONES
Company Name: PYRAMID
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 2982-1

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☑ UST ☐ RCRA ☐ OTHER

Site Location STATE: NC

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) GRO	Analysis Test (Y/N) DRO	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
DS-1	SL		07/19/13	09:00				4	1						3		X	X		001
DS-2	SL		07/19/13	11:00				4	1						3		X	X		002

Both are Composites

92160128 TRUST FUND RATES

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Michael Jones	7/21/13	9:20	[illegible]	7/21/13	900	
	[illegible]	7/23/13	1230	[illegible]	7/23/13	1230	
	[illegible]	7/23/13	1530	[illegible]	7/23/13	15:30	

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: MICHAEL JONES
SIGNATURE of SAMPLER: Michael Jones DATE Signed (MM/DD/YY): 07/21/2013

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

*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.

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: DS-3 **Lab ID: 92166131011** Collected: 07/22/13 13:30 Received: 07/23/13 15:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546							
Diesel Components	**57.0**	mg/kg	5.9	1	07/23/13 19:20	07/24/13 21:26	68334-30-5	
Surrogates								
n-Pentacosane (S)	80	%	41-119	1	07/23/13 19:20	07/24/13 21:26	629-99-2	
Gasoline Range Organics	Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B							
Gasoline Range Organics	**242**	mg/kg	5.8	1	07/26/13 14:33	07/27/13 03:56	8006-61-9	
Surrogates								
4-Bromofluorobenzene (S)	145	%	70-167	1	07/26/13 14:33	07/27/13 03:56	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**14.6**	%	0.10	1		07/25/13 08:23		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Christian 2013-161
Pace Project No.: 92166131

Sample: DS-4 **Lab ID: 92166131012** Collected: 07/22/13 16:30 Received: 07/23/13 15:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546							
Diesel Components	**150**	mg/kg	5.9	1	07/23/13 19:20	07/24/13 21:50	68334-30-5	
Surrogates								
n-Pentacosane (S)	79	%	41-119	1	07/23/13 19:20	07/24/13 21:50	629-99-2	
Gasoline Range Organics	Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B							
Gasoline Range Organics	**228**	mg/kg	6.1	1	07/26/13 14:33	07/27/13 04:19	8006-61-9	
Surrogates								
4-Bromofluorobenzene (S)	150	%	70-167	1	07/26/13 14:33	07/27/13 04:19	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**15.1**	%	0.10	1		07/25/13 08:24		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167281

Sample: LIFT + W.O. AREA DS-5 **Lab ID: 92167281006** Collected: 07/30/13 17:45 Received: 08/01/13 14:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified		Preparation Method: EPA 3546					
Diesel Components	**3860**	mg/kg	154	5	08/02/13 09:33	08/06/13 17:11	68334-30-5	
Surrogates								
n-Pentacosane (S)	0	%	41-119	5	08/02/13 09:33	08/06/13 17:11	629-99-2	S4
Gasoline Range Organics	Analytical Method: EPA 8015 Modified		Preparation Method: EPA 5035A/5030B					
Gasoline Range Organics	**122**	mg/kg	5.5	1	08/02/13 15:10	08/03/13 00:55	8006-61-9	
Surrogates								
4-Bromofluorobenzene (S)	132	%	70-167	1	08/02/13 15:10	08/03/13 00:55	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**18.8**	%	0.10	1		08/06/13 08:24		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 2013-161
Pace Project No.: 92167279

Sample: DS-6 LIFT#2 AREA **Lab ID: 92167279009** Collected: 07/31/13 14:00 Received: 08/01/13 14:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546							
Diesel Components	**1150**	mg/kg	28.5	5	08/02/13 09:33	08/06/13 17:11	68334-30-5	
Surrogates								
n-Pentacosane (S)	0	%	41-119	5	08/02/13 09:33	08/06/13 17:11	629-99-2	S4
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**12.2**	%	0.10	1		08/06/13 08:16		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro AST Area 2013-169
Pace Project No.: 92168523

Sample: DS-7 **Lab ID: 92168523014** Collected: 08/09/13 14:00 Received: 08/13/13 14:15 Matrix: Solid

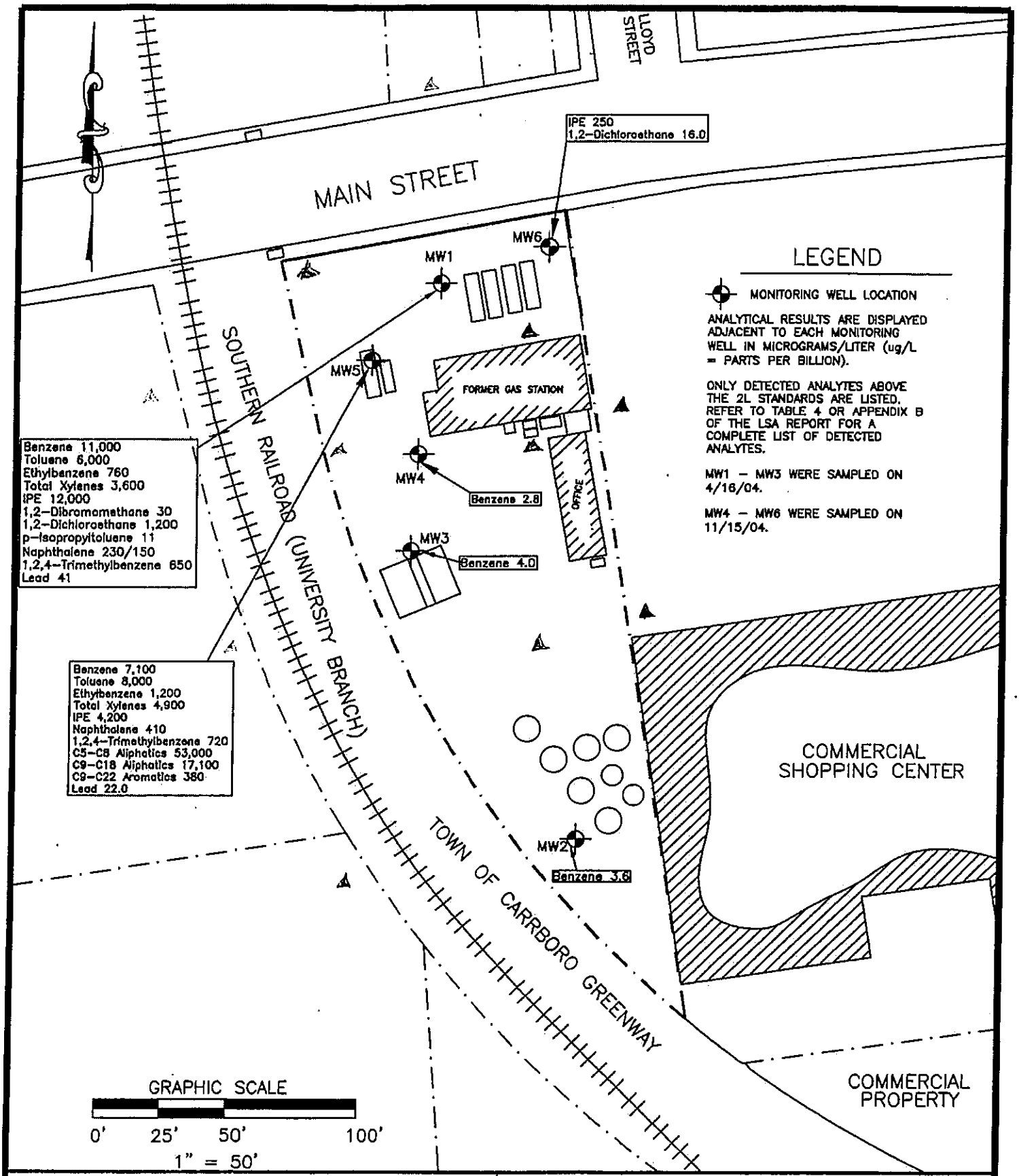
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546							
Diesel Components	**852**	mg/kg	30.6	5	08/13/13 20:16	08/15/13 18:28	68334-30-5	
Surrogates								
n-Pentacosane (S)	0	%	41-119	5	08/13/13 20:16	08/15/13 18:28	629-99-2	S4
Gasoline Range Organics	Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B							
Gasoline Range Organics	**38.0**	mg/kg	5.3	1	08/19/13 23:00	08/20/13 04:26	8006-61-9	
Surrogates								
4-Bromofluorobenzene (S)	127	%	70-167	1	08/19/13 23:00	08/20/13 04:26	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**18.3**	%	0.10	1		08/15/13 13:45		

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

Appendix M

Appendix M



TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

GROUNDWATER ANALYTICAL RESULTS (4/16 & 11/15/04)
DON C. CHRISTIAN CO. INC. PROPERTY
206 E. MAIN STREET
CARRBORO, NC

MAIN STREET PROPERTIES OF CHAPEL HILL, LLC — CHAPEL HILL, NC

PROJECT NO.	06104	DRAWN BY:	JRG/JAK	DATE:	1/21/05
SCALE:	1" = 50'	CHECKED BY:	MJB	FIGURE NO.	7

TABLE 4
Date: 6/20/04

SUMMARY OF GROUNDWATER SAMPLING RESULTS
Incident Name: Don Christain Property

Analytical Method		6210D +MTBE +IPE	6210D +MTBE +IPE	6210D +MTBE +IPE	6210D +MTBE +IPE	6210D +MTBE +IPE	6210D +MTBE +IPE	6210D +MTBE +IPE	6210D +MTBE +IPE	6210D +MTBE +IPE	6210D +MTBE +IPE	6210D +MTBE +IPE	6210D +MTBE +IPE	625BNA+DNP	6210D +MTBE +IPE	6210D +MTBE +IPE	6210D +MTBE +IPE	6010B
Contaminant of Concern																		
Well ID	Date Collected	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	IPE	Acetone	1,2-Dibromoethane	1,2-Dichloroethane	Isopropylbenzene	p-Isopropyltoluene	2-Butanone (MEK)	Naphthalene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Lead
MW1	4/16/2004	**11,000**	**6,000**	**760**	**3,600**	<5.0	**12,000**	**440**	**30**	**1,200**	**48**	**11**	**110**	**230\150**	**62**	**650**	**210**	**41**
MW2	4/16/2004	**3.6**	<5.0	**1.1**	<3.0	**10**	**5**	<25	<1	<1	<1	<1	<10	<5\<10	<1	<1	<1	<5.0
MW3	4/16/2004	**4.0**	<5	<1	<3.0	**15**	**60**	<25	<1	5.1.	2.1	<1	<10	<5\<10	<1	<1	<1	**6**
2L Standard		1	1,000	29	530	200	70	700	0.0004	0.38	70	NE	170	21	70	350	350	15
GCLs		5,000	257,500	29,000	87,500	200,000	70,000	700,000	50	380	25,000	NE	170,000	15,500	30,000	28,500	25,000	15,000

Notes:
1. All results in ug/l = parts per billion (ppb)
2. Bold denotes a compound detection. Shading denotes a 2L Standard violation. Hatch pattern denotes a GCL violation.
3. < - denotes less than sample detection limit.
4. NE - 2L Standard and GCL limit not established for the compound.

Table 4
Date: 1/19/05

SUMMARY OF GROUNDWATER SAMPLING RESULTS
Incident Name: Don C. Christain Property Incident No: Pending

Facility ID No: 0-026870

Analytical Method		8210D+MTBE+IPE	8210D+MTBE+IPE	8210D+MTBE+IPE	8210D+MTBE+IPE	8210D+MTBE+IPE	8210D+MTBE+IPE	8210D+MTBE+IPE	8210D+MTBE+IPE	8210D+MTBE+IPE	8210D+MTBE+IPE	8210D+MTBE+IPE	8210D+MTBE+IPE	8260MADEP+MTBE	8210D+MTBE+IPE	8210D+MTBE+IPE	8210D+MTBE+IPE	8210D+MTBE+IPE	MADEP-VPH	MADEP-VPH/EPH	MADEP-VPH/EPH	MADEP-EPH	6010B
Contaminant of Concern		Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	IPE	Acetone	1,2-Dibromoethane	1,2-Dichloroethane	Isopropylbenzene	p-Isopropyltoluene	2-Butanone (MEK)	Naphthalene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	C5-C8 Aliphatics	C9-C18 Aliphatics	C9-C22 Aromatics	C19-C36 Aliphatics	Lead
Well ID	Date Collected																					
MW1	4/16/2004	[redacted]	6,000	760	3,600	<5.0	12,000	440	30	1,200	48	11	110	230\150	62	650	210	-	-	-	-	41
MW2	4/16/2004	3.6	<5.0	1.1	<3.0	10	5.3	<25	<1.0	<1.0	<1.0	<1.0	<10	<5.0/<10.	<1.0	<1.0	<1.0	-	-	-	-	<5.0
MW3	4/16/2004	4.0	<5.0	<1.0	<3.0	15	60	<25	<1.0	5.1	2.1	<1.0	<10	<5.0/<10.	<1.0	<1.0	<1.0	-	-	-	-	6.0
MW4	11/15/2004	2.8	<5.0	1.1	4.8	1.3	14.0	<25.	<1.0	<1.0	<1.0	<1.0	<10.	<5.0/<10.	<1.0	<1.0	<1.0	<100	<200	<200	<100	9.8
MW5	11/15/2004	[redacted]	8,000	1,200	4,900	<500	4,200	<12,000	<500	<500	<500	<500	<5,000	<2,500/410	<500	720	<500	53,000	17,100	380	<100	22.0
MW6	11/15/2004	<1.0	<5.0	<1.0	<3.0	<1.0	250	<25.	<1.0	16.0	<1.0	<1.0	<10.	<5.0/<10.	<1.0	<1.0	<1.0	220	<200	<200	<100	13.0
2L Standard		1	1,000	29	530	200	70	700	0.0004	0.38	70	NE	170	21	70	350	350	420	4,200	210	42,000	15
GCLs		5,000	257,500	29,000	87,500	200,000	70,000	700,000	50	380	25,000	NE	170,000	15,500	30,000	28,500	25,000	NE	NE	NE	NE	15,000

11,000

7,100

Notes:
1. All results in ug/l = parts per billion (ppb)
2. Bold denotes a compound detection. Shading denotes a GCL violation.
3. < - denotes less than sample detection limit.
4. NE - 2L Standard and GCL limit not established for the compound.
5. - Not sampled for

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

May 15, 2013

Mr. Mike Jones
Pyramid Environmental
P.O. Box 16265
503 Industrial Avenue
Greensboro, NC 27416

MW-1 + MW-5
sampled
05-8-13

RE: Project: Carrboro 2013-077
Pace Project No.: 92157317

Dear Mr. Jones:
Enclosed are the analytical results for sample(s) received by the laboratory on May 08, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted 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 Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

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

CERTIFICATIONS

Project: Carrboro 2013-077
Pace Project No.: 92157317

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Carrboro 2013-077
Pace Project No.: 92157317

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92157317001	**MW-1**	SM 6200B	CAH	64	PASI-C
92157317002	**MW-5**	SM 6200B	CAH	64	PASI-C

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro 2013-077
Pace Project No.: 92157317

Sample: MW-1 **Lab ID: 92157317001** Collected: 05/08/13 07:50 Received: 05/08/13 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Benzene	**29400**	ug/L	100	200		05/15/13 09:43	71-43-2	
Bromobenzene	ND	ug/L	25.0	50		05/15/13 00:39	108-86-1	
Bromochloromethane	ND	ug/L	25.0	50		05/15/13 00:39	74-97-5	
Bromodichloromethane	ND	ug/L	25.0	50		05/15/13 00:39	75-27-4	
Bromoform	ND	ug/L	25.0	50		05/15/13 00:39	75-25-2	
Bromomethane	ND	ug/L	250	50		05/15/13 00:39	74-83-9	
n-Butylbenzene	ND	ug/L	25.0	50		05/15/13 00:39	104-51-8	
sec-Butylbenzene	ND	ug/L	25.0	50		05/15/13 00:39	135-98-8	
tert-Butylbenzene	ND	ug/L	25.0	50		05/15/13 00:39	98-06-6	
Carbon tetrachloride	ND	ug/L	25.0	50		05/15/13 00:39	56-23-5	
Chlorobenzene	ND	ug/L	25.0	50		05/15/13 00:39	108-90-7	
Chloroethane	ND	ug/L	50.0	50		05/15/13 00:39	75-00-3	
Chloroform	ND	ug/L	25.0	50		05/15/13 00:39	67-66-3	
Chloromethane	ND	ug/L	50.0	50		05/15/13 00:39	74-87-3	
2-Chlorotoluene	ND	ug/L	25.0	50		05/15/13 00:39	95-49-8	
4-Chlorotoluene	ND	ug/L	25.0	50		05/15/13 00:39	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	50.0	50		05/15/13 00:39	96-12-8	
Dibromochloromethane	ND	ug/L	25.0	50		05/15/13 00:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	25.0	50		05/15/13 00:39	106-93-4	
Dibromomethane	**ND**	ug/L	25.0	50		05/15/13 00:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	25.0	50		05/15/13 00:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	25.0	50		05/15/13 00:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	25.0	50		05/15/13 00:39	106-46-7	
Dichlorodifluoromethane	ND	ug/L	25.0	50		05/15/13 00:39	75-71-8	
1,1-Dichloroethane	ND	ug/L	25.0	50		05/15/13 00:39	75-34-3	
1,2-Dichloroethane	**111**	ug/L	25.0	50		05/15/13 00:39	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	50		05/15/13 00:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	25.0	50		05/15/13 00:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	25.0	50		05/15/13 00:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	25.0	50		05/15/13 00:39	78-87-5	
1,3-Dichloropropane	ND	ug/L	25.0	50		05/15/13 00:39	142-28-9	
2,2-Dichloropropane	ND	ug/L	25.0	50		05/15/13 00:39	594-20-7	
1,1-Dichloropropene	ND	ug/L	25.0	50		05/15/13 00:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	25.0	50		05/15/13 00:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	25.0	50		05/15/13 00:39	10061-02-6	
Diisopropyl ether	**6530**	ug/L	25.0	50		05/15/13 00:39	108-20-3	
Ethylbenzene	**1920**	ug/L	25.0	50		05/15/13 00:39	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	100	50		05/15/13 00:39	87-68-3	
Isopropylbenzene (Cumene)	**96.9**	ug/L	25.0	50		05/15/13 00:39	98-82-8	
Methylene Chloride	ND	ug/L	100	50		05/15/13 00:39	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	25.0	50		05/15/13 00:39	1634-04-4	
Naphthalene	**810**	ug/L	100	50		05/15/13 00:39	91-20-3	
n-Propylbenzene	**190**	ug/L	25.0	50		05/15/13 00:39	103-65-1	
Styrene	ND	ug/L	25.0	50		05/15/13 00:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	25.0	50		05/15/13 00:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	25.0	50		05/15/13 00:39	79-34-5	
Tetrachloroethene	ND	ug/L	25.0	50		05/15/13 00:39	127-18-4	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro 2013-077
Pace Project No.: 92157317

Sample: MW-1 **Lab ID: 92157317001** Collected: 05/08/13 07:50 Received: 05/08/13 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Toluene	**22600**	ug/L	100	200		05/15/13 09:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	100	50		05/15/13 00:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	100	50		05/15/13 00:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	25.0	50		05/15/13 00:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	25.0	50		05/15/13 00:39	79-00-5	
Trichloroethene	ND	ug/L	25.0	50		05/15/13 00:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	50		05/15/13 00:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	25.0	50		05/15/13 00:39	96-18-4	
1,2,4-Trimethylbenzene	**2620**	ug/L	25.0	50		05/15/13 00:39	95-63-6	
1,3,5-Trimethylbenzene	**677**	ug/L	25.0	50		05/15/13 00:39	108-67-8	
Vinyl chloride	ND	ug/L	50.0	50		05/15/13 00:39	75-01-4	
m&p-Xylene	**9700**	ug/L	50.0	50		05/15/13 00:39	179601-23-1	
o-Xylene	**4400**	ug/L	25.0	50		05/15/13 00:39	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	70-130	50		05/15/13 00:39	17060-07-0	
Dibromofluoromethane (S)	97	%	70-130	50		05/15/13 00:39	1868-53-7	
4-Bromofluorobenzene (S)	97	%	70-130	50		05/15/13 00:39	460-00-4	
Toluene-d8 (S)	102	%	70-130	50		05/15/13 00:39	2037-26-5	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro 2013-077
Pace Project No.: 92157317

Sample: MW-5 **Lab ID: 92157317002** Collected: 05/08/13 08:15 Received: 05/08/13 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Benzene	**2500**	ug/L	25.0	50		05/15/13 00:56	71-43-2	
Bromobenzene	ND	ug/L	25.0	50		05/15/13 00:56	108-86-1	
Bromochloromethane	ND	ug/L	25.0	50		05/15/13 00:56	74-97-5	
Bromodichloromethane	ND	ug/L	25.0	50		05/15/13 00:56	75-27-4	
Bromoform	ND	ug/L	25.0	50		05/15/13 00:56	75-25-2	
Bromomethane	ND	ug/L	250	50		05/15/13 00:56	74-83-9	
n-Butylbenzene	ND	ug/L	25.0	50		05/15/13 00:56	104-51-8	
sec-Butylbenzene	ND	ug/L	25.0	50		05/15/13 00:56	135-98-8	
tert-Butylbenzene	ND	ug/L	25.0	50		05/15/13 00:56	98-06-6	
Carbon tetrachloride	ND	ug/L	25.0	50		05/15/13 00:56	56-23-5	
Chlorobenzene	ND	ug/L	25.0	50		05/15/13 00:56	108-90-7	
Chloroethane	ND	ug/L	50.0	50		05/15/13 00:56	75-00-3	
Chloroform	ND	ug/L	25.0	50		05/15/13 00:56	67-66-3	
Chloromethane	ND	ug/L	50.0	50		05/15/13 00:56	74-87-3	
2-Chlorotoluene	ND	ug/L	25.0	50		05/15/13 00:56	95-49-8	
4-Chlorotoluene	ND	ug/L	25.0	50		05/15/13 00:56	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	50.0	50		05/15/13 00:56	96-12-8	
Dibromochloromethane	ND	ug/L	25.0	50		05/15/13 00:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	25.0	50		05/15/13 00:56	106-93-4	
Dibromomethane	ND	ug/L	25.0	50		05/15/13 00:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	25.0	50		05/15/13 00:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	25.0	50		05/15/13 00:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	25.0	50		05/15/13 00:56	106-46-7	
Dichlorodifluoromethane	ND	ug/L	25.0	50		05/15/13 00:56	75-71-8	
1,1-Dichloroethane	ND	ug/L	25.0	50		05/15/13 00:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	25.0	50		05/15/13 00:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	50		05/15/13 00:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	25.0	50		05/15/13 00:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	25.0	50		05/15/13 00:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	25.0	50		05/15/13 00:56	78-87-5	
1,3-Dichloropropane	ND	ug/L	25.0	50		05/15/13 00:56	142-28-9	
2,2-Dichloropropane	ND	ug/L	25.0	50		05/15/13 00:56	594-20-7	
1,1-Dichloropropene	ND	ug/L	25.0	50		05/15/13 00:56	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	25.0	50		05/15/13 00:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	25.0	50		05/15/13 00:56	10061-02-6	
Diisopropyl ether	**128**	ug/L	25.0	50		05/15/13 00:56	108-20-3	
Ethylbenzene	**4670**	ug/L	25.0	50		05/15/13 00:56	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	100	50		05/15/13 00:56	87-68-3	
Isopropylbenzene (Cumene)	**163**	ug/L	25.0	50		05/15/13 00:56	98-82-8	
Methylene Chloride	ND	ug/L	100	50		05/15/13 00:56	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	25.0	50		05/15/13 00:56	1634-04-4	
Naphthalene	**1480**	ug/L	100	50		05/15/13 00:56	91-20-3	
n-Propylbenzene	**513**	ug/L	25.0	50		05/15/13 00:56	103-65-1	
Styrene	ND	ug/L	25.0	50		05/15/13 00:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	25.0	50		05/15/13 00:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	25.0	50		05/15/13 00:56	79-34-5	
Tetrachloroethene	ND	ug/L	25.0	50		05/15/13 00:56	127-18-4	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro 2013-077
Pace Project No.: 92157317

Sample: MW-5 **Lab ID: 92157317002** Collected: 05/08/13 08:15 Received: 05/08/13 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Toluene	**3190**	ug/L	25.0	50		05/15/13 00:56	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	100	50		05/15/13 00:56	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	100	50		05/15/13 00:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	25.0	50		05/15/13 00:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	25.0	50		05/15/13 00:56	79-00-5	
Trichloroethene	ND	ug/L	25.0	50		05/15/13 00:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	50		05/15/13 00:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	25.0	50		05/15/13 00:56	96-18-4	
1,2,4-Trimethylbenzene	**4110**	ug/L	25.0	50		05/15/13 00:56	95-63-6	
1,3,5-Trimethylbenzene	**1130**	ug/L	25.0	50		05/15/13 00:56	108-67-8	
Vinyl chloride	ND	ug/L	50.0	50		05/15/13 00:56	75-01-4	
m&p-Xylene	**12700**	ug/L	50.0	50		05/15/13 00:56	179601-23-1	
o-Xylene	**3750**	ug/L	25.0	50		05/15/13 00:56	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	111	%	70-130	50		05/15/13 00:56	17060-07-0	
Dibromofluoromethane (S)	101	%	70-130	50		05/15/13 00:56	1868-53-7	
4-Bromofluorobenzene (S)	96	%	70-130	50		05/15/13 00:56	460-00-4	
Toluene-d8 (S)	104	%	70-130	50		05/15/13 00:56	2037-26-5	

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

QUALITY CONTROL DATA

Project: Carrboro 2013-077
Pace Project No.: 92157317

QC Batch: MSV/22961 | Analysis Method: SM 6200B
QC Batch Method: SM 6200B | Analysis Description: 6200B MSV
Associated Lab Samples: 92157317001, 92157317002

METHOD BLANK: 973357 | Matrix: Water
Associated Lab Samples: 92157317001, 92157317002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	05/14/13 19:57	
1,1,1-Trichloroethane	ug/L	ND	0.50	05/14/13 19:57	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	05/14/13 19:57	
1,1,2-Trichloroethane	ug/L	ND	0.50	05/14/13 19:57	
1,1-Dichloroethane	ug/L	ND	0.50	05/14/13 19:57	
1,1-Dichloroethene	ug/L	ND	0.50	05/14/13 19:57	
1,1-Dichloropropene	ug/L	ND	0.50	05/14/13 19:57	
1,2,3-Trichlorobenzene	ug/L	ND	2.0	05/14/13 19:57	
1,2,3-Trichloropropane	ug/L	ND	0.50	05/14/13 19:57	
1,2,4-Trichlorobenzene	ug/L	ND	2.0	05/14/13 19:57	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	05/14/13 19:57	
1,2-Dibromo-3-chloropropane	ug/L	ND	1.0	05/14/13 19:57	
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	05/14/13 19:57	
1,2-Dichlorobenzene	ug/L	ND	0.50	05/14/13 19:57	
1,2-Dichloroethane	ug/L	ND	0.50	05/14/13 19:57	
1,2-Dichloropropane	ug/L	ND	0.50	05/14/13 19:57	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	05/14/13 19:57	
1,3-Dichlorobenzene	ug/L	ND	0.50	05/14/13 19:57	
1,3-Dichloropropane	ug/L	ND	0.50	05/14/13 19:57	
1,4-Dichlorobenzene	ug/L	ND	0.50	05/14/13 19:57	
2,2-Dichloropropane	ug/L	ND	0.50	05/14/13 19:57	
2-Chlorotoluene	ug/L	ND	0.50	05/14/13 19:57	
4-Chlorotoluene	ug/L	ND	0.50	05/14/13 19:57	
Benzene	ug/L	ND	0.50	05/14/13 19:57	
Bromobenzene	ug/L	ND	0.50	05/14/13 19:57	
Bromochloromethane	ug/L	ND	0.50	05/14/13 19:57	
Bromodichloromethane	ug/L	ND	0.50	05/14/13 19:57	
Bromoform	ug/L	ND	0.50	05/14/13 19:57	
Bromomethane	ug/L	ND	5.0	05/14/13 19:57	
Carbon tetrachloride	ug/L	ND	0.50	05/14/13 19:57	
Chlorobenzene	ug/L	ND	0.50	05/14/13 19:57	
Chloroethane	ug/L	ND	1.0	05/14/13 19:57	
Chloroform	ug/L	ND	0.50	05/14/13 19:57	
Chloromethane	ug/L	ND	1.0	05/14/13 19:57	
cis-1,2-Dichloroethene	ug/L	ND	0.50	05/14/13 19:57	
cis-1,3-Dichloropropene	ug/L	ND	0.50	05/14/13 19:57	
Dibromochloromethane	ug/L	ND	0.50	05/14/13 19:57	
Dibromomethane	ug/L	ND	0.50	05/14/13 19:57	
Dichlorodifluoromethane	ug/L	ND	0.50	05/14/13 19:57	
Diisopropyl ether	ug/L	ND	0.50	05/14/13 19:57	
Ethylbenzene	ug/L	ND	0.50	05/14/13 19:57	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	05/14/13 19:57	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	05/14/13 19:57	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro 2013-077
Pace Project No.: 92157317

METHOD BLANK: 973357 Matrix: Water

Associated Lab Samples: 92157317001, 92157317002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/L	ND	1.0	05/14/13 19:57	
Methyl-tert-butyl ether	ug/L	ND	0.50	05/14/13 19:57	
Methylene Chloride	ug/L	ND	2.0	05/14/13 19:57	
n-Butylbenzene	ug/L	ND	0.50	05/14/13 19:57	
n-Propylbenzene	ug/L	ND	0.50	05/14/13 19:57	
Naphthalene	ug/L	ND	2.0	05/14/13 19:57	
o-Xylene	ug/L	ND	0.50	05/14/13 19:57	
sec-Butylbenzene	ug/L	ND	0.50	05/14/13 19:57	
Styrene	ug/L	ND	0.50	05/14/13 19:57	
tert-Butylbenzene	ug/L	ND	0.50	05/14/13 19:57	
Tetrachloroethene	ug/L	ND	0.50	05/14/13 19:57	
Toluene	ug/L	ND	0.50	05/14/13 19:57	
trans-1,2-Dichloroethene	ug/L	ND	0.50	05/14/13 19:57	
trans-1,3-Dichloropropene	ug/L	ND	0.50	05/14/13 19:57	
Trichloroethene	ug/L	ND	0.50	05/14/13 19:57	
Trichlorofluoromethane	ug/L	ND	1.0	05/14/13 19:57	
Vinyl chloride	ug/L	ND	1.0	05/14/13 19:57	
1,2-Dichloroethane-d4 (S)	%	108	70-130	05/14/13 19:57	
4-Bromofluorobenzene (S)	%	89	70-130	05/14/13 19:57	
Dibromofluoromethane (S)	%	100	70-130	05/14/13 19:57	
Toluene-d8 (S)	%	103	70-130	05/14/13 19:57	

LABORATORY CONTROL SAMPLE: 973358

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.3	107	60-140	
1,1,1-Trichloroethane	ug/L	50	52.6	105	60-140	
1,1,2,2-Tetrachloroethane	ug/L	50	56.3	113	60-140	
1,1,2-Trichloroethane	ug/L	50	55.4	111	60-140	
1,1-Dichloroethane	ug/L	50	50.4	101	60-140	
1,1-Dichloroethene	ug/L	50	49.1	98	60-140	
1,1-Dichloropropene	ug/L	50	59.0	118	60-140	
1,2,3-Trichlorobenzene	ug/L	50	47.7	95	60-140	
1,2,3-Trichloropropane	ug/L	50	58.4	117	60-140	
1,2,4-Trichlorobenzene	ug/L	50	49.0	98	60-140	
1,2,4-Trimethylbenzene	ug/L	50	53.6	107	60-140	
1,2-Dibromo-3-chloropropane	ug/L	50	56.5	113	60-140	
1,2-Dibromoethane (EDB)	ug/L	50	53.6	107	60-140	
1,2-Dichlorobenzene	ug/L	50	50.2	100	60-140	
1,2-Dichloroethane	ug/L	50	48.2	96	60-140	
1,2-Dichloropropane	ug/L	50	52.8	106	60-140	
1,3,5-Trimethylbenzene	ug/L	50	53.0	106	60-140	
1,3-Dichlorobenzene	ug/L	50	50.4	101	60-140	
1,3-Dichloropropane	ug/L	50	54.6	109	60-140	
1,4-Dichlorobenzene	ug/L	50	49.9	100	60-140	

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

QUALITY CONTROL DATA

Project: Carrboro 2013-077
Pace Project No.: 92157317

LABORATORY CONTROL SAMPLE: 973358

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	50	54.3	109	60-140	
2-Chlorotoluene	ug/L	50	50.7	101	60-140	
4-Chlorotoluene	ug/L	50	51.4	103	60-140	
Benzene	ug/L	50	48.3	97	60-140	
Bromobenzene	ug/L	50	50.7	101	60-140	
Bromochloromethane	ug/L	50	49.9	100	60-140	
Bromodichloromethane	ug/L	50	54.2	108	60-140	
Bromoform	ug/L	50	45.9	92	60-140	
Bromomethane	ug/L	50	37.5	75	60-140	
Carbon tetrachloride	ug/L	50	53.7	107	60-140	
Chlorobenzene	ug/L	50	49.9	100	60-140	
Chloroethane	ug/L	50	47.7	95	60-140	
Chloroform	ug/L	50	52.1	104	60-140	
Chloromethane	ug/L	50	48.6	97	60-140	
cis-1,2-Dichloroethene	ug/L	50	49.6	99	60-140	
cis-1,3-Dichloropropene	ug/L	50	60.3	121	60-140	
Dibromochloromethane	ug/L	50	58.3	117	60-140	
Dibromomethane	ug/L	50	51.4	103	60-140	
Dichlorodifluoromethane	ug/L	50	64.9	130	60-140	
Diisopropyl ether	ug/L	50	52.7	105	60-140	
Ethylbenzene	ug/L	50	51.6	103	60-140	
Hexachloro-1,3-butadiene	ug/L	50	44.9	90	60-140	
Isopropylbenzene (Cumene)	ug/L	50	53.0	106	60-140	
m&p-Xylene	ug/L	100	103	103	60-140	
Methyl-tert-butyl ether	ug/L	50	52.2	104	60-140	
Methylene Chloride	ug/L	50	52.8	106	60-140	
n-Butylbenzene	ug/L	50	51.8	104	60-140	
n-Propylbenzene	ug/L	50	49.3	99	60-140	
Naphthalene	ug/L	50	51.4	103	60-140	
o-Xylene	ug/L	50	51.0	102	60-140	
sec-Butylbenzene	ug/L	50	52.4	105	60-140	
Styrene	ug/L	50	55.1	110	60-140	
tert-Butylbenzene	ug/L	50	50.1	100	60-140	
Tetrachloroethene	ug/L	50	50.5	101	60-140	
Toluene	ug/L	50	48.6	97	60-140	
trans-1,2-Dichloroethene	ug/L	50	49.6	99	60-140	
trans-1,3-Dichloropropene	ug/L	50	67.3	135	60-140	
Trichloroethene	ug/L	50	48.2	96	60-140	
Trichlorofluoromethane	ug/L	50	52.6	105	60-140	
Vinyl chloride	ug/L	50	48.2	96	60-140	
1,2-Dichloroethane-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			105	70-130	
Dibromofluoromethane (S)	%			103	70-130	
Toluene-d8 (S)	%			102	70-130	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro 2013-077
Pace Project No.: 92157317

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 973359 973360

Parameter	Units	92157133001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	22.0	21.0	110	105	60-140	4	
1,1,1-Trichloroethane	ug/L	ND	20	20	24.3	23.2	121	116	60-140	4	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	21.4	20.9	107	105	60-140	2	
1,1,2-Trichloroethane	ug/L	ND	20	20	24.1	22.6	120	113	60-140	6	
1,1-Dichloroethane	ug/L	ND	20	20	23.3	22.5	116	112	60-140	3	
1,1-Dichloroethene	ug/L	ND	20	20	23.4	22.5	117	112	60-140	4	
1,1-Dichloropropene	ug/L	ND	20	20	27.3	26.1	136	130	60-140	4	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	20.0	19.3	100	97	60-140	4	
1,2,3-Trichloropropane	ug/L	ND	20	20	23.2	22.2	116	111	60-140	4	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	20.0	19.2	100	96	60-140	4	
1,2,4-Trimethylbenzene	ug/L	ND	20	20	22.2	21.1	111	105	60-140	5	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	21.9	21.3	109	106	60-140	3	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	22.4	21.5	112	108	60-140	4	
1,2-Dichlorobenzene	ug/L	ND	20	20	21.6	20.7	108	103	60-140	4	
1,2-Dichloroethane	ug/L	ND	20	20	21.7	21.1	109	106	60-140	3	
1,2-Dichloropropane	ug/L	ND	20	20	23.4	22.5	117	113	60-140	4	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	21.8	21.0	109	105	60-140	4	
1,3-Dichlorobenzene	ug/L	ND	20	20	21.1	20.1	106	100	60-140	5	
1,3-Dichloropropane	ug/L	ND	20	20	24.5	23.5	123	118	60-140	4	
1,4-Dichlorobenzene	ug/L	ND	20	20	20.9	20.0	104	100	60-140	4	
2,2-Dichloropropane	ug/L	ND	20	20	14.5	13.7	72	69	60-140	5	
2-Chlorotoluene	ug/L	ND	20	20	21.4	20.5	107	103	60-140	4	
4-Chlorotoluene	ug/L	ND	20	20	21.2	20.3	106	102	60-140	4	
Benzene	ug/L	ND	20	20	21.4	21.0	107	105	60-140	2	
Bromobenzene	ug/L	ND	20	20	21.1	20.0	106	100	60-140	5	
Bromochloromethane	ug/L	ND	20	20	23.4	22.5	117	113	60-140	4	
Bromodichloromethane	ug/L	ND	20	20	22.3	21.4	112	107	60-140	4	
Bromoform	ug/L	ND	20	20	17.2	17.1	86	85	60-140	1	
Bromomethane	ug/L	ND	20	20	12.3	15.6	61	78	60-140	24	
Carbon tetrachloride	ug/L	ND	20	20	23.4	22.8	117	114	60-140	2	
Chlorobenzene	ug/L	ND	20	20	22.1	20.9	111	104	60-140	6	
Chloroethane	ug/L	ND	20	20	24.2	23.5	121	117	60-140	3	
Chloroform	ug/L	ND	20	20	22.6	22.9	113	114	60-140	1	
Chloromethane	ug/L	ND	20	20	17.5	17.6	88	88	60-140	1	
cis-1,2-Dichloroethene	ug/L	ND	20	20	23.1	22.0	115	110	60-140	5	
cis-1,3-Dichloropropene	ug/L	ND	20	20	21.9	21.3	110	106	60-140	3	
Dibromochloromethane	ug/L	ND	20	20	22.3	21.6	112	108	60-140	3	
Dibromomethane	ug/L	ND	20	20	21.2	20.5	106	102	60-140	3	
Dichlorodifluoromethane	ug/L	ND	20	20	28.5	26.9	142	135	60-140	5	M0
Diisopropyl ether	ug/L	ND	20	20	23.9	22.8	119	114	60-140	5	
Ethylbenzene	ug/L	ND	20	20	22.5	21.7	112	109	60-140	3	
Hexachloro-1,3-butadiene	ug/L	ND	20	20	17.2	16.8	86	84	60-140	3	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	21.9	21.1	109	105	60-140	4	
m&p-Xylene	ug/L	ND	40	40	43.6	43.9	109	110	60-140	1	
Methyl-tert-butyl ether	ug/L	ND	20	20	23.1	22.1	115	111	60-140	4	
Methylene Chloride	ug/L	ND	20	20	22.2	21.6	111	108	60-140	3	
n-Butylbenzene	ug/L	ND	20	20	21.4	20.2	107	101	60-140	6	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro 2013-077
Pace Project No.: 92157317

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 973359 973360

Parameter	Units	92157133001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
n-Propylbenzene	ug/L	ND	20	20	21.0	20.0	105	100	60-140	5	
Naphthalene	ug/L	ND	20	20	21.7	21.1	109	106	60-140	3	
o-Xylene	ug/L	ND	20	20	21.5	20.8	107	104	60-140	3	
sec-Butylbenzene	ug/L	ND	20	20	21.6	20.8	108	104	60-140	4	
Styrene	ug/L	ND	20	20	22.0	21.4	110	107	60-140	3	
tert-Butylbenzene	ug/L	ND	20	20	20.8	19.9	104	100	60-140	4	
Tetrachloroethene	ug/L	ND	20	20	22.0	20.3	110	102	60-140	8	
Toluene	ug/L	ND	20	20	21.6	20.7	108	104	60-140	4	
trans-1,2-Dichloroethene	ug/L	ND	20	20	23.2	22.3	116	111	60-140	4	
trans-1,3-Dichloropropene	ug/L	ND	20	20	23.9	23.6	119	118	60-140	1	
Trichloroethene	ug/L	ND	20	20	20.9	20.4	105	102	60-140	3	
Trichlorofluoromethane	ug/L	ND	20	20	25.8	24.3	129	122	60-140	6	
Vinyl chloride	ug/L	ND	20	20	21.7	21.4	109	107	60-140	1	
1,2-Dichloroethane-d4 (S)	%						107	106	70-130		
4-Bromofluorobenzene (S)	%						96	97	70-130		
Dibromofluoromethane (S)	%						104	104	70-130		
Toluene-d8 (S)	%						102	102	70-130		

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

QUALIFIERS

Project: Carrboro 2013-077
Pace Project No.: 92157317

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.

PRL - Pace Reporting Limit.

RL - Reporting 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.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

TNI - The NELAC Institute.

LABORATORIES

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

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

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Carrboro 2013-077
Pace Project No.: 92157317

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92157317001	**MW-1**	SM 6200B	MSV/22961		
92157317002	**MW-5**	SM 6200B	MSV/22961		

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

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: of 1551303

Section A Required Client Information:
Company: Pyramid Enviro
Address: 503 Industrial Ave Greensboro NC 27406
Email To:
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:
Report To: Pyramid
Copy To: S
Purchase Order No.:
Project Name: Carrboro
Project Number: 2013-077

Section C Invoice Information:
Attention: MICHAEL JONES
Company Name: PYRAMID
Address:
Pace Quote Reference:
Pace Project Manager: Kevin Godwin
Pace Profile #: 2982-2

REGULATORY AGENCY: ☐ NPDES ☑ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NC

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) 6200B	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-1	WT	G	5/6/13	08:50				4				X					X		001
2	MW-5	WT	G	5/6/13	08:15				4				X					X		002
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

NC TRUST FUND RATES 921573 17

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
slight sheen on Both Samples	Michael Jones	5/6/13	1305	[illegible]	5/6	1305				
	[illegible]	5/6	1615	[illegible]	5/6/13	1615	26	y	n	y
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: MICHAEL JONES
SIGNATURE of SAMPLER: Michael Jones DATE Signed (MM/DD/YY): 5/6/13

*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.

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

July 30, 2013

Mr. Mike Jones
Pyramid Environmental
P.O. Box 16265
503 Industrial Avenue
Greensboro, NC 27416

RE: Project: Don Christian/Carrboro
Pace Project No.: 92165484

Dear Mr. Jones:
Enclosed are the analytical results for sample(s) received by the laboratory on July 17, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted 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 Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Don Christian/Carrboro
Pace Project No.: 92165484

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Don Christian/Carrboro
Pace Project No.: 92165484

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92165484001	**MW-6**	EPA 625	BPJ	61	PASI-C
		EPA 8260	MCK	64	PASI-C
92165484002	**MW-4**	EPA 625	BPJ	59	PASI-C
		EPA 8260	MCK	64	PASI-C
92165484003	**MW-3**	EPA 625	BPJ	59	PASI-C
		EPA 8260	MCK	64	PASI-C

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

Pace Analytical
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Don Christian/Carrboro
Pace Project No.: 92165484

Sample: MW-6 **Lab ID: 92165484001** Collected: 07/15/13 08:40 Received: 07/17/13 14:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
Acenaphthene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	83-32-9	
Acenaphthylene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	208-96-8	
Anthracene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	120-12-7	
Benzo(a)anthracene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	207-08-9	
4-Bromophenylphenyl ether	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	101-55-3	
Butylbenzylphthalate	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	59-50-7	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	07/18/13 07:20	07/19/13 05:48	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	108-60-1	
2-Chloronaphthalene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	91-58-7	
2-Chlorophenol	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	7005-72-3	
Chrysene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	53-70-3	
3,3'-Dichlorobenzidine	ND	ug/L	25.0	1	07/18/13 07:20	07/19/13 05:48	91-94-1	
2,4-Dichlorophenol	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	120-83-2	
Diethylphthalate	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	07/18/13 07:20	07/19/13 05:48	105-67-9	
Dimethylphthalate	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	131-11-3	
Di-n-butylphthalate	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	07/18/13 07:20	07/19/13 05:48	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	1	07/18/13 07:20	07/19/13 05:48	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	606-20-2	
Di-n-octylphthalate	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	117-81-7	
Fluoranthene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	206-44-0	
Fluorene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	87-68-3	
Hexachlorobenzene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	07/18/13 07:20	07/19/13 05:48	77-47-4	
Hexachloroethane	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	193-39-5	
Isophorone	ND	ug/L	10.0	1	07/18/13 07:20	07/19/13 05:48	78-59-1	
Naphthalene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	91-20-3	
Nitrobenzene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	98-95-3	
2-Nitrophenol	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	07/18/13 07:20	07/19/13 05:48	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	07/18/13 07:20	07/19/13 05:48	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	1	07/18/13 07:20	07/19/13 05:48	87-86-5	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Don Christian/Carrboro
Pace Project No.: 92165484

Sample: MW-6 **Lab ID: 92165484001** Collected: 07/15/13 08:40 Received: 07/17/13 14:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
Phenanthrene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	85-01-8	
Phenol	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	108-95-2	
Pyrene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 05:48	120-82-1	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	07/18/13 07:20	07/19/13 05:48	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	72	%	10-120	1	07/18/13 07:20	07/19/13 05:48	4165-60-0	
2-Fluorobiphenyl (S)	74	%	15-120	1	07/18/13 07:20	07/19/13 05:48	321-60-8	
Terphenyl-d14 (S)	31	%	11-131	1	07/18/13 07:20	07/19/13 05:48	1718-51-0	
Phenol-d6 (S)	32	%	10-120	1	07/18/13 07:20	07/19/13 05:48	13127-88-3	
2-Fluorophenol (S)	41	%	10-120	1	07/18/13 07:20	07/19/13 05:48	367-12-4	
2,4,6-Tribromophenol (S)	83	%	10-137	1	07/18/13 07:20	07/19/13 05:48	118-79-6	
Tentatively Identified Compounds								
Unknown	**7.7**	ug/L		1	07/18/13 07:20	07/19/13 05:48		N
Unknown	**9.8**	ug/L		1	07/18/13 07:20	07/19/13 05:48		N
Indane	**6.2**	ug/L		1	07/18/13 07:20	07/19/13 05:48	496-11-7	N
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		07/25/13 05:54	67-64-1	
Benzene	ND	ug/L	1.0	1		07/25/13 05:54	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		07/25/13 05:54	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		07/25/13 05:54	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		07/25/13 05:54	75-27-4	
Bromoform	ND	ug/L	1.0	1		07/25/13 05:54	75-25-2	
Bromomethane	ND	ug/L	2.0	1		07/25/13 05:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		07/25/13 05:54	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		07/25/13 05:54	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		07/25/13 05:54	108-90-7	
Chloroethane	ND	ug/L	1.0	1		07/25/13 05:54	75-00-3	
Chloroform	ND	ug/L	1.0	1		07/25/13 05:54	67-66-3	
Chloromethane	ND	ug/L	1.0	1		07/25/13 05:54	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		07/25/13 05:54	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		07/25/13 05:54	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		07/25/13 05:54	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		07/25/13 05:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		07/25/13 05:54	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		07/25/13 05:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		07/25/13 05:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		07/25/13 05:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		07/25/13 05:54	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		07/25/13 05:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		07/25/13 05:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		07/25/13 05:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		07/25/13 05:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		07/25/13 05:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		07/25/13 05:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		07/25/13 05:54	78-87-5	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Don Christian/Carrboro
Pace Project No.: 92165484

Sample: MW-6 **Lab ID: 92165484001** Collected: 07/15/13 08:40 Received: 07/17/13 14:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,3-Dichloropropane	ND	ug/L	1.0	1		07/25/13 05:54	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		07/25/13 05:54	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		07/25/13 05:54	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		07/25/13 05:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		07/25/13 05:54	10061-02-6	
Diisopropyl ether	**80.0**	ug/L	1.0	1		07/25/13 05:54	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		07/25/13 05:54	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		07/25/13 05:54	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		07/25/13 05:54	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		07/25/13 05:54	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		07/25/13 05:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		07/25/13 05:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		07/25/13 05:54	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		07/25/13 05:54	91-20-3	
Styrene	ND	ug/L	1.0	1		07/25/13 05:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		07/25/13 05:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		07/25/13 05:54	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		07/25/13 05:54	127-18-4	
Toluene	ND	ug/L	1.0	1		07/25/13 05:54	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		07/25/13 05:54	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		07/25/13 05:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		07/25/13 05:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		07/25/13 05:54	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		07/25/13 05:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		07/25/13 05:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		07/25/13 05:54	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		07/25/13 05:54	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		07/25/13 05:54	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		07/25/13 05:54	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		07/25/13 05:54	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		07/25/13 05:54	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	97	%	70-130	1		07/25/13 05:54	460-00-4	
Dibromofluoromethane (S)	99	%	70-130	1		07/25/13 05:54	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	70-130	1		07/25/13 05:54	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		07/25/13 05:54	2037-26-5	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Don Christian/Carrboro
Pace Project No.: 92165484

Sample: MW-4 **Lab ID: 92165484002** Collected: 07/15/13 14:30 Received: 07/17/13 14:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
Acenaphthene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	83-32-9	
Acenaphthylene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	208-96-8	
Anthracene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	120-12-7	
Benzo(a)anthracene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	207-08-9	
4-Bromophenylphenyl ether	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	101-55-3	
Butylbenzylphthalate	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	59-50-7	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	07/18/13 07:20	07/19/13 06:17	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	108-60-1	
2-Chloronaphthalene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	91-58-7	
2-Chlorophenol	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	7005-72-3	
Chrysene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	53-70-3	
3,3'-Dichlorobenzidine	ND	ug/L	25.0	1	07/18/13 07:20	07/19/13 06:17	91-94-1	
2,4-Dichlorophenol	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	120-83-2	
Diethylphthalate	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	07/18/13 07:20	07/19/13 06:17	105-67-9	
Dimethylphthalate	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	131-11-3	
Di-n-butylphthalate	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	07/18/13 07:20	07/19/13 06:17	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	1	07/18/13 07:20	07/19/13 06:17	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	606-20-2	
Di-n-octylphthalate	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	117-81-7	
Fluoranthene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	206-44-0	
Fluorene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	87-68-3	
Hexachlorobenzene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	07/18/13 07:20	07/19/13 06:17	77-47-4	
Hexachloroethane	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	193-39-5	
Isophorone	ND	ug/L	10.0	1	07/18/13 07:20	07/19/13 06:17	78-59-1	
Naphthalene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	91-20-3	
Nitrobenzene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	98-95-3	
2-Nitrophenol	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	07/18/13 07:20	07/19/13 06:17	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	07/18/13 07:20	07/19/13 06:17	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	1	07/18/13 07:20	07/19/13 06:17	87-86-5	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Don Christian/Carrboro
Pace Project No.: 92165484

Sample: MW-4 **Lab ID: 92165484002** Collected: 07/15/13 14:30 Received: 07/17/13 14:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
Phenanthrene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	85-01-8	
Phenol	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	108-95-2	
Pyrene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:17	120-82-1	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	07/18/13 07:20	07/19/13 06:17	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	68	%	10-120	1	07/18/13 07:20	07/19/13 06:17	4165-60-0	
2-Fluorobiphenyl (S)	62	%	15-120	1	07/18/13 07:20	07/19/13 06:17	321-60-8	
Terphenyl-d14 (S)	25	%	11-131	1	07/18/13 07:20	07/19/13 06:17	1718-51-0	
Phenol-d6 (S)	31	%	10-120	1	07/18/13 07:20	07/19/13 06:17	13127-88-3	
2-Fluorophenol (S)	37	%	10-120	1	07/18/13 07:20	07/19/13 06:17	367-12-4	
2,4,6-Tribromophenol (S)	61	%	10-137	1	07/18/13 07:20	07/19/13 06:17	118-79-6	
Tentatively Identified Compounds								
Unknown	**17.1**	ug/L		1	07/18/13 07:20	07/19/13 06:17		N
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		07/25/13 06:11	67-64-1	
Benzene	ND	ug/L	1.0	1		07/25/13 06:11	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		07/25/13 06:11	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		07/25/13 06:11	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		07/25/13 06:11	75-27-4	
Bromoform	ND	ug/L	1.0	1		07/25/13 06:11	75-25-2	
Bromomethane	ND	ug/L	2.0	1		07/25/13 06:11	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		07/25/13 06:11	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		07/25/13 06:11	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		07/25/13 06:11	108-90-7	
Chloroethane	ND	ug/L	1.0	1		07/25/13 06:11	75-00-3	
Chloroform	ND	ug/L	1.0	1		07/25/13 06:11	67-66-3	
Chloromethane	ND	ug/L	1.0	1		07/25/13 06:11	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		07/25/13 06:11	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		07/25/13 06:11	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		07/25/13 06:11	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		07/25/13 06:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		07/25/13 06:11	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		07/25/13 06:11	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		07/25/13 06:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		07/25/13 06:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		07/25/13 06:11	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		07/25/13 06:11	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		07/25/13 06:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		07/25/13 06:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		07/25/13 06:11	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		07/25/13 06:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		07/25/13 06:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		07/25/13 06:11	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		07/25/13 06:11	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		07/25/13 06:11	594-20-7	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Don Christian/Carrboro
Pace Project No.: 92165484

Sample: MW-4 **Lab ID: 92165484002** Collected: 07/15/13 14:30 Received: 07/17/13 14:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,1-Dichloropropene	ND	ug/L	1.0	1		07/25/13 06:11	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		07/25/13 06:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		07/25/13 06:11	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		07/25/13 06:11	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		07/25/13 06:11	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		07/25/13 06:11	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		07/25/13 06:11	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		07/25/13 06:11	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		07/25/13 06:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		07/25/13 06:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		07/25/13 06:11	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		07/25/13 06:11	91-20-3	
Styrene	ND	ug/L	1.0	1		07/25/13 06:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		07/25/13 06:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		07/25/13 06:11	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		07/25/13 06:11	127-18-4	
Toluene	ND	ug/L	1.0	1		07/25/13 06:11	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		07/25/13 06:11	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		07/25/13 06:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		07/25/13 06:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		07/25/13 06:11	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		07/25/13 06:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		07/25/13 06:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		07/25/13 06:11	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		07/25/13 06:11	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		07/25/13 06:11	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		07/25/13 06:11	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		07/25/13 06:11	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		07/25/13 06:11	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%	70-130	1		07/25/13 06:11	460-00-4	
Dibromofluoromethane (S)	97	%	70-130	1		07/25/13 06:11	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	70-130	1		07/25/13 06:11	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		07/25/13 06:11	2037-26-5	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Don Christian/Carrboro
Pace Project No.: 92165484

Sample: MW-3 **Lab ID: 92165484003** Collected: 07/15/13 15:00 Received: 07/17/13 14:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
Acenaphthene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	83-32-9	
Acenaphthylene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	208-96-8	
Anthracene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	120-12-7	
Benzo(a)anthracene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	207-08-9	
4-Bromophenylphenyl ether	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	101-55-3	
Butylbenzylphthalate	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	59-50-7	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	07/18/13 07:20	07/19/13 06:45	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	108-60-1	
2-Chloronaphthalene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	91-58-7	
2-Chlorophenol	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	7005-72-3	
Chrysene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	53-70-3	
3,3'-Dichlorobenzidine	ND	ug/L	25.0	1	07/18/13 07:20	07/19/13 06:45	91-94-1	
2,4-Dichlorophenol	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	120-83-2	
Diethylphthalate	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	07/18/13 07:20	07/19/13 06:45	105-67-9	
Dimethylphthalate	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	131-11-3	
Di-n-butylphthalate	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	07/18/13 07:20	07/19/13 06:45	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	1	07/18/13 07:20	07/19/13 06:45	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	606-20-2	
Di-n-octylphthalate	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	117-81-7	
Fluoranthene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	206-44-0	
Fluorene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	87-68-3	
Hexachlorobenzene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	07/18/13 07:20	07/19/13 06:45	77-47-4	
Hexachloroethane	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	193-39-5	
Isophorone	ND	ug/L	10.0	1	07/18/13 07:20	07/19/13 06:45	78-59-1	
Naphthalene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	91-20-3	
Nitrobenzene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	98-95-3	
2-Nitrophenol	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	07/18/13 07:20	07/19/13 06:45	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	07/18/13 07:20	07/19/13 06:45	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	1	07/18/13 07:20	07/19/13 06:45	87-86-5	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Don Christian/Carrboro
Pace Project No.: 92165484

Sample: MW-3 **Lab ID: 92165484003** Collected: 07/15/13 15:00 Received: 07/17/13 14:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
Phenanthrene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	85-01-8	
Phenol	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	108-95-2	
Pyrene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1	07/18/13 07:20	07/19/13 06:45	120-82-1	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	07/18/13 07:20	07/19/13 06:45	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	69	%	10-120	1	07/18/13 07:20	07/19/13 06:45	4165-60-0	
2-Fluorobiphenyl (S)	76	%	15-120	1	07/18/13 07:20	07/19/13 06:45	321-60-8	
Terphenyl-d14 (S)	35	%	11-131	1	07/18/13 07:20	07/19/13 06:45	1718-51-0	
Phenol-d6 (S)	28	%	10-120	1	07/18/13 07:20	07/19/13 06:45	13127-88-3	
2-Fluorophenol (S)	36	%	10-120	1	07/18/13 07:20	07/19/13 06:45	367-12-4	
2,4,6-Tribromophenol (S)	76	%	10-137	1	07/18/13 07:20	07/19/13 06:45	118-79-6	
Tentatively Identified Compounds								
Nonadecane	**6.6**	ug/L		1	07/18/13 07:20	07/19/13 06:45	629-92-5	N
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		07/25/13 06:28	67-64-1	
Benzene	ND	ug/L	1.0	1		07/25/13 06:28	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		07/25/13 06:28	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		07/25/13 06:28	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		07/25/13 06:28	75-27-4	
Bromoform	ND	ug/L	1.0	1		07/25/13 06:28	75-25-2	
Bromomethane	ND	ug/L	2.0	1		07/25/13 06:28	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		07/25/13 06:28	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		07/25/13 06:28	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		07/25/13 06:28	108-90-7	
Chloroethane	ND	ug/L	1.0	1		07/25/13 06:28	75-00-3	
Chloroform	ND	ug/L	1.0	1		07/25/13 06:28	67-66-3	
Chloromethane	ND	ug/L	1.0	1		07/25/13 06:28	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		07/25/13 06:28	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		07/25/13 06:28	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		07/25/13 06:28	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		07/25/13 06:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		07/25/13 06:28	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		07/25/13 06:28	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		07/25/13 06:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		07/25/13 06:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		07/25/13 06:28	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		07/25/13 06:28	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		07/25/13 06:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		07/25/13 06:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		07/25/13 06:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		07/25/13 06:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		07/25/13 06:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		07/25/13 06:28	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		07/25/13 06:28	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		07/25/13 06:28	594-20-7	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Don Christian/Carrboro
Pace Project No.: 92165484

Sample: MW-3 **Lab ID: 92165484003** Collected: 07/15/13 15:00 Received: 07/17/13 14:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,1-Dichloropropene	ND	ug/L	1.0	1		07/25/13 06:28	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		07/25/13 06:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		07/25/13 06:28	10061-02-6	
Diisopropyl ether	**8.3**	ug/L	1.0	1		07/25/13 06:28	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		07/25/13 06:28	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		07/25/13 06:28	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		07/25/13 06:28	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		07/25/13 06:28	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		07/25/13 06:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		07/25/13 06:28	108-10-1	
Methyl-tert-butyl ether	**34.2**	ug/L	1.0	1		07/25/13 06:28	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		07/25/13 06:28	91-20-3	
Styrene	ND	ug/L	1.0	1		07/25/13 06:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		07/25/13 06:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		07/25/13 06:28	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		07/25/13 06:28	127-18-4	
Toluene	ND	ug/L	1.0	1		07/25/13 06:28	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		07/25/13 06:28	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		07/25/13 06:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		07/25/13 06:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		07/25/13 06:28	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		07/25/13 06:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		07/25/13 06:28	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		07/25/13 06:28	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		07/25/13 06:28	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		07/25/13 06:28	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		07/25/13 06:28	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		07/25/13 06:28	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		07/25/13 06:28	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	97	%	70-130	1		07/25/13 06:28	460-00-4	
Dibromofluoromethane (S)	97	%	70-130	1		07/25/13 06:28	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	70-130	1		07/25/13 06:28	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		07/25/13 06:28	2037-26-5	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Don Christian/Carrboro
Pace Project No.: 92165484

QC Batch: MSV/23727 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92165484001, 92165484002, 92165484003

METHOD BLANK: 1016338 Matrix: Water
Associated Lab Samples: 92165484001, 92165484002, 92165484003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	07/25/13 05:04	
1,1,1-Trichloroethane	ug/L	ND	1.0	07/25/13 05:04	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	07/25/13 05:04	
1,1,2-Trichloroethane	ug/L	ND	1.0	07/25/13 05:04	
1,1-Dichloroethane	ug/L	ND	1.0	07/25/13 05:04	
1,1-Dichloroethene	ug/L	ND	1.0	07/25/13 05:04	
1,1-Dichloropropene	ug/L	ND	1.0	07/25/13 05:04	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	07/25/13 05:04	
1,2,3-Trichloropropane	ug/L	ND	1.0	07/25/13 05:04	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	07/25/13 05:04	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	07/25/13 05:04	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	07/25/13 05:04	
1,2-Dichlorobenzene	ug/L	ND	1.0	07/25/13 05:04	
1,2-Dichloroethane	ug/L	ND	1.0	07/25/13 05:04	
1,2-Dichloropropane	ug/L	ND	1.0	07/25/13 05:04	
1,3-Dichlorobenzene	ug/L	ND	1.0	07/25/13 05:04	
1,3-Dichloropropane	ug/L	ND	1.0	07/25/13 05:04	
1,4-Dichlorobenzene	ug/L	ND	1.0	07/25/13 05:04	
2,2-Dichloropropane	ug/L	ND	1.0	07/25/13 05:04	
2-Butanone (MEK)	ug/L	ND	5.0	07/25/13 05:04	
2-Chlorotoluene	ug/L	ND	1.0	07/25/13 05:04	
2-Hexanone	ug/L	ND	5.0	07/25/13 05:04	
4-Chlorotoluene	ug/L	ND	1.0	07/25/13 05:04	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	07/25/13 05:04	
Acetone	ug/L	ND	25.0	07/25/13 05:04	
Benzene	ug/L	ND	1.0	07/25/13 05:04	
Bromobenzene	ug/L	ND	1.0	07/25/13 05:04	
Bromochloromethane	ug/L	ND	1.0	07/25/13 05:04	
Bromodichloromethane	ug/L	ND	1.0	07/25/13 05:04	
Bromoform	ug/L	ND	1.0	07/25/13 05:04	
Bromomethane	ug/L	ND	2.0	07/25/13 05:04	
Carbon tetrachloride	ug/L	ND	1.0	07/25/13 05:04	
Chlorobenzene	ug/L	ND	1.0	07/25/13 05:04	
Chloroethane	ug/L	ND	1.0	07/25/13 05:04	
Chloroform	ug/L	ND	1.0	07/25/13 05:04	
Chloromethane	ug/L	ND	1.0	07/25/13 05:04	
cis-1,2-Dichloroethene	ug/L	ND	1.0	07/25/13 05:04	
cis-1,3-Dichloropropene	ug/L	ND	1.0	07/25/13 05:04	
Dibromochloromethane	ug/L	ND	1.0	07/25/13 05:04	
Dibromomethane	ug/L	ND	1.0	07/25/13 05:04	
Dichlorodifluoromethane	ug/L	ND	1.0	07/25/13 05:04	
Diisopropyl ether	ug/L	ND	1.0	07/25/13 05:04	
Ethylbenzene	ug/L	ND	1.0	07/25/13 05:04	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Don Christian/Carrboro
Pace Project No.: 92165484

METHOD BLANK: 1016338 Matrix: Water

Associated Lab Samples: 92165484001, 92165484002, 92165484003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	1.0	07/25/13 05:04	
m&p-Xylene	ug/L	ND	2.0	07/25/13 05:04	
Methyl-tert-butyl ether	ug/L	ND	1.0	07/25/13 05:04	
Methylene Chloride	ug/L	ND	2.0	07/25/13 05:04	
Naphthalene	ug/L	ND	1.0	07/25/13 05:04	
o-Xylene	ug/L	ND	1.0	07/25/13 05:04	
p-Isopropyltoluene	ug/L	ND	1.0	07/25/13 05:04	
Styrene	ug/L	ND	1.0	07/25/13 05:04	
Tetrachloroethene	ug/L	ND	1.0	07/25/13 05:04	
Toluene	ug/L	ND	1.0	07/25/13 05:04	
trans-1,2-Dichloroethene	ug/L	ND	1.0	07/25/13 05:04	
trans-1,3-Dichloropropene	ug/L	ND	1.0	07/25/13 05:04	
Trichloroethene	ug/L	ND	1.0	07/25/13 05:04	
Trichlorofluoromethane	ug/L	ND	1.0	07/25/13 05:04	
Vinyl acetate	ug/L	ND	2.0	07/25/13 05:04	
Vinyl chloride	ug/L	ND	1.0	07/25/13 05:04	
Xylene (Total)	ug/L	ND	2.0	07/25/13 05:04	
1,2-Dichloroethane-d4 (S)	%	99	70-130	07/25/13 05:04	
4-Bromofluorobenzene (S)	%	97	70-130	07/25/13 05:04	
Dibromofluoromethane (S)	%	98	70-130	07/25/13 05:04	
Toluene-d8 (S)	%	100	70-130	07/25/13 05:04	

LABORATORY CONTROL SAMPLE: 1016339

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	47.4	95	70-130	
1,1,1-Trichloroethane	ug/L	50	57.1	114	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.8	102	70-130	
1,1,2-Trichloroethane	ug/L	50	53.6	107	70-130	
1,1-Dichloroethane	ug/L	50	56.0	112	70-130	
1,1-Dichloroethene	ug/L	50	54.8	110	70-132	
1,1-Dichloropropene	ug/L	50	55.4	111	70-130	
1,2,3-Trichlorobenzene	ug/L	50	48.9	98	70-135	
1,2,3-Trichloropropane	ug/L	50	45.8	92	70-130	
1,2,4-Trichlorobenzene	ug/L	50	49.0	98	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	51.1	102	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	52.7	105	70-130	
1,2-Dichlorobenzene	ug/L	50	51.8	104	70-130	
1,2-Dichloroethane	ug/L	50	48.4	97	70-130	
1,2-Dichloropropane	ug/L	50	50.9	102	70-130	
1,3-Dichlorobenzene	ug/L	50	50.9	102	70-130	
1,3-Dichloropropane	ug/L	50	48.7	97	70-130	
1,4-Dichlorobenzene	ug/L	50	50.8	102	70-130	
2,2-Dichloropropane	ug/L	50	47.2	94	58-145	
2-Butanone (MEK)	ug/L	100	104	104	70-145	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Don Christian/Carrboro
Pace Project No.: 92165484

LABORATORY CONTROL SAMPLE: 1016339

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Chlorotoluene	ug/L	50	51.5	103	70-130	
2-Hexanone	ug/L	100	104	104	70-144	
4-Chlorotoluene	ug/L	50	52.8	106	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	104	104	70-140	
Acetone	ug/L	100	96.7	97	50-175	
Benzene	ug/L	50	54.0	108	70-130	
Bromobenzene	ug/L	50	50.4	101	70-130	
Bromochloromethane	ug/L	50	54.0	108	70-130	
Bromodichloromethane	ug/L	50	47.4	95	70-130	
Bromoform	ug/L	50	47.5	95	70-130	
Bromomethane	ug/L	50	44.1	88	54-130	
Carbon tetrachloride	ug/L	50	51.4	103	70-132	
Chlorobenzene	ug/L	50	51.6	103	70-130	
Chloroethane	ug/L	50	54.5	109	64-134	
Chloroform	ug/L	50	53.8	108	70-130	
Chloromethane	ug/L	50	46.8	94	64-130	
cis-1,2-Dichloroethene	ug/L	50	53.9	108	70-131	
cis-1,3-Dichloropropene	ug/L	50	46.0	92	70-130	
Dibromochloromethane	ug/L	50	47.3	95	70-130	
Dibromomethane	ug/L	50	53.6	107	70-131	
Dichlorodifluoromethane	ug/L	50	37.4	75	56-130	
Diisopropyl ether	ug/L	50	54.7	109	70-130	
Ethylbenzene	ug/L	50	51.8	104	70-130	
Hexachloro-1,3-butadiene	ug/L	50	49.9	100	70-130	
m&p-Xylene	ug/L	100	105	105	70-130	
Methyl-tert-butyl ether	ug/L	50	57.8	116	70-130	
Methylene Chloride	ug/L	50	57.3	115	63-130	
Naphthalene	ug/L	50	51.0	102	70-138	
o-Xylene	ug/L	50	52.3	105	70-130	
p-Isopropyltoluene	ug/L	50	53.4	107	70-130	
Styrene	ug/L	50	54.1	108	70-130	
Tetrachloroethene	ug/L	50	51.0	102	70-130	
Toluene	ug/L	50	52.7	105	70-130	
trans-1,2-Dichloroethene	ug/L	50	54.2	108	70-130	
trans-1,3-Dichloropropene	ug/L	50	45.6	91	70-132	
Trichloroethene	ug/L	50	49.3	99	70-130	
Trichlorofluoromethane	ug/L	50	45.0	90	62-133	
Vinyl acetate	ug/L	100	115	115	66-157	
Vinyl chloride	ug/L	50	49.9	100	69-130	
Xylene (Total)	ug/L	150	158	105	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			102	70-130	
Toluene-d8 (S)	%			100	70-130	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Don Christian/Carrboro
Pace Project No.: 92165484

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1017675 1017676

Parameter	Units	92165484003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	55.1	50.2	110	100	70-166	9	
Benzene	ug/L	ND	50	50	60.2	61.0	120	122	70-148	1	
Chlorobenzene	ug/L	ND	50	50	59.7	61.3	119	123	70-146	3	
Toluene	ug/L	ND	50	50	58.3	59.2	117	118	70-155	2	
Trichloroethene	ug/L	ND	50	50	63.1	63.3	126	127	69-151	0	
1,2-Dichloroethane-d4 (S)	%						104	103	70-130		
4-Bromofluorobenzene (S)	%						97	97	70-130		
Dibromofluoromethane (S)	%						104	97	70-130		
Toluene-d8 (S)	%						98	96	70-130		

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

Pace Analytical
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Don Christian/Carrboro
Pace Project No.: 92165484

QC Batch: OEXT/23011 Analysis Method: EPA 625
QC Batch Method: EPA 625 Analysis Description: 625 MSS
Associated Lab Samples: 92165484001, 92165484002, 92165484003

METHOD BLANK: 1011434 Matrix: Water
Associated Lab Samples: 92165484001, 92165484002, 92165484003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	07/18/13 23:34	
2,4,6-Trichlorophenol	ug/L	ND	10.0	07/18/13 23:34	
2,4-Dichlorophenol	ug/L	ND	5.0	07/18/13 23:34	
2,4-Dimethylphenol	ug/L	ND	10.0	07/18/13 23:34	
2,4-Dinitrophenol	ug/L	ND	50.0	07/18/13 23:34	
2,4-Dinitrotoluene	ug/L	ND	5.0	07/18/13 23:34	
2,6-Dinitrotoluene	ug/L	ND	5.0	07/18/13 23:34	
2-Chloronaphthalene	ug/L	ND	5.0	07/18/13 23:34	
2-Chlorophenol	ug/L	ND	5.0	07/18/13 23:34	
2-Nitrophenol	ug/L	ND	5.0	07/18/13 23:34	
3,3'-Dichlorobenzidine	ug/L	ND	25.0	07/18/13 23:34	
4,6-Dinitro-2-methylphenol	ug/L	ND	20.0	07/18/13 23:34	
4-Bromophenylphenyl ether	ug/L	ND	5.0	07/18/13 23:34	
4-Chloro-3-methylphenol	ug/L	ND	5.0	07/18/13 23:34	
4-Chlorophenylphenyl ether	ug/L	ND	5.0	07/18/13 23:34	
4-Nitrophenol	ug/L	ND	50.0	07/18/13 23:34	
Acenaphthene	ug/L	ND	5.0	07/18/13 23:34	
Acenaphthylene	ug/L	ND	5.0	07/18/13 23:34	
Anthracene	ug/L	ND	5.0	07/18/13 23:34	
Benzo(a)anthracene	ug/L	ND	5.0	07/18/13 23:34	
Benzo(a)pyrene	ug/L	ND	5.0	07/18/13 23:34	
Benzo(b)fluoranthene	ug/L	ND	5.0	07/18/13 23:34	
Benzo(g,h,i)perylene	ug/L	ND	5.0	07/18/13 23:34	
Benzo(k)fluoranthene	ug/L	ND	5.0	07/18/13 23:34	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	07/18/13 23:34	
bis(2-Chloroethyl) ether	ug/L	ND	5.0	07/18/13 23:34	
bis(2-Chloroisopropyl) ether	ug/L	ND	5.0	07/18/13 23:34	
bis(2-Ethylhexyl)phthalate	ug/L	ND	5.0	07/18/13 23:34	
Butylbenzylphthalate	ug/L	ND	5.0	07/18/13 23:34	
Chrysene	ug/L	ND	5.0	07/18/13 23:34	
Di-n-butylphthalate	ug/L	ND	5.0	07/18/13 23:34	
Di-n-octylphthalate	ug/L	ND	5.0	07/18/13 23:34	
Dibenz(a,h)anthracene	ug/L	ND	5.0	07/18/13 23:34	
Diethylphthalate	ug/L	ND	5.0	07/18/13 23:34	
Dimethylphthalate	ug/L	ND	5.0	07/18/13 23:34	
Fluoranthene	ug/L	ND	5.0	07/18/13 23:34	
Fluorene	ug/L	ND	5.0	07/18/13 23:34	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	07/18/13 23:34	
Hexachlorobenzene	ug/L	ND	5.0	07/18/13 23:34	
Hexachlorocyclopentadiene	ug/L	ND	10.0	07/18/13 23:34	
Hexachloroethane	ug/L	ND	5.0	07/18/13 23:34	
Indeno(1,2,3-cd)pyrene	ug/L	ND	5.0	07/18/13 23:34	
Isophorone	ug/L	ND	10.0	07/18/13 23:34	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Don Christian/Carrboro
Pace Project No.: 92165484

METHOD BLANK: 1011434 Matrix: Water

Associated Lab Samples: 92165484001, 92165484002, 92165484003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
N-Nitroso-di-n-propylamine	ug/L	ND	5.0	07/18/13 23:34	
N-Nitrosodimethylamine	ug/L	ND	5.0	07/18/13 23:34	
N-Nitrosodiphenylamine	ug/L	ND	10.0	07/18/13 23:34	
Naphthalene	ug/L	ND	5.0	07/18/13 23:34	
Nitrobenzene	ug/L	ND	5.0	07/18/13 23:34	
Pentachlorophenol	ug/L	ND	25.0	07/18/13 23:34	
Phenanthrene	ug/L	ND	5.0	07/18/13 23:34	
Phenol	ug/L	ND	5.0	07/18/13 23:34	
Pyrene	ug/L	ND	5.0	07/18/13 23:34	
2,4,6-Tribromophenol (S)	%	77	10-137	07/18/13 23:34	
2-Fluorobiphenyl (S)	%	83	15-120	07/18/13 23:34	
2-Fluorophenol (S)	%	46	10-120	07/18/13 23:34	
Nitrobenzene-d5 (S)	%	77	10-120	07/18/13 23:34	
Phenol-d6 (S)	%	35	10-120	07/18/13 23:34	
Terphenyl-d14 (S)	%	78	11-131	07/18/13 23:34	

LABORATORY CONTROL SAMPLE: 1011435

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	36.0	72	44-142	
2,4,6-Trichlorophenol	ug/L	50	38.8	78	37-144	
2,4-Dichlorophenol	ug/L	50	38.9	78	1-191	
2,4-Dimethylphenol	ug/L	50	41.0	82	32-119	
2,4-Dinitrophenol	ug/L	250	191	76	1-181	
2,4-Dinitrotoluene	ug/L	50	46.9	94	39-139	
2,6-Dinitrotoluene	ug/L	50	46.9	94	50-158	
2-Chloronaphthalene	ug/L	50	39.1	78	60-118	
2-Chlorophenol	ug/L	50	35.1	70	23-134	
2-Nitrophenol	ug/L	50	41.2	82	29-182	
3,3'-Dichlorobenzidine	ug/L	100	82.9	83	1-262	
4,6-Dinitro-2-methylphenol	ug/L	100	91.9	92	1-181	
4-Bromophenylphenyl ether	ug/L	50	34.6	69	53-127	
4-Chloro-3-methylphenol	ug/L	100	77.1	77	22-147	
4-Chlorophenylphenyl ether	ug/L	50	34.5	69	25-158	
4-Nitrophenol	ug/L	250	106	42	1-132	
Acenaphthene	ug/L	50	41.9	84	47-145	
Acenaphthylene	ug/L	50	41.0	82	33-145	
Anthracene	ug/L	50	44.3	89	1-166	
Benzo(a)anthracene	ug/L	50	44.5	89	33-143	
Benzo(a)pyrene	ug/L	50	46.0	92	17-163	
Benzo(b)fluoranthene	ug/L	50	46.3	93	24-159	
Benzo(g,h,i)perylene	ug/L	50	44.0	88	1-219	
Benzo(k)fluoranthene	ug/L	50	40.2	80	11-162	
bis(2-Chloroethoxy)methane	ug/L	50	30.8	62	33-184	
bis(2-Chloroethyl) ether	ug/L	50	32.5	65	12-158	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Don Christian/Carrboro
Pace Project No.: 92165484

LABORATORY CONTROL SAMPLE: 1011435

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
bis(2-Chloroisopropyl) ether	ug/L	50	26.5	53	36-166	
bis(2-Ethylhexyl)phthalate	ug/L	50	49.1	98	8-158	
Butylbenzylphthalate	ug/L	50	46.2	92	1-152	
Chrysene	ug/L	50	44.9	90	17-168	
Di-n-butylphthalate	ug/L	50	45.8	92	1-118	
Di-n-octylphthalate	ug/L	50	51.9	104	4-146	
Dibenz(a,h)anthracene	ug/L	50	45.5	91	1-227	
Diethylphthalate	ug/L	50	43.7	87	1-114	
Dimethylphthalate	ug/L	50	43.6	87	1-112	
Fluoranthene	ug/L	50	46.6	93	26-137	
Fluorene	ug/L	50	43.6	87	59-121	
Hexachloro-1,3-butadiene	ug/L	50	35.0	70	24-116	
Hexachlorobenzene	ug/L	50	43.3	87	1-152	
Hexachlorocyclopentadiene	ug/L	50	54.4	109	25-150	
Hexachloroethane	ug/L	50	34.0	68	40-113	
Indeno(1,2,3-cd)pyrene	ug/L	50	43.9	88	1-171	
Isophorone	ug/L	50	41.4	83	21-196	
N-Nitroso-di-n-propylamine	ug/L	50	41.8	84	1-230	
N-Nitrosodimethylamine	ug/L	50	25.8	52	25-150	
N-Nitrosodiphenylamine	ug/L	50	37.4	75	25-150	
Naphthalene	ug/L	50	37.4	75	21-133	
Nitrobenzene	ug/L	50	39.7	79	35-180	
Pentachlorophenol	ug/L	100	67.8	68	14-176	
Phenanthrene	ug/L	50	43.7	87	54-120	
Phenol	ug/L	50	19.4	39	5-112	
Pyrene	ug/L	50	43.8	88	52-115	
2,4,6-Tribromophenol (S)	%			99	10-137	
2-Fluorobiphenyl (S)	%			82	15-120	
2-Fluorophenol (S)	%			51	10-120	
Nitrobenzene-d5 (S)	%			80	10-120	
Phenol-d6 (S)	%			41	10-120	
Terphenyl-d14 (S)	%			77	11-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1011436 1011437

Parameter	Units	92165282002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2,4-Trichlorobenzene	ug/L	ND	100	100	77.2	71.1	77	71	44-142	8	
2,4,6-Trichlorophenol	ug/L	ND	100	100	78.2	73.8	78	74	37-144	6	
2,4-Dichlorophenol	ug/L	ND	100	100	76.7	74.0	77	74	1-191	4	
2,4-Dimethylphenol	ug/L	ND	100	100	77.8	73.7	78	74	32-119	5	
2,4-Dinitrophenol	ug/L	ND	500	500	334	432	67	86	1-181	26	
2,4-Dinitrotoluene	ug/L	ND	100	100	90.3	91.8	90	92	39-139	2	
2,6-Dinitrotoluene	ug/L	ND	100	100	90.3	91.8	90	92	50-158	2	
2-Chloronaphthalene	ug/L	ND	100	100	80.1	72.6	80	73	60-118	10	
2-Chlorophenol	ug/L	ND	100	100	75.7	71.1	76	71	23-134	6	
2-Nitrophenol	ug/L	ND	100	100	84.5	79.5	84	79	29-182	6	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Don Christian/Carrboro
Pace Project No.: 92165484

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1011436 1011437

Parameter	Units	92165282002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
3,3'-Dichlorobenzidine	ug/L	ND	200	200	111	101	55	51	1-262	9	
4,6-Dinitro-2-methylphenol	ug/L	ND	200	200	155	173	78	86	1-181	11	
4-Bromophenylphenyl ether	ug/L	ND	100	100	70.3	64.1	70	64	53-127	9	
4-Chloro-3-methylphenol	ug/L	ND	200	200	145	153	72	77	22-147	6	
4-Chlorophenylphenyl ether	ug/L	ND	100	100	68.0	65.4	68	65	25-158	4	
4-Nitrophenol	ug/L	ND	500	500	220	251	44	50	1-132	13	
Acenaphthene	ug/L	ND	100	100	83.8	78.5	84	79	47-145	6	
Acenaphthylene	ug/L	ND	100	100	81.0	76.9	81	77	33-145	5	
Anthracene	ug/L	ND	100	100	89.2	83.0	89	83	1-166	7	
Benzo(a)anthracene	ug/L	ND	100	100	88.3	84.0	88	84	33-143	5	
Benzo(a)pyrene	ug/L	ND	100	100	92.1	86.3	92	86	17-163	6	
Benzo(b)fluoranthene	ug/L	ND	100	100	89.6	82.1	90	82	24-159	9	
Benzo(g,h,i)perylene	ug/L	ND	100	100	84.7	82.8	85	83	1-219	2	
Benzo(k)fluoranthene	ug/L	ND	100	100	82.5	79.3	83	79	11-162	4	
bis(2-Chloroethoxy)methane	ug/L	ND	100	100	61.0	58.2	61	58	33-184	5	
bis(2-Chloroethyl) ether	ug/L	ND	100	100	141	103	141	103	12-158	30	
bis(2-Chloroisopropyl) ether	ug/L	ND	100	100	55.9	52.6	56	53	36-166	6	
bis(2-Ethylhexyl)phthalate	ug/L	ND	100	100	112	94.7	112	95	8-158	17	
Butylbenzylphthalate	ug/L	ND	100	100	93.7	89.3	94	89	1-152	5	
Chrysene	ug/L	ND	100	100	90.0	85.4	90	85	17-168	5	
Di-n-butylphthalate	ug/L	ND	100	100	91.1	86.5	91	87	1-118	5	
Di-n-octylphthalate	ug/L	ND	100	100	103	99.7	103	100	4-146	4	
Dibenz(a,h)anthracene	ug/L	ND	100	100	88.1	85.5	88	85	1-227	3	
Diethylphthalate	ug/L	ND	100	100	85.2	85.8	85	86	1-114	1	
Dimethylphthalate	ug/L	ND	100	100	84.8	85.0	85	85	1-112	0	
Fluoranthene	ug/L	ND	100	100	91.9	86.1	92	86	26-137	7	
Fluorene	ug/L	ND	100	100	85.3	82.2	85	82	59-121	4	
Hexachloro-1,3-butadiene	ug/L	ND	100	100	73.5	68.9	74	69	24-116	6	
Hexachlorobenzene	ug/L	ND	100	100	88.8	81.8	89	82	1-152	8	
Hexachlorocyclopentadiene	ug/L	ND	100	100	107	98.6	107	99	25-150	8	
Hexachloroethane	ug/L	ND	100	100	72.7	66.7	73	67	40-113	9	
Indeno(1,2,3-cd)pyrene	ug/L	ND	100	100	87.6	81.4	88	81	1-171	7	
Isophorone	ug/L	ND	100	100	82.8	79.1	83	79	21-196	5	
N-Nitroso-di-n-propylamine	ug/L	ND	100	100	88.3	82.5	88	82	1-230	7	
N-Nitrosodimethylamine	ug/L	ND	100	100	56.5	55.1	56	55	25-150	2	
N-Nitrosodiphenylamine	ug/L	ND	100	100	73.0	65.9	73	66	25-150	10	
Naphthalene	ug/L	ND	100	100	77.5	72.1	78	72	21-133	7	
Nitrobenzene	ug/L	ND	100	100	79.2	74.1	79	74	35-180	7	
Pentachlorophenol	ug/L	ND	200	200	149	157	75	79	14-176	5	
Phenanthrene	ug/L	ND	100	100	87.5	81.4	88	81	54-120	7	
Phenol	ug/L	ND	100	100	49.6	47.1	50	47	5-112	5	
Pyrene	ug/L	ND	100	100	90.2	84.3	90	84	52-115	7	
2,4,6-Tribromophenol (S)	%						95	97	10-137		
2-Fluorobiphenyl (S)	%						82	74	15-120		
2-Fluorophenol (S)	%						56	54	10-120		
Nitrobenzene-d5 (S)	%						77	73	10-120		
Phenol-d6 (S)	%						50	49	10-120		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Don Christian/Carrboro
Pace Project No.: 92165484

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1011436 1011437

Parameter	Units	92165282002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Terphenyl-d14 (S)	%						64	56	11-131		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: Don Christian/Carrboro
Pace Project No.: 92165484

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.

PRL - Pace Reporting Limit.

RL - Reporting 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.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

TNI - The NELAC Institute.

LABORATORIES

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

N Tentatively identified compound (TIC) based on mass spectral library search

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Don Christian/Carrboro
Pace Project No.: 92165484

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92165484001	**MW-6**	EPA 625	OEXT/23011	EPA 625	MSSV/7964
92165484002	**MW-4**	EPA 625	OEXT/23011	EPA 625	MSSV/7964
92165484003	**MW-3**	EPA 625	OEXT/23011	EPA 625	MSSV/7964
92165484001	**MW-6**	EPA 8260	MSV/23727		
92165484002	**MW-4**	EPA 8260	MSV/23727		
92165484003	**MW-3**	EPA 8260	MSV/23727		

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

Pace Analytical	Sample Condition Upon Receipt (SCUR)	Page 1 of 2
	Document Number: F-CHR-CS-03-rev.11	Issuing Authority: Pace Huntersville Quality Office

Client Name: Pyramid

Where Received: ☑ Huntersville ☐ Asheville ☐ Eden ☐ Raleigh

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other_____

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

Optional
Proj. Due Date:
Proj. Name:

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other_____

Thermometer Used: IR Gun T1102 (T1301) **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor **T1102**: No Correction **T1301**: No Correction

Corrected Cooler Temp.: 0.9 C **Biological Tissue is Frozen:** Yes No (N/A)

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 07/17/13

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: [illegible] **Date:** 7/17/13

SRF Review: [illegible] **Date:** 7/18/13

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)

WO#: 92165484

92165484

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1667317

Section A Required Client Information:

Company: PYRAMID
Address: 503 INDUSTRIAL
GSBO, NC 27406
Email To:
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: MIKE JONES / PYRAMID
Copy To:
Purchase Order No.:
Project Name: Dan Christian / Carrboro
Project Number: 2013-161

Section C Invoice Information:

Attention: MIKE JONES
Company Name: PYRAMID
Address:
Pace Quote Reference:
Pace Project Manager: Kevin Godwin
Pace Profile #: 2982-2

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☒ UST ☐ RCRA ☐ OTHER

Site Location STATE: NC

Requested Analysis Filtered (Y/N)

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): 8260	625 + 10 parms	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-6	WT	G	07/15/2013	08:40				6	2			4					X	X		W1
2	MW-4	WT	G	07/15/2013	2:30pm				6	2			4					X	X		W2
3	MW-3	WT	G	07/15/2013	3:00pm				6	2			4					X	X		W3
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

UST TRUST FUND

92165484

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Michael Jones	7/16/13	8AM	Pace	7-17-13	12:21				
	Pace	7-17-13	1425	PACE	07/17/13	1425	0.9	Y	N	Y

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: MICHAEL JONES
SIGNATURE of SAMPLER: Michael Jones
DATE Signed (MM/DD/YY): 07/16/13

*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.

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

August 09, 2013

Mr. Mike Jones
Pyramid Environmental
P.O. Box 16265
503 Industrial Avenue
Greensboro, NC 27416

RE: Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167278

Dear Mr. Jones:
Enclosed are the analytical results for sample(s) received by the laboratory on August 01, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted 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 Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167278

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167278

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92167278001	**MW-1A**	EPA 625	BPJ	68	PASI-C
		SM 6200B	CAH	64	PASI-C
92167278002	**MW-5A**	EPA 625	BPJ	68	PASI-C
		SM 6200B	CAH	64	PASI-C

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

Pace Analytical
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167278

Sample: MW-1A **Lab ID: 92167278001** Collected: 07/30/13 14:00 Received: 08/01/13 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
Acenaphthene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	83-32-9	
Acenaphthylene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	208-96-8	
Anthracene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	120-12-7	
Benzo(a)anthracene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	207-08-9	
4-Bromophenylphenyl ether	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	101-55-3	
Butylbenzylphthalate	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	59-50-7	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	08/02/13 12:10	08/06/13 06:35	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	108-60-1	
2-Chloronaphthalene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	91-58-7	
2-Chlorophenol	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	7005-72-3	
Chrysene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	53-70-3	
3,3'-Dichlorobenzidine	ND	ug/L	25.0	1	08/02/13 12:10	08/06/13 06:35	91-94-1	
2,4-Dichlorophenol	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	120-83-2	
Diethylphthalate	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	84-66-2	
2,4-Dimethylphenol	**54.0**	ug/L	10.0	1	08/02/13 12:10	08/06/13 06:35	105-67-9	
Dimethylphthalate	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	131-11-3	
Di-n-butylphthalate	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	08/02/13 12:10	08/06/13 06:35	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	1	08/02/13 12:10	08/06/13 06:35	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	606-20-2	
Di-n-octylphthalate	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	117-81-7	
Fluoranthene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	206-44-0	
Fluorene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	87-68-3	
Hexachlorobenzene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	08/02/13 12:10	08/06/13 06:35	77-47-4	
Hexachloroethane	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	193-39-5	
Isophorone	ND	ug/L	10.0	1	08/02/13 12:10	08/06/13 06:35	78-59-1	
Naphthalene	**250**	ug/L	25.0	5	08/02/13 12:10	08/06/13 20:50	91-20-3	
Nitrobenzene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	98-95-3	
2-Nitrophenol	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	08/02/13 12:10	08/06/13 06:35	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	08/02/13 12:10	08/06/13 06:35	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	1	08/02/13 12:10	08/06/13 06:35	87-86-5	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167278

Sample: MW-1A **Lab ID: 92167278001** Collected: 07/30/13 14:00 Received: 08/01/13 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
Phenanthrene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	85-01-8	
Phenol	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	108-95-2	
Pyrene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 06:35	120-82-1	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	08/02/13 12:10	08/06/13 06:35	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	90	%	10-120	1	08/02/13 12:10	08/06/13 06:35	4165-60-0	
2-Fluorobiphenyl (S)	74	%	15-120	1	08/02/13 12:10	08/06/13 06:35	321-60-8	
Terphenyl-d14 (S)	61	%	11-131	1	08/02/13 12:10	08/06/13 06:35	1718-51-0	
Phenol-d6 (S)	44	%	10-120	1	08/02/13 12:10	08/06/13 06:35	13127-88-3	
2-Fluorophenol (S)	53	%	10-120	1	08/02/13 12:10	08/06/13 06:35	367-12-4	
2,4,6-Tribromophenol (S)	76	%	10-137	1	08/02/13 12:10	08/06/13 06:35	118-79-6	
Tentatively Identified Compounds								
Unknown	**314**	ug/L		1	08/02/13 12:10	08/06/13 06:35		N
Unknown	**265**	ug/L		1	08/02/13 12:10	08/06/13 06:35		N
Toluene	**421**	ug/L		1	08/02/13 12:10	08/06/13 06:35	108-88-3	N
2-Hexanol, 2-methyl-	**114**	ug/L		1	08/02/13 12:10	08/06/13 06:35	625-23-0	N
Unknown	**221**	ug/L		1	08/02/13 12:10	08/06/13 06:35		N
Ethylbenzene	**112**	ug/L		1	08/02/13 12:10	08/06/13 06:35	100-41-4	N
p-Xylene	**304**	ug/L		1	08/02/13 12:10	08/06/13 06:35	106-42-3	N
o-Xylene	**309**	ug/L		1	08/02/13 12:10	08/06/13 06:35	95-47-6	N
Unknown	**71.9**	ug/L		1	08/02/13 12:10	08/06/13 06:35		N
Unknown	**63.3**	ug/L		1	08/02/13 12:10	08/06/13 06:35		N
6200B MSV	Analytical Method: SM 6200B							
Benzene	**8440**	ug/L	50.0	100		08/07/13 06:56	71-43-2	
Bromobenzene	ND	ug/L	5.0	10		08/06/13 05:09	108-86-1	
Bromochloromethane	ND	ug/L	5.0	10		08/06/13 05:09	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	10		08/06/13 05:09	75-27-4	
Bromoform	ND	ug/L	5.0	10		08/06/13 05:09	75-25-2	
Bromomethane	ND	ug/L	50.0	10		08/06/13 05:09	74-83-9	
n-Butylbenzene	ND	ug/L	5.0	10		08/06/13 05:09	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	10		08/06/13 05:09	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	10		08/06/13 05:09	98-06-6	
Carbon tetrachloride	ND	ug/L	5.0	10		08/06/13 05:09	56-23-5	
Chlorobenzene	ND	ug/L	5.0	10		08/06/13 05:09	108-90-7	
Chloroethane	ND	ug/L	10.0	10		08/06/13 05:09	75-00-3	
Chloroform	ND	ug/L	5.0	10		08/06/13 05:09	67-66-3	
Chloromethane	ND	ug/L	10.0	10		08/06/13 05:09	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	10		08/06/13 05:09	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	10		08/06/13 05:09	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	10		08/06/13 05:09	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	10		08/06/13 05:09	124-48-1	
1,2-Dibromoethane (EDB)	**9.8**	ug/L	5.0	10		08/06/13 05:09	106-93-4	
Dibromomethane	ND	ug/L	5.0	10		08/06/13 05:09	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	10		08/06/13 05:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	10		08/06/13 05:09	541-73-1	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167278

Sample: MW-1A **Lab ID: 92167278001** Collected: 07/30/13 14:00 Received: 08/01/13 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
1,4-Dichlorobenzene	ND	ug/L	5.0	10		08/06/13 05:09	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	10		08/06/13 05:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	10		08/06/13 05:09	75-34-3	
1,2-Dichloroethane	**48.2**	ug/L	5.0	10		08/06/13 05:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	10		08/06/13 05:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	10		08/06/13 05:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	10		08/06/13 05:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	10		08/06/13 05:09	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	10		08/06/13 05:09	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	10		08/06/13 05:09	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	10		08/06/13 05:09	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	10		08/06/13 05:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	10		08/06/13 05:09	10061-02-6	
Diisopropyl ether	**4720**	ug/L	50.0	100		08/07/13 06:56	108-20-3	
Ethylbenzene	**926**	ug/L	5.0	10		08/06/13 05:09	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	20.0	10		08/06/13 05:09	87-68-3	
Isopropylbenzene (Cumene)	**63.8**	ug/L	5.0	10		08/06/13 05:09	98-82-8	
Methylene Chloride	ND	ug/L	20.0	10		08/06/13 05:09	75-09-2	
Methyl-tert-butyl ether	**15.6**	ug/L	5.0	10		08/06/13 05:09	1634-04-4	
Naphthalene	**340**	ug/L	20.0	10		08/06/13 05:09	91-20-3	
n-Propylbenzene	**115**	ug/L	5.0	10		08/06/13 05:09	103-65-1	
Styrene	**37.0**	ug/L	5.0	10		08/06/13 05:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	10		08/06/13 05:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	10		08/06/13 05:09	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	10		08/06/13 05:09	127-18-4	
Toluene	**6290**	ug/L	50.0	100		08/07/13 06:56	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	20.0	10		08/06/13 05:09	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	20.0	10		08/06/13 05:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	10		08/06/13 05:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	10		08/06/13 05:09	79-00-5	
Trichloroethene	ND	ug/L	5.0	10		08/06/13 05:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	10		08/06/13 05:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	10		08/06/13 05:09	96-18-4	
1,2,4-Trimethylbenzene	**851**	ug/L	5.0	10		08/06/13 05:09	95-63-6	
1,3,5-Trimethylbenzene	**289**	ug/L	5.0	10		08/06/13 05:09	108-67-8	
Vinyl chloride	ND	ug/L	10.0	10		08/06/13 05:09	75-01-4	
m&p-Xylene	**2770**	ug/L	10.0	10		08/06/13 05:09	179601-23-1	
o-Xylene	**1440**	ug/L	5.0	10		08/06/13 05:09	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%	70-130	10		08/06/13 05:09	17060-07-0	
Dibromofluoromethane (S)	93	%	70-130	10		08/06/13 05:09	1868-53-7	
4-Bromofluorobenzene (S)	104	%	70-130	10		08/06/13 05:09	460-00-4	
Toluene-d8 (S)	98	%	70-130	10		08/06/13 05:09	2037-26-5	

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

Pace Analytical
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167278

Sample: MW-5A **Lab ID: 92167278002** Collected: 07/30/13 16:00 Received: 08/01/13 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
Acenaphthene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	83-32-9	
Acenaphthylene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	208-96-8	
Anthracene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	120-12-7	
Benzo(a)anthracene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	207-08-9	
4-Bromophenylphenyl ether	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	101-55-3	
Butylbenzylphthalate	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	59-50-7	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	08/02/13 12:10	08/06/13 07:02	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	108-60-1	
2-Chloronaphthalene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	91-58-7	
2-Chlorophenol	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	7005-72-3	
Chrysene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	53-70-3	
3,3'-Dichlorobenzidine	ND	ug/L	25.0	1	08/02/13 12:10	08/06/13 07:02	91-94-1	
2,4-Dichlorophenol	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	120-83-2	
Diethylphthalate	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	08/02/13 12:10	08/06/13 07:02	105-67-9	
Dimethylphthalate	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	131-11-3	
Di-n-butylphthalate	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	08/02/13 12:10	08/06/13 07:02	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	1	08/02/13 12:10	08/06/13 07:02	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	606-20-2	
Di-n-octylphthalate	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	117-81-7	
Fluoranthene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	206-44-0	
Fluorene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	87-68-3	
Hexachlorobenzene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	08/02/13 12:10	08/06/13 07:02	77-47-4	
Hexachloroethane	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	193-39-5	
Isophorone	ND	ug/L	10.0	1	08/02/13 12:10	08/06/13 07:02	78-59-1	
Naphthalene	**26.2**	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	91-20-3	
Nitrobenzene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	98-95-3	
2-Nitrophenol	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	08/02/13 12:10	08/06/13 07:02	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	08/02/13 12:10	08/06/13 07:02	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	1	08/02/13 12:10	08/06/13 07:02	87-86-5	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167278

Sample: MW-5A **Lab ID: 92167278002** Collected: 07/30/13 16:00 Received: 08/01/13 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
Phenanthrene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	85-01-8	
Phenol	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	108-95-2	
Pyrene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1	08/02/13 12:10	08/06/13 07:02	120-82-1	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	08/02/13 12:10	08/06/13 07:02	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	61	%	10-120	1	08/02/13 12:10	08/06/13 07:02	4165-60-0	
2-Fluorobiphenyl (S)	60	%	15-120	1	08/02/13 12:10	08/06/13 07:02	321-60-8	
Terphenyl-d14 (S)	48	%	11-131	1	08/02/13 12:10	08/06/13 07:02	1718-51-0	
Phenol-d6 (S)	28	%	10-120	1	08/02/13 12:10	08/06/13 07:02	13127-88-3	
2-Fluorophenol (S)	36	%	10-120	1	08/02/13 12:10	08/06/13 07:02	367-12-4	
2,4,6-Tribromophenol (S)	75	%	10-137	1	08/02/13 12:10	08/06/13 07:02	118-79-6	
Tentatively Identified Compounds								
2-Butanol, 2,3-dimethyl-	**96.6**	ug/L		1	08/02/13 12:10	08/06/13 07:02	594-60-5	N
2-Pentanol, 2-methyl-	**716**	ug/L		1	08/02/13 12:10	08/06/13 07:02	590-36-3	N
Toluene	**111**	ug/L		1	08/02/13 12:10	08/06/13 07:02	108-88-3	N
Cyclopentanol, 1-methyl-	**308**	ug/L		1	08/02/13 12:10	08/06/13 07:02	1462-03-9	N
2-Hexanol, 2-methyl-	**96.3**	ug/L		1	08/02/13 12:10	08/06/13 07:02	625-23-0	N
Unknown	**388**	ug/L		1	08/02/13 12:10	08/06/13 07:02		N
p-Xylene	**128**	ug/L		1	08/02/13 12:10	08/06/13 07:02	106-42-3	N
Unknown	**253**	ug/L		1	08/02/13 12:10	08/06/13 07:02		N
Indane	**176**	ug/L		1	08/02/13 12:10	08/06/13 07:02	496-11-7	N
Unknown	**35.0**	ug/L		1	08/02/13 12:10	08/06/13 07:02		N
6200B MSV	Analytical Method: SM 6200B							
Benzene	**616**	ug/L	10.0	20		08/07/13 06:40	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		08/06/13 03:13	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		08/06/13 03:13	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		08/06/13 03:13	75-27-4	
Bromoform	ND	ug/L	0.50	1		08/06/13 03:13	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/06/13 03:13	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		08/06/13 03:13	104-51-8	
sec-Butylbenzene	**2.6**	ug/L	0.50	1		08/06/13 03:13	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		08/06/13 03:13	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		08/06/13 03:13	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		08/06/13 03:13	108-90-7	
Chloroethane	ND	ug/L	1.0	1		08/06/13 03:13	75-00-3	
Chloroform	ND	ug/L	0.50	1		08/06/13 03:13	67-66-3	
Chloromethane	**9.8**	ug/L	1.0	1		08/06/13 03:13	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		08/06/13 03:13	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		08/06/13 03:13	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		08/06/13 03:13	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		08/06/13 03:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		08/06/13 03:13	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		08/06/13 03:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		08/06/13 03:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		08/06/13 03:13	541-73-1	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167278

Sample: MW-5A **Lab ID: 92167278002** Collected: 07/30/13 16:00 Received: 08/01/13 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
1,4-Dichlorobenzene	ND	ug/L	0.50	1		08/06/13 03:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		08/06/13 03:13	75-71-8	
1,1-Dichloroethane	**1.4**	ug/L	0.50	1		08/06/13 03:13	75-34-3	
1,2-Dichloroethane	**4.8**	ug/L	0.50	1		08/06/13 03:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		08/06/13 03:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		08/06/13 03:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		08/06/13 03:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		08/06/13 03:13	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		08/06/13 03:13	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		08/06/13 03:13	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		08/06/13 03:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		08/06/13 03:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		08/06/13 03:13	10061-02-6	
Diisopropyl ether	**2940**	ug/L	10.0	20		08/07/13 06:40	108-20-3	
Ethylbenzene	**108**	ug/L	0.50	1		08/06/13 03:13	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		08/06/13 03:13	87-68-3	
Isopropylbenzene (Cumene)	**18.8**	ug/L	0.50	1		08/06/13 03:13	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		08/06/13 03:13	75-09-2	
Methyl-tert-butyl ether	**13.0**	ug/L	0.50	1		08/06/13 03:13	1634-04-4	
Naphthalene	**44.4**	ug/L	2.0	1		08/06/13 03:13	91-20-3	
n-Propylbenzene	**18.8**	ug/L	0.50	1		08/06/13 03:13	103-65-1	
Styrene	**2.9**	ug/L	0.50	1		08/06/13 03:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		08/06/13 03:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		08/06/13 03:13	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		08/06/13 03:13	127-18-4	
Toluene	**212**	ug/L	10.0	20		08/07/13 06:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		08/06/13 03:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		08/06/13 03:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		08/06/13 03:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		08/06/13 03:13	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		08/06/13 03:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		08/06/13 03:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		08/06/13 03:13	96-18-4	
1,2,4-Trimethylbenzene	**67.6**	ug/L	0.50	1		08/06/13 03:13	95-63-6	
1,3,5-Trimethylbenzene	**21.4**	ug/L	0.50	1		08/06/13 03:13	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		08/06/13 03:13	75-01-4	
m&p-Xylene	**197**	ug/L	1.0	1		08/06/13 03:13	179601-23-1	
o-Xylene	**94.1**	ug/L	0.50	1		08/06/13 03:13	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%	70-130	1		08/06/13 03:13	17060-07-0	
Dibromofluoromethane (S)	96	%	70-130	1		08/06/13 03:13	1868-53-7	
4-Bromofluorobenzene (S)	102	%	70-130	1		08/06/13 03:13	460-00-4	
Toluene-d8 (S)	98	%	70-130	1		08/06/13 03:13	2037-26-5	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167278

QC Batch: MSV/23846 | Analysis Method: SM 6200B
QC Batch Method: SM 6200B | Analysis Description: 6200B MSV
Associated Lab Samples: 92167278001, 92167278002

METHOD BLANK: 1022838 | Matrix: Water
Associated Lab Samples: 92167278001, 92167278002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	08/06/13 01:00	
1,1,1-Trichloroethane	ug/L	ND	0.50	08/06/13 01:00	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	08/06/13 01:00	
1,1,2-Trichloroethane	ug/L	ND	0.50	08/06/13 01:00	
1,1-Dichloroethane	ug/L	ND	0.50	08/06/13 01:00	
1,1-Dichloroethene	ug/L	ND	0.50	08/06/13 01:00	
1,1-Dichloropropene	ug/L	ND	0.50	08/06/13 01:00	
1,2,3-Trichlorobenzene	ug/L	ND	2.0	08/06/13 01:00	
1,2,3-Trichloropropane	ug/L	ND	0.50	08/06/13 01:00	
1,2,4-Trichlorobenzene	ug/L	ND	2.0	08/06/13 01:00	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	08/06/13 01:00	
1,2-Dibromo-3-chloropropane	ug/L	ND	1.0	08/06/13 01:00	
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	08/06/13 01:00	
1,2-Dichlorobenzene	ug/L	ND	0.50	08/06/13 01:00	
1,2-Dichloroethane	ug/L	ND	0.50	08/06/13 01:00	
1,2-Dichloropropane	ug/L	ND	0.50	08/06/13 01:00	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	08/06/13 01:00	
1,3-Dichlorobenzene	ug/L	ND	0.50	08/06/13 01:00	
1,3-Dichloropropane	ug/L	ND	0.50	08/06/13 01:00	
1,4-Dichlorobenzene	ug/L	ND	0.50	08/06/13 01:00	
2,2-Dichloropropane	ug/L	ND	0.50	08/06/13 01:00	
2-Chlorotoluene	ug/L	ND	0.50	08/06/13 01:00	
4-Chlorotoluene	ug/L	ND	0.50	08/06/13 01:00	
Benzene	ug/L	ND	0.50	08/06/13 01:00	
Bromobenzene	ug/L	ND	0.50	08/06/13 01:00	
Bromochloromethane	ug/L	ND	0.50	08/06/13 01:00	
Bromodichloromethane	ug/L	ND	0.50	08/06/13 01:00	
Bromoform	ug/L	ND	0.50	08/06/13 01:00	
Bromomethane	ug/L	ND	5.0	08/06/13 01:00	
Carbon tetrachloride	ug/L	ND	0.50	08/06/13 01:00	
Chlorobenzene	ug/L	ND	0.50	08/06/13 01:00	
Chloroethane	ug/L	ND	1.0	08/06/13 01:00	
Chloroform	ug/L	ND	0.50	08/06/13 01:00	
Chloromethane	ug/L	ND	1.0	08/06/13 01:00	
cis-1,2-Dichloroethene	ug/L	ND	0.50	08/06/13 01:00	
cis-1,3-Dichloropropene	ug/L	ND	0.50	08/06/13 01:00	
Dibromochloromethane	ug/L	ND	0.50	08/06/13 01:00	
Dibromomethane	ug/L	ND	0.50	08/06/13 01:00	
Dichlorodifluoromethane	ug/L	ND	0.50	08/06/13 01:00	
Diisopropyl ether	ug/L	ND	0.50	08/06/13 01:00	
Ethylbenzene	ug/L	ND	0.50	08/06/13 01:00	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	08/06/13 01:00	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	08/06/13 01:00	

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

Pace Analytical
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167278

METHOD BLANK: 1022838 Matrix: Water

Associated Lab Samples: 92167278001, 92167278002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/L	ND	1.0	08/06/13 01:00	
Methyl-tert-butyl ether	ug/L	ND	0.50	08/06/13 01:00	
Methylene Chloride	ug/L	ND	2.0	08/06/13 01:00	
n-Butylbenzene	ug/L	ND	0.50	08/06/13 01:00	
n-Propylbenzene	ug/L	ND	0.50	08/06/13 01:00	
Naphthalene	ug/L	ND	2.0	08/06/13 01:00	
o-Xylene	ug/L	ND	0.50	08/06/13 01:00	
sec-Butylbenzene	ug/L	ND	0.50	08/06/13 01:00	
Styrene	ug/L	ND	0.50	08/06/13 01:00	
tert-Butylbenzene	ug/L	ND	0.50	08/06/13 01:00	
Tetrachloroethene	ug/L	ND	0.50	08/06/13 01:00	
Toluene	ug/L	ND	0.50	08/06/13 01:00	
trans-1,2-Dichloroethene	ug/L	ND	0.50	08/06/13 01:00	
trans-1,3-Dichloropropene	ug/L	ND	0.50	08/06/13 01:00	
Trichloroethene	ug/L	ND	0.50	08/06/13 01:00	
Trichlorofluoromethane	ug/L	ND	1.0	08/06/13 01:00	
Vinyl chloride	ug/L	ND	1.0	08/06/13 01:00	
1,2-Dichloroethane-d4 (S)	%	102	70-130	08/06/13 01:00	
4-Bromofluorobenzene (S)	%	97	70-130	08/06/13 01:00	
Dibromofluoromethane (S)	%	99	70-130	08/06/13 01:00	
Toluene-d8 (S)	%	99	70-130	08/06/13 01:00	

LABORATORY CONTROL SAMPLE: 1022839

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.4	97	60-140	
1,1,1-Trichloroethane	ug/L	50	53.7	107	60-140	
1,1,2,2-Tetrachloroethane	ug/L	50	51.7	103	60-140	
1,1,2-Trichloroethane	ug/L	50	54.0	108	60-140	
1,1-Dichloroethane	ug/L	50	48.2	96	60-140	
1,1-Dichloroethene	ug/L	50	47.0	94	60-140	
1,1-Dichloropropene	ug/L	50	45.6	91	60-140	
1,2,3-Trichlorobenzene	ug/L	50	54.4	109	60-140	
1,2,3-Trichloropropane	ug/L	50	50.5	101	60-140	
1,2,4-Trichlorobenzene	ug/L	50	53.8	108	60-140	
1,2,4-Trimethylbenzene	ug/L	50	49.8	100	60-140	
1,2-Dibromo-3-chloropropane	ug/L	50	48.3	97	60-140	
1,2-Dibromoethane (EDB)	ug/L	50	53.1	106	60-140	
1,2-Dichlorobenzene	ug/L	50	54.1	108	60-140	
1,2-Dichloroethane	ug/L	50	50.8	102	60-140	
1,2-Dichloropropane	ug/L	50	44.6	89	60-140	
1,3,5-Trimethylbenzene	ug/L	50	49.1	98	60-140	
1,3-Dichlorobenzene	ug/L	50	53.0	106	60-140	
1,3-Dichloropropane	ug/L	50	46.0	92	60-140	
1,4-Dichlorobenzene	ug/L	50	52.5	105	60-140	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167278

LABORATORY CONTROL SAMPLE: 1022839

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	50	45.7	91	60-140	
2-Chlorotoluene	ug/L	50	51.7	103	60-140	
4-Chlorotoluene	ug/L	50	52.0	104	60-140	
Benzene	ug/L	50	50.5	101	60-140	
Bromobenzene	ug/L	50	48.0	96	60-140	
Bromochloromethane	ug/L	50	49.9	100	60-140	
Bromodichloromethane	ug/L	50	56.6	113	60-140	
Bromoform	ug/L	50	49.4	99	60-140	
Bromomethane	ug/L	50	50.7	101	60-140	
Carbon tetrachloride	ug/L	50	56.8	114	60-140	
Chlorobenzene	ug/L	50	51.4	103	60-140	
Chloroethane	ug/L	50	45.8	92	60-140	
Chloroform	ug/L	50	52.9	106	60-140	
Chloromethane	ug/L	50	36.8	74	60-140	
cis-1,2-Dichloroethene	ug/L	50	47.2	94	60-140	
cis-1,3-Dichloropropene	ug/L	50	42.9	86	60-140	
Dibromochloromethane	ug/L	50	46.9	94	60-140	
Dibromomethane	ug/L	50	53.5	107	60-140	
Dichlorodifluoromethane	ug/L	50	33.9	68	60-140	
Diisopropyl ether	ug/L	50	53.2	106	60-140	
Ethylbenzene	ug/L	50	49.9	100	60-140	
Hexachloro-1,3-butadiene	ug/L	50	52.8	106	60-140	
Isopropylbenzene (Cumene)	ug/L	50	55.9	112	60-140	
m&p-Xylene	ug/L	100	107	107	60-140	
Methyl-tert-butyl ether	ug/L	50	62.3	125	60-140	
Methylene Chloride	ug/L	50	46.4	93	60-140	
n-Butylbenzene	ug/L	50	48.1	96	60-140	
n-Propylbenzene	ug/L	50	51.7	103	60-140	
Naphthalene	ug/L	50	55.9	112	60-140	
o-Xylene	ug/L	50	53.7	107	60-140	
sec-Butylbenzene	ug/L	50	54.0	108	60-140	
Styrene	ug/L	50	48.9	98	60-140	
tert-Butylbenzene	ug/L	50	53.5	107	60-140	
Tetrachloroethene	ug/L	50	51.4	103	60-140	
Toluene	ug/L	50	50.7	101	60-140	
trans-1,2-Dichloroethene	ug/L	50	45.2	90	60-140	
trans-1,3-Dichloropropene	ug/L	50	44.2	88	60-140	
Trichloroethene	ug/L	50	51.8	104	60-140	
Trichlorofluoromethane	ug/L	50	47.6	95	60-140	
Vinyl chloride	ug/L	50	36.8	74	60-140	
1,2-Dichloroethane-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Dibromofluoromethane (S)	%			101	70-130	
Toluene-d8 (S)	%			100	70-130	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167278

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1022840 1022841

Parameter	Units	92167123007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	17.1	20.5	86	103	60-140	18	
1,1,1-Trichloroethane	ug/L	ND	20	20	19.6	23.8	98	119	60-140	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	16.8	20.2	84	101	60-140	19	
1,1,2-Trichloroethane	ug/L	ND	20	20	18.3	22.4	92	112	60-140	20	
1,1-Dichloroethane	ug/L	ND	20	20	17.3	21.5	86	107	60-140	22	
1,1-Dichloroethene	ug/L	ND	20	20	18.6	22.7	93	113	60-140	20	
1,1-Dichloropropene	ug/L	ND	20	20	17.0	21.2	85	106	60-140	22	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	18.4	22.7	92	113	60-140	21	
1,2,3-Trichloropropane	ug/L	ND	20	20	17.0	19.8	85	99	60-140	16	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	19.1	23.1	96	115	60-140	19	
1,2,4-Trimethylbenzene	ug/L	ND	20	20	17.7	21.3	89	107	60-140	18	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	15.7	18.9	79	94	60-140	18	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	17.8	21.0	89	105	60-140	16	
1,2-Dichlorobenzene	ug/L	ND	20	20	19.0	22.9	95	115	60-140	19	
1,2-Dichloroethane	ug/L	ND	20	20	17.2	20.9	86	105	60-140	20	
1,2-Dichloropropane	ug/L	ND	20	20	15.1	19.0	75	95	60-140	23	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	17.4	21.4	87	107	60-140	20	
1,3-Dichlorobenzene	ug/L	ND	20	20	18.9	22.7	94	114	60-140	18	
1,3-Dichloropropane	ug/L	ND	20	20	16.2	19.1	81	96	60-140	17	
1,4-Dichlorobenzene	ug/L	ND	20	20	18.9	22.5	94	113	60-140	18	
2,2-Dichloropropane	ug/L	ND	20	20	19.1	22.7	96	113	60-140	17	
2-Chlorotoluene	ug/L	ND	20	20	18.1	22.2	91	111	60-140	20	
4-Chlorotoluene	ug/L	ND	20	20	18.7	22.6	93	113	60-140	19	
Benzene	ug/L	0.65	20	20	18.5	22.6	89	110	60-140	20	
Bromobenzene	ug/L	ND	20	20	16.7	20.5	83	102	60-140	21	
Bromochloromethane	ug/L	ND	20	20	18.8	23.0	94	115	60-140	20	
Bromodichloromethane	ug/L	ND	20	20	18.5	22.7	92	113	60-140	20	
Bromoform	ug/L	ND	20	20	17.2	20.4	86	102	60-140	17	
Bromomethane	ug/L	ND	20	20	23.0	23.9	115	119	60-140	4	
Carbon tetrachloride	ug/L	ND	20	20	21.4	25.2	107	126	60-140	17	
Chlorobenzene	ug/L	ND	20	20	18.0	22.0	90	110	60-140	20	
Chloroethane	ug/L	ND	20	20	18.9	22.5	95	113	60-140	17	
Chloroform	ug/L	ND	20	20	17.5	22.6	87	113	60-140	26	
Chloromethane	ug/L	ND	20	20	14.5	18.1	73	90	60-140	22	
cis-1,2-Dichloroethene	ug/L	ND	20	20	17.0	20.5	85	103	60-140	19	
cis-1,3-Dichloropropene	ug/L	ND	20	20	15.5	18.5	78	93	60-140	18	
Dibromochloromethane	ug/L	ND	20	20	16.5	19.5	83	97	60-140	16	
Dibromomethane	ug/L	ND	20	20	18.2	22.4	91	112	60-140	20	
Dichlorodifluoromethane	ug/L	ND	20	20	13.8	16.5	69	83	60-140	18	
Diisopropyl ether	ug/L	ND	20	20	18.2	22.3	91	111	60-140	20	
Ethylbenzene	ug/L	ND	20	20	17.9	21.6	90	108	60-140	19	
Hexachloro-1,3-butadiene	ug/L	ND	20	20	20.2	24.5	101	123	60-140	19	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	19.9	23.8	99	119	60-140	18	
m&p-Xylene	ug/L	ND	40	40	37.5	44.8	93	111	60-140	18	
Methyl-tert-butyl ether	ug/L	ND	20	20	20.3	25.6	101	128	60-140	23	
Methylene Chloride	ug/L	ND	20	20	16.3	19.0	82	95	60-140	15	
n-Butylbenzene	ug/L	ND	20	20	17.5	21.2	87	106	60-140	19	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167278

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1022840 1022841

Parameter	Units	92167123007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
n-Propylbenzene	ug/L	ND	20	20	19.0	23.0	95	115	60-140	19	
Naphthalene	ug/L	ND	20	20	17.3	22.2	87	111	60-140	25	
o-Xylene	ug/L	ND	20	20	18.8	22.8	93	113	60-140	19	
sec-Butylbenzene	ug/L	ND	20	20	19.9	24.5	100	123	60-140	21	
Styrene	ug/L	ND	20	20	16.8	20.2	84	101	60-140	18	
tert-Butylbenzene	ug/L	ND	20	20	19.2	23.6	96	118	60-140	20	
Tetrachloroethene	ug/L	0.98	20	20	20.3	24.3	97	117	60-140	18	
Toluene	ug/L	ND	20	20	18.3	22.0	91	110	60-140	19	
trans-1,2-Dichloroethene	ug/L	ND	20	20	17.1	20.7	86	104	60-140	19	
trans-1,3-Dichloropropene	ug/L	ND	20	20	16.3	19.6	82	98	60-140	18	
Trichloroethene	ug/L	ND	20	20	19.0	22.9	95	115	60-140	19	
Trichlorofluoromethane	ug/L	ND	20	20	19.9	23.7	100	118	60-140	17	
Vinyl chloride	ug/L	ND	20	20	15.1	17.5	76	87	60-140	14	
1,2-Dichloroethane-d4 (S)	%						96	98	70-130		
4-Bromofluorobenzene (S)	%						102	101	70-130		
Dibromofluoromethane (S)	%						99	101	70-130		
Toluene-d8 (S)	%						99	101	70-130		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167278

QC Batch: OEXT/23269 | Analysis Method: EPA 625
QC Batch Method: EPA 625 | Analysis Description: 625 MSS
Associated Lab Samples: 92167278001, 92167278002

METHOD BLANK: 1021854 | Matrix: Water
Associated Lab Samples: 92167278001, 92167278002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	08/05/13 17:49	
2,4,6-Trichlorophenol	ug/L	ND	10.0	08/05/13 17:49	
2,4-Dichlorophenol	ug/L	ND	5.0	08/05/13 17:49	
2,4-Dimethylphenol	ug/L	ND	10.0	08/05/13 17:49	
2,4-Dinitrophenol	ug/L	ND	50.0	08/05/13 17:49	
2,4-Dinitrotoluene	ug/L	ND	5.0	08/05/13 17:49	
2,6-Dinitrotoluene	ug/L	ND	5.0	08/05/13 17:49	
2-Chloronaphthalene	ug/L	ND	5.0	08/05/13 17:49	
2-Chlorophenol	ug/L	ND	5.0	08/05/13 17:49	
2-Nitrophenol	ug/L	ND	5.0	08/05/13 17:49	
3,3'-Dichlorobenzidine	ug/L	ND	25.0	08/05/13 17:49	
4,6-Dinitro-2-methylphenol	ug/L	ND	20.0	08/05/13 17:49	
4-Bromophenylphenyl ether	ug/L	ND	5.0	08/05/13 17:49	
4-Chloro-3-methylphenol	ug/L	ND	5.0	08/05/13 17:49	
4-Chlorophenylphenyl ether	ug/L	ND	5.0	08/05/13 17:49	
4-Nitrophenol	ug/L	ND	50.0	08/05/13 17:49	
Acenaphthene	ug/L	ND	5.0	08/05/13 17:49	
Acenaphthylene	ug/L	ND	5.0	08/05/13 17:49	
Anthracene	ug/L	ND	5.0	08/05/13 17:49	
Benzo(a)anthracene	ug/L	ND	5.0	08/05/13 17:49	
Benzo(a)pyrene	ug/L	ND	5.0	08/05/13 17:49	
Benzo(b)fluoranthene	ug/L	ND	5.0	08/05/13 17:49	
Benzo(g,h,i)perylene	ug/L	ND	5.0	08/05/13 17:49	
Benzo(k)fluoranthene	ug/L	ND	5.0	08/05/13 17:49	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	08/05/13 17:49	
bis(2-Chloroethyl) ether	ug/L	ND	5.0	08/05/13 17:49	
bis(2-Chloroisopropyl) ether	ug/L	ND	5.0	08/05/13 17:49	
bis(2-Ethylhexyl)phthalate	ug/L	ND	5.0	08/05/13 17:49	
Butylbenzylphthalate	ug/L	ND	5.0	08/05/13 17:49	
Chrysene	ug/L	ND	5.0	08/05/13 17:49	
Di-n-butylphthalate	ug/L	ND	5.0	08/05/13 17:49	
Di-n-octylphthalate	ug/L	ND	5.0	08/05/13 17:49	
Dibenz(a,h)anthracene	ug/L	ND	5.0	08/05/13 17:49	
Diethylphthalate	ug/L	ND	5.0	08/05/13 17:49	
Dimethylphthalate	ug/L	ND	5.0	08/05/13 17:49	
Fluoranthene	ug/L	ND	5.0	08/05/13 17:49	
Fluorene	ug/L	ND	5.0	08/05/13 17:49	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/05/13 17:49	
Hexachlorobenzene	ug/L	ND	5.0	08/05/13 17:49	
Hexachlorocyclopentadiene	ug/L	ND	10.0	08/05/13 17:49	
Hexachloroethane	ug/L	ND	5.0	08/05/13 17:49	
Indeno(1,2,3-cd)pyrene	ug/L	ND	5.0	08/05/13 17:49	
Isophorone	ug/L	ND	10.0	08/05/13 17:49	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167278

METHOD BLANK: 1021854 Matrix: Water

Associated Lab Samples: 92167278001, 92167278002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
N-Nitroso-di-n-propylamine	ug/L	ND	5.0	08/05/13 17:49	
N-Nitrosodimethylamine	ug/L	ND	5.0	08/05/13 17:49	
N-Nitrosodiphenylamine	ug/L	ND	10.0	08/05/13 17:49	
Naphthalene	ug/L	ND	5.0	08/05/13 17:49	
Nitrobenzene	ug/L	ND	5.0	08/05/13 17:49	
Pentachlorophenol	ug/L	ND	25.0	08/05/13 17:49	
Phenanthrene	ug/L	ND	5.0	08/05/13 17:49	
Phenol	ug/L	ND	5.0	08/05/13 17:49	
Pyrene	ug/L	ND	5.0	08/05/13 17:49	
2,4,6-Tribromophenol (S)	%	68	10-137	08/05/13 17:49	
2-Fluorobiphenyl (S)	%	80	15-120	08/05/13 17:49	
2-Fluorophenol (S)	%	45	10-120	08/05/13 17:49	
Nitrobenzene-d5 (S)	%	85	10-120	08/05/13 17:49	
Phenol-d6 (S)	%	35	10-120	08/05/13 17:49	
Terphenyl-d14 (S)	%	84	11-131	08/05/13 17:49	

LABORATORY CONTROL SAMPLE: 1021855

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	39.9	80	44-142	
2,4,6-Trichlorophenol	ug/L	50	41.0	82	37-144	
2,4-Dichlorophenol	ug/L	50	44.6	89	1-191	
2,4-Dimethylphenol	ug/L	50	45.4	91	32-119	
2,4-Dinitrophenol	ug/L	250	185	74	1-181	
2,4-Dinitrotoluene	ug/L	50	48.7	97	39-139	
2,6-Dinitrotoluene	ug/L	50	45.9	92	50-158	
2-Chloronaphthalene	ug/L	50	39.9	80	60-118	
2-Chlorophenol	ug/L	50	38.4	77	23-134	
2-Nitrophenol	ug/L	50	41.5	83	29-182	
3,3'-Dichlorobenzidine	ug/L	100	73.9	74	1-262	
4,6-Dinitro-2-methylphenol	ug/L	100	95.9	96	1-181	
4-Bromophenylphenyl ether	ug/L	50	36.6	73	53-127	
4-Chloro-3-methylphenol	ug/L	100	93.8	94	22-147	
4-Chlorophenylphenyl ether	ug/L	50	35.6	71	25-158	
4-Nitrophenol	ug/L	250	105	42	1-132	
Acenaphthene	ug/L	50	43.6	87	47-145	
Acenaphthylene	ug/L	50	42.9	86	33-145	
Anthracene	ug/L	50	49.8	100	1-166	
Benzo(a)anthracene	ug/L	50	43.2	86	33-143	
Benzo(a)pyrene	ug/L	50	44.5	89	17-163	
Benzo(b)fluoranthene	ug/L	50	42.4	85	24-159	
Benzo(g,h,i)perylene	ug/L	50	45.5	91	1-219	
Benzo(k)fluoranthene	ug/L	50	43.8	88	11-162	
bis(2-Chloroethoxy)methane	ug/L	50	35.0	70	33-184	
bis(2-Chloroethyl) ether	ug/L	50	37.7	75	12-158	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167278

LABORATORY CONTROL SAMPLE: 1021855

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
bis(2-Chloroisopropyl) ether	ug/L	50	35.1	70	36-166	
bis(2-Ethylhexyl)phthalate	ug/L	50	50.4	101	8-158	
Butylbenzylphthalate	ug/L	50	47.2	94	1-152	
Chrysene	ug/L	50	46.2	92	17-168	
Di-n-butylphthalate	ug/L	50	49.6	99	1-118	
Di-n-octylphthalate	ug/L	50	45.6	91	4-146	
Dibenz(a,h)anthracene	ug/L	50	47.6	95	1-227	
Diethylphthalate	ug/L	50	47.3	95	1-114	
Dimethylphthalate	ug/L	50	47.9	96	1-112	
Fluoranthene	ug/L	50	47.5	95	26-137	
Fluorene	ug/L	50	45.7	91	59-121	
Hexachloro-1,3-butadiene	ug/L	50	36.3	73	24-116	
Hexachlorobenzene	ug/L	50	43.2	86	1-152	
Hexachlorocyclopentadiene	ug/L	50	50.6	101	25-150	
Hexachloroethane	ug/L	50	36.2	72	40-113	
Indeno(1,2,3-cd)pyrene	ug/L	50	45.3	91	1-171	
Isophorone	ug/L	50	52.1	104	21-196	
N-Nitroso-di-n-propylamine	ug/L	50	48.8	98	1-230	
N-Nitrosodimethylamine	ug/L	50	26.6	53	25-150	
N-Nitrosodiphenylamine	ug/L	50	41.6	83	25-150	
Naphthalene	ug/L	50	44.2	88	21-133	
Nitrobenzene	ug/L	50	45.1	90	35-180	
Pentachlorophenol	ug/L	100	99.4	99	14-176	
Phenanthrene	ug/L	50	47.5	95	54-120	
Phenol	ug/L	50	22.1	44	5-112	
Pyrene	ug/L	50	45.7	91	52-115	
2,4,6-Tribromophenol (S)	%			81	10-137	
2-Fluorobiphenyl (S)	%			86	15-120	
2-Fluorophenol (S)	%			49	10-120	
Nitrobenzene-d5 (S)	%			90	10-120	
Phenol-d6 (S)	%			41	10-120	
Terphenyl-d14 (S)	%			75	11-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1021856 1021857

Parameter	Units	92167320008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2,4-Trichlorobenzene	ug/L	ND	100	100	80.6	82.2	81	82	44-142	2	
2,4,6-Trichlorophenol	ug/L	ND	100	100	81.1	82.9	81	83	37-144	2	
2,4-Dichlorophenol	ug/L	ND	100	100	86.5	86.4	86	86	1-191	0	
2,4-Dimethylphenol	ug/L	ND	100	100	80.7	83.2	81	83	32-119	3	
2,4-Dinitrophenol	ug/L	ND	500	500	359	412	72	82	1-181	14	
2,4-Dinitrotoluene	ug/L	ND	100	100	91.4	93.7	91	94	39-139	2	
2,6-Dinitrotoluene	ug/L	ND	100	100	88.9	92.8	89	93	50-158	4	
2-Chloronaphthalene	ug/L	ND	100	100	82.8	83.5	83	83	60-118	1	
2-Chlorophenol	ug/L	ND	100	100	75.4	78.4	75	78	23-134	4	
2-Nitrophenol	ug/L	ND	100	100	84.6	83.2	85	83	29-182	2	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167278

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1021856 1021857

Parameter	Units	92167320008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
3,3'-Dichlorobenzidine	ug/L	ND	200	200	106	115	53	57	1-262	8	
4,6-Dinitro-2-methylphenol	ug/L	ND	200	200	179	202	90	101	1-181	12	
4-Bromophenylphenyl ether	ug/L	ND	100	100	79.4	77.0	79	77	53-127	3	
4-Chloro-3-methylphenol	ug/L	ND	200	200	180	178	90	89	22-147	1	
4-Chlorophenylphenyl ether	ug/L	ND	100	100	70.2	69.4	70	69	25-158	1	
4-Nitrophenol	ug/L	ND	500	500	245	281	49	56	1-132	14	
Acenaphthene	ug/L	ND	100	100	89.1	86.4	89	86	47-145	3	
Acenaphthylene	ug/L	ND	100	100	85.2	85.9	85	86	33-145	1	
Anthracene	ug/L	ND	100	100	102	98.2	102	98	1-166	4	
Benzo(a)anthracene	ug/L	ND	100	100	88.1	90.7	88	91	33-143	3	
Benzo(a)pyrene	ug/L	ND	100	100	87.5	89.2	88	89	17-163	2	
Benzo(b)fluoranthene	ug/L	ND	100	100	87.8	88.2	88	88	24-159	0	
Benzo(g,h,i)perylene	ug/L	ND	100	100	85.3	90.3	85	90	1-219	6	
Benzo(k)fluoranthene	ug/L	ND	100	100	86.9	87.1	87	87	11-162	0	
bis(2-Chloroethoxy)methane	ug/L	ND	100	100	68.8	71.0	69	71	33-184	3	
bis(2-Chloroethyl) ether	ug/L	ND	100	100	70.4	72.3	70	72	12-158	3	
bis(2-Chloroisopropyl) ether	ug/L	ND	100	100	67.4	69.1	67	69	36-166	3	
bis(2-Ethylhexyl)phthalate	ug/L	ND	100	100	101	103	101	103	8-158	2	
Butylbenzylphthalate	ug/L	ND	100	100	97.1	97.4	97	97	1-152	0	
Chrysene	ug/L	ND	100	100	92.6	96.7	93	97	17-168	4	
Di-n-butylphthalate	ug/L	ND	100	100	99.8	99.0	100	99	1-118	1	
Di-n-octylphthalate	ug/L	ND	100	100	90.7	97.5	91	98	4-146	7	
Dibenz(a,h)anthracene	ug/L	ND	100	100	91.1	97.5	91	97	1-227	7	
Diethylphthalate	ug/L	ND	100	100	91.2	93.0	91	93	1-114	2	
Dimethylphthalate	ug/L	ND	100	100	92.3	95.1	92	95	1-112	3	
Fluoranthene	ug/L	ND	100	100	90.6	97.7	91	98	26-137	8	
Fluorene	ug/L	ND	100	100	91.0	87.0	91	87	59-121	4	
Hexachloro-1,3-butadiene	ug/L	ND	100	100	77.9	76.3	78	76	24-116	2	
Hexachlorobenzene	ug/L	ND	100	100	93.3	90.1	93	90	1-152	4	
Hexachlorocyclopentadiene	ug/L	ND	100	100	117	124	117	124	25-150	6	
Hexachloroethane	ug/L	ND	100	100	73.8	73.3	74	73	40-113	1	
Indeno(1,2,3-cd)pyrene	ug/L	ND	100	100	86.0	91.2	86	91	1-171	6	
Isophorone	ug/L	ND	100	100	100	101	100	101	21-196	1	
N-Nitroso-di-n-propylamine	ug/L	ND	100	100	91.6	95.7	92	96	1-230	4	
N-Nitrosodimethylamine	ug/L	ND	100	100	64.5	63.0	65	63	25-150	2	
N-Nitrosodiphenylamine	ug/L	ND	100	100	76.0	73.1	76	73	25-150	4	
Naphthalene	ug/L	ND	100	100	88.0	88.9	88	89	21-133	1	
Nitrobenzene	ug/L	ND	100	100	96.2	96.0	96	96	35-180	0	
Pentachlorophenol	ug/L	ND	200	200	178	196	89	98	14-176	10	
Phenanthrene	ug/L	ND	100	100	97.8	95.5	98	95	54-120	2	
Phenol	ug/L	ND	100	100	56.4	56.8	56	57	5-112	1	
Pyrene	ug/L	ND	100	100	103	95.4	103	95	52-115	8	
2,4,6-Tribromophenol (S)	%						71	78	10-137		
2-Fluorobiphenyl (S)	%						84	87	15-120		
2-Fluorophenol (S)	%						58	59	10-120		
Nitrobenzene-d5 (S)	%						90	92	10-120		
Phenol-d6 (S)	%						55	56	10-120		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167278

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1021856 1021857

Parameter	Units	92167320008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Terphenyl-d14 (S)	%						78	76	11-131		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167278

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.

PRL - Pace Reporting Limit.

RL - Reporting 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.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

TNI - The NELAC Institute.

LABORATORIES

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

N Tentatively identified compound (TIC) based on mass spectral library search

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CARRBORO/DAN CHRISTIAN
Pace Project No.: 92167278

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92167278001	**MW-1A**	EPA 625	OEXT/23269	EPA 625	MSSV/8032
92167278002	**MW-5A**	EPA 625	OEXT/23269	EPA 625	MSSV/8032
92167278001	**MW-1A**	SM 6200B	MSV/23846		
92167278002	**MW-5A**	SM 6200B	MSV/23846		

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

Pace Analytical	Sample Condition Upon Receipt (SCUR)	Page 1 of 2
	Document Number: F-CHR-CS-03-rev.11	Issuing Authority: Pace Huntersville Quality Office

Client Name: Pg Rand

Where Received: ☑ Huntersville ☐ Asheville ☐ Eden ☐ Raleigh

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 T1102 (T1301) **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor **T1102**: No Correction **T1301**: No Correction

Corrected Cooler Temp.: 2.4 C **Biological Tissue is Frozen:** Yes No (N/A)

Temp should be above freezing to 6°C

Optional
Proj. Due Date:
Proj. Name:

Date and Initials of person examining contents: 08/01/13

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: JG **Date:** 8/1/13

SRF Review: JDB **Date:** 8/1/13

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)

WO#: 92167278

92167278

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1690878

Section A Required Client Information:

Company: Pyramid Enviro
Address: 503 Industrial Ave
Greensboro, NC 27406
Email To:
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: PYRAMID
Copy To:
Purchase Order No.:
Project Name: Carrboro / Dan Christian
Project Number: 2013-161

Section C Invoice Information:

Attention: MIKE JONES
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: Kevin Godwin
Pace Profile #: 2982-2

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☑ UST ☐ RCRA ☐ OTHER

Site Location STATE: NC

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): 625 + TICS	6200B	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-1A	G	G	07/30/13	14:00													X	X		001
2	MW-5A	G	G	07/30/13	15:00													X	X		002
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

TRUST FUND
92167278

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NOTE only 6200B + 625 + TICS	Michael Jones	7/31/13	7:00	[signature] Pyramid	7-31-13	1105				
	[signature] Pyramid	8-1-13	1435	[signature] PAN	8-1-13	1435	2.4	Y	N	Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: MICHAEL JONES
SIGNATURE of SAMPLER: Michael Jones DATE Signed (MM/DD/YY): 07/31/2013

ORIGINAL

*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

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

August 19, 2013

Mr. Mike Jones
Pyramid Environmental
P.O. Box 16265
503 Industrial Avenue
Greensboro, NC 27416

RE: Project: Carrboro/Don Christian
Pace Project No.: 92168817

Dear Mr. Jones:
Enclosed are the analytical results for sample(s) received by the laboratory on August 14, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted 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,

Jon D Bradley for
Kevin Godwin
kevin.godwin@pacelabs.com
Project Manager

Enclosures

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Carrboro/Don Christian
Pace Project No.: 92168817

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Carrboro/Don Christian
Pace Project No.: 92168817

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92168817001	**MW-1A**	EPA 625	BPJ	68	PASI-C
		SM 6200B	CAH	64	PASI-C
92168817002	**MW-5A**	EPA 625	BPJ	68	PASI-C
		SM 6200B	CAH	64	PASI-C

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Don Christian
Pace Project No.: 92168817

Sample: MW-1A **Lab ID: 92168817001** Collected: 08/13/13 13:20 Received: 08/14/13 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
Acenaphthene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	83-32-9	
Acenaphthylene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	208-96-8	
Anthracene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	120-12-7	
Benzo(a)anthracene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	207-08-9	
4-Bromophenylphenyl ether	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	101-55-3	
Butylbenzylphthalate	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	59-50-7	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	08/15/13 09:00	08/17/13 01:45	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	108-60-1	
2-Chloronaphthalene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	91-58-7	
2-Chlorophenol	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	7005-72-3	
Chrysene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	53-70-3	
3,3'-Dichlorobenzidine	ND	ug/L	25.0	1	08/15/13 09:00	08/17/13 01:45	91-94-1	
2,4-Dichlorophenol	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	120-83-2	
Diethylphthalate	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	84-66-2	
2,4-Dimethylphenol	**80.4**	ug/L	10.0	1	08/15/13 09:00	08/17/13 01:45	105-67-9	
Dimethylphthalate	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	131-11-3	
Di-n-butylphthalate	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	08/15/13 09:00	08/17/13 01:45	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	1	08/15/13 09:00	08/17/13 01:45	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	606-20-2	
Di-n-octylphthalate	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	117-81-7	
Fluoranthene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	206-44-0	
Fluorene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	87-68-3	
Hexachlorobenzene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	08/15/13 09:00	08/17/13 01:45	77-47-4	
Hexachloroethane	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	193-39-5	
Isophorone	ND	ug/L	10.0	1	08/15/13 09:00	08/17/13 01:45	78-59-1	
Naphthalene	**322**	ug/L	25.0	5	08/15/13 09:00	08/19/13 11:15	91-20-3	
Nitrobenzene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	98-95-3	
2-Nitrophenol	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	08/15/13 09:00	08/17/13 01:45	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	08/15/13 09:00	08/17/13 01:45	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	1	08/15/13 09:00	08/17/13 01:45	87-86-5	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Don Christian
Pace Project No.: 92168817

Sample: MW-1A **Lab ID: 92168817001** Collected: 08/13/13 13:20 Received: 08/14/13 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
Phenanthrene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	85-01-8	
Phenol	**14.1**	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	108-95-2	
Pyrene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 01:45	120-82-1	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	08/15/13 09:00	08/17/13 01:45	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	87	%	10-120	1	08/15/13 09:00	08/17/13 01:45	4165-60-0	
2-Fluorobiphenyl (S)	56	%	15-120	1	08/15/13 09:00	08/17/13 01:45	321-60-8	
Terphenyl-d14 (S)	33	%	11-131	1	08/15/13 09:00	08/17/13 01:45	1718-51-0	
Phenol-d6 (S)	33	%	10-120	1	08/15/13 09:00	08/17/13 01:45	13127-88-3	
2-Fluorophenol (S)	52	%	10-120	1	08/15/13 09:00	08/17/13 01:45	367-12-4	
2,4,6-Tribromophenol (S)	78	%	10-137	1	08/15/13 09:00	08/17/13 01:45	118-79-6	
Tentatively Identified Compounds								
2-Pentanol, 2-methyl-	**1030**	ug/L		1	08/15/13 09:00	08/17/13 01:45	590-36-3	N
Toluene	**1290**	ug/L		1	08/15/13 09:00	08/17/13 01:45	108-88-3	N
Cyclopentanol, 1-methyl-	**674**	ug/L		1	08/15/13 09:00	08/17/13 01:45	1462-03-9	N
2-Pentanol, 2,3-dimethyl	**426**	ug/L		1	08/15/13 09:00	08/17/13 01:45	4911-70-0	N
Unknown	**783**	ug/L		1	08/15/13 09:00	08/17/13 01:45		N
Ethylbenzene	**436**	ug/L		1	08/15/13 09:00	08/17/13 01:45	100-41-4	N
Benzene, 1,3-dimethyl-	**832**	ug/L		1	08/15/13 09:00	08/17/13 01:45	108-38-3	N
p-Xylene	**895**	ug/L		1	08/15/13 09:00	08/17/13 01:45	106-42-3	N
Unknown	**282**	ug/L		1	08/15/13 09:00	08/17/13 01:45		N
Benzene, 1-ethyl-2-methy	**349**	ug/L		1	08/15/13 09:00	08/17/13 01:45	611-14-3	N
6200B MSV	Analytical Method: SM 6200B							
Benzene	**5650**	ug/L	25.0	50		08/16/13 06:32	71-43-2	
Bromobenzene	ND	ug/L	25.0	50		08/16/13 06:32	108-86-1	
Bromochloromethane	ND	ug/L	25.0	50		08/16/13 06:32	74-97-5	
Bromodichloromethane	ND	ug/L	25.0	50		08/16/13 06:32	75-27-4	
Bromoform	ND	ug/L	25.0	50		08/16/13 06:32	75-25-2	
Bromomethane	ND	ug/L	250	50		08/16/13 06:32	74-83-9	
n-Butylbenzene	ND	ug/L	25.0	50		08/16/13 06:32	104-51-8	
sec-Butylbenzene	ND	ug/L	25.0	50		08/16/13 06:32	135-98-8	
tert-Butylbenzene	ND	ug/L	25.0	50		08/16/13 06:32	98-06-6	
Carbon tetrachloride	ND	ug/L	25.0	50		08/16/13 06:32	56-23-5	
Chlorobenzene	ND	ug/L	25.0	50		08/16/13 06:32	108-90-7	
Chloroethane	ND	ug/L	50.0	50		08/16/13 06:32	75-00-3	
Chloroform	ND	ug/L	25.0	50		08/16/13 06:32	67-66-3	
Chloromethane	ND	ug/L	50.0	50		08/16/13 06:32	74-87-3	
2-Chlorotoluene	ND	ug/L	25.0	50		08/16/13 06:32	95-49-8	
4-Chlorotoluene	ND	ug/L	25.0	50		08/16/13 06:32	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	50.0	50		08/16/13 06:32	96-12-8	
Dibromochloromethane	ND	ug/L	25.0	50		08/16/13 06:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	25.0	50		08/16/13 06:32	106-93-4	
Dibromomethane	ND	ug/L	25.0	50		08/16/13 06:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	25.0	50		08/16/13 06:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	25.0	50		08/16/13 06:32	541-73-1	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Don Christian
Pace Project No.: 92168817

Sample: MW-1A **Lab ID: 92168817001** Collected: 08/13/13 13:20 Received: 08/14/13 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
1,4-Dichlorobenzene	ND	ug/L	25.0	50		08/16/13 06:32	106-46-7	
Dichlorodifluoromethane	ND	ug/L	25.0	50		08/16/13 06:32	75-71-8	
1,1-Dichloroethane	ND	ug/L	25.0	50		08/16/13 06:32	75-34-3	
1,2-Dichloroethane	**54.1**	ug/L	25.0	50		08/16/13 06:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	50		08/16/13 06:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	25.0	50		08/16/13 06:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	25.0	50		08/16/13 06:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	25.0	50		08/16/13 06:32	78-87-5	
1,3-Dichloropropane	ND	ug/L	25.0	50		08/16/13 06:32	142-28-9	
2,2-Dichloropropane	ND	ug/L	25.0	50		08/16/13 06:32	594-20-7	
1,1-Dichloropropene	ND	ug/L	25.0	50		08/16/13 06:32	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	25.0	50		08/16/13 06:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	25.0	50		08/16/13 06:32	10061-02-6	
Diisopropyl ether	**2570**	ug/L	25.0	50		08/16/13 06:32	108-20-3	
Ethylbenzene	**248**	ug/L	25.0	50		08/16/13 06:32	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	100	50		08/16/13 06:32	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	25.0	50		08/16/13 06:32	98-82-8	
Methylene Chloride	ND	ug/L	100	50		08/16/13 06:32	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	25.0	50		08/16/13 06:32	1634-04-4	
Naphthalene	ND	ug/L	100	50		08/16/13 06:32	91-20-3	
n-Propylbenzene	ND	ug/L	25.0	50		08/16/13 06:32	103-65-1	
Styrene	ND	ug/L	25.0	50		08/16/13 06:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	25.0	50		08/16/13 06:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	25.0	50		08/16/13 06:32	79-34-5	
Tetrachloroethene	ND	ug/L	25.0	50		08/16/13 06:32	127-18-4	
Toluene	**2660**	ug/L	25.0	50		08/16/13 06:32	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	100	50		08/16/13 06:32	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	100	50		08/16/13 06:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	25.0	50		08/16/13 06:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	25.0	50		08/16/13 06:32	79-00-5	
Trichloroethene	ND	ug/L	25.0	50		08/16/13 06:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	50		08/16/13 06:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	25.0	50		08/16/13 06:32	96-18-4	
1,2,4-Trimethylbenzene	**94.5**	ug/L	25.0	50		08/16/13 06:32	95-63-6	
1,3,5-Trimethylbenzene	**26.1**	ug/L	25.0	50		08/16/13 06:32	108-67-8	
Vinyl chloride	ND	ug/L	50.0	50		08/16/13 06:32	75-01-4	
m&p-Xylene	**663**	ug/L	50.0	50		08/16/13 06:32	179601-23-1	
o-Xylene	**301**	ug/L	25.0	50		08/16/13 06:32	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	112	%	70-130	50		08/16/13 06:32	17060-07-0	
Dibromofluoromethane (S)	99	%	70-130	50		08/16/13 06:32	1868-53-7	
4-Bromofluorobenzene (S)	97	%	70-130	50		08/16/13 06:32	460-00-4	
Toluene-d8 (S)	96	%	70-130	50		08/16/13 06:32	2037-26-5	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Don Christian
Pace Project No.: 92168817

Sample: MW-5A **Lab ID: 92168817002** Collected: 08/13/13 13:45 Received: 08/14/13 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
Acenaphthene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	83-32-9	
Acenaphthylene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	208-96-8	
Anthracene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	120-12-7	
Benzo(a)anthracene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	207-08-9	
4-Bromophenylphenyl ether	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	101-55-3	
Butylbenzylphthalate	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	59-50-7	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	08/15/13 09:00	08/17/13 02:13	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	108-60-1	
2-Chloronaphthalene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	91-58-7	
2-Chlorophenol	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	7005-72-3	
Chrysene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	53-70-3	
3,3'-Dichlorobenzidine	ND	ug/L	25.0	1	08/15/13 09:00	08/17/13 02:13	91-94-1	
2,4-Dichlorophenol	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	120-83-2	
Diethylphthalate	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	08/15/13 09:00	08/17/13 02:13	105-67-9	
Dimethylphthalate	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	131-11-3	
Di-n-butylphthalate	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	08/15/13 09:00	08/17/13 02:13	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	1	08/15/13 09:00	08/17/13 02:13	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	606-20-2	
Di-n-octylphthalate	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	117-81-7	
Fluoranthene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	206-44-0	
Fluorene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	87-68-3	
Hexachlorobenzene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	08/15/13 09:00	08/17/13 02:13	77-47-4	
Hexachloroethane	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	193-39-5	
Isophorone	ND	ug/L	10.0	1	08/15/13 09:00	08/17/13 02:13	78-59-1	
Naphthalene	**16.3**	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	91-20-3	
Nitrobenzene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	98-95-3	
2-Nitrophenol	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	08/15/13 09:00	08/17/13 02:13	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	08/15/13 09:00	08/17/13 02:13	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	1	08/15/13 09:00	08/17/13 02:13	87-86-5	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Don Christian
Pace Project No.: 92168817

Sample: MW-5A **Lab ID: 92168817002** Collected: 08/13/13 13:45 Received: 08/14/13 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
Phenanthrene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	85-01-8	
Phenol	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	108-95-2	
Pyrene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1	08/15/13 09:00	08/17/13 02:13	120-82-1	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	08/15/13 09:00	08/17/13 02:13	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	77	%	10-120	1	08/15/13 09:00	08/17/13 02:13	4165-60-0	
2-Fluorobiphenyl (S)	67	%	15-120	1	08/15/13 09:00	08/17/13 02:13	321-60-8	
Terphenyl-d14 (S)	26	%	11-131	1	08/15/13 09:00	08/17/13 02:13	1718-51-0	
Phenol-d6 (S)	33	%	10-120	1	08/15/13 09:00	08/17/13 02:13	13127-88-3	
2-Fluorophenol (S)	44	%	10-120	1	08/15/13 09:00	08/17/13 02:13	367-12-4	
2,4,6-Tribromophenol (S)	89	%	10-137	1	08/15/13 09:00	08/17/13 02:13	118-79-6	
Tentatively Identified Compounds								
2-Butanol, 2,3-dimethyl-	**146**	ug/L		1	08/15/13 09:00	08/17/13 02:13	594-60-5	N
2-Pentanol, 2-methyl-	**883**	ug/L		1	08/15/13 09:00	08/17/13 02:13	590-36-3	N
Toluene	**79.6**	ug/L		1	08/15/13 09:00	08/17/13 02:13	108-88-3	N
Cyclopentanol, 1-methyl-	**389**	ug/L		1	08/15/13 09:00	08/17/13 02:13	1462-03-9	N
2-Hexanol, 2-methyl-	**161**	ug/L		1	08/15/13 09:00	08/17/13 02:13	625-23-0	N
Unknown	**520**	ug/L		1	08/15/13 09:00	08/17/13 02:13		N
p-Xylene	**83.5**	ug/L		1	08/15/13 09:00	08/17/13 02:13	106-42-3	N
1-Methylcyclohexanol	**241**	ug/L		1	08/15/13 09:00	08/17/13 02:13	590-67-0	N
Unknown	**45.8**	ug/L		1	08/15/13 09:00	08/17/13 02:13		N
2(3H)-Benzothiazolone	**19.2**	ug/L		1	08/15/13 09:00	08/17/13 02:13	934-34-9	N
6200B MSV	Analytical Method: SM 6200B							
Benzene	**387**	ug/L	10.0	20		08/16/13 06:49	71-43-2	
Bromobenzene	ND	ug/L	10.0	20		08/16/13 06:49	108-86-1	
Bromochloromethane	ND	ug/L	10.0	20		08/16/13 06:49	74-97-5	
Bromodichloromethane	ND	ug/L	10.0	20		08/16/13 06:49	75-27-4	
Bromoform	ND	ug/L	10.0	20		08/16/13 06:49	75-25-2	
Bromomethane	ND	ug/L	100	20		08/16/13 06:49	74-83-9	
n-Butylbenzene	ND	ug/L	10.0	20		08/16/13 06:49	104-51-8	
sec-Butylbenzene	ND	ug/L	10.0	20		08/16/13 06:49	135-98-8	
tert-Butylbenzene	ND	ug/L	10.0	20		08/16/13 06:49	98-06-6	
Carbon tetrachloride	ND	ug/L	10.0	20		08/16/13 06:49	56-23-5	
Chlorobenzene	ND	ug/L	10.0	20		08/16/13 06:49	108-90-7	
Chloroethane	ND	ug/L	20.0	20		08/16/13 06:49	75-00-3	
Chloroform	ND	ug/L	10.0	20		08/16/13 06:49	67-66-3	
Chloromethane	ND	ug/L	20.0	20		08/16/13 06:49	74-87-3	
2-Chlorotoluene	ND	ug/L	10.0	20		08/16/13 06:49	95-49-8	
4-Chlorotoluene	ND	ug/L	10.0	20		08/16/13 06:49	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	20.0	20		08/16/13 06:49	96-12-8	
Dibromochloromethane	ND	ug/L	10.0	20		08/16/13 06:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	10.0	20		08/16/13 06:49	106-93-4	
Dibromomethane	ND	ug/L	10.0	20		08/16/13 06:49	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	10.0	20		08/16/13 06:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	20		08/16/13 06:49	541-73-1	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro/Don Christian
Pace Project No.: 92168817

Sample: MW-5A **Lab ID: 92168817002** Collected: 08/13/13 13:45 Received: 08/14/13 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
1,4-Dichlorobenzene	ND	ug/L	10.0	20		08/16/13 06:49	106-46-7	
Dichlorodifluoromethane	ND	ug/L	10.0	20		08/16/13 06:49	75-71-8	
1,1-Dichloroethane	ND	ug/L	10.0	20		08/16/13 06:49	75-34-3	
1,2-Dichloroethane	**13.2**	ug/L	10.0	20		08/16/13 06:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	10.0	20		08/16/13 06:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	10.0	20		08/16/13 06:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	10.0	20		08/16/13 06:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	10.0	20		08/16/13 06:49	78-87-5	
1,3-Dichloropropane	ND	ug/L	10.0	20		08/16/13 06:49	142-28-9	
2,2-Dichloropropane	ND	ug/L	10.0	20		08/16/13 06:49	594-20-7	
1,1-Dichloropropene	ND	ug/L	10.0	20		08/16/13 06:49	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	10.0	20		08/16/13 06:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	10.0	20		08/16/13 06:49	10061-02-6	
Diisopropyl ether	**423**	ug/L	25.0	50		08/16/13 12:15	108-20-3	
Ethylbenzene	**103**	ug/L	10.0	20		08/16/13 06:49	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	40.0	20		08/16/13 06:49	87-68-3	
Isopropylbenzene (Cumene)	**11.5**	ug/L	10.0	20		08/16/13 06:49	98-82-8	
Methylene Chloride	ND	ug/L	40.0	20		08/16/13 06:49	75-09-2	
Methyl-tert-butyl ether	**20.4**	ug/L	10.0	20		08/16/13 06:49	1634-04-4	
Naphthalene	ND	ug/L	40.0	20		08/16/13 06:49	91-20-3	
n-Propylbenzene	**12.1**	ug/L	10.0	20		08/16/13 06:49	103-65-1	
Styrene	ND	ug/L	10.0	20		08/16/13 06:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	10.0	20		08/16/13 06:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	10.0	20		08/16/13 06:49	79-34-5	
Tetrachloroethene	ND	ug/L	10.0	20		08/16/13 06:49	127-18-4	
Toluene	**202**	ug/L	10.0	20		08/16/13 06:49	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	40.0	20		08/16/13 06:49	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	40.0	20		08/16/13 06:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	10.0	20		08/16/13 06:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	10.0	20		08/16/13 06:49	79-00-5	
Trichloroethene	ND	ug/L	10.0	20		08/16/13 06:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	20.0	20		08/16/13 06:49	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	10.0	20		08/16/13 06:49	96-18-4	
1,2,4-Trimethylbenzene	**49.0**	ug/L	10.0	20		08/16/13 06:49	95-63-6	
1,3,5-Trimethylbenzene	**14.0**	ug/L	10.0	20		08/16/13 06:49	108-67-8	
Vinyl chloride	ND	ug/L	20.0	20		08/16/13 06:49	75-01-4	
m&p-Xylene	**160**	ug/L	20.0	20		08/16/13 06:49	179601-23-1	
o-Xylene	**78.7**	ug/L	10.0	20		08/16/13 06:49	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	113	%	70-130	20		08/16/13 06:49	17060-07-0	
Dibromofluoromethane (S)	102	%	70-130	20		08/16/13 06:49	1868-53-7	
4-Bromofluorobenzene (S)	101	%	70-130	20		08/16/13 06:49	460-00-4	
Toluene-d8 (S)	96	%	70-130	20		08/16/13 06:49	2037-26-5	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Don Christian
Pace Project No.: 92168817

QC Batch: MSV/23954
Analysis Method: SM 6200B
QC Batch Method: SM 6200B
Analysis Description: 6200B MSV
Associated Lab Samples: 92168817001, 92168817002

METHOD BLANK: 1030020
Matrix: Water
Associated Lab Samples: 92168817001, 92168817002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	08/16/13 02:57	
1,1,1-Trichloroethane	ug/L	ND	0.50	08/16/13 02:57	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	08/16/13 02:57	
1,1,2-Trichloroethane	ug/L	ND	0.50	08/16/13 02:57	
1,1-Dichloroethane	ug/L	ND	0.50	08/16/13 02:57	
1,1-Dichloroethene	ug/L	ND	0.50	08/16/13 02:57	
1,1-Dichloropropene	ug/L	ND	0.50	08/16/13 02:57	
1,2,3-Trichlorobenzene	ug/L	ND	2.0	08/16/13 02:57	
1,2,3-Trichloropropane	ug/L	ND	0.50	08/16/13 02:57	
1,2,4-Trichlorobenzene	ug/L	ND	2.0	08/16/13 02:57	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	08/16/13 02:57	
1,2-Dibromo-3-chloropropane	ug/L	ND	1.0	08/16/13 02:57	
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	08/16/13 02:57	
1,2-Dichlorobenzene	ug/L	ND	0.50	08/16/13 02:57	
1,2-Dichloroethane	ug/L	ND	0.50	08/16/13 02:57	
1,2-Dichloropropane	ug/L	ND	0.50	08/16/13 02:57	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	08/16/13 02:57	
1,3-Dichlorobenzene	ug/L	ND	0.50	08/16/13 02:57	
1,3-Dichloropropane	ug/L	ND	0.50	08/16/13 02:57	
1,4-Dichlorobenzene	ug/L	ND	0.50	08/16/13 02:57	
2,2-Dichloropropane	ug/L	ND	0.50	08/16/13 02:57	
2-Chlorotoluene	ug/L	ND	0.50	08/16/13 02:57	
4-Chlorotoluene	ug/L	ND	0.50	08/16/13 02:57	
Benzene	ug/L	ND	0.50	08/16/13 02:57	
Bromobenzene	ug/L	ND	0.50	08/16/13 02:57	
Bromochloromethane	ug/L	ND	0.50	08/16/13 02:57	
Bromodichloromethane	ug/L	ND	0.50	08/16/13 02:57	
Bromoform	ug/L	ND	0.50	08/16/13 02:57	
Bromomethane	ug/L	ND	5.0	08/16/13 02:57	
Carbon tetrachloride	ug/L	ND	0.50	08/16/13 02:57	
Chlorobenzene	ug/L	ND	0.50	08/16/13 02:57	
Chloroethane	ug/L	ND	1.0	08/16/13 02:57	
Chloroform	ug/L	ND	0.50	08/16/13 02:57	
Chloromethane	ug/L	ND	1.0	08/16/13 02:57	
cis-1,2-Dichloroethene	ug/L	ND	0.50	08/16/13 02:57	
cis-1,3-Dichloropropene	ug/L	ND	0.50	08/16/13 02:57	
Dibromochloromethane	ug/L	ND	0.50	08/16/13 02:57	
Dibromomethane	ug/L	ND	0.50	08/16/13 02:57	
Dichlorodifluoromethane	ug/L	ND	0.50	08/16/13 02:57	
Diisopropyl ether	ug/L	ND	0.50	08/16/13 02:57	
Ethylbenzene	ug/L	ND	0.50	08/16/13 02:57	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	08/16/13 02:57	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	08/16/13 02:57	

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

Pace Analytical
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Don Christian
Pace Project No.: 92168817

METHOD BLANK: 1030020 Matrix: Water

Associated Lab Samples: 92168817001, 92168817002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/L	ND	1.0	08/16/13 02:57	
Methyl-tert-butyl ether	ug/L	ND	0.50	08/16/13 02:57	
Methylene Chloride	ug/L	ND	2.0	08/16/13 02:57	
n-Butylbenzene	ug/L	ND	0.50	08/16/13 02:57	
n-Propylbenzene	ug/L	ND	0.50	08/16/13 02:57	
Naphthalene	ug/L	ND	2.0	08/16/13 02:57	
o-Xylene	ug/L	ND	0.50	08/16/13 02:57	
sec-Butylbenzene	ug/L	ND	0.50	08/16/13 02:57	
Styrene	ug/L	ND	0.50	08/16/13 02:57	
tert-Butylbenzene	ug/L	ND	0.50	08/16/13 02:57	
Tetrachloroethene	ug/L	ND	0.50	08/16/13 02:57	
Toluene	ug/L	ND	0.50	08/16/13 02:57	
trans-1,2-Dichloroethene	ug/L	ND	0.50	08/16/13 02:57	
trans-1,3-Dichloropropene	ug/L	ND	0.50	08/16/13 02:57	
Trichloroethene	ug/L	ND	0.50	08/16/13 02:57	
Trichlorofluoromethane	ug/L	ND	1.0	08/16/13 02:57	
Vinyl chloride	ug/L	ND	1.0	08/16/13 02:57	
1,2-Dichloroethane-d4 (S)	%	107	70-130	08/16/13 02:57	
4-Bromofluorobenzene (S)	%	100	70-130	08/16/13 02:57	
Dibromofluoromethane (S)	%	100	70-130	08/16/13 02:57	
Toluene-d8 (S)	%	96	70-130	08/16/13 02:57	

LABORATORY CONTROL SAMPLE: 1030021

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	59.6	119	60-140	
1,1,1-Trichloroethane	ug/L	50	57.5	115	60-140	
1,1,2,2-Tetrachloroethane	ug/L	50	52.7	105	60-140	
1,1,2-Trichloroethane	ug/L	50	55.4	111	60-140	
1,1-Dichloroethane	ug/L	50	50.4	101	60-140	
1,1-Dichloroethene	ug/L	50	52.3	105	60-140	
1,1-Dichloropropene	ug/L	50	47.4	95	60-140	
1,2,3-Trichlorobenzene	ug/L	50	49.9	100	60-140	
1,2,3-Trichloropropane	ug/L	50	54.5	109	60-140	
1,2,4-Trichlorobenzene	ug/L	50	49.9	100	60-140	
1,2,4-Trimethylbenzene	ug/L	50	50.2	100	60-140	
1,2-Dibromo-3-chloropropane	ug/L	50	62.6	125	60-140	
1,2-Dibromoethane (EDB)	ug/L	50	54.6	109	60-140	
1,2-Dichlorobenzene	ug/L	50	55.0	110	60-140	
1,2-Dichloroethane	ug/L	50	55.1	110	60-140	
1,2-Dichloropropane	ug/L	50	45.8	92	60-140	
1,3,5-Trimethylbenzene	ug/L	50	48.6	97	60-140	
1,3-Dichlorobenzene	ug/L	50	52.6	105	60-140	
1,3-Dichloropropane	ug/L	50	48.7	97	60-140	
1,4-Dichlorobenzene	ug/L	50	51.7	103	60-140	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Don Christian
Pace Project No.: 92168817

LABORATORY CONTROL SAMPLE: 1030021

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	50	50.1	100	60-140	
2-Chlorotoluene	ug/L	50	50.7	101	60-140	
4-Chlorotoluene	ug/L	50	52.5	105	60-140	
Benzene	ug/L	50	48.8	98	60-140	
Bromobenzene	ug/L	50	49.1	98	60-140	
Bromochloromethane	ug/L	50	53.8	108	60-140	
Bromodichloromethane	ug/L	50	60.7	121	60-140	
Bromoform	ug/L	50	51.8	104	60-140	
Bromomethane	ug/L	50	46.5	93	60-140	
Carbon tetrachloride	ug/L	50	59.6	119	60-140	1g
Chlorobenzene	ug/L	50	51.9	104	60-140	
Chloroethane	ug/L	50	47.0	94	60-140	
Chloroform	ug/L	50	52.2	104	60-140	
Chloromethane	ug/L	50	48.2	96	60-140	
cis-1,2-Dichloroethene	ug/L	50	50.1	100	60-140	
cis-1,3-Dichloropropene	ug/L	50	53.0	106	60-140	
Dibromochloromethane	ug/L	50	50.2	100	60-140	
Dibromomethane	ug/L	50	55.7	111	60-140	
Dichlorodifluoromethane	ug/L	50	43.9	88	60-140	
Diisopropyl ether	ug/L	50	50.5	101	60-140	
Ethylbenzene	ug/L	50	51.0	102	60-140	
Hexachloro-1,3-butadiene	ug/L	50	49.2	98	60-140	
Isopropylbenzene (Cumene)	ug/L	50	56.6	113	60-140	
m&p-Xylene	ug/L	100	107	107	60-140	
Methyl-tert-butyl ether	ug/L	50	55.6	111	60-140	
Methylene Chloride	ug/L	50	50.9	102	60-140	
n-Butylbenzene	ug/L	50	47.5	95	60-140	
n-Propylbenzene	ug/L	50	50.5	101	60-140	
Naphthalene	ug/L	50	50.9	102	60-140	
o-Xylene	ug/L	50	54.1	108	60-140	
sec-Butylbenzene	ug/L	50	53.2	106	60-140	
Styrene	ug/L	50	56.4	113	60-140	
tert-Butylbenzene	ug/L	50	52.8	106	60-140	
Tetrachloroethene	ug/L	50	50.3	101	60-140	
Toluene	ug/L	50	49.6	99	60-140	
trans-1,2-Dichloroethene	ug/L	50	49.3	99	60-140	
trans-1,3-Dichloropropene	ug/L	50	47.7	95	60-140	
Trichloroethene	ug/L	50	51.9	104	60-140	
Trichlorofluoromethane	ug/L	50	52.4	105	60-140	
Vinyl chloride	ug/L	50	41.2	82	60-140	
1,2-Dichloroethane-d4 (S)	%			104	70-130	
4-Bromofluorobenzene (S)	%			105	70-130	
Dibromofluoromethane (S)	%			101	70-130	
Toluene-d8 (S)	%			99	70-130	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Don Christian
Pace Project No.: 92168817

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1030022 1030023

Parameter	Units	92168527002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	26.3	26.3	131	132	60-140	0	
1,1,1-Trichloroethane	ug/L	ND	20	20	28.7	28.0	144	140	60-140	3	M0
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	21.5	21.6	108	108	60-140	0	
1,1,2-Trichloroethane	ug/L	ND	20	20	24.9	23.6	124	118	60-140	5	
1,1-Dichloroethane	ug/L	ND	20	20	23.8	23.2	119	116	60-140	2	
1,1-Dichloroethene	ug/L	ND	20	20	26.5	26.5	132	132	60-140	0	
1,1-Dichloropropene	ug/L	ND	20	20	22.3	22.7	112	113	60-140	2	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	21.2	21.5	106	108	60-140	2	
1,2,3-Trichloropropane	ug/L	ND	20	20	23.9	23.2	120	116	60-140	3	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	21.2	21.9	106	110	60-140	3	
1,2,4-Trimethylbenzene	ug/L	ND	20	20	22.8	22.8	114	114	60-140	0	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	25.4	26.5	127	133	60-140	4	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	22.6	22.4	113	112	60-140	1	
1,2-Dichlorobenzene	ug/L	ND	20	20	24.6	24.6	123	123	60-140	0	
1,2-Dichloroethane	ug/L	ND	20	20	26.6	25.9	133	129	60-140	3	
1,2-Dichloropropane	ug/L	ND	20	20	19.8	19.8	99	99	60-140	0	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	22.2	22.4	111	112	60-140	1	
1,3-Dichlorobenzene	ug/L	ND	20	20	23.8	24.0	119	120	60-140	1	
1,3-Dichloropropane	ug/L	ND	20	20	20.3	20.6	102	103	60-140	2	
1,4-Dichlorobenzene	ug/L	ND	20	20	23.1	23.4	115	117	60-140	1	
2,2-Dichloropropane	ug/L	ND	20	20	20.6	20.9	103	104	60-140	1	
2-Chlorotoluene	ug/L	ND	20	20	23.0	24.1	115	120	60-140	5	
4-Chlorotoluene	ug/L	ND	20	20	23.6	24.0	118	120	60-140	2	
Benzene	ug/L	ND	20	20	22.1	21.7	110	109	60-140	2	
Bromobenzene	ug/L	ND	20	20	21.4	21.3	107	106	60-140	1	
Bromochloromethane	ug/L	ND	20	20	24.9	24.5	124	122	60-140	2	
Bromodichloromethane	ug/L	ND	20	20	27.1	26.6	136	133	60-140	2	
Bromoform	ug/L	ND	20	20	22.8	23.1	114	115	60-140	1	
Bromomethane	ug/L	ND	20	20	18.8	21.2	94	106	60-140	12	
Carbon tetrachloride	ug/L	ND	20	20	31.5	30.3	158	151	60-140	4	M0
Chlorobenzene	ug/L	ND	20	20	23.1	23.1	116	115	60-140	0	
Chloroethane	ug/L	ND	20	20	21.8	21.7	109	109	60-140	0	
Chloroform	ug/L	ND	20	20	26.1	24.9	130	124	60-140	5	
Chloromethane	ug/L	ND	20	20	19.9	18.4	98	91	60-140	8	
cis-1,2-Dichloroethene	ug/L	ND	20	20	23.4	22.8	117	114	60-140	3	
cis-1,3-Dichloropropene	ug/L	ND	20	20	20.8	20.8	104	104	60-140	0	
Dibromochloromethane	ug/L	ND	20	20	23.0	23.1	115	115	60-140	0	
Dibromomethane	ug/L	ND	20	20	24.6	23.9	123	119	60-140	3	
Dichlorodifluoromethane	ug/L	ND	20	20	23.7	23.8	118	119	60-140	1	
Diisopropyl ether	ug/L	ND	20	20	22.4	22.2	112	111	60-140	1	
Ethylbenzene	ug/L	ND	20	20	23.4	23.0	117	115	60-140	2	
Hexachloro-1,3-butadiene	ug/L	ND	20	20	21.7	22.7	109	113	60-140	4	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	25.7	25.9	128	130	60-140	1	
m&p-Xylene	ug/L	ND	40	40	48.7	47.2	122	118	60-140	3	
Methyl-tert-butyl ether	ug/L	ND	20	20	23.4	23.9	117	120	60-140	2	
Methylene Chloride	ug/L	ND	20	20	22.9	22.2	115	111	60-140	3	
n-Butylbenzene	ug/L	ND	20	20	20.8	21.6	104	108	60-140	4	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Don Christian
Pace Project No.: 92168817

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1030022 1030023

Parameter	Units	92168527002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
n-Propylbenzene	ug/L	ND	20	20	23.0	23.7	115	119	60-140	3	
Naphthalene	ug/L	ND	20	20	20.8	21.3	104	107	60-140	3	
o-Xylene	ug/L	ND	20	20	24.1	24.2	120	121	60-140	1	
sec-Butylbenzene	ug/L	ND	20	20	24.6	25.1	123	125	60-140	2	
Styrene	ug/L	ND	20	20	24.2	24.4	121	122	60-140	1	
tert-Butylbenzene	ug/L	ND	20	20	25.0	25.0	125	125	60-140	0	
Tetrachloroethene	ug/L	ND	20	20	23.7	23.6	118	118	60-140	0	
Toluene	ug/L	ND	20	20	22.5	22.2	112	111	60-140	1	
trans-1,2-Dichloroethene	ug/L	ND	20	20	24.1	23.8	120	119	60-140	1	
trans-1,3-Dichloropropene	ug/L	ND	20	20	21.1	21.0	105	105	60-140	1	
Trichloroethene	ug/L	ND	20	20	25.1	24.8	125	124	60-140	1	
Trichlorofluoromethane	ug/L	ND	20	20	29.4	29.1	147	145	60-140	1	M0
Vinyl chloride	ug/L	ND	20	20	19.6	19.7	98	98	60-140	1	
1,2-Dichloroethane-d4 (S)	%						109	110	70-130		
4-Bromofluorobenzene (S)	%						101	104	70-130		
Dibromofluoromethane (S)	%						104	104	70-130		
Toluene-d8 (S)	%						95	95	70-130		

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Don Christian
Pace Project No.: 92168817

QC Batch: OEXT/23446 | Analysis Method: EPA 625
QC Batch Method: EPA 625 | Analysis Description: 625 MSS
Associated Lab Samples: 92168817001, 92168817002

METHOD BLANK: 1029073 | Matrix: Water
Associated Lab Samples: 92168817001, 92168817002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	08/16/13 22:26	
2,4,6-Trichlorophenol	ug/L	ND	10.0	08/16/13 22:26	
2,4-Dichlorophenol	ug/L	ND	5.0	08/16/13 22:26	
2,4-Dimethylphenol	ug/L	ND	10.0	08/16/13 22:26	
2,4-Dinitrophenol	ug/L	ND	50.0	08/16/13 22:26	
2,4-Dinitrotoluene	ug/L	ND	5.0	08/16/13 22:26	
2,6-Dinitrotoluene	ug/L	ND	5.0	08/16/13 22:26	
2-Chloronaphthalene	ug/L	ND	5.0	08/16/13 22:26	
2-Chlorophenol	ug/L	ND	5.0	08/16/13 22:26	
2-Nitrophenol	ug/L	ND	5.0	08/16/13 22:26	
3,3'-Dichlorobenzidine	ug/L	ND	25.0	08/16/13 22:26	
4,6-Dinitro-2-methylphenol	ug/L	ND	20.0	08/16/13 22:26	
4-Bromophenylphenyl ether	ug/L	ND	5.0	08/16/13 22:26	
4-Chloro-3-methylphenol	ug/L	ND	5.0	08/16/13 22:26	
4-Chlorophenylphenyl ether	ug/L	ND	5.0	08/16/13 22:26	
4-Nitrophenol	ug/L	ND	50.0	08/16/13 22:26	
Acenaphthene	ug/L	ND	5.0	08/16/13 22:26	
Acenaphthylene	ug/L	ND	5.0	08/16/13 22:26	
Anthracene	ug/L	ND	5.0	08/16/13 22:26	
Benzo(a)anthracene	ug/L	ND	5.0	08/16/13 22:26	
Benzo(a)pyrene	ug/L	ND	5.0	08/16/13 22:26	
Benzo(b)fluoranthene	ug/L	ND	5.0	08/16/13 22:26	
Benzo(g,h,i)perylene	ug/L	ND	5.0	08/16/13 22:26	
Benzo(k)fluoranthene	ug/L	ND	5.0	08/16/13 22:26	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	08/16/13 22:26	
bis(2-Chloroethyl) ether	ug/L	ND	5.0	08/16/13 22:26	
bis(2-Chloroisopropyl) ether	ug/L	ND	5.0	08/16/13 22:26	
bis(2-Ethylhexyl)phthalate	ug/L	ND	5.0	08/16/13 22:26	
Butylbenzylphthalate	ug/L	ND	5.0	08/16/13 22:26	
Chrysene	ug/L	ND	5.0	08/16/13 22:26	
Di-n-butylphthalate	ug/L	ND	5.0	08/16/13 22:26	
Di-n-octylphthalate	ug/L	ND	5.0	08/16/13 22:26	
Dibenz(a,h)anthracene	ug/L	ND	5.0	08/16/13 22:26	
Diethylphthalate	ug/L	ND	5.0	08/16/13 22:26	
Dimethylphthalate	ug/L	ND	5.0	08/16/13 22:26	
Fluoranthene	ug/L	ND	5.0	08/16/13 22:26	
Fluorene	ug/L	ND	5.0	08/16/13 22:26	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/16/13 22:26	
Hexachlorobenzene	ug/L	ND	5.0	08/16/13 22:26	
Hexachlorocyclopentadiene	ug/L	ND	10.0	08/16/13 22:26	
Hexachloroethane	ug/L	ND	5.0	08/16/13 22:26	
Indeno(1,2,3-cd)pyrene	ug/L	ND	5.0	08/16/13 22:26	
Isophorone	ug/L	ND	10.0	08/16/13 22:26	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Don Christian
Pace Project No.: 92168817

METHOD BLANK: 1029073 Matrix: Water

Associated Lab Samples: 92168817001, 92168817002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
N-Nitroso-di-n-propylamine	ug/L	ND	5.0	08/16/13 22:26	
N-Nitrosodimethylamine	ug/L	ND	5.0	08/16/13 22:26	
N-Nitrosodiphenylamine	ug/L	ND	10.0	08/16/13 22:26	
Naphthalene	ug/L	ND	5.0	08/16/13 22:26	
Nitrobenzene	ug/L	ND	5.0	08/16/13 22:26	
Pentachlorophenol	ug/L	ND	25.0	08/16/13 22:26	
Phenanthrene	ug/L	ND	5.0	08/16/13 22:26	
Phenol	ug/L	ND	5.0	08/16/13 22:26	
Pyrene	ug/L	ND	5.0	08/16/13 22:26	
2,4,6-Tribromophenol (S)	%	59	10-137	08/16/13 22:26	
2-Fluorobiphenyl (S)	%	46	15-120	08/16/13 22:26	
2-Fluorophenol (S)	%	29	10-120	08/16/13 22:26	
Nitrobenzene-d5 (S)	%	48	10-120	08/16/13 22:26	
Phenol-d6 (S)	%	21	10-120	08/16/13 22:26	
Terphenyl-d14 (S)	%	53	11-131	08/16/13 22:26	

LABORATORY CONTROL SAMPLE: 1029074

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	29.5	59	44-142	
2,4,6-Trichlorophenol	ug/L	50	31.0	62	37-144	
2,4-Dichlorophenol	ug/L	50	31.6	63	1-191	
2,4-Dimethylphenol	ug/L	50	31.4	63	32-119	
2,4-Dinitrophenol	ug/L	250	196	78	1-181	
2,4-Dinitrotoluene	ug/L	50	41.1	82	39-139	
2,6-Dinitrotoluene	ug/L	50	40.0	80	50-158	
2-Chloronaphthalene	ug/L	50	30.5	61	60-118	
2-Chlorophenol	ug/L	50	30.8	62	23-134	
2-Nitrophenol	ug/L	50	32.9	66	29-182	
3,3'-Dichlorobenzidine	ug/L	100	68.2	68	1-262	
4,6-Dinitro-2-methylphenol	ug/L	100	81.1	81	1-181	
4-Bromophenylphenyl ether	ug/L	50	28.4	57	53-127	
4-Chloro-3-methylphenol	ug/L	100	65.4	65	22-147	
4-Chlorophenylphenyl ether	ug/L	50	28.3	57	25-158	
4-Nitrophenol	ug/L	250	78.8	32	1-132	
Acenaphthene	ug/L	50	33.4	67	47-145	
Acenaphthylene	ug/L	50	33.2	66	33-145	
Anthracene	ug/L	50	38.4	77	1-166	
Benzo(a)anthracene	ug/L	50	38.6	77	33-143	
Benzo(a)pyrene	ug/L	50	40.1	80	17-163	
Benzo(b)fluoranthene	ug/L	50	39.6	79	24-159	
Benzo(g,h,i)perylene	ug/L	50	39.4	79	1-219	
Benzo(k)fluoranthene	ug/L	50	37.9	76	11-162	
bis(2-Chloroethoxy)methane	ug/L	50	26.0	52	33-184	
bis(2-Chloroethyl) ether	ug/L	50	29.9	60	12-158	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Don Christian
Pace Project No.: 92168817

LABORATORY CONTROL SAMPLE: 1029074

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
bis(2-Chloroisopropyl) ether	ug/L	50	24.1	48	36-166	
bis(2-Ethylhexyl)phthalate	ug/L	50	43.7	87	8-158	
Butylbenzylphthalate	ug/L	50	42.3	85	1-152	
Chrysene	ug/L	50	40.7	81	17-168	
Di-n-butylphthalate	ug/L	50	42.0	84	1-118	
Di-n-octylphthalate	ug/L	50	44.6	89	4-146	
Dibenz(a,h)anthracene	ug/L	50	40.3	81	1-227	
Diethylphthalate	ug/L	50	38.4	77	1-114	
Dimethylphthalate	ug/L	50	37.0	74	1-112	
Fluoranthene	ug/L	50	41.7	83	26-137	
Fluorene	ug/L	50	36.1	72	59-121	
Hexachloro-1,3-butadiene	ug/L	50	28.0	56	24-116	
Hexachlorobenzene	ug/L	50	35.8	72	1-152	
Hexachlorocyclopentadiene	ug/L	50	40.4	81	25-150	
Hexachloroethane	ug/L	50	29.4	59	40-113	
Indeno(1,2,3-cd)pyrene	ug/L	50	41.3	83	1-171	
Isophorone	ug/L	50	35.8	72	21-196	
N-Nitroso-di-n-propylamine	ug/L	50	34.1	68	1-230	
N-Nitrosodimethylamine	ug/L	50	20.7	41	25-150	
N-Nitrosodiphenylamine	ug/L	50	31.8	64	25-150	
Naphthalene	ug/L	50	31.5	63	21-133	
Nitrobenzene	ug/L	50	34.5	69	35-180	
Pentachlorophenol	ug/L	100	64.8	65	14-176	
Phenanthrene	ug/L	50	38.3	77	54-120	
Phenol	ug/L	50	17.2	34	5-112	
Pyrene	ug/L	50	38.4	77	52-115	
2,4,6-Tribromophenol (S)	%			74	10-137	
2-Fluorobiphenyl (S)	%			62	15-120	
2-Fluorophenol (S)	%			42	10-120	
Nitrobenzene-d5 (S)	%			67	10-120	
Phenol-d6 (S)	%			32	10-120	
Terphenyl-d14 (S)	%			59	11-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1029075 1029076

Parameter	Units	92168633001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2,4-Trichlorobenzene	ug/L	ND	100	100	56.7	66.1	57	66	44-142	15	
2,4,6-Trichlorophenol	ug/L	ND	100	100	54.8	61.3	55	61	37-144	11	
2,4-Dichlorophenol	ug/L	ND	100	100	56.0	64.7	56	65	1-191	14	
2,4-Dimethylphenol	ug/L	ND	100	100	8.8J	8J	9	8	32-119		M1
2,4-Dinitrophenol	ug/L	ND	500	500	356	396	71	79	1-181	11	
2,4-Dinitrotoluene	ug/L	ND	100	100	75.6	84.7	76	85	39-139	11	
2,6-Dinitrotoluene	ug/L	ND	100	100	72.7	79.3	73	79	50-158	9	
2-Chloronaphthalene	ug/L	ND	100	100	58.2	65.8	58	66	60-118	12	M1
2-Chlorophenol	ug/L	ND	100	100	57.0	63.1	57	63	23-134	10	
2-Nitrophenol	ug/L	ND	100	100	61.8	69.9	62	70	29-182	12	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Don Christian
Pace Project No.: 92168817

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1029075 1029076

Parameter	Units	92168633001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
3,3'-Dichlorobenzidine	ug/L	ND	200	200	ND	ND	0	0	1-262		M1
4,6-Dinitro-2-methylphenol	ug/L	ND	200	200	149	157	74	79	1-181	6	
4-Bromophenylphenyl ether	ug/L	ND	100	100	53.3	57.5	53	58	53-127	8	
4-Chloro-3-methylphenol	ug/L	ND	200	200	115	124	58	62	22-147	7	
4-Chlorophenylphenyl ether	ug/L	ND	100	100	53.0	58.8	53	59	25-158	10	
4-Nitrophenol	ug/L	ND	500	500	223	256	45	51	1-132	14	
Acenaphthene	ug/L	ND	100	100	62.7	70.3	63	70	47-145	11	
Acenaphthylene	ug/L	ND	100	100	59.0	65.1	59	65	33-145	10	
Anthracene	ug/L	ND	100	100	52.9	51.9	53	52	1-166	2	
Benzo(a)anthracene	ug/L	ND	100	100	69.3	72.7	69	73	33-143	5	
Benzo(a)pyrene	ug/L	ND	100	100	46.9	45.0	47	45	17-163	4	
Benzo(b)fluoranthene	ug/L	ND	100	100	71.1	78.4	71	78	24-159	10	
Benzo(g,h,i)perylene	ug/L	ND	100	100	79.4	84.4	79	84	1-219	6	
Benzo(k)fluoranthene	ug/L	ND	100	100	72.1	81.2	72	81	11-162	12	
bis(2-Chloroethoxy)methane	ug/L	ND	100	100	46.6	52.4	47	52	33-184	12	
bis(2-Chloroethyl) ether	ug/L	ND	100	100	52.1	58.0	52	58	12-158	11	
bis(2-Chloroisopropyl) ether	ug/L	ND	100	100	44.1	48.3	44	48	36-166	9	
bis(2-Ethylhexyl)phthalate	ug/L	ND	100	100	79.7	82.2	80	82	8-158	3	
Butylbenzylphthalate	ug/L	ND	100	100	79.3	82.5	79	82	1-152	4	
Chrysene	ug/L	ND	100	100	77.6	82.5	78	82	17-168	6	
Di-n-butylphthalate	ug/L	ND	100	100	79.0	84.6	79	85	1-118	7	
Di-n-octylphthalate	ug/L	ND	100	100	84.0	87.7	84	88	4-146	4	
Dibenz(a,h)anthracene	ug/L	ND	100	100	80.8	85.4	81	85	1-227	6	
Diethylphthalate	ug/L	ND	100	100	71.5	78.8	72	79	1-114	10	
Dimethylphthalate	ug/L	ND	100	100	69.3	76.1	69	76	1-112	9	
Fluoranthene	ug/L	ND	100	100	77.4	85.8	77	86	26-137	10	
Fluorene	ug/L	ND	100	100	67.9	75.6	68	76	59-121	11	
Hexachloro-1,3-butadiene	ug/L	ND	100	100	54.8	63.3	55	63	24-116	14	
Hexachlorobenzene	ug/L	ND	100	100	67.1	70.8	67	71	1-152	5	
Hexachlorocyclopentadiene	ug/L	ND	100	100	82.8	94.2	83	94	25-150	13	
Hexachloroethane	ug/L	ND	100	100	56.9	65.4	57	65	40-113	14	
Indeno(1,2,3-cd)pyrene	ug/L	ND	100	100	80.2	86.4	80	86	1-171	8	
Isophorone	ug/L	ND	100	100	62.6	70.0	63	70	21-196	11	
N-Nitroso-di-n-propylamine	ug/L	ND	100	100	59.2	62.1	59	62	1-230	5	
N-Nitrosodimethylamine	ug/L	ND	100	100	48.2	54.8	48	55	25-150	13	
N-Nitrosodiphenylamine	ug/L	ND	100	100	47.6	54.0	48	54	25-150	12	
Naphthalene	ug/L	ND	100	100	60.4	69.1	60	69	21-133	13	
Nitrobenzene	ug/L	ND	100	100	97.8	124	98	124	35-180	24	
Pentachlorophenol	ug/L	ND	200	200	120	131	60	66	14-176	9	
Phenanthrene	ug/L	ND	100	100	72.7	76.9	73	77	54-120	6	
Phenol	ug/L	ND	100	100	39.9	41.5	40	41	5-112	4	
Pyrene	ug/L	ND	100	100	70.8	72.8	71	73	52-115	3	
2,4,6-Tribromophenol (S)	%						63	69	10-137		
2-Fluorobiphenyl (S)	%						56	63	15-120		
2-Fluorophenol (S)	%						44	49	10-120		
Nitrobenzene-d5 (S)	%						61	68	10-120		
Phenol-d6 (S)	%						39	40	10-120		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro/Don Christian
Pace Project No.: 92168817

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1029075 1029076

Parameter	Units	92168633001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Terphenyl-d14 (S)	%						49	57	11-131		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: Carrboro/Don Christian
Pace Project No.: 92168817

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.

PRL - Pace Reporting Limit.

RL - Reporting 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.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

TNI - The NELAC Institute.

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

1g	The end continuing calibration for this compound is outside of Pace Analytical acceptance limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
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.
N	Tentatively identified compound (TIC) based on mass spectral library search

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Carrboro/Don Christian
Pace Project No.: 92168817

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92168817001	**MW-1A**	EPA 625	OEXT/23446	EPA 625	MSSV/8087
92168817002	**MW-5A**	EPA 625	OEXT/23446	EPA 625	MSSV/8087
92168817001	**MW-1A**	SM 6200B	MSV/23954		
92168817002	**MW-5A**	SM 6200B	MSV/23954		

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

Pace Analytical	Sample Condition Upon Receipt (SCUR)	Page 1 of 2
	Document Number: F-CHR-CS-03-rev.11	Issuing Authority: Pace Huntersville Quality Office

Client Name: Pyramid

Where Received: ☑ Huntersville ☐ Asheville ☐ Eden ☐ Raleigh

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other_____

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

Optional
Proj. Due Date:
Proj. Name:

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other_____

Thermometer Used: IR Gun T1102 T1301 **Type of Ice:** Wet Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor **T1102**: No Correction **T1301**: No Correction

Corrected Cooler Temp.: 1.7 C **Biological Tissue is Frozen:** Yes No N/A

Date and Initials of person examining contents: KJ 08/14/13

Temp should be above freezing to 6°C

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

SRF Review: [signature] **Date:** 8/15/13

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)

WO#: 92168817

92168817

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1690844

Section A Required Client Information:

Company: Pyramid Enviro
Address: 503 Industrial Ave
OSBO, NC 27406
Email To:
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Pyramid Enviro
Copy To:
Purchase Order No.:
Project Name: Carrboro/Pou christian
Project Number: 2013-161

Section C Invoice Information:

Attention: Mike Jones
Company Name: Pyramid
Address:
Pace Quote Reference:
Pace Project Manager: Kevin Godwin
Pace Profile #: 2982-2

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☑ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: NC

Requested Analysis Filtered (Y/N)

92168817

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	TIME	COMPOSITE END/GRAB DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) 6200B	625 + TICs	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
					GRAB																	
1	MW-1A	WT	WT	G	08/13/13		13:20			6	2		4						X	X		001
2	MW-5A	WT	WT	G	08/13/13		13:45			6	2		4						X	X		002
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

TRUST FUND RATES

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Michael Jones	8/13/13	15:05	[signature]	8/14/13	1310				
	[signature]	8/14/13	1630	[signature] PAM	8/14/13	1430	1.7	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: MICHAEL JONES

SIGNATURE of SAMPLER: Michael Jones DATE Signed (MM/DD/YY): 08/13/13

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

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

August 29, 2013

Mr. Mike Jones
Pyramid Environmental
P.O. Box 16265
503 Industrial Avenue
Greensboro, NC 27416

RE: Project: Carrabo UST
Pace Project No.: 92169888

Dear Mr. Jones:
Enclosed are the analytical results for sample(s) received by the laboratory on August 23, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted 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,

Angela M. Baioni

Angela Baioni for
Kevin Godwin
kevin.godwin@pacelabs.com
Project Manager

Enclosures

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Carrabo UST
Pace Project No.: 92169888

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Carrabo UST
Pace Project No.: 92169888

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92169888001	**MW-1A**	EPA 625	BPJ	68	PASI-C
		SM 6200B	CAH	64	PASI-C
92169888002	**MW-5A**	EPA 625	BPJ	68	PASI-C
		SM 6200B	CAH	64	PASI-C

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

Pace Analytical
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrabo UST
Pace Project No.: 92169888

Sample: MW-1A **Lab ID: 92169888001** Collected: 08/23/13 10:50 Received: 08/23/13 13:52 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
Acenaphthene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	83-32-9	
Acenaphthylene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	208-96-8	
Anthracene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	120-12-7	
Benzo(a)anthracene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	207-08-9	
4-Bromophenylphenyl ether	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	101-55-3	
Butylbenzylphthalate	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	59-50-7	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	08/26/13 09:15	08/27/13 02:12	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	108-60-1	
2-Chloronaphthalene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	91-58-7	
2-Chlorophenol	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	7005-72-3	
Chrysene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	53-70-3	
3,3'-Dichlorobenzidine	ND	ug/L	25.0	1	08/26/13 09:15	08/27/13 02:12	91-94-1	
2,4-Dichlorophenol	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	120-83-2	
Diethylphthalate	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	08/26/13 09:15	08/27/13 02:12	105-67-9	
Dimethylphthalate	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	131-11-3	
Di-n-butylphthalate	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	08/26/13 09:15	08/27/13 02:12	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	1	08/26/13 09:15	08/27/13 02:12	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	606-20-2	
Di-n-octylphthalate	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	117-81-7	
Fluoranthene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	206-44-0	
Fluorene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	87-68-3	
Hexachlorobenzene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	08/26/13 09:15	08/27/13 02:12	77-47-4	
Hexachloroethane	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	193-39-5	
Isophorone	ND	ug/L	10.0	1	08/26/13 09:15	08/27/13 02:12	78-59-1	
Naphthalene	**17.0**	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	91-20-3	
Nitrobenzene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	98-95-3	
2-Nitrophenol	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	08/26/13 09:15	08/27/13 02:12	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	08/26/13 09:15	08/27/13 02:12	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	1	08/26/13 09:15	08/27/13 02:12	87-86-5	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrabo UST
Pace Project No.: 92169888

Sample: MW-1A **Lab ID: 92169888001** Collected: 08/23/13 10:50 Received: 08/23/13 13:52 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
Phenanthrene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	85-01-8	
Phenol	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	108-95-2	
Pyrene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:12	120-82-1	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	08/26/13 09:15	08/27/13 02:12	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	66	%	10-120	1	08/26/13 09:15	08/27/13 02:12	4165-60-0	
2-Fluorobiphenyl (S)	61	%	15-120	1	08/26/13 09:15	08/27/13 02:12	321-60-8	
Terphenyl-d14 (S)	24	%	11-131	1	08/26/13 09:15	08/27/13 02:12	1718-51-0	
Phenol-d6 (S)	25	%	10-120	1	08/26/13 09:15	08/27/13 02:12	13127-88-3	
2-Fluorophenol (S)	31	%	10-120	1	08/26/13 09:15	08/27/13 02:12	367-12-4	
2,4,6-Tribromophenol (S)	63	%	10-137	1	08/26/13 09:15	08/27/13 02:12	118-79-6	
Tentatively Identified Compounds								
Unknown	**120**	ug/L		1	08/26/13 09:15	08/27/13 02:12		N
Unknown	**471**	ug/L		1	08/26/13 09:15	08/27/13 02:12		N
Toluene	**143**	ug/L		1	08/26/13 09:15	08/27/13 02:12	108-88-3	N
Cyclopentanol, 1-methyl-	**237**	ug/L		1	08/26/13 09:15	08/27/13 02:12	1462-03-9	N
Unknown	**96.6**	ug/L		1	08/26/13 09:15	08/27/13 02:12		N
Unknown	**318**	ug/L		1	08/26/13 09:15	08/27/13 02:12		N
o-Xylene	**147**	ug/L		1	08/26/13 09:15	08/27/13 02:12	95-47-6	N
Unknown	**206**	ug/L		1	08/26/13 09:15	08/27/13 02:12		N
Benzene, 1,2,3-trimethyl	**73.8**	ug/L		1	08/26/13 09:15	08/27/13 02:12	526-73-8	N
Indane	**90.7**	ug/L		1	08/26/13 09:15	08/27/13 02:12	496-11-7	N
6200B MSV	Analytical Method: SM 6200B							
Benzene	**4170**	ug/L	25.0	50		08/28/13 07:25	71-43-2	
Bromobenzene	ND	ug/L	25.0	50		08/28/13 07:25	108-86-1	
Bromochloromethane	ND	ug/L	25.0	50		08/28/13 07:25	74-97-5	
Bromodichloromethane	ND	ug/L	25.0	50		08/28/13 07:25	75-27-4	
Bromoform	ND	ug/L	25.0	50		08/28/13 07:25	75-25-2	
Bromomethane	ND	ug/L	250	50		08/28/13 07:25	74-83-9	
n-Butylbenzene	ND	ug/L	25.0	50		08/28/13 07:25	104-51-8	
sec-Butylbenzene	ND	ug/L	25.0	50		08/28/13 07:25	135-98-8	
tert-Butylbenzene	ND	ug/L	25.0	50		08/28/13 07:25	98-06-6	
Carbon tetrachloride	ND	ug/L	25.0	50		08/28/13 07:25	56-23-5	
Chlorobenzene	ND	ug/L	25.0	50		08/28/13 07:25	108-90-7	
Chloroethane	ND	ug/L	50.0	50		08/28/13 07:25	75-00-3	
Chloroform	ND	ug/L	25.0	50		08/28/13 07:25	67-66-3	
Chloromethane	ND	ug/L	50.0	50		08/28/13 07:25	74-87-3	
2-Chlorotoluene	ND	ug/L	25.0	50		08/28/13 07:25	95-49-8	
4-Chlorotoluene	ND	ug/L	25.0	50		08/28/13 07:25	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	50.0	50		08/28/13 07:25	96-12-8	
Dibromochloromethane	ND	ug/L	25.0	50		08/28/13 07:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	25.0	50		08/28/13 07:25	106-93-4	
Dibromomethane	ND	ug/L	25.0	50		08/28/13 07:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	25.0	50		08/28/13 07:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	25.0	50		08/28/13 07:25	541-73-1	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrabo UST
Pace Project No.: 92169888

Sample: MW-1A **Lab ID: 92169888001** Collected: 08/23/13 10:50 Received: 08/23/13 13:52 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
1,4-Dichlorobenzene	ND	ug/L	25.0	50		08/28/13 07:25	106-46-7	
Dichlorodifluoromethane	ND	ug/L	25.0	50		08/28/13 07:25	75-71-8	
1,1-Dichloroethane	ND	ug/L	25.0	50		08/28/13 07:25	75-34-3	
1,2-Dichloroethane	**32.0**	ug/L	25.0	50		08/28/13 07:25	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	50		08/28/13 07:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	25.0	50		08/28/13 07:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	25.0	50		08/28/13 07:25	156-60-5	
1,2-Dichloropropane	ND	ug/L	25.0	50		08/28/13 07:25	78-87-5	
1,3-Dichloropropane	ND	ug/L	25.0	50		08/28/13 07:25	142-28-9	
2,2-Dichloropropane	ND	ug/L	25.0	50		08/28/13 07:25	594-20-7	
1,1-Dichloropropene	ND	ug/L	25.0	50		08/28/13 07:25	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	25.0	50		08/28/13 07:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	25.0	50		08/28/13 07:25	10061-02-6	
Diisopropyl ether	**1530**	ug/L	25.0	50		08/28/13 07:25	108-20-3	
Ethylbenzene	**442**	ug/L	25.0	50		08/28/13 07:25	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	100	50		08/28/13 07:25	87-68-3	
Isopropylbenzene (Cumene)	**25.1**	ug/L	25.0	50		08/28/13 07:25	98-82-8	
Methylene Chloride	ND	ug/L	100	50		08/28/13 07:25	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	25.0	50		08/28/13 07:25	1634-04-4	
Naphthalene	**151**	ug/L	100	50		08/28/13 07:25	91-20-3	
n-Propylbenzene	**48.4**	ug/L	25.0	50		08/28/13 07:25	103-65-1	
Styrene	**30.3**	ug/L	25.0	50		08/28/13 07:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	25.0	50		08/28/13 07:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	25.0	50		08/28/13 07:25	79-34-5	
Tetrachloroethene	ND	ug/L	25.0	50		08/28/13 07:25	127-18-4	
Toluene	**3080**	ug/L	25.0	50		08/28/13 07:25	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	100	50		08/28/13 07:25	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	100	50		08/28/13 07:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	25.0	50		08/28/13 07:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	25.0	50		08/28/13 07:25	79-00-5	
Trichloroethene	ND	ug/L	25.0	50		08/28/13 07:25	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	50		08/28/13 07:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	25.0	50		08/28/13 07:25	96-18-4	
1,2,4-Trimethylbenzene	**337**	ug/L	25.0	50		08/28/13 07:25	95-63-6	
1,3,5-Trimethylbenzene	**130**	ug/L	25.0	50		08/28/13 07:25	108-67-8	
Vinyl chloride	ND	ug/L	50.0	50		08/28/13 07:25	75-01-4	
m&p-Xylene	**1300**	ug/L	50.0	50		08/28/13 07:25	179601-23-1	
o-Xylene	**754**	ug/L	25.0	50		08/28/13 07:25	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%	70-130	50		08/28/13 07:25	17060-07-0	
Dibromofluoromethane (S)	96	%	70-130	50		08/28/13 07:25	1868-53-7	
4-Bromofluorobenzene (S)	97	%	70-130	50		08/28/13 07:25	460-00-4	
Toluene-d8 (S)	100	%	70-130	50		08/28/13 07:25	2037-26-5	

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

Pace Analytical
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrabo UST
Pace Project No.: 92169888

Sample: MW-5A **Lab ID: 92169888002** Collected: 08/23/13 11:00 Received: 08/23/13 13:52 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
Acenaphthene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	83-32-9	
Acenaphthylene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	208-96-8	
Anthracene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	120-12-7	
Benzo(a)anthracene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	207-08-9	
4-Bromophenylphenyl ether	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	101-55-3	
Butylbenzylphthalate	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	59-50-7	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	08/26/13 09:15	08/27/13 02:41	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	108-60-1	
2-Chloronaphthalene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	91-58-7	
2-Chlorophenol	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	7005-72-3	
Chrysene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	53-70-3	
3,3'-Dichlorobenzidine	ND	ug/L	25.0	1	08/26/13 09:15	08/27/13 02:41	91-94-1	
2,4-Dichlorophenol	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	120-83-2	
Diethylphthalate	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	08/26/13 09:15	08/27/13 02:41	105-67-9	
Dimethylphthalate	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	131-11-3	
Di-n-butylphthalate	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	08/26/13 09:15	08/27/13 02:41	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	1	08/26/13 09:15	08/27/13 02:41	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	606-20-2	
Di-n-octylphthalate	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	117-81-7	
Fluoranthene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	206-44-0	
Fluorene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	87-68-3	
Hexachlorobenzene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	08/26/13 09:15	08/27/13 02:41	77-47-4	
Hexachloroethane	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	193-39-5	
Isophorone	ND	ug/L	10.0	1	08/26/13 09:15	08/27/13 02:41	78-59-1	
Naphthalene	**19.9**	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	91-20-3	
Nitrobenzene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	98-95-3	
2-Nitrophenol	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	08/26/13 09:15	08/27/13 02:41	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	08/26/13 09:15	08/27/13 02:41	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	1	08/26/13 09:15	08/27/13 02:41	87-86-5	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrabo UST
Pace Project No.: 92169888

Sample: MW-5A **Lab ID: 92169888002** Collected: 08/23/13 11:00 Received: 08/23/13 13:52 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
Phenanthrene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	85-01-8	
Phenol	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	108-95-2	
Pyrene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1	08/26/13 09:15	08/27/13 02:41	120-82-1	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	08/26/13 09:15	08/27/13 02:41	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	78	%	10-120	1	08/26/13 09:15	08/27/13 02:41	4165-60-0	
2-Fluorobiphenyl (S)	73	%	15-120	1	08/26/13 09:15	08/27/13 02:41	321-60-8	
Terphenyl-d14 (S)	35	%	11-131	1	08/26/13 09:15	08/27/13 02:41	1718-51-0	
Phenol-d6 (S)	32	%	10-120	1	08/26/13 09:15	08/27/13 02:41	13127-88-3	
2-Fluorophenol (S)	43	%	10-120	1	08/26/13 09:15	08/27/13 02:41	367-12-4	
2,4,6-Tribromophenol (S)	74	%	10-137	1	08/26/13 09:15	08/27/13 02:41	118-79-6	
Tentatively Identified Compounds								
2-Butanol, 2,3-dimethyl-	**186**	ug/L		1	08/26/13 09:15	08/27/13 02:41	594-60-5	N
2-Pentanol, 2-methyl-	**653**	ug/L		1	08/26/13 09:15	08/27/13 02:41	590-36-3	N
Toluene	**204**	ug/L		1	08/26/13 09:15	08/27/13 02:41	108-88-3	N
Cyclopentanol, 1-methyl-	**327**	ug/L		1	08/26/13 09:15	08/27/13 02:41	1462-03-9	N
Unknown	**131**	ug/L		1	08/26/13 09:15	08/27/13 02:41		N
Unknown	**430**	ug/L		1	08/26/13 09:15	08/27/13 02:41		N
p-Xylene	**197**	ug/L		1	08/26/13 09:15	08/27/13 02:41	106-42-3	N
Unknown	**275**	ug/L		1	08/26/13 09:15	08/27/13 02:41		N
Benzene, 1,2,3-trimethyl	**97.6**	ug/L		1	08/26/13 09:15	08/27/13 02:41	526-73-8	N
Indane	**119**	ug/L		1	08/26/13 09:15	08/27/13 02:41	496-11-7	N
6200B MSV	Analytical Method: SM 6200B							
Benzene	**320**	ug/L	2.0	4		08/28/13 07:42	71-43-2	
Bromobenzene	ND	ug/L	2.0	4		08/28/13 07:42	108-86-1	
Bromochloromethane	ND	ug/L	2.0	4		08/28/13 07:42	74-97-5	
Bromodichloromethane	ND	ug/L	2.0	4		08/28/13 07:42	75-27-4	
Bromoform	ND	ug/L	2.0	4		08/28/13 07:42	75-25-2	
Bromomethane	ND	ug/L	20.0	4		08/28/13 07:42	74-83-9	
n-Butylbenzene	ND	ug/L	2.0	4		08/28/13 07:42	104-51-8	
sec-Butylbenzene	ND	ug/L	2.0	4		08/28/13 07:42	135-98-8	
tert-Butylbenzene	ND	ug/L	2.0	4		08/28/13 07:42	98-06-6	
Carbon tetrachloride	ND	ug/L	2.0	4		08/28/13 07:42	56-23-5	
Chlorobenzene	ND	ug/L	2.0	4		08/28/13 07:42	108-90-7	
Chloroethane	ND	ug/L	4.0	4		08/28/13 07:42	75-00-3	
Chloroform	ND	ug/L	2.0	4		08/28/13 07:42	67-66-3	
Chloromethane	ND	ug/L	4.0	4		08/28/13 07:42	74-87-3	
2-Chlorotoluene	ND	ug/L	2.0	4		08/28/13 07:42	95-49-8	
4-Chlorotoluene	ND	ug/L	2.0	4		08/28/13 07:42	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	4		08/28/13 07:42	96-12-8	
Dibromochloromethane	ND	ug/L	2.0	4		08/28/13 07:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	4		08/28/13 07:42	106-93-4	
Dibromomethane	ND	ug/L	2.0	4		08/28/13 07:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.0	4		08/28/13 07:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.0	4		08/28/13 07:42	541-73-1	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrabo UST
Pace Project No.: 92169888

Sample: MW-5A **Lab ID: 92169888002** Collected: 08/23/13 11:00 Received: 08/23/13 13:52 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
1,4-Dichlorobenzene	ND	ug/L	2.0	4		08/28/13 07:42	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	4		08/28/13 07:42	75-71-8	
1,1-Dichloroethane	ND	ug/L	2.0	4		08/28/13 07:42	75-34-3	
1,2-Dichloroethane	**6.7**	ug/L	2.0	4		08/28/13 07:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	2.0	4		08/28/13 07:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	2.0	4		08/28/13 07:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2.0	4		08/28/13 07:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	2.0	4		08/28/13 07:42	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.0	4		08/28/13 07:42	142-28-9	
2,2-Dichloropropane	ND	ug/L	2.0	4		08/28/13 07:42	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.0	4		08/28/13 07:42	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	2.0	4		08/28/13 07:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	2.0	4		08/28/13 07:42	10061-02-6	
Diisopropyl ether	**3660**	ug/L	12.5	25		08/28/13 15:12	108-20-3	
Ethylbenzene	**71.4**	ug/L	2.0	4		08/28/13 07:42	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	8.0	4		08/28/13 07:42	87-68-3	
Isopropylbenzene (Cumene)	**6.9**	ug/L	2.0	4		08/28/13 07:42	98-82-8	
Methylene Chloride	**15.1**	ug/L	8.0	4		08/28/13 07:42	75-09-2	
Methyl-tert-butyl ether	**13.1**	ug/L	2.0	4		08/28/13 07:42	1634-04-4	
Naphthalene	**28.0**	ug/L	8.0	4		08/28/13 07:42	91-20-3	
n-Propylbenzene	**10.3**	ug/L	2.0	4		08/28/13 07:42	103-65-1	
Styrene	**2.6**	ug/L	2.0	4		08/28/13 07:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	4		08/28/13 07:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	4		08/28/13 07:42	79-34-5	
Tetrachloroethene	ND	ug/L	2.0	4		08/28/13 07:42	127-18-4	
Toluene	**302**	ug/L	2.0	4		08/28/13 07:42	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	8.0	4		08/28/13 07:42	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	8.0	4		08/28/13 07:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2.0	4		08/28/13 07:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2.0	4		08/28/13 07:42	79-00-5	
Trichloroethene	ND	ug/L	2.0	4		08/28/13 07:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	4.0	4		08/28/13 07:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.0	4		08/28/13 07:42	96-18-4	
1,2,4-Trimethylbenzene	**65.6**	ug/L	2.0	4		08/28/13 07:42	95-63-6	
1,3,5-Trimethylbenzene	**19.6**	ug/L	2.0	4		08/28/13 07:42	108-67-8	
Vinyl chloride	ND	ug/L	4.0	4		08/28/13 07:42	75-01-4	
m&p-Xylene	**203**	ug/L	4.0	4		08/28/13 07:42	179601-23-1	
o-Xylene	**115**	ug/L	2.0	4		08/28/13 07:42	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%	70-130	4		08/28/13 07:42	17060-07-0	
Dibromofluoromethane (S)	96	%	70-130	4		08/28/13 07:42	1868-53-7	
4-Bromofluorobenzene (S)	100	%	70-130	4		08/28/13 07:42	460-00-4	
Toluene-d8 (S)	100	%	70-130	4		08/28/13 07:42	2037-26-5	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrabo UST
Pace Project No.: 92169888

QC Batch: MSV/24071
Analysis Method: SM 6200B
QC Batch Method: SM 6200B
Analysis Description: 6200B MSV
Associated Lab Samples: 92169888001, 92169888002

METHOD BLANK: 1036411
Matrix: Water
Associated Lab Samples: 92169888001, 92169888002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	08/28/13 02:09	
1,1,1-Trichloroethane	ug/L	ND	0.50	08/28/13 02:09	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	08/28/13 02:09	
1,1,2-Trichloroethane	ug/L	ND	0.50	08/28/13 02:09	
1,1-Dichloroethane	ug/L	ND	0.50	08/28/13 02:09	
1,1-Dichloroethene	ug/L	ND	0.50	08/28/13 02:09	
1,1-Dichloropropene	ug/L	ND	0.50	08/28/13 02:09	
1,2,3-Trichlorobenzene	ug/L	ND	2.0	08/28/13 02:09	
1,2,3-Trichloropropane	ug/L	ND	0.50	08/28/13 02:09	
1,2,4-Trichlorobenzene	ug/L	ND	2.0	08/28/13 02:09	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	08/28/13 02:09	
1,2-Dibromo-3-chloropropane	ug/L	ND	1.0	08/28/13 02:09	
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	08/28/13 02:09	
1,2-Dichlorobenzene	ug/L	ND	0.50	08/28/13 02:09	
1,2-Dichloroethane	ug/L	ND	0.50	08/28/13 02:09	
1,2-Dichloropropane	ug/L	ND	0.50	08/28/13 02:09	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	08/28/13 02:09	
1,3-Dichlorobenzene	ug/L	ND	0.50	08/28/13 02:09	
1,3-Dichloropropane	ug/L	ND	0.50	08/28/13 02:09	
1,4-Dichlorobenzene	ug/L	ND	0.50	08/28/13 02:09	
2,2-Dichloropropane	ug/L	ND	0.50	08/28/13 02:09	
2-Chlorotoluene	ug/L	ND	0.50	08/28/13 02:09	
4-Chlorotoluene	ug/L	ND	0.50	08/28/13 02:09	
Benzene	ug/L	ND	0.50	08/28/13 02:09	
Bromobenzene	ug/L	ND	0.50	08/28/13 02:09	
Bromochloromethane	ug/L	ND	0.50	08/28/13 02:09	
Bromodichloromethane	ug/L	ND	0.50	08/28/13 02:09	
Bromoform	ug/L	ND	0.50	08/28/13 02:09	
Bromomethane	ug/L	ND	5.0	08/28/13 02:09	
Carbon tetrachloride	ug/L	ND	0.50	08/28/13 02:09	
Chlorobenzene	ug/L	ND	0.50	08/28/13 02:09	
Chloroethane	ug/L	ND	1.0	08/28/13 02:09	
Chloroform	ug/L	ND	0.50	08/28/13 02:09	
Chloromethane	ug/L	ND	1.0	08/28/13 02:09	
cis-1,2-Dichloroethene	ug/L	ND	0.50	08/28/13 02:09	
cis-1,3-Dichloropropene	ug/L	ND	0.50	08/28/13 02:09	
Dibromochloromethane	ug/L	ND	0.50	08/28/13 02:09	
Dibromomethane	ug/L	ND	0.50	08/28/13 02:09	
Dichlorodifluoromethane	ug/L	ND	0.50	08/28/13 02:09	
Diisopropyl ether	ug/L	ND	0.50	08/28/13 02:09	
Ethylbenzene	ug/L	ND	0.50	08/28/13 02:09	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	08/28/13 02:09	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	08/28/13 02:09	

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

Pace Analytical
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrabo UST
Pace Project No.: 92169888

METHOD BLANK: 1036411 Matrix: Water

Associated Lab Samples: 92169888001, 92169888002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/L	ND	1.0	08/28/13 02:09	
Methyl-tert-butyl ether	ug/L	ND	0.50	08/28/13 02:09	
Methylene Chloride	ug/L	ND	2.0	08/28/13 02:09	
n-Butylbenzene	ug/L	ND	0.50	08/28/13 02:09	
n-Propylbenzene	ug/L	ND	0.50	08/28/13 02:09	
Naphthalene	ug/L	ND	2.0	08/28/13 02:09	
o-Xylene	ug/L	ND	0.50	08/28/13 02:09	
sec-Butylbenzene	ug/L	ND	0.50	08/28/13 02:09	
Styrene	ug/L	ND	0.50	08/28/13 02:09	
tert-Butylbenzene	ug/L	ND	0.50	08/28/13 02:09	
Tetrachloroethene	ug/L	ND	0.50	08/28/13 02:09	
Toluene	ug/L	ND	0.50	08/28/13 02:09	
trans-1,2-Dichloroethene	ug/L	ND	0.50	08/28/13 02:09	
trans-1,3-Dichloropropene	ug/L	ND	0.50	08/28/13 02:09	
Trichloroethene	ug/L	ND	0.50	08/28/13 02:09	
Trichlorofluoromethane	ug/L	ND	1.0	08/28/13 02:09	
Vinyl chloride	ug/L	ND	1.0	08/28/13 02:09	
1,2-Dichloroethane-d4 (S)	%	97	70-130	08/28/13 02:09	
4-Bromofluorobenzene (S)	%	93	70-130	08/28/13 02:09	
Dibromofluoromethane (S)	%	98	70-130	08/28/13 02:09	
Toluene-d8 (S)	%	97	70-130	08/28/13 02:09	

LABORATORY CONTROL SAMPLE: 1036412

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	57.7	115	60-140	
1,1,1-Trichloroethane	ug/L	50	53.9	108	60-140	
1,1,2,2-Tetrachloroethane	ug/L	50	57.7	115	60-140	
1,1,2-Trichloroethane	ug/L	50	58.1	116	60-140	
1,1-Dichloroethane	ug/L	50	52.7	105	60-140	
1,1-Dichloroethene	ug/L	50	53.7	107	60-140	
1,1-Dichloropropene	ug/L	50	51.8	104	60-140	
1,2,3-Trichlorobenzene	ug/L	50	57.9	116	60-140	
1,2,3-Trichloropropane	ug/L	50	52.3	105	60-140	
1,2,4-Trichlorobenzene	ug/L	50	58.5	117	60-140	
1,2,4-Trimethylbenzene	ug/L	50	56.7	113	60-140	
1,2-Dibromo-3-chloropropane	ug/L	50	67.1	134	60-140	
1,2-Dibromoethane (EDB)	ug/L	50	55.9	112	60-140	
1,2-Dichlorobenzene	ug/L	50	58.5	117	60-140	
1,2-Dichloroethane	ug/L	50	51.0	102	60-140	
1,2-Dichloropropane	ug/L	50	51.3	103	60-140	
1,3,5-Trimethylbenzene	ug/L	50	54.7	109	60-140	
1,3-Dichlorobenzene	ug/L	50	58.1	116	60-140	
1,3-Dichloropropane	ug/L	50	52.3	105	60-140	
1,4-Dichlorobenzene	ug/L	50	57.3	115	60-140	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrabo UST
Pace Project No.: 92169888

LABORATORY CONTROL SAMPLE: 1036412

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	50	50.1	100	60-140	
2-Chlorotoluene	ug/L	50	58.0	116	60-140	
4-Chlorotoluene	ug/L	50	59.6	119	60-140	
Benzene	ug/L	50	56.3	113	60-140	
Bromobenzene	ug/L	50	55.3	111	60-140	
Bromochloromethane	ug/L	50	55.7	111	60-140	
Bromodichloromethane	ug/L	50	59.2	118	60-140	
Bromoform	ug/L	50	49.4	99	60-140	
Bromomethane	ug/L	50	49.2	98	60-140	
Carbon tetrachloride	ug/L	50	55.2	110	60-140	
Chlorobenzene	ug/L	50	53.4	107	60-140	
Chloroethane	ug/L	50	50.8	102	60-140	
Chloroform	ug/L	50	52.4	105	60-140	
Chloromethane	ug/L	50	57.9	116	60-140	
cis-1,2-Dichloroethene	ug/L	50	52.8	106	60-140	
cis-1,3-Dichloropropene	ug/L	50	45.7	91	60-140	
Dibromochloromethane	ug/L	50	49.0	98	60-140	
Dibromomethane	ug/L	50	55.1	110	60-140	
Dichlorodifluoromethane	ug/L	50	59.2	118	60-140	
Diisopropyl ether	ug/L	50	54.3	109	60-140	
Ethylbenzene	ug/L	50	55.4	111	60-140	
Hexachloro-1,3-butadiene	ug/L	50	53.5	107	60-140	
Isopropylbenzene (Cumene)	ug/L	50	60.9	122	60-140	
m&p-Xylene	ug/L	100	114	114	60-140	
Methyl-tert-butyl ether	ug/L	50	54.5	109	60-140	
Methylene Chloride	ug/L	50	52.0	104	60-140	
n-Butylbenzene	ug/L	50	54.9	110	60-140	
n-Propylbenzene	ug/L	50	59.1	118	60-140	
Naphthalene	ug/L	50	59.9	120	60-140	
o-Xylene	ug/L	50	59.1	118	60-140	
sec-Butylbenzene	ug/L	50	61.4	123	60-140	
Styrene	ug/L	50	52.8	106	60-140	
tert-Butylbenzene	ug/L	50	59.4	119	60-140	
Tetrachloroethene	ug/L	50	54.3	109	60-140	
Toluene	ug/L	50	56.5	113	60-140	
trans-1,2-Dichloroethene	ug/L	50	52.1	104	60-140	
trans-1,3-Dichloropropene	ug/L	50	47.0	94	60-140	
Trichloroethene	ug/L	50	56.6	113	60-140	
Trichlorofluoromethane	ug/L	50	50.5	101	60-140	
Vinyl chloride	ug/L	50	43.3	87	60-140	
1,2-Dichloroethane-d4 (S)	%			93	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			101	70-130	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrabo UST
Pace Project No.: 92169888

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1036416 1036417

Parameter	Units	92169149020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	25.5	27.0	128	135	60-140	5	
1,1,1-Trichloroethane	ug/L	ND	20	20	26.3	27.5	132	138	60-140	5	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	25.2	26.0	126	130	60-140	3	
1,1,2-Trichloroethane	ug/L	ND	20	20	26.4	26.4	132	132	60-140	0	
1,1-Dichloroethane	ug/L	ND	20	20	25.5	26.3	128	132	60-140	3	
1,1-Dichloroethene	ug/L	ND	20	20	27.2	28.4	136	142	60-140	4	M1
1,1-Dichloropropene	ug/L	ND	20	20	25.8	26.5	129	133	60-140	3	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	25.8	26.0	129	130	60-140	0	
1,2,3-Trichloropropane	ug/L	ND	20	20	23.1	24.1	116	120	60-140	4	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	25.0	26.0	125	130	60-140	4	
1,2,4-Trimethylbenzene	ug/L	ND	20	20	25.8	26.4	129	132	60-140	2	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	26.4	27.4	132	137	60-140	4	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	25.5	25.7	128	128	60-140	1	
1,2-Dichlorobenzene	ug/L	ND	20	20	26.5	27.2	133	136	60-140	3	
1,2-Dichloroethane	ug/L	ND	20	20	23.8	24.8	119	124	60-140	4	
1,2-Dichloropropane	ug/L	ND	20	20	22.8	23.7	114	118	60-140	4	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	25.7	26.1	129	130	60-140	1	
1,3-Dichlorobenzene	ug/L	ND	20	20	26.4	27.2	132	136	60-140	3	
1,3-Dichloropropane	ug/L	ND	20	20	23.0	23.8	115	119	60-140	4	
1,4-Dichlorobenzene	ug/L	ND	20	20	25.9	26.5	129	133	60-140	3	
2,2-Dichloropropane	ug/L	ND	20	20	21.6	22.3	108	112	60-140	3	
2-Chlorotoluene	ug/L	ND	20	20	26.7	27.8	133	139	60-140	4	
4-Chlorotoluene	ug/L	ND	20	20	27.7	28.0	138	140	60-140	1	
Benzene	ug/L	ND	20	20	26.2	27.0	131	135	60-140	3	
Bromobenzene	ug/L	ND	20	20	24.9	25.0	124	125	60-140	0	
Bromochloromethane	ug/L	ND	20	20	25.9	26.6	130	133	60-140	2	
Bromodichloromethane	ug/L	ND	20	20	25.6	26.6	128	133	60-140	4	
Bromoform	ug/L	ND	20	20	20.7	21.6	103	108	60-140	4	
Bromomethane	ug/L	ND	20	20	22.9	24.1	115	120	60-140	5	
Carbon tetrachloride	ug/L	ND	20	20	26.1	27.3	131	137	60-140	4	
Chlorobenzene	ug/L	ND	20	20	25.8	26.2	129	131	60-140	2	
Chloroethane	ug/L	ND	20	20	26.3	26.0	132	130	60-140	1	
Chloroform	ug/L	ND	20	20	25.1	26.7	126	133	60-140	6	
Chloromethane	ug/L	ND	20	20	24.3	24.3	120	120	60-140	0	
cis-1,2-Dichloroethene	ug/L	ND	20	20	25.1	25.8	125	129	60-140	3	
cis-1,3-Dichloropropene	ug/L	ND	20	20	19.5	20.7	97	103	60-140	6	
Dibromochloromethane	ug/L	ND	20	20	21.1	21.4	106	107	60-140	1	
Dibromomethane	ug/L	ND	20	20	24.3	24.7	122	124	60-140	2	
Dichlorodifluoromethane	ug/L	ND	20	20	31.5	32.6	157	163	60-140	3	M1
Diisopropyl ether	ug/L	ND	20	20	25.8	26.2	129	131	60-140	1	
Ethylbenzene	ug/L	ND	20	20	26.5	27.0	133	135	60-140	2	
Hexachloro-1,3-butadiene	ug/L	ND	20	20	25.2	26.0	126	130	60-140	3	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	28.9	29.6	145	148	60-140	2	M1
m&p-Xylene	ug/L	ND	40	40	51.9	53.6	130	134	60-140	3	
Methyl-tert-butyl ether	ug/L	ND	20	20	24.5	25.4	120	124	60-140	3	
Methylene Chloride	ug/L	ND	20	20	19.3	19.5	96	98	60-140	1	
n-Butylbenzene	ug/L	ND	20	20	25.5	25.8	128	129	60-140	1	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrabo UST
Pace Project No.: 92169888

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1036416 1036417

Parameter	Units	92169149020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
n-Propylbenzene	ug/L	ND	20	20	27.7	28.2	139	141	60-140	2	M1
Naphthalene	ug/L	ND	20	20	25.5	25.9	127	129	60-140	2	
o-Xylene	ug/L	ND	20	20	27.3	28.1	137	141	60-140	3	M1
sec-Butylbenzene	ug/L	ND	20	20	29.0	29.8	145	149	60-140	3	M1
Styrene	ug/L	ND	20	20	23.3	24.0	116	120	60-140	3	
tert-Butylbenzene	ug/L	ND	20	20	28.2	28.7	141	143	60-140	2	M1
Tetrachloroethene	ug/L	ND	20	20	27.2	27.8	136	139	60-140	2	
Toluene	ug/L	ND	20	20	26.2	26.8	131	134	60-140	2	
trans-1,2-Dichloroethene	ug/L	ND	20	20	25.0	25.9	125	129	60-140	3	
trans-1,3-Dichloropropene	ug/L	ND	20	20	20.1	20.1	100	100	60-140	0	
Trichloroethene	ug/L	ND	20	20	26.9	27.8	134	139	60-140	3	
Trichlorofluoromethane	ug/L	ND	20	20	28.1	28.9	141	145	60-140	3	M1
Vinyl chloride	ug/L	ND	20	20	21.4	22.0	107	110	60-140	3	
1,2-Dichloroethane-d4 (S)	%						96	97	70-130		
4-Bromofluorobenzene (S)	%						101	102	70-130		
Dibromofluoromethane (S)	%						99	100	70-130		
Toluene-d8 (S)	%						99	99	70-130		

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

Pace Analytical
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrabo UST
Pace Project No.: 92169888

QC Batch: OEXT/23600
QC Batch Method: EPA 625
Analysis Method: EPA 625
Analysis Description: 625 MSS
Associated Lab Samples: 92169888001, 92169888002

METHOD BLANK: 1035451
Matrix: Water
Associated Lab Samples: 92169888001, 92169888002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	08/27/13 01:14	
2,4,6-Trichlorophenol	ug/L	ND	10.0	08/27/13 01:14	
2,4-Dichlorophenol	ug/L	ND	5.0	08/27/13 01:14	
2,4-Dimethylphenol	ug/L	ND	10.0	08/27/13 01:14	
2,4-Dinitrophenol	ug/L	ND	50.0	08/27/13 01:14	
2,4-Dinitrotoluene	ug/L	ND	5.0	08/27/13 01:14	
2,6-Dinitrotoluene	ug/L	ND	5.0	08/27/13 01:14	
2-Chloronaphthalene	ug/L	ND	5.0	08/27/13 01:14	
2-Chlorophenol	ug/L	ND	5.0	08/27/13 01:14	
2-Nitrophenol	ug/L	ND	5.0	08/27/13 01:14	
3,3'-Dichlorobenzidine	ug/L	ND	25.0	08/27/13 01:14	
4,6-Dinitro-2-methylphenol	ug/L	ND	20.0	08/27/13 01:14	
4-Bromophenylphenyl ether	ug/L	ND	5.0	08/27/13 01:14	
4-Chloro-3-methylphenol	ug/L	ND	5.0	08/27/13 01:14	
4-Chlorophenylphenyl ether	ug/L	ND	5.0	08/27/13 01:14	
4-Nitrophenol	ug/L	ND	50.0	08/27/13 01:14	
Acenaphthene	ug/L	ND	5.0	08/27/13 01:14	
Acenaphthylene	ug/L	ND	5.0	08/27/13 01:14	
Anthracene	ug/L	ND	5.0	08/27/13 01:14	
Benzo(a)anthracene	ug/L	ND	5.0	08/27/13 01:14	
Benzo(a)pyrene	ug/L	ND	5.0	08/27/13 01:14	
Benzo(b)fluoranthene	ug/L	ND	5.0	08/27/13 01:14	
Benzo(g,h,i)perylene	ug/L	ND	5.0	08/27/13 01:14	
Benzo(k)fluoranthene	ug/L	ND	5.0	08/27/13 01:14	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	08/27/13 01:14	
bis(2-Chloroethyl) ether	ug/L	ND	5.0	08/27/13 01:14	
bis(2-Chloroisopropyl) ether	ug/L	ND	5.0	08/27/13 01:14	
bis(2-Ethylhexyl)phthalate	ug/L	ND	5.0	08/27/13 01:14	
Butylbenzylphthalate	ug/L	ND	5.0	08/27/13 01:14	
Chrysene	ug/L	ND	5.0	08/27/13 01:14	
Di-n-butylphthalate	ug/L	ND	5.0	08/27/13 01:14	
Di-n-octylphthalate	ug/L	ND	5.0	08/27/13 01:14	
Dibenz(a,h)anthracene	ug/L	ND	5.0	08/27/13 01:14	
Diethylphthalate	ug/L	ND	5.0	08/27/13 01:14	
Dimethylphthalate	ug/L	ND	5.0	08/27/13 01:14	
Fluoranthene	ug/L	ND	5.0	08/27/13 01:14	
Fluorene	ug/L	ND	5.0	08/27/13 01:14	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/27/13 01:14	
Hexachlorobenzene	ug/L	ND	5.0	08/27/13 01:14	
Hexachlorocyclopentadiene	ug/L	ND	10.0	08/27/13 01:14	
Hexachloroethane	ug/L	ND	5.0	08/27/13 01:14	
Indeno(1,2,3-cd)pyrene	ug/L	ND	5.0	08/27/13 01:14	
Isophorone	ug/L	ND	10.0	08/27/13 01:14	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrabo UST
Pace Project No.: 92169888

METHOD BLANK: 1035451 Matrix: Water

Associated Lab Samples: 92169888001, 92169888002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
N-Nitroso-di-n-propylamine	ug/L	ND	5.0	08/27/13 01:14	
N-Nitrosodimethylamine	ug/L	ND	5.0	08/27/13 01:14	
N-Nitrosodiphenylamine	ug/L	ND	10.0	08/27/13 01:14	
Naphthalene	ug/L	ND	5.0	08/27/13 01:14	
Nitrobenzene	ug/L	ND	5.0	08/27/13 01:14	
Pentachlorophenol	ug/L	ND	25.0	08/27/13 01:14	
Phenanthrene	ug/L	ND	5.0	08/27/13 01:14	
Phenol	ug/L	ND	5.0	08/27/13 01:14	
Pyrene	ug/L	ND	5.0	08/27/13 01:14	
2,4,6-Tribromophenol (S)	%	83	10-137	08/27/13 01:14	
2-Fluorobiphenyl (S)	%	73	15-120	08/27/13 01:14	
2-Fluorophenol (S)	%	41	10-120	08/27/13 01:14	
Nitrobenzene-d5 (S)	%	74	10-120	08/27/13 01:14	
Phenol-d6 (S)	%	30	10-120	08/27/13 01:14	
Terphenyl-d14 (S)	%	71	11-131	08/27/13 01:14	

LABORATORY CONTROL SAMPLE: 1035452

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	38.3	77	44-142	
2,4,6-Trichlorophenol	ug/L	50	38.8	78	37-144	
2,4-Dichlorophenol	ug/L	50	37.8	76	1-191	
2,4-Dimethylphenol	ug/L	50	39.9	80	32-119	
2,4-Dinitrophenol	ug/L	250	172	69	1-181	
2,4-Dinitrotoluene	ug/L	50	44.5	89	39-139	
2,6-Dinitrotoluene	ug/L	50	44.3	89	50-158	
2-Chloronaphthalene	ug/L	50	39.3	79	60-118	
2-Chlorophenol	ug/L	50	35.4	71	23-134	
2-Nitrophenol	ug/L	50	40.9	82	29-182	
3,3'-Dichlorobenzidine	ug/L	100	89.8	90	1-262	
4,6-Dinitro-2-methylphenol	ug/L	100	87.0	87	1-181	
4-Bromophenylphenyl ether	ug/L	50	35.3	71	53-127	
4-Chloro-3-methylphenol	ug/L	100	73.0	73	22-147	
4-Chlorophenylphenyl ether	ug/L	50	33.5	67	25-158	
4-Nitrophenol	ug/L	250	79.7	32	1-132	
Acenaphthene	ug/L	50	38.8	78	47-145	
Acenaphthylene	ug/L	50	39.0	78	33-145	
Anthracene	ug/L	50	42.9	86	1-166	
Benzo(a)anthracene	ug/L	50	41.7	83	33-143	
Benzo(a)pyrene	ug/L	50	42.3	85	17-163	
Benzo(b)fluoranthene	ug/L	50	39.1	78	24-159	
Benzo(g,h,i)perylene	ug/L	50	40.6	81	1-219	
Benzo(k)fluoranthene	ug/L	50	41.0	82	11-162	
bis(2-Chloroethoxy)methane	ug/L	50	30.8	62	33-184	
bis(2-Chloroethyl) ether	ug/L	50	34.2	68	12-158	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrabo UST
Pace Project No.: 92169888

LABORATORY CONTROL SAMPLE: 1035452

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
bis(2-Chloroisopropyl) ether	ug/L	50	26.0	52	36-166	
bis(2-Ethylhexyl)phthalate	ug/L	50	49.8	100	8-158	
Butylbenzylphthalate	ug/L	50	48.0	96	1-152	
Chrysene	ug/L	50	43.1	86	17-168	
Di-n-butylphthalate	ug/L	50	46.6	93	1-118	
Di-n-octylphthalate	ug/L	50	52.6	105	4-146	
Dibenz(a,h)anthracene	ug/L	50	41.7	83	1-227	
Diethylphthalate	ug/L	50	41.9	84	1-114	
Dimethylphthalate	ug/L	50	42.2	84	1-112	
Fluoranthene	ug/L	50	43.0	86	26-137	
Fluorene	ug/L	50	40.9	82	59-121	
Hexachloro-1,3-butadiene	ug/L	50	37.0	74	24-116	
Hexachlorobenzene	ug/L	50	44.2	88	1-152	
Hexachlorocyclopentadiene	ug/L	50	49.4	99	25-150	
Hexachloroethane	ug/L	50	36.2	72	40-113	
Indeno(1,2,3-cd)pyrene	ug/L	50	41.8	84	1-171	
Isophorone	ug/L	50	41.5	83	21-196	
N-Nitroso-di-n-propylamine	ug/L	50	35.6	71	1-230	
N-Nitrosodimethylamine	ug/L	50	23.4	47	25-150	
N-Nitrosodiphenylamine	ug/L	50	36.1	72	25-150	
Naphthalene	ug/L	50	36.1	72	21-133	
Nitrobenzene	ug/L	50	39.6	79	35-180	
Pentachlorophenol	ug/L	100	71.9	72	14-176	
Phenanthrene	ug/L	50	41.7	83	54-120	
Phenol	ug/L	50	18.8	38	5-112	
Pyrene	ug/L	50	42.2	84	52-115	
2,4,6-Tribromophenol (S)	%			88	10-137	
2-Fluorobiphenyl (S)	%			83	15-120	
2-Fluorophenol (S)	%			49	10-120	
Nitrobenzene-d5 (S)	%			81	10-120	
Phenol-d6 (S)	%			36	10-120	
Terphenyl-d14 (S)	%			79	11-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1035453 1035454

Parameter	Units	92169903001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2,4-Trichlorobenzene	ug/L	ND	100	100	81.8	76.9	82	77	44-142	6	
2,4,6-Trichlorophenol	ug/L	ND	100	100	71.2	24.7	71	25	37-144	97	M1,R1
2,4-Dichlorophenol	ug/L	ND	100	100	76.8	54.5	77	55	1-191	34	R1
2,4-Dimethylphenol	ug/L	ND	100	100	71.5	51.2	71	51	32-119	33	R1
2,4-Dinitrophenol	ug/L	ND	500	500	377	36.5J	75	7	1-181		
2,4-Dinitrotoluene	ug/L	ND	100	100	94.1	77.1	94	77	39-139	20	
2,6-Dinitrotoluene	ug/L	ND	100	100	84.4	78.4	84	78	50-158	7	
2-Chloronaphthalene	ug/L	ND	100	100	76.9	73.6	77	74	60-118	4	
2-Chlorophenol	ug/L	ND	100	100	70.7	57.7	71	58	23-134	20	
2-Nitrophenol	ug/L	ND	100	100	81.3	48.0	81	48	29-182	52	R1

REPORT OF LABORATORY ANALYSIS

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrabo UST
Pace Project No.: 92169888

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1035453 1035454

Parameter	Units	92169903001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
3,3'-Dichlorobenzidine	ug/L	ND	200	200	112	145	56	73	1-262	26	
4,6-Dinitro-2-methylphenol	ug/L	ND	200	200	163	32.7J	82	16	1-181		
4-Bromophenylphenyl ether	ug/L	ND	100	100	71.5	68.4	72	68	53-127	4	
4-Chloro-3-methylphenol	ug/L	ND	200	200	159	144	80	72	22-147	10	
4-Chlorophenylphenyl ether	ug/L	ND	100	100	70.7	69.1	71	69	25-158	2	
4-Nitrophenol	ug/L	ND	500	500	244	63.1J	49	13	1-132		
Acenaphthene	ug/L	ND	100	100	79.3	75.6	79	76	47-145	5	
Acenaphthylene	ug/L	ND	100	100	77.4	75.3	77	75	33-145	3	
Anthracene	ug/L	ND	100	100	86.8	83.9	87	84	1-166	3	
Benzo(a)anthracene	ug/L	ND	100	100	80.2	78.4	80	78	33-143	2	
Benzo(a)pyrene	ug/L	ND	100	100	84.8	81.5	85	81	17-163	4	IR
Benzo(b)fluoranthene	ug/L	ND	100	100	83.2	79.6	83	80	24-159	4	IR
Benzo(g,h,i)perylene	ug/L	ND	100	100	79.0	77.9	79	78	1-219	1	IR
Benzo(k)fluoranthene	ug/L	ND	100	100	72.1	75.7	72	76	11-162	5	IR
bis(2-Chloroethoxy)methane	ug/L	ND	100	100	57.8	53.0	58	53	33-184	9	
bis(2-Chloroethyl) ether	ug/L	ND	100	100	61.1	55.8	61	56	12-158	9	
bis(2-Chloroisopropyl) ether	ug/L	ND	100	100	50.2	46.7	50	47	36-166	7	
bis(2-Ethylhexyl)phthalate	ug/L	ND	100	100	80.4	85.9	80	86	8-158	7	
Butylbenzylphthalate	ug/L	ND	100	100	77.3	74.6	77	75	1-152	4	
Chrysene	ug/L	ND	100	100	84.8	80.8	85	81	17-168	5	
Di-n-butylphthalate	ug/L	ND	100	100	126	102	126	102	1-118	21	M1
Di-n-octylphthalate	ug/L	ND	100	100	65.8	100	66	100	4-146	41	R1
Dibenz(a,h)anthracene	ug/L	ND	100	100	80.7	81.3	81	81	1-227	1	IR
Diethylphthalate	ug/L	ND	100	100	84.4	81.5	84	82	1-114	3	
Dimethylphthalate	ug/L	ND	100	100	79.4	75.6	79	76	1-112	5	
Fluoranthene	ug/L	ND	100	100	90.7	90.4	91	90	26-137	0	
Fluorene	ug/L	ND	100	100	84.7	83.0	85	83	59-121	2	
Hexachloro-1,3-butadiene	ug/L	ND	100	100	85.4	79.8	85	80	24-116	7	
Hexachlorobenzene	ug/L	ND	100	100	91.5	86.9	91	87	1-152	5	
Hexachlorocyclopentadiene	ug/L	ND	100	100	98.2	70.6	98	71	25-150	33	R1
Hexachloroethane	ug/L	ND	100	100	77.1	72.4	77	72	40-113	6	
Indeno(1,2,3-cd)pyrene	ug/L	ND	100	100	81.9	81.3	82	81	1-171	1	IR
Isophorone	ug/L	ND	100	100	77.4	70.1	77	70	21-196	10	
N-Nitroso-di-n-propylamine	ug/L	ND	100	100	68.6	65.5	69	65	1-230	5	
N-Nitrosodimethylamine	ug/L	ND	100	100	54.2	49.1	54	49	25-150	10	
N-Nitrosodiphenylamine	ug/L	24.2	100	100	92.3	86.1	68	62	25-150	7	
Naphthalene	ug/L	ND	100	100	77.3	71.3	77	71	21-133	8	
Nitrobenzene	ug/L	ND	100	100	79.4	71.0	79	71	35-180	11	
Pentachlorophenol	ug/L	ND	200	200	148	23.9J	74	12	14-176		M1,R1
Phenanthrene	ug/L	ND	100	100	85.3	80.6	85	81	54-120	6	
Phenol	ug/L	ND	100	100	51.8	49.4	52	49	5-112	5	
Pyrene	ug/L	ND	100	100	84.3	72.6	84	73	52-115	15	
2,4,6-Tribromophenol (S)	%						85	35	10-137		
2-Fluorobiphenyl (S)	%						74	68	15-120		
2-Fluorophenol (S)	%						54	37	10-120		
Nitrobenzene-d5 (S)	%						73	64	10-120		
Phenol-d6 (S)	%						51	44	10-120		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrabo UST
Pace Project No.: 92169888

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1035453 1035454

Parameter	Units	92169903001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Terphenyl-d14 (S)	%						86	72	11-131		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: Carrabo UST
Pace Project No.: 92169888

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.

PRL - Pace Reporting Limit.

RL - Reporting 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.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

TNI - The NELAC Institute.

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

IR	The internal standard recovery associated with this result exceeds the upper control limit. The reported result should be considered an estimated value.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N	Tentatively identified compound (TIC) based on mass spectral library search
R1	RPD value was outside control limits.

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Carrabo UST
Pace Project No.: 92169888

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92169888001	**MW-1A**	EPA 625	OEXT/23600	EPA 625	MSSV/8125
92169888002	**MW-5A**	EPA 625	OEXT/23600	EPA 625	MSSV/8125
92169888001	**MW-1A**	SM 6200B	MSV/24071		
92169888002	**MW-5A**	SM 6200B	MSV/24071		

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

Pace Analytical	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: June 12, 2013 Page 1 of 2
	Document Number: **F-CHR-CS-03-rev.11**	Issuing Authority: Pace Huntersville Quality Office

Client Name: Pyramid

Where Received: ☑ Huntersville ☐ Asheville ☐ Eden ☐ Raleigh

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other_____

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

Optional
Proj. Due Date:
Proj. Name:

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other_____

Thermometer Used: IR Gun T1102 T1301 (circled) **Type of Ice:** Wet (circled) Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor **T1102**: No Correction **T1301**: No Correction

Corrected Cooler Temp.: 2.8 **C** **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C

Date and Initials of person examining contents: TM 8/23

Comments:

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: VG **Date:** 8/23/13

SRF Review: VG **Date:** 8/26/13

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)

WO#: 92169888

92169888

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1707338

Section A Required Client Information:

Company: Pyramid Enviro
Address: 503 Industrial
GSBO, NC 27406
Email To:
Phone: (336) 335-3174 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Pyramid
Copy To:
Purchase Order No.:
Project Name: Carrboro UST
Project Number: 2013-161

Section C Invoice Information:

Attention: Mike Jones
Company Name: Pyramid
Address:
Pace Quote Reference:
Pace Project Manager: Kevin Godwin
Pace Profile #: 2982-2

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☑ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: NC

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start Date	COLLECTED Composite Start Time	COLLECTED Composite End/Grab Date	COLLECTED Composite End/Grab Time	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) 6200B	625 + TICs	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-1A	WT	G	8/23/13		10:50			6	2			4					X	X		W1
2	MW-5A	WT	G	8/23/13		11:00			6	2			4					X	X		W2
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Requested Analysis Filtered (Y/N)

TRUST FUND RATES

9216958888

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Alan McFadden	8/23/13	1215	[signature]	8-23-13	12:17				
	[signature] pace dk	8-23-13	1352	Jmoore Pace	8.23	1352	28	y	n	y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: ALAN MCFADDEN

SIGNATURE of SAMPLER: Alan McFadden DATE Signed (MM/DD/YY): 8/23/13

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.

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

September 04, 2013

Mr. Mike Jones
Pyramid Environmental
P.O. Box 16265
503 Industrial Avenue
Greensboro, NC 27416

RE: Project: Carrboro UST 2013-161
Pace Project No.: 92170624

Dear Mr. Jones:
Enclosed are the analytical results for sample(s) received by the laboratory on August 30, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted 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 Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

Asheville Certification IDs
2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
West Virginia Certification #: 356
Virginia/VELAP Certification #: 460222

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92170624001	**MW-1A**	EPA 504.1	EJK	2	PASI-C
		MADEP EPH	EJK	7	PASI-C
		MADEP VPH	GAW	5	PASI-C
		EPA 200.7	JMW	1	PASI-A
		EPA 625	BPJ	68	PASI-C
		SM 6200B	CAH	64	PASI-C
92170624002	**MW-3**	EPA 504.1	EJK	2	PASI-C
		MADEP EPH	EJK	7	PASI-C
		MADEP VPH	GAW	5	PASI-C
		EPA 200.7	JMW	1	PASI-A
		EPA 625	BPJ	63	PASI-C
		SM 6200B	CAH	64	PASI-C
92170624003	**MW-5A**	EPA 504.1	EJK	2	PASI-C
		MADEP EPH	EJK	7	PASI-C
		MADEP VPH	GAW	5	PASI-C
		EPA 200.7	JMW	1	PASI-A
		EPA 625	BPJ	68	PASI-C
		SM 6200B	CAH	64	PASI-C
92170624004	**MW-6**	EPA 504.1	EJK	2	PASI-C
		MADEP EPH	EJK	7	PASI-C
		MADEP VPH	GAW	5	PASI-C
		EPA 200.7	JMW	1	PASI-A
		EPA 625	BPJ	62	PASI-C
		SM 6200B	CAH	64	PASI-C
92170624005	**Trip Blank**	SM 6200B	CAH	64	PASI-C

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

Sample: MW-1A **Lab ID: 92170624001** Collected: 08/29/13 15:00 Received: 08/30/13 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
504 GCS EDB and DBCP	Analytical Method: EPA 504.1 Preparation Method: EPA 504.1							
1,2-Dibromoethane (EDB)	**59.6**	ug/L	1.9	100	08/31/13 13:42	09/02/13 04:11	106-93-4	
Surrogates								
1-Chloro-2-bromopropane (S)	0	%	70-130	100	08/31/13 13:42	09/02/13 04:11	301-79-56	S4
MADEP EPH NC Water	Analytical Method: MADEP EPH Preparation Method: MADEP EPH							
Aliphatic (C09-C18)	ND	ug/L	100	1	09/03/13 14:00	09/04/13 12:35		N2
Aliphatic (C19-C36)	ND	ug/L	100	1	09/03/13 14:00	09/04/13 12:35		N2
Aromatic (C11-C22)	**501**	ug/L	100	1	09/03/13 14:00	09/04/13 12:35		N2
Surrogates								
Nonatriacontane (S)	42	%	40-140	1	09/03/13 14:00	09/04/13 12:35	7194-86-7	
o-Terphenyl (S)	64	%	40-140	1	09/03/13 14:00	09/04/13 12:35	84-15-1	
2-Fluorobiphenyl (S)	84	%	40-140	1	09/03/13 14:00	09/04/13 12:35	321-60-8	
2-Bromonaphthalene (S)	108	%	40-140	1	09/03/13 14:00	09/04/13 12:35	580-13-2	
VPH NC Water	Analytical Method: MADEP VPH							
Aliphatic (C05-C08)	**22800**	ug/L	2500	50		09/03/13 14:47		N2
Aliphatic (C09-C12)	**9600**	ug/L	2500	50		09/03/13 14:47		N2
Aromatic (C09-C10)	ND	ug/L	2500	50		09/03/13 14:47		N2
Surrogates								
4-Bromofluorobenzene (FID) (S)	104	%	70-130	50		09/03/13 14:47	460-00-4	
4-Bromofluorobenzene (PID) (S)	105	%	70-130	50		09/03/13 14:47	460-00-4	
200.7 MET ICP, 3030C	Analytical Method: EPA 200.7 Preparation Method: SM 3030C							
Lead	**33.6**	ug/L	5.0	1	08/31/13 08:35	09/04/13 12:15	7439-92-1	
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
Acenaphthene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	83-32-9	
Acenaphthylene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	208-96-8	
Anthracene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	120-12-7	
Benzo(a)anthracene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	207-08-9	
4-Bromophenylphenyl ether	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	101-55-3	
Butylbenzylphthalate	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	59-50-7	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	09/03/13 10:00	09/03/13 23:00	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	108-60-1	
2-Chloronaphthalene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	91-58-7	
2-Chlorophenol	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	7005-72-3	
Chrysene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	53-70-3	
3,3'-Dichlorobenzidine	ND	ug/L	25.0	1	09/03/13 10:00	09/03/13 23:00	91-94-1	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

Sample: MW-1A **Lab ID: 92170624001** Collected: 08/29/13 15:00 Received: 08/30/13 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
2,4-Dichlorophenol	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	120-83-2	
Diethylphthalate	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	84-66-2	
2,4-Dimethylphenol	**81.3**	ug/L	50.0	5	09/03/13 10:00	09/04/13 08:47	105-67-9	
Dimethylphthalate	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	131-11-3	
Di-n-butylphthalate	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	09/03/13 10:00	09/03/13 23:00	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	1	09/03/13 10:00	09/03/13 23:00	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	606-20-2	
Di-n-octylphthalate	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	117-81-7	
Fluoranthene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	206-44-0	
Fluorene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	87-68-3	
Hexachlorobenzene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	09/03/13 10:00	09/03/13 23:00	77-47-4	
Hexachloroethane	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	193-39-5	
Isophorone	ND	ug/L	10.0	1	09/03/13 10:00	09/03/13 23:00	78-59-1	
Naphthalene	**202**	ug/L	25.0	5	09/03/13 10:00	09/04/13 08:47	91-20-3	
Nitrobenzene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	98-95-3	
2-Nitrophenol	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	09/03/13 10:00	09/03/13 23:00	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	09/03/13 10:00	09/03/13 23:00	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	1	09/03/13 10:00	09/03/13 23:00	87-86-5	
Phenanthrene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	85-01-8	
Phenol	**58.0**	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	108-95-2	
Pyrene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:00	120-82-1	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	09/03/13 10:00	09/03/13 23:00	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	74	%	10-120	1	09/03/13 10:00	09/03/13 23:00	4165-60-0	
2-Fluorobiphenyl (S)	59	%	15-120	1	09/03/13 10:00	09/03/13 23:00	321-60-8	
Terphenyl-d14 (S)	47	%	11-131	1	09/03/13 10:00	09/03/13 23:00	1718-51-0	
Phenol-d6 (S)	34	%	10-120	1	09/03/13 10:00	09/03/13 23:00	13127-88-3	
2-Fluorophenol (S)	45	%	10-120	1	09/03/13 10:00	09/03/13 23:00	367-12-4	
2,4,6-Tribromophenol (S)	78	%	10-137	1	09/03/13 10:00	09/03/13 23:00	118-79-6	
Tentatively Identified Compounds								
2-Pentanol, 2-methyl-	**127**	ug/L		1	09/03/13 10:00	09/03/13 23:00	590-36-3	N
Toluene	**310**	ug/L		1	09/03/13 10:00	09/03/13 23:00	108-88-3	N
Cyclopentanol, 1-methyl-	**84.6**	ug/L		1	09/03/13 10:00	09/03/13 23:00	1462-03-9	N
2-Hexanol, 2-methyl-	**61.5**	ug/L		1	09/03/13 10:00	09/03/13 23:00	625-23-0	N
Unknown	**117**	ug/L		1	09/03/13 10:00	09/03/13 23:00		N
Ethylbenzene	**76.6**	ug/L		1	09/03/13 10:00	09/03/13 23:00	100-41-4	N
p-Xylene	**204**	ug/L		1	09/03/13 10:00	09/03/13 23:00	106-42-3	N

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

Sample: MW-1A **Lab ID: 92170624001** Collected: 08/29/13 15:00 Received: 08/30/13 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
Tentatively Identified Compounds								
o-Xylene	**173**	ug/L		1	09/03/13 10:00	09/03/13 23:00	95-47-6	N
Unknown	**51.9**	ug/L		1	09/03/13 10:00	09/03/13 23:00		N
Benzene, 1-ethyl-2-methy	**77.4**	ug/L		1	09/03/13 10:00	09/03/13 23:00	611-14-3	N
6200B MSV	Analytical Method: SM 6200B							
Benzene	**8790**	ug/L	50.0	100		09/04/13 11:03	71-43-2	
Bromobenzene	ND	ug/L	12.5	25		09/03/13 16:46	108-86-1	
Bromochloromethane	ND	ug/L	12.5	25		09/03/13 16:46	74-97-5	
Bromodichloromethane	ND	ug/L	12.5	25		09/03/13 16:46	75-27-4	
Bromoform	ND	ug/L	12.5	25		09/03/13 16:46	75-25-2	
Bromomethane	ND	ug/L	125	25		09/03/13 16:46	74-83-9	
n-Butylbenzene	ND	ug/L	12.5	25		09/03/13 16:46	104-51-8	
sec-Butylbenzene	ND	ug/L	12.5	25		09/03/13 16:46	135-98-8	
tert-Butylbenzene	ND	ug/L	12.5	25		09/03/13 16:46	98-06-6	
Carbon tetrachloride	ND	ug/L	12.5	25		09/03/13 16:46	56-23-5	
Chlorobenzene	ND	ug/L	12.5	25		09/03/13 16:46	108-90-7	
Chloroethane	ND	ug/L	25.0	25		09/03/13 16:46	75-00-3	
Chloroform	ND	ug/L	12.5	25		09/03/13 16:46	67-66-3	
Chloromethane	ND	ug/L	25.0	25		09/03/13 16:46	74-87-3	
2-Chlorotoluene	ND	ug/L	12.5	25		09/03/13 16:46	95-49-8	
4-Chlorotoluene	ND	ug/L	12.5	25		09/03/13 16:46	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	25.0	25		09/03/13 16:46	96-12-8	
Dibromochloromethane	ND	ug/L	12.5	25		09/03/13 16:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	12.5	25		09/03/13 16:46	106-93-4	
Dibromomethane	ND	ug/L	12.5	25		09/03/13 16:46	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	12.5	25		09/03/13 16:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	12.5	25		09/03/13 16:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	12.5	25		09/03/13 16:46	106-46-7	
Dichlorodifluoromethane	ND	ug/L	12.5	25		09/03/13 16:46	75-71-8	
1,1-Dichloroethane	ND	ug/L	12.5	25		09/03/13 16:46	75-34-3	
1,2-Dichloroethane	**82.4**	ug/L	12.5	25		09/03/13 16:46	107-06-2	
1,1-Dichloroethene	ND	ug/L	12.5	25		09/03/13 16:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	12.5	25		09/03/13 16:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	12.5	25		09/03/13 16:46	156-60-5	
1,2-Dichloropropane	ND	ug/L	12.5	25		09/03/13 16:46	78-87-5	
1,3-Dichloropropane	ND	ug/L	12.5	25		09/03/13 16:46	142-28-9	
2,2-Dichloropropane	ND	ug/L	12.5	25		09/03/13 16:46	594-20-7	
1,1-Dichloropropene	ND	ug/L	12.5	25		09/03/13 16:46	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	12.5	25		09/03/13 16:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	12.5	25		09/03/13 16:46	10061-02-6	
Diisopropyl ether	**2800**	ug/L	12.5	25		09/03/13 16:46	108-20-3	
Ethylbenzene	**998**	ug/L	12.5	25		09/03/13 16:46	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	50.0	25		09/03/13 16:46	87-68-3	
Isopropylbenzene (Cumene)	**54.2**	ug/L	12.5	25		09/03/13 16:46	98-82-8	
Methylene Chloride	ND	ug/L	50.0	25		09/03/13 16:46	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	12.5	25		09/03/13 16:46	1634-04-4	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

Sample: MW-1A **Lab ID: 92170624001** Collected: 08/29/13 15:00 Received: 08/30/13 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Naphthalene	**345**	ug/L	50.0	25		09/03/13 16:46	91-20-3	
n-Propylbenzene	**104**	ug/L	12.5	25		09/03/13 16:46	103-65-1	
Styrene	**47.6**	ug/L	12.5	25		09/03/13 16:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	12.5	25		09/03/13 16:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	12.5	25		09/03/13 16:46	79-34-5	
Tetrachloroethene	ND	ug/L	12.5	25		09/03/13 16:46	127-18-4	
Toluene	**7880**	ug/L	50.0	100		09/04/13 11:03	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	50.0	25		09/03/13 16:46	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	25		09/03/13 16:46	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	12.5	25		09/03/13 16:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	12.5	25		09/03/13 16:46	79-00-5	
Trichloroethene	ND	ug/L	12.5	25		09/03/13 16:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	25.0	25		09/03/13 16:46	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	12.5	25		09/03/13 16:46	96-18-4	
1,2,4-Trimethylbenzene	**782**	ug/L	12.5	25		09/03/13 16:46	95-63-6	
1,3,5-Trimethylbenzene	**265**	ug/L	12.5	25		09/03/13 16:46	108-67-8	
Vinyl chloride	ND	ug/L	25.0	25		09/03/13 16:46	75-01-4	
m&p-Xylene	**3190**	ug/L	25.0	25		09/03/13 16:46	179601-23-1	
o-Xylene	**1780**	ug/L	12.5	25		09/03/13 16:46	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	94	%	70-130	25		09/03/13 16:46	17060-07-0	
Dibromofluoromethane (S)	95	%	70-130	25		09/03/13 16:46	1868-53-7	
4-Bromofluorobenzene (S)	98	%	70-130	25		09/03/13 16:46	460-00-4	
Toluene-d8 (S)	99	%	70-130	25		09/03/13 16:46	2037-26-5	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

Sample: MW-3 **Lab ID: 92170624002** Collected: 08/29/13 14:00 Received: 08/30/13 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
504 GCS EDB and DBCP	Analytical Method: EPA 504.1 Preparation Method: EPA 504.1							
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	1	08/31/13 13:42	09/01/13 21:18	106-93-4	
Surrogates								
1-Chloro-2-bromopropane (S)	110	%	70-130	1	08/31/13 13:42	09/01/13 21:18	301-79-56	
MADEP EPH NC Water	Analytical Method: MADEP EPH Preparation Method: MADEP EPH							
Aliphatic (C09-C18)	ND	ug/L	100	1	09/03/13 14:00	09/04/13 13:08		N2
Aliphatic (C19-C36)	ND	ug/L	100	1	09/03/13 14:00	09/04/13 13:08		N2
Aromatic (C11-C22)	ND	ug/L	100	1	09/03/13 14:00	09/04/13 13:08		N2
Surrogates								
Nonatriacontane (S)	60	%	40-140	1	09/03/13 14:00	09/04/13 13:08	7194-86-7	
o-Terphenyl (S)	74	%	40-140	1	09/03/13 14:00	09/04/13 13:08	84-15-1	
2-Fluorobiphenyl (S)	83	%	40-140	1	09/03/13 14:00	09/04/13 13:08	321-60-8	
2-Bromonaphthalene (S)	98	%	40-140	1	09/03/13 14:00	09/04/13 13:08	580-13-2	
VPH NC Water	Analytical Method: MADEP VPH							
Aliphatic (C05-C08)	ND	ug/L	50.0	1		09/03/13 11:17		N2
Aliphatic (C09-C12)	ND	ug/L	50.0	1		09/03/13 11:17		N2
Aromatic (C09-C10)	ND	ug/L	50.0	1		09/03/13 11:17		N2
Surrogates								
4-Bromofluorobenzene (FID) (S)	98	%	70-130	1		09/03/13 11:17	460-00-4	
4-Bromofluorobenzene (PID) (S)	87	%	70-130	1		09/03/13 11:17	460-00-4	
200.7 MET ICP, 3030C	Analytical Method: EPA 200.7 Preparation Method: SM 3030C							
Lead	**21.7**	ug/L	5.0	1	08/31/13 08:35	09/04/13 12:08	7439-92-1	
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
Acenaphthene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	83-32-9	
Acenaphthylene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	208-96-8	
Anthracene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	120-12-7	
Benzo(a)anthracene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	207-08-9	
4-Bromophenylphenyl ether	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	101-55-3	
Butylbenzylphthalate	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	59-50-7	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	09/03/13 10:00	09/03/13 23:28	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	108-60-1	
2-Chloronaphthalene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	91-58-7	
2-Chlorophenol	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	7005-72-3	
Chrysene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	53-70-3	
3,3'-Dichlorobenzidine	ND	ug/L	25.0	1	09/03/13 10:00	09/03/13 23:28	91-94-1	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

Sample: MW-3 **Lab ID: 92170624002** Collected: 08/29/13 14:00 Received: 08/30/13 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
2,4-Dichlorophenol	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	120-83-2	
Diethylphthalate	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	09/03/13 10:00	09/03/13 23:28	105-67-9	
Dimethylphthalate	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	131-11-3	
Di-n-butylphthalate	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	09/03/13 10:00	09/03/13 23:28	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	1	09/03/13 10:00	09/03/13 23:28	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	606-20-2	
Di-n-octylphthalate	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	117-81-7	
Fluoranthene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	206-44-0	
Fluorene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	87-68-3	
Hexachlorobenzene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	09/03/13 10:00	09/03/13 23:28	77-47-4	
Hexachloroethane	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	193-39-5	
Isophorone	ND	ug/L	10.0	1	09/03/13 10:00	09/03/13 23:28	78-59-1	
Naphthalene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	91-20-3	
Nitrobenzene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	98-95-3	
2-Nitrophenol	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	09/03/13 10:00	09/03/13 23:28	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	09/03/13 10:00	09/03/13 23:28	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	1	09/03/13 10:00	09/03/13 23:28	87-86-5	
Phenanthrene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	85-01-8	
Phenol	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	108-95-2	
Pyrene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:28	120-82-1	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	09/03/13 10:00	09/03/13 23:28	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	71	%	10-120	1	09/03/13 10:00	09/03/13 23:28	4165-60-0	
2-Fluorobiphenyl (S)	69	%	15-120	1	09/03/13 10:00	09/03/13 23:28	321-60-8	
Terphenyl-d14 (S)	53	%	11-131	1	09/03/13 10:00	09/03/13 23:28	1718-51-0	
Phenol-d6 (S)	28	%	10-120	1	09/03/13 10:00	09/03/13 23:28	13127-88-3	
2-Fluorophenol (S)	39	%	10-120	1	09/03/13 10:00	09/03/13 23:28	367-12-4	
2,4,6-Tribromophenol (S)	83	%	10-137	1	09/03/13 10:00	09/03/13 23:28	118-79-6	
Tentatively Identified Compounds								
Toluene	**6.5**	ug/L		1	09/03/13 10:00	09/03/13 23:28	108-88-3	N
Unknown	**11.6**	ug/L		1	09/03/13 10:00	09/03/13 23:28		N
Unknown	**11.5**	ug/L		1	09/03/13 10:00	09/03/13 23:28		N
Unknown	**6.6**	ug/L		1	09/03/13 10:00	09/03/13 23:28		N
Hexadecanoic acid	**26.5**	ug/L		1	09/03/13 10:00	09/03/13 23:28	57-10-3	N

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

Pace Analytical
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

Sample: MW-3 **Lab ID: 92170624002** Collected: 08/29/13 14:00 Received: 08/30/13 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Benzene	ND	ug/L	0.50	1		09/04/13 10:46	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		09/04/13 10:46	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		09/04/13 10:46	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		09/04/13 10:46	75-27-4	
Bromoform	ND	ug/L	0.50	1		09/04/13 10:46	75-25-2	
Bromomethane	ND	ug/L	5.0	1		09/04/13 10:46	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		09/04/13 10:46	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		09/04/13 10:46	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		09/04/13 10:46	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		09/04/13 10:46	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		09/04/13 10:46	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/04/13 10:46	75-00-3	
Chloroform	ND	ug/L	0.50	1		09/04/13 10:46	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/04/13 10:46	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		09/04/13 10:46	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		09/04/13 10:46	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		09/04/13 10:46	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		09/04/13 10:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		09/04/13 10:46	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		09/04/13 10:46	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		09/04/13 10:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		09/04/13 10:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		09/04/13 10:46	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		09/04/13 10:46	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		09/04/13 10:46	75-34-3	
1,2-Dichloroethane	**0.88**	ug/L	0.50	1		09/04/13 10:46	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		09/04/13 10:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		09/04/13 10:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		09/04/13 10:46	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		09/04/13 10:46	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		09/04/13 10:46	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		09/04/13 10:46	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		09/04/13 10:46	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		09/04/13 10:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		09/04/13 10:46	10061-02-6	
Diisopropyl ether	**14.1**	ug/L	0.50	1		09/04/13 10:46	108-20-3	
Ethylbenzene	ND	ug/L	0.50	1		09/04/13 10:46	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		09/04/13 10:46	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		09/04/13 10:46	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		09/04/13 10:46	75-09-2	
Methyl-tert-butyl ether	**40.5**	ug/L	0.50	1		09/04/13 10:46	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		09/04/13 10:46	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		09/04/13 10:46	103-65-1	
Styrene	ND	ug/L	0.50	1		09/04/13 10:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		09/04/13 10:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		09/04/13 10:46	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		09/04/13 10:46	127-18-4	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

Sample: MW-3 **Lab ID: 92170624002** Collected: 08/29/13 14:00 Received: 08/30/13 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Toluene	ND	ug/L	0.50	1		09/04/13 10:46	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		09/04/13 10:46	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		09/04/13 10:46	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		09/04/13 10:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		09/04/13 10:46	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		09/04/13 10:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/04/13 10:46	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		09/04/13 10:46	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		09/04/13 10:46	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		09/04/13 10:46	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		09/04/13 10:46	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1		09/04/13 10:46	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		09/04/13 10:46	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%	70-130	1		09/04/13 10:46	17060-07-0	
Dibromofluoromethane (S)	100	%	70-130	1		09/04/13 10:46	1868-53-7	
4-Bromofluorobenzene (S)	94	%	70-130	1		09/04/13 10:46	460-00-4	
Toluene-d8 (S)	99	%	70-130	1		09/04/13 10:46	2037-26-5	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

Sample: MW-5A **Lab ID: 92170624003** Collected: 08/29/13 14:30 Received: 08/30/13 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
504 GCS EDB and DBCP	Analytical Method: EPA 504.1 Preparation Method: EPA 504.1							
1,2-Dibromoethane (EDB)	**1.7**	ug/L	0.097	5	08/31/13 13:42	09/02/13 04:31	106-93-4	
Surrogates								
1-Chloro-2-bromopropane (S)	0	%	70-130	5	08/31/13 13:42	09/02/13 04:31	301-79-56	S4
MADEP EPH NC Water	Analytical Method: MADEP EPH Preparation Method: MADEP EPH							
Aliphatic (C09-C18)	ND	ug/L	100	1	09/03/13 14:00	09/04/13 13:40		N2
Aliphatic (C19-C36)	ND	ug/L	100	1	09/03/13 14:00	09/04/13 13:40		N2
Aromatic (C11-C22)	ND	ug/L	100	1	09/03/13 14:00	09/04/13 13:40		N2
Surrogates								
Nonatriacontane (S)	88	%	40-140	1	09/03/13 14:00	09/04/13 13:40	7194-86-7	
o-Terphenyl (S)	56	%	40-140	1	09/03/13 14:00	09/04/13 13:40	84-15-1	
2-Fluorobiphenyl (S)	82	%	40-140	1	09/03/13 14:00	09/04/13 13:40	321-60-8	
2-Bromonaphthalene (S)	95	%	40-140	1	09/03/13 14:00	09/04/13 13:40	580-13-2	
VPH NC Water	Analytical Method: MADEP VPH							
Aliphatic (C05-C08)	**4080**	ug/L	500	10		09/03/13 13:37		N2
Aliphatic (C09-C12)	**777**	ug/L	500	10		09/03/13 13:37		N2
Aromatic (C09-C10)	ND	ug/L	500	10		09/03/13 13:37		N2
Surrogates								
4-Bromofluorobenzene (FID) (S)	98	%	70-130	10		09/03/13 13:37	460-00-4	
4-Bromofluorobenzene (PID) (S)	95	%	70-130	10		09/03/13 13:37	460-00-4	
200.7 MET ICP, 3030C	Analytical Method: EPA 200.7 Preparation Method: SM 3030C							
Lead	ND	ug/L	5.0	1	08/31/13 08:35	09/04/13 12:12	7439-92-1	
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
Acenaphthene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	83-32-9	
Acenaphthylene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	208-96-8	
Anthracene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	120-12-7	
Benzo(a)anthracene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	207-08-9	
4-Bromophenylphenyl ether	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	101-55-3	
Butylbenzylphthalate	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	59-50-7	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	09/03/13 10:00	09/03/13 23:57	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	108-60-1	
2-Chloronaphthalene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	91-58-7	
2-Chlorophenol	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	7005-72-3	
Chrysene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	53-70-3	
3,3'-Dichlorobenzidine	ND	ug/L	25.0	1	09/03/13 10:00	09/03/13 23:57	91-94-1	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

Sample: MW-5A **Lab ID: 92170624003** Collected: 08/29/13 14:30 Received: 08/30/13 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
2,4-Dichlorophenol	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	120-83-2	
Diethylphthalate	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	09/03/13 10:00	09/03/13 23:57	105-67-9	
Dimethylphthalate	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	131-11-3	
Di-n-butylphthalate	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	09/03/13 10:00	09/03/13 23:57	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	1	09/03/13 10:00	09/03/13 23:57	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	606-20-2	
Di-n-octylphthalate	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	117-81-7	
Fluoranthene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	206-44-0	
Fluorene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	87-68-3	
Hexachlorobenzene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	09/03/13 10:00	09/03/13 23:57	77-47-4	
Hexachloroethane	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	193-39-5	
Isophorone	ND	ug/L	10.0	1	09/03/13 10:00	09/03/13 23:57	78-59-1	
Naphthalene	**20.2**	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	91-20-3	
Nitrobenzene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	98-95-3	
2-Nitrophenol	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	09/03/13 10:00	09/03/13 23:57	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	09/03/13 10:00	09/03/13 23:57	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	1	09/03/13 10:00	09/03/13 23:57	87-86-5	
Phenanthrene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	85-01-8	
Phenol	**5.1**	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	108-95-2	
Pyrene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1	09/03/13 10:00	09/03/13 23:57	120-82-1	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	09/03/13 10:00	09/03/13 23:57	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	66	%	10-120	1	09/03/13 10:00	09/03/13 23:57	4165-60-0	
2-Fluorobiphenyl (S)	64	%	15-120	1	09/03/13 10:00	09/03/13 23:57	321-60-8	
Terphenyl-d14 (S)	65	%	11-131	1	09/03/13 10:00	09/03/13 23:57	1718-51-0	
Phenol-d6 (S)	30	%	10-120	1	09/03/13 10:00	09/03/13 23:57	13127-88-3	
2-Fluorophenol (S)	38	%	10-120	1	09/03/13 10:00	09/03/13 23:57	367-12-4	
2,4,6-Tribromophenol (S)	88	%	10-137	1	09/03/13 10:00	09/03/13 23:57	118-79-6	
Tentatively Identified Compounds								
2-Pentanol, 2-methyl-	**542**	ug/L		1	09/03/13 10:00	09/03/13 23:57	590-36-3	N
Toluene	**219**	ug/L		1	09/03/13 10:00	09/03/13 23:57	108-88-3	N
Cyclopentanol, 1-methyl-	**245**	ug/L		1	09/03/13 10:00	09/03/13 23:57	1462-03-9	N
Unknown	**102**	ug/L		1	09/03/13 10:00	09/03/13 23:57		N
Unknown	**341**	ug/L		1	09/03/13 10:00	09/03/13 23:57		N
o-Xylene	**199**	ug/L		1	09/03/13 10:00	09/03/13 23:57	95-47-6	N
o-Xylene	**293**	ug/L		1	09/03/13 10:00	09/03/13 23:57	95-47-6	N

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

Sample: MW-5A **Lab ID: 92170624003** Collected: 08/29/13 14:30 Received: 08/30/13 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
Tentatively Identified Compounds								
Benzene, 1-ethyl-2-methy	**90.4**	ug/L		1	09/03/13 10:00	09/03/13 23:57	611-14-3	N
Benzene, 1,2,3-trimethyl	**95.6**	ug/L		1	09/03/13 10:00	09/03/13 23:57	526-73-8	N
Indane	**120**	ug/L		1	09/03/13 10:00	09/03/13 23:57	496-11-7	N
6200B MSV	Analytical Method: SM 6200B							
Benzene	**412**	ug/L	12.5	25		09/03/13 17:20	71-43-2	
Bromobenzene	ND	ug/L	12.5	25		09/03/13 17:20	108-86-1	
Bromochloromethane	ND	ug/L	12.5	25		09/03/13 17:20	74-97-5	
Bromodichloromethane	ND	ug/L	12.5	25		09/03/13 17:20	75-27-4	
Bromoform	ND	ug/L	12.5	25		09/03/13 17:20	75-25-2	
Bromomethane	ND	ug/L	125	25		09/03/13 17:20	74-83-9	
n-Butylbenzene	ND	ug/L	12.5	25		09/03/13 17:20	104-51-8	
sec-Butylbenzene	ND	ug/L	12.5	25		09/03/13 17:20	135-98-8	
tert-Butylbenzene	ND	ug/L	12.5	25		09/03/13 17:20	98-06-6	
Carbon tetrachloride	ND	ug/L	12.5	25		09/03/13 17:20	56-23-5	
Chlorobenzene	ND	ug/L	12.5	25		09/03/13 17:20	108-90-7	
Chloroethane	ND	ug/L	25.0	25		09/03/13 17:20	75-00-3	
Chloroform	ND	ug/L	12.5	25		09/03/13 17:20	67-66-3	
Chloromethane	ND	ug/L	25.0	25		09/03/13 17:20	74-87-3	
2-Chlorotoluene	**21.4**	ug/L	12.5	25		09/03/13 17:20	95-49-8	
4-Chlorotoluene	ND	ug/L	12.5	25		09/03/13 17:20	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	25.0	25		09/03/13 17:20	96-12-8	
Dibromochloromethane	ND	ug/L	12.5	25		09/03/13 17:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	12.5	25		09/03/13 17:20	106-93-4	
Dibromomethane	ND	ug/L	12.5	25		09/03/13 17:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	12.5	25		09/03/13 17:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	12.5	25		09/03/13 17:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	12.5	25		09/03/13 17:20	106-46-7	
Dichlorodifluoromethane	ND	ug/L	12.5	25		09/03/13 17:20	75-71-8	
1,1-Dichloroethane	ND	ug/L	12.5	25		09/03/13 17:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	12.5	25		09/03/13 17:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	12.5	25		09/03/13 17:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	12.5	25		09/03/13 17:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	12.5	25		09/03/13 17:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	12.5	25		09/03/13 17:20	78-87-5	
1,3-Dichloropropane	ND	ug/L	12.5	25		09/03/13 17:20	142-28-9	
2,2-Dichloropropane	ND	ug/L	12.5	25		09/03/13 17:20	594-20-7	
1,1-Dichloropropene	ND	ug/L	12.5	25		09/03/13 17:20	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	12.5	25		09/03/13 17:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	12.5	25		09/03/13 17:20	10061-02-6	
Diisopropyl ether	**2920**	ug/L	12.5	25		09/03/13 17:20	108-20-3	
Ethylbenzene	**91.4**	ug/L	12.5	25		09/03/13 17:20	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	50.0	25		09/03/13 17:20	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	12.5	25		09/03/13 17:20	98-82-8	
Methylene Chloride	ND	ug/L	50.0	25		09/03/13 17:20	75-09-2	
Methyl-tert-butyl ether	**14.8**	ug/L	12.5	25		09/03/13 17:20	1634-04-4	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

Sample: MW-5A **Lab ID: 92170624003** Collected: 08/29/13 14:30 Received: 08/30/13 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Naphthalene	ND	ug/L	50.0	25		09/03/13 17:20	91-20-3	
n-Propylbenzene	**13.5**	ug/L	12.5	25		09/03/13 17:20	103-65-1	
Styrene	ND	ug/L	12.5	25		09/03/13 17:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	12.5	25		09/03/13 17:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	12.5	25		09/03/13 17:20	79-34-5	
Tetrachloroethene	ND	ug/L	12.5	25		09/03/13 17:20	127-18-4	
Toluene	**492**	ug/L	12.5	25		09/03/13 17:20	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	50.0	25		09/03/13 17:20	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	25		09/03/13 17:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	12.5	25		09/03/13 17:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	12.5	25		09/03/13 17:20	79-00-5	
Trichloroethene	ND	ug/L	12.5	25		09/03/13 17:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	25.0	25		09/03/13 17:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	12.5	25		09/03/13 17:20	96-18-4	
1,2,4-Trimethylbenzene	**82.9**	ug/L	12.5	25		09/03/13 17:20	95-63-6	
1,3,5-Trimethylbenzene	**27.8**	ug/L	12.5	25		09/03/13 17:20	108-67-8	
Vinyl chloride	ND	ug/L	25.0	25		09/03/13 17:20	75-01-4	
m&p-Xylene	**287**	ug/L	25.0	25		09/03/13 17:20	179601-23-1	
o-Xylene	**177**	ug/L	12.5	25		09/03/13 17:20	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%	70-130	25		09/03/13 17:20	17060-07-0	
Dibromofluoromethane (S)	97	%	70-130	25		09/03/13 17:20	1868-53-7	
4-Bromofluorobenzene (S)	98	%	70-130	25		09/03/13 17:20	460-00-4	
Toluene-d8 (S)	98	%	70-130	25		09/03/13 17:20	2037-26-5	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

Sample: MW-6 **Lab ID: 92170624004** Collected: 08/29/13 13:30 Received: 08/30/13 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
504 GCS EDB and DBCP	Analytical Method: EPA 504.1 Preparation Method: EPA 504.1							
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	1	09/03/13 13:20	09/03/13 16:54	106-93-4	
Surrogates								
1-Chloro-2-bromopropane (S)	113	%	70-130	1	09/03/13 13:20	09/03/13 16:54	301-79-56	
MADEP EPH NC Water	Analytical Method: MADEP EPH Preparation Method: MADEP EPH							
Aliphatic (C09-C18)	ND	ug/L	100	1	09/03/13 14:00	09/04/13 14:13		N2
Aliphatic (C19-C36)	ND	ug/L	100	1	09/03/13 14:00	09/04/13 14:13		N2
Aromatic (C11-C22)	ND	ug/L	100	1	09/03/13 14:00	09/04/13 14:13		N2
Surrogates								
Nonatriacontane (S)	79	%	40-140	1	09/03/13 14:00	09/04/13 14:13	7194-86-7	
o-Terphenyl (S)	55	%	40-140	1	09/03/13 14:00	09/04/13 14:13	84-15-1	
2-Fluorobiphenyl (S)	65	%	40-140	1	09/03/13 14:00	09/04/13 14:13	321-60-8	
2-Bromonaphthalene (S)	76	%	40-140	1	09/03/13 14:00	09/04/13 14:13	580-13-2	
VPH NC Water	Analytical Method: MADEP VPH							
Aliphatic (C05-C08)	**137**	ug/L	50.0	1		09/03/13 11:41		N2
Aliphatic (C09-C12)	ND	ug/L	50.0	1		09/03/13 11:41		N2
Aromatic (C09-C10)	ND	ug/L	50.0	1		09/03/13 11:41		N2
Surrogates								
4-Bromofluorobenzene (FID) (S)	98	%	70-130	1		09/03/13 11:41	460-00-4	
4-Bromofluorobenzene (PID) (S)	90	%	70-130	1		09/03/13 11:41	460-00-4	
200.7 MET ICP, 3030C	Analytical Method: EPA 200.7 Preparation Method: SM 3030C							
Lead	ND	ug/L	5.0	1	08/31/13 08:35	09/04/13 11:50	7439-92-1	
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
Acenaphthene	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	83-32-9	
Acenaphthylene	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	208-96-8	
Anthracene	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	120-12-7	
Benzo(a)anthracene	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	207-08-9	
4-Bromophenylphenyl ether	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	101-55-3	
Butylbenzylphthalate	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	59-50-7	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	09/03/13 10:00	09/04/13 00:25	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	108-60-1	
2-Chloronaphthalene	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	91-58-7	
2-Chlorophenol	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	7005-72-3	
Chrysene	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	53-70-3	
3,3'-Dichlorobenzidine	ND	ug/L	25.0	1	09/03/13 10:00	09/04/13 00:25	91-94-1	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

Sample: MW-6 **Lab ID: 92170624004** Collected: 08/29/13 13:30 Received: 08/30/13 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
2,4-Dichlorophenol	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	120-83-2	
Diethylphthalate	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	09/03/13 10:00	09/04/13 00:25	105-67-9	
Dimethylphthalate	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	131-11-3	
Di-n-butylphthalate	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	09/03/13 10:00	09/04/13 00:25	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	1	09/03/13 10:00	09/04/13 00:25	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	606-20-2	
Di-n-octylphthalate	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	117-81-7	
Fluoranthene	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	206-44-0	
Fluorene	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	87-68-3	
Hexachlorobenzene	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	09/03/13 10:00	09/04/13 00:25	77-47-4	
Hexachloroethane	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	193-39-5	
Isophorone	ND	ug/L	10.0	1	09/03/13 10:00	09/04/13 00:25	78-59-1	
Naphthalene	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	91-20-3	
Nitrobenzene	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	98-95-3	
2-Nitrophenol	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	09/03/13 10:00	09/04/13 00:25	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	09/03/13 10:00	09/04/13 00:25	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	1	09/03/13 10:00	09/04/13 00:25	87-86-5	
Phenanthrene	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	85-01-8	
Phenol	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	108-95-2	
Pyrene	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1	09/03/13 10:00	09/04/13 00:25	120-82-1	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	09/03/13 10:00	09/04/13 00:25	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	76	%	10-120	1	09/03/13 10:00	09/04/13 00:25	4165-60-0	
2-Fluorobiphenyl (S)	75	%	15-120	1	09/03/13 10:00	09/04/13 00:25	321-60-8	
Terphenyl-d14 (S)	61	%	11-131	1	09/03/13 10:00	09/04/13 00:25	1718-51-0	
Phenol-d6 (S)	30	%	10-120	1	09/03/13 10:00	09/04/13 00:25	13127-88-3	
2-Fluorophenol (S)	42	%	10-120	1	09/03/13 10:00	09/04/13 00:25	367-12-4	
2,4,6-Tribromophenol (S)	81	%	10-137	1	09/03/13 10:00	09/04/13 00:25	118-79-6	
Tentatively Identified Compounds								
Unknown	**6.2**	ug/L		1	09/03/13 10:00	09/04/13 00:25		N
Unknown	**12.6**	ug/L		1	09/03/13 10:00	09/04/13 00:25		N
Unknown	**11.6**	ug/L		1	09/03/13 10:00	09/04/13 00:25		N
Unknown	**7.5**	ug/L		1	09/03/13 10:00	09/04/13 00:25		N
6200B MSV	Analytical Method: SM 6200B							
Benzene	ND	ug/L	0.50	1		09/03/13 14:51	71-43-2	

REPORT OF LABORATORY ANALYSIS

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

Sample: MW-6 **Lab ID: 92170624004** Collected: 08/29/13 13:30 Received: 08/30/13 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Bromobenzene	ND	ug/L	0.50	1		09/03/13 14:51	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		09/03/13 14:51	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		09/03/13 14:51	75-27-4	
Bromoform	ND	ug/L	0.50	1		09/03/13 14:51	75-25-2	
Bromomethane	ND	ug/L	5.0	1		09/03/13 14:51	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		09/03/13 14:51	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		09/03/13 14:51	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		09/03/13 14:51	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		09/03/13 14:51	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		09/03/13 14:51	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/03/13 14:51	75-00-3	
Chloroform	ND	ug/L	0.50	1		09/03/13 14:51	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/03/13 14:51	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		09/03/13 14:51	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		09/03/13 14:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		09/03/13 14:51	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		09/03/13 14:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		09/03/13 14:51	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		09/03/13 14:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		09/03/13 14:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		09/03/13 14:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		09/03/13 14:51	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		09/03/13 14:51	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		09/03/13 14:51	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		09/03/13 14:51	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		09/03/13 14:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		09/03/13 14:51	156-59-2	
trans-1,2-Dichloroethene	**0.59**	ug/L	0.50	1		09/03/13 14:51	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		09/03/13 14:51	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		09/03/13 14:51	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		09/03/13 14:51	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		09/03/13 14:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		09/03/13 14:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		09/03/13 14:51	10061-02-6	
Diisopropyl ether	**49.5**	ug/L	0.50	1		09/03/13 14:51	108-20-3	
Ethylbenzene	ND	ug/L	0.50	1		09/03/13 14:51	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		09/03/13 14:51	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		09/03/13 14:51	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		09/03/13 14:51	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		09/03/13 14:51	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		09/03/13 14:51	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		09/03/13 14:51	103-65-1	
Styrene	ND	ug/L	0.50	1		09/03/13 14:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		09/03/13 14:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		09/03/13 14:51	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		09/03/13 14:51	127-18-4	
Toluene	ND	ug/L	0.50	1		09/03/13 14:51	108-88-3	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

Sample: MW-6 **Lab ID: 92170624004** Collected: 08/29/13 13:30 Received: 08/30/13 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		09/03/13 14:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		09/03/13 14:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		09/03/13 14:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		09/03/13 14:51	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		09/03/13 14:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/03/13 14:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		09/03/13 14:51	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		09/03/13 14:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		09/03/13 14:51	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		09/03/13 14:51	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1		09/03/13 14:51	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		09/03/13 14:51	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	80	%	70-130	1		09/03/13 14:51	17060-07-0	
Dibromofluoromethane (S)	93	%	70-130	1		09/03/13 14:51	1868-53-7	
4-Bromofluorobenzene (S)	96	%	70-130	1		09/03/13 14:51	460-00-4	
Toluene-d8 (S)	97	%	70-130	1		09/03/13 14:51	2037-26-5	

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

Pace Analytical
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

Sample: Trip Blank **Lab ID: 92170624005** Collected: 08/29/13 00:00 Received: 08/30/13 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Benzene	ND	ug/L	0.50	1		09/03/13 14:01	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		09/03/13 14:01	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		09/03/13 14:01	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		09/03/13 14:01	75-27-4	
Bromoform	ND	ug/L	0.50	1		09/03/13 14:01	75-25-2	
Bromomethane	ND	ug/L	5.0	1		09/03/13 14:01	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		09/03/13 14:01	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		09/03/13 14:01	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		09/03/13 14:01	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		09/03/13 14:01	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		09/03/13 14:01	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/03/13 14:01	75-00-3	
Chloroform	ND	ug/L	0.50	1		09/03/13 14:01	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/03/13 14:01	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		09/03/13 14:01	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		09/03/13 14:01	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		09/03/13 14:01	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		09/03/13 14:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		09/03/13 14:01	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		09/03/13 14:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		09/03/13 14:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		09/03/13 14:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		09/03/13 14:01	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		09/03/13 14:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		09/03/13 14:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		09/03/13 14:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		09/03/13 14:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		09/03/13 14:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		09/03/13 14:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		09/03/13 14:01	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		09/03/13 14:01	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		09/03/13 14:01	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		09/03/13 14:01	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		09/03/13 14:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		09/03/13 14:01	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	1		09/03/13 14:01	108-20-3	
Ethylbenzene	ND	ug/L	0.50	1		09/03/13 14:01	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		09/03/13 14:01	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		09/03/13 14:01	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		09/03/13 14:01	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		09/03/13 14:01	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		09/03/13 14:01	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		09/03/13 14:01	103-65-1	
Styrene	ND	ug/L	0.50	1		09/03/13 14:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		09/03/13 14:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		09/03/13 14:01	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		09/03/13 14:01	127-18-4	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

Sample: Trip Blank **Lab ID: 92170624005** Collected: 08/29/13 00:00 Received: 08/30/13 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Toluene	ND	ug/L	0.50	1		09/03/13 14:01	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		09/03/13 14:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		09/03/13 14:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		09/03/13 14:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		09/03/13 14:01	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		09/03/13 14:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/03/13 14:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		09/03/13 14:01	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		09/03/13 14:01	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		09/03/13 14:01	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		09/03/13 14:01	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1		09/03/13 14:01	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		09/03/13 14:01	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%	70-130	1		09/03/13 14:01	17060-07-0	
Dibromofluoromethane (S)	99	%	70-130	1		09/03/13 14:01	1868-53-7	
4-Bromofluorobenzene (S)	96	%	70-130	1		09/03/13 14:01	460-00-4	
Toluene-d8 (S)	98	%	70-130	1		09/03/13 14:01	2037-26-5	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

QC Batch: GCV/7249 Analysis Method: MADEP VPH
QC Batch Method: MADEP VPH Analysis Description: VPH NC Water
Associated Lab Samples: 92170624001, 92170624002, 92170624003, 92170624004

METHOD BLANK: 1039933 Matrix: Water
Associated Lab Samples: 92170624001, 92170624002, 92170624003, 92170624004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aliphatic (C05-C08)	ug/L	ND	50.0	09/03/13 10:54	N2
Aliphatic (C09-C12)	ug/L	ND	50.0	09/03/13 10:54	N2
Aromatic (C09-C10)	ug/L	ND	50.0	09/03/13 10:54	N2
4-Bromofluorobenzene (FID) (S)	%	89	70-130	09/03/13 10:54	
4-Bromofluorobenzene (PID) (S)	%	79	70-130	09/03/13 10:54	

LABORATORY CONTROL SAMPLE & LCSD: 1039934 1039935

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	ug/L	300	285	264	95	88	70-130	7	25	N2
Aliphatic (C09-C12)	ug/L	300	284	267	95	89	30-130	6	25	N2
Aromatic (C09-C10)	ug/L	100	86.0	81.6	86	82	70-130	5	25	N2
4-Bromofluorobenzene (FID) (S)	%				99	99	70-130			
4-Bromofluorobenzene (PID) (S)	%				88	84	70-130			

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

QC Batch: MPRP/14104 Analysis Method: EPA 200.7
QC Batch Method: SM 3030C Analysis Description: 200.7 MET 3030C
Associated Lab Samples: 92170624001, 92170624002, 92170624003, 92170624004

METHOD BLANK: 1039593 Matrix: Water
Associated Lab Samples: 92170624001, 92170624002, 92170624003, 92170624004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	09/04/13 11:44	

LABORATORY CONTROL SAMPLE: 1039594

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	484	97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1039595 1039596

Parameter	Units	92170624004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Lead	ug/L	ND	500	500	442	441	88	88	70-130	0	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1039597 1039598

Parameter	Units	92170660008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Lead	ug/L	ND	500	500	447	460	89	92	70-130	3	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

QC Batch: MSV/24119 — Analysis Method: SM 6200B
QC Batch Method: SM 6200B — Analysis Description: 6200B MSV
Associated Lab Samples: 92170624001, 92170624003, 92170624004, 92170624005

METHOD BLANK: 1039992 — Matrix: Water
Associated Lab Samples: 92170624001, 92170624003, 92170624004, 92170624005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	09/03/13 13:44	
1,1,1-Trichloroethane	ug/L	ND	0.50	09/03/13 13:44	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	09/03/13 13:44	
1,1,2-Trichloroethane	ug/L	ND	0.50	09/03/13 13:44	
1,1-Dichloroethane	ug/L	ND	0.50	09/03/13 13:44	
1,1-Dichloroethene	ug/L	ND	0.50	09/03/13 13:44	
1,1-Dichloropropene	ug/L	ND	0.50	09/03/13 13:44	
1,2,3-Trichlorobenzene	ug/L	ND	2.0	09/03/13 13:44	
1,2,3-Trichloropropane	ug/L	ND	0.50	09/03/13 13:44	
1,2,4-Trichlorobenzene	ug/L	ND	2.0	09/03/13 13:44	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	09/03/13 13:44	
1,2-Dibromo-3-chloropropane	ug/L	ND	1.0	09/03/13 13:44	
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	09/03/13 13:44	
1,2-Dichlorobenzene	ug/L	ND	0.50	09/03/13 13:44	
1,2-Dichloroethane	ug/L	ND	0.50	09/03/13 13:44	
1,2-Dichloropropane	ug/L	ND	0.50	09/03/13 13:44	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	09/03/13 13:44	
1,3-Dichlorobenzene	ug/L	ND	0.50	09/03/13 13:44	
1,3-Dichloropropane	ug/L	ND	0.50	09/03/13 13:44	
1,4-Dichlorobenzene	ug/L	ND	0.50	09/03/13 13:44	
2,2-Dichloropropane	ug/L	ND	0.50	09/03/13 13:44	
2-Chlorotoluene	ug/L	ND	0.50	09/03/13 13:44	
4-Chlorotoluene	ug/L	ND	0.50	09/03/13 13:44	
Benzene	ug/L	ND	0.50	09/03/13 13:44	
Bromobenzene	ug/L	ND	0.50	09/03/13 13:44	
Bromochloromethane	ug/L	ND	0.50	09/03/13 13:44	
Bromodichloromethane	ug/L	ND	0.50	09/03/13 13:44	
Bromoform	ug/L	ND	0.50	09/03/13 13:44	
Bromomethane	ug/L	ND	5.0	09/03/13 13:44	
Carbon tetrachloride	ug/L	ND	0.50	09/03/13 13:44	
Chlorobenzene	ug/L	ND	0.50	09/03/13 13:44	
Chloroethane	ug/L	ND	1.0	09/03/13 13:44	
Chloroform	ug/L	ND	0.50	09/03/13 13:44	
Chloromethane	ug/L	ND	1.0	09/03/13 13:44	
cis-1,2-Dichloroethene	ug/L	ND	0.50	09/03/13 13:44	
cis-1,3-Dichloropropene	ug/L	ND	0.50	09/03/13 13:44	
Dibromochloromethane	ug/L	ND	0.50	09/03/13 13:44	
Dibromomethane	ug/L	ND	0.50	09/03/13 13:44	
Dichlorodifluoromethane	ug/L	ND	0.50	09/03/13 13:44	
Diisopropyl ether	ug/L	ND	0.50	09/03/13 13:44	
Ethylbenzene	ug/L	ND	0.50	09/03/13 13:44	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	09/03/13 13:44	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	09/03/13 13:44	

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

Pace Analytical
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

METHOD BLANK: 1039992 Matrix: Water

Associated Lab Samples: 92170624001, 92170624003, 92170624004, 92170624005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/L	ND	1.0	09/03/13 13:44	
Methyl-tert-butyl ether	ug/L	ND	0.50	09/03/13 13:44	
Methylene Chloride	ug/L	ND	2.0	09/03/13 13:44	
n-Butylbenzene	ug/L	ND	0.50	09/03/13 13:44	
n-Propylbenzene	ug/L	ND	0.50	09/03/13 13:44	
Naphthalene	ug/L	ND	2.0	09/03/13 13:44	
o-Xylene	ug/L	ND	0.50	09/03/13 13:44	
sec-Butylbenzene	ug/L	ND	0.50	09/03/13 13:44	
Styrene	ug/L	ND	0.50	09/03/13 13:44	
tert-Butylbenzene	ug/L	ND	0.50	09/03/13 13:44	
Tetrachloroethene	ug/L	ND	0.50	09/03/13 13:44	
Toluene	ug/L	ND	0.50	09/03/13 13:44	
trans-1,2-Dichloroethene	ug/L	ND	0.50	09/03/13 13:44	
trans-1,3-Dichloropropene	ug/L	ND	0.50	09/03/13 13:44	
Trichloroethene	ug/L	ND	0.50	09/03/13 13:44	
Trichlorofluoromethane	ug/L	ND	1.0	09/03/13 13:44	
Vinyl chloride	ug/L	ND	1.0	09/03/13 13:44	
1,2-Dichloroethane-d4 (S)	%	96	70-130	09/03/13 13:44	
4-Bromofluorobenzene (S)	%	95	70-130	09/03/13 13:44	
Dibromofluoromethane (S)	%	98	70-130	09/03/13 13:44	
Toluene-d8 (S)	%	98	70-130	09/03/13 13:44	

LABORATORY CONTROL SAMPLE: 1039993

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	57.1	114	60-140	
1,1,1-Trichloroethane	ug/L	50	54.8	110	60-140	
1,1,2,2-Tetrachloroethane	ug/L	50	54.1	108	60-140	
1,1,2-Trichloroethane	ug/L	50	56.2	112	60-140	
1,1-Dichloroethane	ug/L	50	53.3	107	60-140	
1,1-Dichloroethene	ug/L	50	56.2	112	60-140	
1,1-Dichloropropene	ug/L	50	52.3	105	60-140	
1,2,3-Trichlorobenzene	ug/L	50	53.9	108	60-140	
1,2,3-Trichloropropane	ug/L	50	48.6	97	60-140	
1,2,4-Trichlorobenzene	ug/L	50	54.6	109	60-140	
1,2,4-Trimethylbenzene	ug/L	50	53.3	107	60-140	
1,2-Dibromo-3-chloropropane	ug/L	50	62.1	124	60-140	
1,2-Dibromoethane (EDB)	ug/L	50	53.1	106	60-140	
1,2-Dichlorobenzene	ug/L	50	54.9	110	60-140	
1,2-Dichloroethane	ug/L	50	50.7	101	60-140	
1,2-Dichloropropane	ug/L	50	50.0	100	60-140	
1,3,5-Trimethylbenzene	ug/L	50	52.1	104	60-140	
1,3-Dichlorobenzene	ug/L	50	54.7	109	60-140	
1,3-Dichloropropane	ug/L	50	49.7	99	60-140	
1,4-Dichlorobenzene	ug/L	50	53.6	107	60-140	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

LABORATORY CONTROL SAMPLE: 1039993

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	50	59.4	119	60-140	
2-Chlorotoluene	ug/L	50	54.5	109	60-140	
4-Chlorotoluene	ug/L	50	56.5	113	60-140	
Benzene	ug/L	50	55.4	111	60-140	
Bromobenzene	ug/L	50	50.4	101	60-140	
Bromochloromethane	ug/L	50	55.3	111	60-140	
Bromodichloromethane	ug/L	50	58.0	116	60-140	
Bromoform	ug/L	50	50.2	100	60-140	
Bromomethane	ug/L	50	48.4	97	60-140	
Carbon tetrachloride	ug/L	50	58.0	116	60-140	
Chlorobenzene	ug/L	50	53.2	106	60-140	
Chloroethane	ug/L	50	48.3	97	60-140	
Chloroform	ug/L	50	54.7	109	60-140	
Chloromethane	ug/L	50	54.5	109	60-140	
cis-1,2-Dichloroethene	ug/L	50	52.4	105	60-140	
cis-1,3-Dichloropropene	ug/L	50	45.6	91	60-140	
Dibromochloromethane	ug/L	50	48.1	96	60-140	
Dibromomethane	ug/L	50	52.9	106	60-140	
Dichlorodifluoromethane	ug/L	50	61.5	123	60-140	
Diisopropyl ether	ug/L	50	53.8	108	60-140	
Ethylbenzene	ug/L	50	53.6	107	60-140	
Hexachloro-1,3-butadiene	ug/L	50	54.0	108	60-140	
Isopropylbenzene (Cumene)	ug/L	50	59.3	119	60-140	
m&p-Xylene	ug/L	100	109	109	60-140	
Methyl-tert-butyl ether	ug/L	50	52.9	106	60-140	
Methylene Chloride	ug/L	50	49.1	98	60-140	
n-Butylbenzene	ug/L	50	53.6	107	60-140	
n-Propylbenzene	ug/L	50	55.8	112	60-140	
Naphthalene	ug/L	50	54.5	109	60-140	
o-Xylene	ug/L	50	56.8	114	60-140	
sec-Butylbenzene	ug/L	50	58.7	117	60-140	
Styrene	ug/L	50	50.3	101	60-140	
tert-Butylbenzene	ug/L	50	55.9	112	60-140	
Tetrachloroethene	ug/L	50	55.1	110	60-140	
Toluene	ug/L	50	53.9	108	60-140	
trans-1,2-Dichloroethene	ug/L	50	53.0	106	60-140	
trans-1,3-Dichloropropene	ug/L	50	46.0	92	60-140	
Trichloroethene	ug/L	50	55.6	111	60-140	
Trichlorofluoromethane	ug/L	50	55.0	110	60-140	
Vinyl chloride	ug/L	50	43.1	86	60-140	
1,2-Dichloroethane-d4 (S)	%			92	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			99	70-130	
Toluene-d8 (S)	%			100	70-130	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1040551 1040552

Parameter	Units	92170624004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	19.6	20.7	98	103	60-140	5	
1,1,1-Trichloroethane	ug/L	ND	20	20	20.2	21.8	101	109	60-140	7	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	19.9	21.2	100	106	60-140	6	
1,1,2-Trichloroethane	ug/L	ND	20	20	19.8	22.2	99	111	60-140	11	
1,1-Dichloroethane	ug/L	ND	20	20	20.1	21.3	100	106	60-140	6	
1,1-Dichloroethene	ug/L	ND	20	20	21.2	23.2	106	116	60-140	9	
1,1-Dichloropropene	ug/L	ND	20	20	20.2	21.7	101	109	60-140	7	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	19.1	20.8	96	104	60-140	9	
1,2,3-Trichloropropane	ug/L	ND	20	20	18.1	18.6	91	93	60-140	3	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	19.6	20.8	98	104	60-140	6	
1,2,4-Trimethylbenzene	ug/L	ND	20	20	19.9	21.2	100	106	60-140	6	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	20.6	22.3	103	112	60-140	8	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	19.1	20.7	96	104	60-140	8	
1,2-Dichlorobenzene	ug/L	ND	20	20	20.3	21.9	101	109	60-140	8	
1,2-Dichloroethane	ug/L	ND	20	20	18.4	19.9	90	97	60-140	7	
1,2-Dichloropropane	ug/L	ND	20	20	18.6	19.7	93	98	60-140	5	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	20.0	21.1	100	105	60-140	5	
1,3-Dichlorobenzene	ug/L	ND	20	20	20.4	21.8	102	109	60-140	7	
1,3-Dichloropropane	ug/L	ND	20	20	18.4	19.5	92	98	60-140	6	
1,4-Dichlorobenzene	ug/L	ND	20	20	20.1	21.4	100	107	60-140	6	
2,2-Dichloropropane	ug/L	ND	20	20	20.7	22.3	104	112	60-140	7	
2-Chlorotoluene	ug/L	ND	20	20	20.9	22.1	105	110	60-140	5	
4-Chlorotoluene	ug/L	ND	20	20	21.5	23.1	107	116	60-140	7	
Benzene	ug/L	ND	20	20	20.4	22.4	102	112	60-140	9	
Bromobenzene	ug/L	ND	20	20	19.6	20.4	98	102	60-140	4	
Bromochloromethane	ug/L	ND	20	20	20.1	21.3	101	107	60-140	6	
Bromodichloromethane	ug/L	ND	20	20	19.0	20.8	95	104	60-140	9	
Bromoform	ug/L	ND	20	20	16.8	18.2	84	91	60-140	8	
Bromomethane	ug/L	ND	20	20	11.8	14.8	59	74	60-140	22	M0
Carbon tetrachloride	ug/L	ND	20	20	20.7	22.0	103	110	60-140	6	
Chlorobenzene	ug/L	ND	20	20	19.6	21.1	98	106	60-140	8	
Chloroethane	ug/L	ND	20	20	19.6	21.2	98	106	60-140	8	
Chloroform	ug/L	ND	20	20	19.3	20.3	97	101	60-140	5	
Chloromethane	ug/L	ND	20	20	14.9	17.9	74	88	60-140	18	
cis-1,2-Dichloroethene	ug/L	ND	20	20	19.5	20.8	97	104	60-140	6	
cis-1,3-Dichloropropene	ug/L	ND	20	20	15.8	17.3	79	87	60-140	9	
Dibromochloromethane	ug/L	ND	20	20	17.0	18.1	85	91	60-140	7	
Dibromomethane	ug/L	ND	20	20	18.5	19.7	92	99	60-140	7	
Dichlorodifluoromethane	ug/L	ND	20	20	22.4	23.9	112	119	60-140	6	
Diisopropyl ether	ug/L	49.5	20	20	73.1	74.9	118	127	60-140	2	
Ethylbenzene	ug/L	ND	20	20	20.6	21.7	102	108	60-140	5	
Hexachloro-1,3-butadiene	ug/L	ND	20	20	19.2	20.1	96	101	60-140	5	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	22.4	23.7	112	118	60-140	6	
m&p-Xylene	ug/L	ND	40	40	41.6	44.1	104	110	60-140	6	
Methyl-tert-butyl ether	ug/L	ND	20	20	18.3	20.1	91	100	60-140	9	
Methylene Chloride	ug/L	ND	20	20	14.0	15.3	70	77	60-140	9	
n-Butylbenzene	ug/L	ND	20	20	20.2	21.3	101	107	60-140	5	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1040551 1040552

Parameter	Units	92170624004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
n-Propylbenzene	ug/L	ND	20	20	22.0	23.3	110	116	60-140	6	
Naphthalene	ug/L	ND	20	20	19.7	21.4	99	107	60-140	8	
o-Xylene	ug/L	ND	20	20	20.7	22.5	104	113	60-140	8	
sec-Butylbenzene	ug/L	ND	20	20	23.2	24.2	114	120	60-140	4	
Styrene	ug/L	ND	20	20	18.5	19.8	92	99	60-140	7	
tert-Butylbenzene	ug/L	ND	20	20	21.7	22.6	109	113	60-140	4	
Tetrachloroethene	ug/L	ND	20	20	20.4	22.6	102	113	60-140	10	
Toluene	ug/L	ND	20	20	20.1	21.8	101	109	60-140	8	
trans-1,2-Dichloroethene	ug/L	0.59	20	20	20.0	21.7	97	106	60-140	8	
trans-1,3-Dichloropropene	ug/L	ND	20	20	15.9	17.1	80	85	60-140	7	
Trichloroethene	ug/L	ND	20	20	20.6	22.3	103	111	60-140	8	
Trichlorofluoromethane	ug/L	ND	20	20	21.6	23.2	108	116	60-140	7	
Vinyl chloride	ug/L	ND	20	20	16.2	17.5	81	88	60-140	8	
1,2-Dichloroethane-d4 (S)	%						91	92	70-130		
4-Bromofluorobenzene (S)	%						100	99	70-130		
Dibromofluoromethane (S)	%						99	98	70-130		
Toluene-d8 (S)	%						96	98	70-130		

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

Pace Analytical
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

QC Batch: MSV/24130
QC Batch Method: SM 6200B
Analysis Method: SM 6200B
Analysis Description: 6200B MSV
Associated Lab Samples: 92170624002

METHOD BLANK: 1040798
Matrix: Water
Associated Lab Samples: 92170624002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	09/04/13 04:40	
1,1,1-Trichloroethane	ug/L	ND	0.50	09/04/13 04:40	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	09/04/13 04:40	
1,1,2-Trichloroethane	ug/L	ND	0.50	09/04/13 04:40	
1,1-Dichloroethane	ug/L	ND	0.50	09/04/13 04:40	
1,1-Dichloroethene	ug/L	ND	0.50	09/04/13 04:40	
1,1-Dichloropropene	ug/L	ND	0.50	09/04/13 04:40	
1,2,3-Trichlorobenzene	ug/L	ND	2.0	09/04/13 04:40	
1,2,3-Trichloropropane	ug/L	ND	0.50	09/04/13 04:40	
1,2,4-Trichlorobenzene	ug/L	ND	2.0	09/04/13 04:40	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	09/04/13 04:40	
1,2-Dibromo-3-chloropropane	ug/L	ND	1.0	09/04/13 04:40	
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	09/04/13 04:40	
1,2-Dichlorobenzene	ug/L	ND	0.50	09/04/13 04:40	
1,2-Dichloroethane	ug/L	ND	0.50	09/04/13 04:40	
1,2-Dichloropropane	ug/L	ND	0.50	09/04/13 04:40	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	09/04/13 04:40	
1,3-Dichlorobenzene	ug/L	ND	0.50	09/04/13 04:40	
1,3-Dichloropropane	ug/L	ND	0.50	09/04/13 04:40	
1,4-Dichlorobenzene	ug/L	ND	0.50	09/04/13 04:40	
2,2-Dichloropropane	ug/L	ND	0.50	09/04/13 04:40	
2-Chlorotoluene	ug/L	ND	0.50	09/04/13 04:40	
4-Chlorotoluene	ug/L	ND	0.50	09/04/13 04:40	
Benzene	ug/L	ND	0.50	09/04/13 04:40	
Bromobenzene	ug/L	ND	0.50	09/04/13 04:40	
Bromochloromethane	ug/L	ND	0.50	09/04/13 04:40	
Bromodichloromethane	ug/L	ND	0.50	09/04/13 04:40	
Bromoform	ug/L	ND	0.50	09/04/13 04:40	
Bromomethane	ug/L	ND	5.0	09/04/13 04:40	
Carbon tetrachloride	ug/L	ND	0.50	09/04/13 04:40	
Chlorobenzene	ug/L	ND	0.50	09/04/13 04:40	
Chloroethane	ug/L	ND	1.0	09/04/13 04:40	
Chloroform	ug/L	ND	0.50	09/04/13 04:40	
Chloromethane	ug/L	ND	1.0	09/04/13 04:40	
cis-1,2-Dichloroethene	ug/L	ND	0.50	09/04/13 04:40	
cis-1,3-Dichloropropene	ug/L	ND	0.50	09/04/13 04:40	
Dibromochloromethane	ug/L	ND	0.50	09/04/13 04:40	
Dibromomethane	ug/L	ND	0.50	09/04/13 04:40	
Dichlorodifluoromethane	ug/L	ND	0.50	09/04/13 04:40	
Diisopropyl ether	ug/L	ND	0.50	09/04/13 04:40	
Ethylbenzene	ug/L	ND	0.50	09/04/13 04:40	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	09/04/13 04:40	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	09/04/13 04:40	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

METHOD BLANK: 1040798 Matrix: Water

Associated Lab Samples: 92170624002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/L	ND	1.0	09/04/13 04:40	
Methyl-tert-butyl ether	ug/L	ND	0.50	09/04/13 04:40	
Methylene Chloride	ug/L	ND	2.0	09/04/13 04:40	
n-Butylbenzene	ug/L	ND	0.50	09/04/13 04:40	
n-Propylbenzene	ug/L	ND	0.50	09/04/13 04:40	
Naphthalene	ug/L	ND	2.0	09/04/13 04:40	
o-Xylene	ug/L	ND	0.50	09/04/13 04:40	
sec-Butylbenzene	ug/L	ND	0.50	09/04/13 04:40	
Styrene	ug/L	ND	0.50	09/04/13 04:40	
tert-Butylbenzene	ug/L	ND	0.50	09/04/13 04:40	
Tetrachloroethene	ug/L	ND	0.50	09/04/13 04:40	
Toluene	ug/L	ND	0.50	09/04/13 04:40	
trans-1,2-Dichloroethene	ug/L	ND	0.50	09/04/13 04:40	
trans-1,3-Dichloropropene	ug/L	ND	0.50	09/04/13 04:40	
Trichloroethene	ug/L	ND	0.50	09/04/13 04:40	
Trichlorofluoromethane	ug/L	ND	1.0	09/04/13 04:40	
Vinyl chloride	ug/L	ND	1.0	09/04/13 04:40	
1,2-Dichloroethane-d4 (S)	%	92	70-130	09/04/13 04:40	
4-Bromofluorobenzene (S)	%	93	70-130	09/04/13 04:40	
Dibromofluoromethane (S)	%	97	70-130	09/04/13 04:40	
Toluene-d8 (S)	%	101	70-130	09/04/13 04:40	

LABORATORY CONTROL SAMPLE: 1040799

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	57.1	114	60-140	
1,1,1-Trichloroethane	ug/L	50	52.6	105	60-140	
1,1,2,2-Tetrachloroethane	ug/L	50	56.6	113	60-140	
1,1,2-Trichloroethane	ug/L	50	58.9	118	60-140	
1,1-Dichloroethane	ug/L	50	53.4	107	60-140	
1,1-Dichloroethene	ug/L	50	54.7	109	60-140	
1,1-Dichloropropene	ug/L	50	53.3	107	60-140	
1,2,3-Trichlorobenzene	ug/L	50	55.5	111	60-140	
1,2,3-Trichloropropane	ug/L	50	49.6	99	60-140	
1,2,4-Trichlorobenzene	ug/L	50	54.8	110	60-140	
1,2,4-Trimethylbenzene	ug/L	50	55.7	111	60-140	
1,2-Dibromo-3-chloropropane	ug/L	50	61.3	123	60-140	
1,2-Dibromoethane (EDB)	ug/L	50	54.6	109	60-140	
1,2-Dichlorobenzene	ug/L	50	56.6	113	60-140	
1,2-Dichloroethane	ug/L	50	48.6	97	60-140	
1,2-Dichloropropane	ug/L	50	51.8	104	60-140	
1,3,5-Trimethylbenzene	ug/L	50	54.1	108	60-140	
1,3-Dichlorobenzene	ug/L	50	56.9	114	60-140	
1,3-Dichloropropane	ug/L	50	51.0	102	60-140	
1,4-Dichlorobenzene	ug/L	50	54.8	110	60-140	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

LABORATORY CONTROL SAMPLE: 1040799

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	50	50.2	100	60-140	
2-Chlorotoluene	ug/L	50	57.5	115	60-140	
4-Chlorotoluene	ug/L	50	58.3	117	60-140	
Benzene	ug/L	50	56.8	114	60-140	
Bromobenzene	ug/L	50	52.2	104	60-140	
Bromochloromethane	ug/L	50	54.3	109	60-140	
Bromodichloromethane	ug/L	50	58.3	117	60-140	
Bromoform	ug/L	50	49.6	99	60-140	
Bromomethane	ug/L	50	49.7	99	60-140	
Carbon tetrachloride	ug/L	50	56.0	112	60-140	
Chlorobenzene	ug/L	50	53.8	108	60-140	
Chloroethane	ug/L	50	51.3	103	60-140	
Chloroform	ug/L	50	51.9	104	60-140	
Chloromethane	ug/L	50	54.4	109	60-140	
cis-1,2-Dichloroethene	ug/L	50	52.3	105	60-140	
cis-1,3-Dichloropropene	ug/L	50	45.5	91	60-140	
Dibromochloromethane	ug/L	50	48.8	98	60-140	
Dibromomethane	ug/L	50	53.4	107	60-140	
Dichlorodifluoromethane	ug/L	50	57.1	114	60-140	
Diisopropyl ether	ug/L	50	54.1	108	60-140	
Ethylbenzene	ug/L	50	55.2	110	60-140	
Hexachloro-1,3-butadiene	ug/L	50	53.8	108	60-140	
Isopropylbenzene (Cumene)	ug/L	50	60.7	121	60-140	
m&p-Xylene	ug/L	100	113	113	60-140	
Methyl-tert-butyl ether	ug/L	50	52.6	105	60-140	
Methylene Chloride	ug/L	50	52.0	104	60-140	
n-Butylbenzene	ug/L	50	55.6	111	60-140	
n-Propylbenzene	ug/L	50	58.4	117	60-140	
Naphthalene	ug/L	50	56.5	113	60-140	
o-Xylene	ug/L	50	58.7	117	60-140	
sec-Butylbenzene	ug/L	50	61.3	123	60-140	
Styrene	ug/L	50	52.1	104	60-140	
tert-Butylbenzene	ug/L	50	58.0	116	60-140	
Tetrachloroethene	ug/L	50	55.1	110	60-140	
Toluene	ug/L	50	56.5	113	60-140	
trans-1,2-Dichloroethene	ug/L	50	52.8	106	60-140	
trans-1,3-Dichloropropene	ug/L	50	44.8	90	60-140	
Trichloroethene	ug/L	50	56.4	113	60-140	
Trichlorofluoromethane	ug/L	50	52.2	104	60-140	
Vinyl chloride	ug/L	50	44.1	88	60-140	
1,2-Dichloroethane-d4 (S)	%			91	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			101	70-130	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

QC Batch: OEXT/23703 — Analysis Method: EPA 504.1
QC Batch Method: EPA 504.1 — Analysis Description: GCS 504 EDB DBCP
Associated Lab Samples: 92170624001, 92170624002, 92170624003

METHOD BLANK: 1039772 — Matrix: Water
Associated Lab Samples: 92170624001, 92170624002, 92170624003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	09/01/13 13:17	
1-Chloro-2-bromopropane (S)	%	110	70-130	09/01/13 13:17	

LABORATORY CONTROL SAMPLE & LCSD: 1039773 1039774

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.29	0.32	0.30	110	104	70-130	6	20	
1-Chloro-2-bromopropane (S)	%				112	109	70-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1039775 1039776

Parameter	Units	92170660004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	58.7	.28	.28	55.8	55.2	-1027	-1249	65-135	1	M3
1-Chloro-2-bromopropane (S)	%						96	130	70-130		

SAMPLE DUPLICATE: 1039777

Parameter	Units	92170660005 Result	Dup Result	RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	31.7	34.5	9	
1-Chloro-2-bromopropane (S)	%	0	0		S4

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

QC Batch: OEXT/23717
QC Batch Method: EPA 504.1
Analysis Method: EPA 504.1
Analysis Description: GCS 504 EDB DBCP
Associated Lab Samples: 92170624004

METHOD BLANK: 1040068
Matrix: Water
Associated Lab Samples: 92170624004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	09/03/13 15:53	
1-Chloro-2-bromopropane (S)	%	115	70-130	09/03/13 15:53	

LABORATORY CONTROL SAMPLE & LCSD: 1040069 1040070

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.28	0.32	0.33	114	116	70-130	2	20	
1-Chloro-2-bromopropane (S)	%				113	115	70-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1040071 1040072

Parameter	Units	92170624004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	.28	.28	0.32	0.33	114	116	65-135	2	
1-Chloro-2-bromopropane (S)	%						109	112	70-130		

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

QC Batch: OEXT/23712 Analysis Method: EPA 625
QC Batch Method: EPA 625 Analysis Description: 625 MSS
Associated Lab Samples: 92170624001, 92170624002, 92170624003, 92170624004

METHOD BLANK: 1039899 Matrix: Water
Associated Lab Samples: 92170624001, 92170624002, 92170624003, 92170624004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	09/03/13 21:36	
2,4,6-Trichlorophenol	ug/L	ND	10.0	09/03/13 21:36	
2,4-Dichlorophenol	ug/L	ND	5.0	09/03/13 21:36	
2,4-Dimethylphenol	ug/L	ND	10.0	09/03/13 21:36	
2,4-Dinitrophenol	ug/L	ND	50.0	09/03/13 21:36	
2,4-Dinitrotoluene	ug/L	ND	5.0	09/03/13 21:36	
2,6-Dinitrotoluene	ug/L	ND	5.0	09/03/13 21:36	
2-Chloronaphthalene	ug/L	ND	5.0	09/03/13 21:36	
2-Chlorophenol	ug/L	ND	5.0	09/03/13 21:36	
2-Nitrophenol	ug/L	ND	5.0	09/03/13 21:36	
3,3'-Dichlorobenzidine	ug/L	ND	25.0	09/03/13 21:36	
4,6-Dinitro-2-methylphenol	ug/L	ND	20.0	09/03/13 21:36	
4-Bromophenylphenyl ether	ug/L	ND	5.0	09/03/13 21:36	
4-Chloro-3-methylphenol	ug/L	ND	5.0	09/03/13 21:36	
4-Chlorophenylphenyl ether	ug/L	ND	5.0	09/03/13 21:36	
4-Nitrophenol	ug/L	ND	50.0	09/03/13 21:36	
Acenaphthene	ug/L	ND	5.0	09/03/13 21:36	
Acenaphthylene	ug/L	ND	5.0	09/03/13 21:36	
Anthracene	ug/L	ND	5.0	09/03/13 21:36	
Benzo(a)anthracene	ug/L	ND	5.0	09/03/13 21:36	
Benzo(a)pyrene	ug/L	ND	5.0	09/03/13 21:36	
Benzo(b)fluoranthene	ug/L	ND	5.0	09/03/13 21:36	
Benzo(g,h,i)perylene	ug/L	ND	5.0	09/03/13 21:36	
Benzo(k)fluoranthene	ug/L	ND	5.0	09/03/13 21:36	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	09/03/13 21:36	
bis(2-Chloroethyl) ether	ug/L	ND	5.0	09/03/13 21:36	
bis(2-Chloroisopropyl) ether	ug/L	ND	5.0	09/03/13 21:36	
bis(2-Ethylhexyl)phthalate	ug/L	ND	5.0	09/03/13 21:36	
Butylbenzylphthalate	ug/L	ND	5.0	09/03/13 21:36	
Chrysene	ug/L	ND	5.0	09/03/13 21:36	
Di-n-butylphthalate	ug/L	ND	5.0	09/03/13 21:36	
Di-n-octylphthalate	ug/L	ND	5.0	09/03/13 21:36	
Dibenz(a,h)anthracene	ug/L	ND	5.0	09/03/13 21:36	
Diethylphthalate	ug/L	ND	5.0	09/03/13 21:36	
Dimethylphthalate	ug/L	ND	5.0	09/03/13 21:36	
Fluoranthene	ug/L	ND	5.0	09/03/13 21:36	
Fluorene	ug/L	ND	5.0	09/03/13 21:36	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	09/03/13 21:36	
Hexachlorobenzene	ug/L	ND	5.0	09/03/13 21:36	
Hexachlorocyclopentadiene	ug/L	ND	10.0	09/03/13 21:36	
Hexachloroethane	ug/L	ND	5.0	09/03/13 21:36	
Indeno(1,2,3-cd)pyrene	ug/L	ND	5.0	09/03/13 21:36	
Isophorone	ug/L	ND	10.0	09/03/13 21:36	

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

METHOD BLANK: 1039899 Matrix: Water

Associated Lab Samples: 92170624001, 92170624002, 92170624003, 92170624004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
N-Nitroso-di-n-propylamine	ug/L	ND	5.0	09/03/13 21:36	
N-Nitrosodimethylamine	ug/L	ND	5.0	09/03/13 21:36	
N-Nitrosodiphenylamine	ug/L	ND	10.0	09/03/13 21:36	
Naphthalene	ug/L	ND	5.0	09/03/13 21:36	
Nitrobenzene	ug/L	ND	5.0	09/03/13 21:36	
Pentachlorophenol	ug/L	ND	25.0	09/03/13 21:36	
Phenanthrene	ug/L	ND	5.0	09/03/13 21:36	
Phenol	ug/L	ND	5.0	09/03/13 21:36	
Pyrene	ug/L	ND	5.0	09/03/13 21:36	
2,4,6-Tribromophenol (S)	%	59	10-137	09/03/13 21:36	
2-Fluorobiphenyl (S)	%	60	15-120	09/03/13 21:36	
2-Fluorophenol (S)	%	35	10-120	09/03/13 21:36	
Nitrobenzene-d5 (S)	%	60	10-120	09/03/13 21:36	
Phenol-d6 (S)	%	27	10-120	09/03/13 21:36	
Terphenyl-d14 (S)	%	72	11-131	09/03/13 21:36	

LABORATORY CONTROL SAMPLE & LCSD: 1039900 1039901

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	35.7	34.6	71	69	44-142	3	30	
2,4,6-Trichlorophenol	ug/L	50	34.9	33.3	70	67	37-144	4	30	
2,4-Dichlorophenol	ug/L	50	36.1	34.0	72	68	1-191	6	30	
2,4-Dimethylphenol	ug/L	50	38.4	35.5	77	71	32-119	8	30	
2,4-Dinitrophenol	ug/L	250	179	187	72	75	1-181	4	30	
2,4-Dinitrotoluene	ug/L	50	41.8	42.5	84	85	39-139	2	30	
2,6-Dinitrotoluene	ug/L	50	41.5	41.6	83	83	50-158	0	30	
2-Chloronaphthalene	ug/L	50	37.2	36.0	74	72	60-118	3	30	
2-Chlorophenol	ug/L	50	33.6	31.6	67	63	23-134	6	30	
2-Nitrophenol	ug/L	50	37.3	35.5	75	71	29-182	5	30	
3,3'-Dichlorobenzidine	ug/L	100	81.3	80.1	81	80	1-262	2	30	
4,6-Dinitro-2-methylphenol	ug/L	100	87.1	83.5	87	83	1-181	4	30	
4-Bromophenylphenyl ether	ug/L	50	33.4	31.0	67	62	53-127	7	30	
4-Chloro-3-methylphenol	ug/L	100	71.0	68.2	71	68	22-147	4	30	
4-Chlorophenylphenyl ether	ug/L	50	31.3	31.0	63	62	25-158	1	30	
4-Nitrophenol	ug/L	250	81.6	80.7	33	32	1-132	1	30	
Acenaphthene	ug/L	50	36.0	35.2	72	70	47-145	2	30	
Acenaphthylene	ug/L	50	36.7	35.8	73	72	33-145	2	30	
Anthracene	ug/L	50	41.3	38.8	83	78	1-166	6	30	
Benzo(a)anthracene	ug/L	50	41.6	38.7	83	77	33-143	7	30	
Benzo(a)pyrene	ug/L	50	43.8	40.7	88	81	17-163	7	30	
Benzo(b)fluoranthene	ug/L	50	40.8	37.2	82	74	24-159	9	30	
Benzo(g,h,i)perylene	ug/L	50	42.5	39.9	85	80	1-219	6	30	
Benzo(k)fluoranthene	ug/L	50	42.0	39.5	84	79	11-162	6	30	
bis(2-Chloroethoxy)methane	ug/L	50	28.9	27.8	58	56	33-184	4	30	
bis(2-Chloroethyl) ether	ug/L	50	32.7	30.2	65	60	12-158	8	30	

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

LABORATORY CONTROL SAMPLE & LCSD: 1039900 1039901

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
bis(2-Chloroisopropyl) ether	ug/L	50	25.2	23.2	50	46	36-166	8	30	
bis(2-Ethylhexyl)phthalate	ug/L	50	49.2	45.6	98	91	8-158	8	30	
Butylbenzylphthalate	ug/L	50	47.2	43.5	94	87	1-152	8	30	
Chrysene	ug/L	50	43.4	40.0	87	80	17-168	8	30	
Di-n-butylphthalate	ug/L	50	45.2	42.7	90	85	1-118	6	30	
Di-n-octylphthalate	ug/L	50	48.3	46.4	97	93	4-146	4	30	
Dibenz(a,h)anthracene	ug/L	50	42.1	40.2	84	80	1-227	5	30	
Diethylphthalate	ug/L	50	40.2	39.7	80	79	1-114	1	30	
Dimethylphthalate	ug/L	50	39.8	39.1	80	78	1-112	2	30	
Fluoranthene	ug/L	50	41.2	40.0	82	80	26-137	3	30	
Fluorene	ug/L	50	38.1	37.8	76	76	59-121	1	30	
Hexachloro-1,3-butadiene	ug/L	50	35.5	33.5	71	67	24-116	6	30	
Hexachlorobenzene	ug/L	50	41.7	38.9	83	78	1-152	7	30	
Hexachlorocyclopentadiene	ug/L	50	50.1	45.8	100	92	25-150	9	30	
Hexachloroethane	ug/L	50	35.3	34.3	71	69	40-113	3	30	
Indeno(1,2,3-cd)pyrene	ug/L	50	44.3	40.5	89	81	1-171	9	30	
Isophorone	ug/L	50	38.4	36.8	77	74	21-196	4	30	
N-Nitroso-di-n-propylamine	ug/L	50	35.1	30.5	70	61	1-230	14	30	
N-Nitrosodimethylamine	ug/L	50	21.8	21.2	44	42	25-150	3	30	
N-Nitrosodiphenylamine	ug/L	50	34.8	32.1	70	64	25-150	8	30	
Naphthalene	ug/L	50	34.4	32.8	69	66	21-133	5	30	
Nitrobenzene	ug/L	50	37.6	35.9	75	72	35-180	5	30	
Pentachlorophenol	ug/L	100	68.7	65.6	69	66	14-176	5	30	
Phenanthrene	ug/L	50	40.0	37.9	80	76	54-120	6	30	
Phenol	ug/L	50	19.4	17.1	39	34	5-112	13	30	
Pyrene	ug/L	50	42.7	38.0	85	76	52-115	12	30	
2,4,6-Tribromophenol (S)	%				76	80	10-137			
2-Fluorobiphenyl (S)	%				72	71	15-120			
2-Fluorophenol (S)	%				44	44	10-120			
Nitrobenzene-d5 (S)	%				73	74	10-120			
Phenol-d6 (S)	%				35	33	10-120			
Terphenyl-d14 (S)	%				76	62	11-131			

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

Pace Analytical®
www.pacelabs.com

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

QC Batch: OEXT/23718 — Analysis Method: MADEP EPH
QC Batch Method: MADEP EPH — Analysis Description: MADEP EPH NC Water
Associated Lab Samples: 92170624001, 92170624002, 92170624003, 92170624004

METHOD BLANK: 1040122 — Matrix: Water
Associated Lab Samples: 92170624001, 92170624002, 92170624003, 92170624004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aliphatic (C09-C18)	ug/L	ND	100	09/04/13 14:45	N2
Aliphatic (C19-C36)	ug/L	ND	100	09/04/13 14:45	N2
Aromatic (C11-C22)	ug/L	ND	100	09/04/13 14:45	N2
2-Bromonaphthalene (S)	%	113	40-140	09/04/13 14:45	
2-Fluorobiphenyl (S)	%	98	40-140	09/04/13 14:45	
Nonatriacontane (S)	%	77	40-140	09/04/13 14:45	
o-Terphenyl (S)	%	94	40-140	09/04/13 14:45	

LABORATORY CONTROL SAMPLE & LCSD: 1040123 1040124

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C09-C18)	ug/L	300	204	148	68	49	40-140	32	50	N2
Aliphatic (C19-C36)	ug/L	400	294	236	74	59	40-140	22	50	N2
Aromatic (C11-C22)	ug/L	850	603	490	71	58	40-140	21	50	N2
2-Bromonaphthalene (S)	%				93	87	40-140			
2-Fluorobiphenyl (S)	%				83	80	40-140			
Nonatriacontane (S)	%				91	83	40-140			
o-Terphenyl (S)	%				87	72	40-140			

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

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.

PRL - Pace Reporting Limit.

RL - Reporting 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.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

TNI - The NELAC Institute.

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N	Tentatively identified compound (TIC) based on mass spectral library search
N2	The lab does not hold TNI accreditation for this parameter.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Carrboro UST 2013-161
Pace Project No.: 92170624

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92170624001	**MW-1A**	EPA 504.1	OEXT/23703	EPA 504.1	GCSV/15447
92170624002	**MW-3**	EPA 504.1	OEXT/23703	EPA 504.1	GCSV/15447
92170624003	**MW-5A**	EPA 504.1	OEXT/23703	EPA 504.1	GCSV/15447
92170624004	**MW-6**	EPA 504.1	OEXT/23717	EPA 504.1	GCSV/15456
92170624001	**MW-1A**	MADEP EPH	OEXT/23718	MADEP EPH	GCSV/15467
92170624002	**MW-3**	MADEP EPH	OEXT/23718	MADEP EPH	GCSV/15467
92170624003	**MW-5A**	MADEP EPH	OEXT/23718	MADEP EPH	GCSV/15467
92170624004	**MW-6**	MADEP EPH	OEXT/23718	MADEP EPH	GCSV/15467
92170624001	**MW-1A**	MADEP VPH	GCV/7249		
92170624002	**MW-3**	MADEP VPH	GCV/7249		
92170624003	**MW-5A**	MADEP VPH	GCV/7249		
92170624004	**MW-6**	MADEP VPH	GCV/7249		
92170624001	**MW-1A**	SM 3030C	MPRP/14104	EPA 200.7	ICP/12833
92170624002	**MW-3**	SM 3030C	MPRP/14104	EPA 200.7	ICP/12833
92170624003	**MW-5A**	SM 3030C	MPRP/14104	EPA 200.7	ICP/12833
92170624004	**MW-6**	SM 3030C	MPRP/14104	EPA 200.7	ICP/12833
92170624001	**MW-1A**	EPA 625	OEXT/23712	EPA 625	MSSV/8155
92170624002	**MW-3**	EPA 625	OEXT/23712	EPA 625	MSSV/8155
92170624003	**MW-5A**	EPA 625	OEXT/23712	EPA 625	MSSV/8155
92170624004	**MW-6**	EPA 625	OEXT/23712	EPA 625	MSSV/8155
92170624001	**MW-1A**	SM 6200B	MSV/24119		
92170624002	**MW-3**	SM 6200B	MSV/24130		
92170624003	**MW-5A**	SM 6200B	MSV/24119		
92170624004	**MW-6**	SM 6200B	MSV/24119		
92170624005	**Trip Blank**	SM 6200B	MSV/24119		

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

Pace Analytical	Sample Condition Upon Receipt (SCUR) Document Number: F-CHR-CS-03-rev.11	Issuing Authority: Pace Huntersville Quality Office

Client Name: Pyramal

Where Received: ☐ Huntersville ☐ Asheville ☐ Eden ☐ Raleigh

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other_____

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

Optional
Proj. Due Date:
Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other_____

Thermometer Used: IR Gun T1102 T1301 **Type of Ice:** Wet Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor **T1102**: No Correction **T1301**: No Correction

Corrected Cooler Temp.: 3.8 **C** **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C

Date and Initials of person examining contents: MM 8/30

Comments:

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix:_____		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☑Yes ☐No	
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☐Yes ☐No ☐N/A	16. TB not marked on COC for Analysis
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased):_____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: JG **Date:** 8/31/13

SRF Review: JG **Date:** 8/31/13

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)

WO#: 92170624

92170624

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1707337

Section A Required Client Information:

Company: Pyramid Environmental
Address: P.O. Box 16265
Greensboro, NC 27416
Email To:
Phone: 336-335-3174 Fax:
Requested Due Date/TAT: 9/4/13 (AM)

Section B Required Project Information:

Report To: Mike Jones
Copy To:
Purchase Order No.:
Project Name: Carrboro UST
Project Number: 2013-161

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: Kevin Godwin
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☒ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: NC

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) 6200B	VPH	504.1 for EDB	625	EPH	3030C Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-1A	WT	G			8/29/13	1500		15	X		X	X					X	X	X	X	X	X		001
2	MW-3	↓	↓			↓	1401		↑	X		X	X					X	X	X	X	X	X		002
3	MW-5A						1430			X		X	X					X	X	X	X	X	X		003
4	MW-6						1330			X		X	X					X	X	X	X	X	X		004
5																									
6	Trip Blank																								005
7																									
8																									
9																									
10																									
11																									
12																									

92170624

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Alan McFadden	8/30/13	0900	[illegible]	8/30	0945				
	[illegible]	8/30/13	1350	Simone Pace	8/30	1350	3.8	y	n	y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Alan McFadden

SIGNATURE of SAMPLER: Alan McFadden DATE Signed (MM/DD/YY): 8/30/13

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

*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.

Appendix N