CSX/Vaughan Landfill and Bramlette Road MGP Sites

Remedial Action Plan Final Report

June 2003

Volume 1

DUKE ENERGY CORPORATION
6615 Craig Street
Charlotte, NC 28214-1706

704 382 4284
704 382 4108 fax

June 9, 2003

Mr. Mark C. Holder
CSXT Environmental Manager
CSX Real Property, Inc.
301 West Bay Street
Suite 800
Jacksonville, Florida 32202

Subject: Bramlette Road MGP Site Remediation Work Plan
Final Report

Dear Mr. Holder:

In accordance with the Environmental Access and Indemnification Agreement, Paragraph 4(k), between Duke Power and CSX Transportation; Duke Power is providing you with the attached Final Report documenting remedial activities conducted at the Bramlette Road MGP site.

If you have any questions, please contact me at 704-634-7098.

Sincerely,

Mark McGary, P.E.
Manager
Remediation Services Group
Energy Delivery Services, Inc.

For

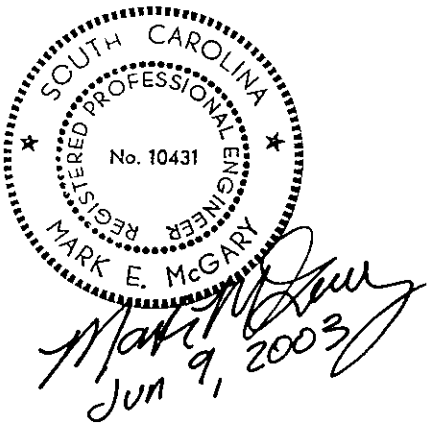
Ralph C. Roberts
Duke Energy

enclosures

cc w/o attachment: Ralph Roberts L. B. Somers

CSX/VAUGHN LANDFILL
AND
BRAMLETTE ROAD MGP SITES

REMEDIAL ACTION PLAN
FINAL REPORT



Prepared by:

SITE REMEDIATION SERVICES GROUP
DUKE ENERGY
ENERGY DELIVERY SERVICES

JUNE 2003

TABLE OF CONTENTS

Section

Tables

Figures

Appendices

CSX/VAUGHN LANDFILL
AND
BRAMLETTE ROAD MGP SITES

REMEDIAL ACTION PLAN
FINAL REPORT

1.0 Introduction

This Remedial Action Plan – Final Report describes and documents activities that were performed to remediate certain impacted soils and free tars located within the site of the former Bramlette Road manufactured gas plant (MGP) and along a drainage pathway leading from the site located north of Bramlette Road. This report also describes and documents remediation activities performed on properties immediately north and adjacent to the MGP site and otherwise known as the Suburban Propane property and the Northwest Area (that area immediately west of the Suburban Propane property). All site remediation activities were performed or were directly overseen by personnel employed with Duke Energy – Energy Delivery Services, Inc.

Previous reports and correspondences associated with remediation of the Bramlette Road MGP site are listed and summarized as follows:

Stormwater Management and Erosion Control Plan - Preliminary Site Clean-up Work; submitted to and approved by Greenville County Engineering Department, January 2000.

This plan described best management practices employed for pre-remediation site preparation activities.

CSX/Vaughn Landfill and Bramlette Road MGP Sites - Phase III Investigation and Site Assessment Report; June 2000.

This report documents the results of a 1999 Phase III Site Investigation of the Bramlette Road Manufactured Gas Plant and CSX/Vaughn Landfill sites, and also summarizes the results and conclusions of previously conducted site investigations beginning in 1995.

CSX/Vaughn Landfill and Bramlette Road MGP Sites - Remedial Action Plan; September 2000.

This plan established risk-based soil cleanup criteria and outlined the activities to be performed to remediate certain impacted soils and free tars located within the MGP site proper and along a drainage pathway leading from the site.

Stormwater Management and Erosion Control Plan; submitted to and approved by Greenville County Engineering Department, January 2001.

This plan described best management practices and controls employed for the management of stormwater and the minimization of sediment transport during site remediation.

Water Management Plan; submitted for approval to Ms. Jennifer Boynton, SCDHEC, February 22, 2001.

This plan described best management practices and controls to be employed for the management of stormwater, mobilized sediments, free tars, and potential petroleum sheens during site remediation.

Well Abandonment Notification letter, dated August 9, 2001; submitted to Ms. Jennifer Boynton, SCDHEC.

This letter provided notification for site monitoring wells MW7 through MW14, and MW17 abandoned in support of remediation activities.

Remediation Action Plan Site ID #00801 letter; dated August 21, 2001; submitted by Ms. Jennifer Boynton.

This letter assigned the stated Site ID #00801 to the Bramlette Road MGP site, and clarified that disposal of contaminated soils from the site was regulated by the SCDHEC Bureau of Land and Waste Management – Waste Assessment Section.

Suburban Propane Property and Northwest Area Investigation Report; July 2002.

This report documented results from an investigation conducted within these area to determine the extent, if any, of MGP related impacts beyond the northern MGP boundary proper. The area was investigated by excavation of test trenches and collection of sidewall soil samples.

Ambient Soil Arsenic Data letter; submitted to Mr. Steve Burdick, SCDHEC, July 22, 2002.

Documented the results of laboratory analyses on ambient arsenic levels in soils within and immediately surrounding the MGP site boundary.

2.0 Site Description

The Bramlette Road MGP site is located in the community of City View in Greenville County, South Carolina as indicated on Figures 1 and 2. The site lies just outside of the Greenville City limits. The MGP site proper covers 3.69 acres and is located at 400 South Bramlette Road in the western quadrant of the intersection of Bramlette Road and West Washington Street. The site was vacant prior to the initiation of remediation activities. Access to the site was, and currently remains, restricted by perimeter fencing. Lockable access gates are located near the southern corner of the site along Bramlette Road and along West Washington Street.

The Bramlette Road MGP site is owned by CSX Transportation and has been investigated along with the adjacent CSX/Vaughn Landfill site. The Landfill site covers approximately 7 acres and is located approximately 800 feet west of this intersection across and south of Bramlette Road. Both the Bramlette Road MGP and the CSX/Vaughn Landfill sites are owned by CSX Transportation (CSXT). The two sites are part of more extensive CSXT property holdings in the Bramlette Road area that total approximately 40 acres and contain rail lines, an office for crew transfers and scheduling activities, and an asphalt transfer station. The asphalt transfer station lies immediately west and adjacent to the MGP site. The CSXT holdings also include tracts immediately north and adjacent to the MGP site and referred to herein as the Suburban Propane property and the Northwest Area property. The majority of these properties lie within the floodplain of the Reedy River located to the west. Land use immediately east of

the MGP and Landfill sites is primarily residential with the exception of the property located in the southern quadrant of the intersection of Bramlette Road and West Washington Street. This property contains a school building and is owned by the Greenville County School District.

3.0 Site History

The Bramlette Road MGP site was originally developed as a manufactured gas plant by Southern Public Utilities in 1917. The Bramlette Road plant was constructed as a replacement for an existing gas plant located at Broad Street in Greenville; and was a larger plant that produced gas using the more economical coal gas process. The site eventually contained a retort house, three gas holders, a water gas plant, tar and ammonia washer tanks, purifiers, a tar extractor and holder, and an underground heating oil tank. Locations of historical site structures are indicated on Figure 3.

Gas plant ownership and operation transferred to Duke Power Company in 1935. Piedmont Natural Gas Company purchased the site in 1951 and subsequently demolished the gas plant sometime in the late 1950s. Site ownership transferred to Piedmont and Northern Railway in 1963. Piedmont and Northern Railway became part of Seaboard Coast Line (CSX) in 1967. The site was used as a trucking facility in the 1970s and 1980s.

The CSX/Vaughn Landfill site is located within the eastern bank floodplain of the Reedy River. The site was developed as an unpermitted landfill by Mr. Robert Vaughn of Vaughn Construction and Demolition Company in Greenville. Mr. Vaughn attempted to purchase approximately 16 acres from CSXT in 1988 for the purpose of constructing a solid waste landfill. Following payment of a deposit, Mr. Vaughn began unpermitted landfilling activities on the property. The property transfer was never finalized, however, Mr. Vaughn continued to operate the landfill. The South Carolina Department of Health and Environmental Control (SCDHEC) advised Mr. Vaughn in 1993 that his landfilling activities were improper. In February of 1994, the U.S. Army Corps of Engineers (ACE) notified CSXT that the property on which the landfill is located is considered a wetlands, and the landfilling operation was a violation of

Section 301 of the Clean Water Act. Following notification by the ACE, CSXT ordered Mr. Vaughn to cease landfilling activities and the site was closed.

4.0 Summary of Site Investigations

Three primary investigations of the CSX/Vaughn Landfill and Bramlette Road MGP sites have been performed. A Phase I investigation was conducted in early 1995 at the CSX/Vaughn Landfill site by Applied Engineering and Science (AES) of Atlanta, Georgia. This investigation included soil, sediment, surface water and groundwater sampling across and around the Landfill. The results of this investigation were documented in an AES report entitled "Site investigation; Soil, Sediment, and Groundwater Sampling; Vaughn Landfill, CSX Real Property; March 1995".

A Phase II investigation was conducted by AES in 1996. This investigation included the installation of 8 monitoring wells to assess groundwater quality at both the MGP site and the Landfill site; and soil sampling at the MGP site to assess the extent of coal tar. This investigation also included a biological survey conducted in the wetlands area surrounding the Landfill site, and included a site characterization and contaminant pathway/exposure evaluation. The results of this investigation were documented in an AES report entitled "Site Investigation Phase II, Vaughn Landfill/Duke Power Sites, CSXT Real Properties, Bramlette Road, Greenville, South Carolina, September 1996".

A Phase III investigation was conducted by Duke Power Company in 1999. The Phase III investigation included the installation of 18 additional groundwater monitoring wells within both the MGP site and the Landfill site. The Phase III report summarized the findings of the two previous AES investigations, provided additional characterization of soils and groundwater, and documented the results of additional biological assessments in the wetlands area surrounding the landfill. This report also provided a characterization of risks to human health from potential exposure to soil and groundwater contaminants associated with the MGP site.

Chemical constituents of interest typically associated with MGP residuals include polycyclic aromatic hydrocarbon (PAH) compounds, naphthalene, volatile organic compounds (VOCs), phenols, cyanides, and various other inorganics. The quantity and makeup of these constituents found at a specific MGP site is dependent on several factors including the age of the site, the geologic setting of the site, the gas manufacturing process utilized, the amount of by-product recovered during plant operation, waste disposal practices employed during operation, and the manner in which the site was demolished.

Investigation efforts have verified the presence of typical MGP residuals in soils and groundwater within the MGP site, and along surface migration pathways leading from site. All aforementioned investigation results are summarized and documented in the June 2000 CSX/Vaughn Landfill and Bramlette Road MGP Sites - Phase III Investigation and Site Assessment Report. Additional investigations within the Suburban Propane Property and the Northwest Area are documented in the aforementioned Suburban Propane Property and Northwest Area Investigation Report; July 2002.

5.0 Remedial Action Plan Summary

The overall objective of remedial action proposed for the Bramlette Road MGP site was to minimize present risks to human health with regards to persons accessing the site; and to transform the property into an acceptable condition that is suitable for future commercial or industrial development. The specific objectives of remedial actions proposed were to:

a. Cleanup near-surface soils within the MGP site proper and along the ditch leading from the site (parallel to Bramlette Road) that represent the greatest present risk to human health;

b. Reduce the amount of source material contributing to groundwater contamination;

c. Remove free tars contained within the masonry tar wells on-site.

As discussed in the June 2000 Phase III Investigation and Site Assessment Report, the greatest present risk associated with contaminants at the MGP site involves ingestion of carcinogenic PAH compounds adsorbed onto near-surface soils. Site trespassers, defined as individuals (particularly children) that could potentially access the site and come in direct contact with near-surface soils, were assumed to be the population most at risk. Consequently, remediation activities were focused primarily on the reduction of this present risk by the cleanup of these soils within the MGP site and along the ditch parallel to Bramlette Road as indicated on Figure 4. Near-surface soils were defined as being located within the top 3 feet of the existing ground surface. Considering the proximity of the site to nearby residential properties, cleanup concentrations were based on exposures to near-surface soils in a residential setting. EPA Region III guidelines were used to establish a risk-based cleanup criteria for near-surface soils at the MGP site as documented in the September 2000 CSX/Vaughn Landfill and Bramlette Road MGP Sites - Remedial Action Plan. Cleanup target concentrations were based on exposure to carcinogenic PAHs adsorbed onto near-surface soils, with direct ingestion of contaminated soil as the primary controlling exposure pathway. As the most potent carcinogenic PAH, benzo(a)pyrene was used as the surrogate carcinogen. The EPA Region III allowable risk-based soil concentration of benzo(a)pyrene based on ingestion of soil in a residential setting was 0.087 mg/kg. Target soil cleanup concentrations from the Remedial Action Plan are summarized in the following table:

Target Cleanup Concentrations [mg/kg]		
Total Carcinogenic PAHs as B(a)P	Total Carcinogenic PAHs	Total PAHs
0.087	0.319	0.9

To establish a non-compound specific cleanup concentration for total carcinogenic PAHs and for total PAHs, a statistical evaluation was performed on soil samples from the MGP site. The evaluation included only data from samples that indicated PAH contamination above method detection limits. Samples indicating no detectable PAHs were omitted from the evaluation. Total concentrations of PAHs, carcinogenic PAHs, and carcinogenic PAHs as benzo(a)pyrene were calculated. Non-detected compounds were included in total sums at one-half the method detection limit. A total carcinogenic PAHs as benzo(a)pyrene concentration was calculated by

factoring the concentration of each individual carcinogenic PAH compound by it's associated B(a)P equivalent potency factor.

Average and upper confidence level ratios of total carcinogenic PAHs as B(a)P to total carcinogenic PAHs were determined. Average and upper confidence level ratios of total carcinogenic PAHs as B(a)P to total PAHs were also determined. Target cleanup concentrations for total carcinogenic PAHs and for total PAHs were determined by factoring the allowable concentration of benzo(a)pyrene (0.087 mg/kg) by the calculated ratios. Target cleanup concentrations for near-surface soils shown in the table above were determined using the 95% upper confidence level ratio.

Site remediation was accomplished by the excavation, screening, and off-site treatment of near-surface (upper 3 feet) soils that exceeded the specified cleanup concentration. Excavated areas were backfilled with treated soil meeting the specified cleanup criteria, and/or with virgin clean material obtained from off-site sources. No remediation was planned for soils located below 3 feet deep, although deeper excavation was actually performed in several areas of the site.

The remedial action plan did not include remediation of groundwater at the MGP site or at the CSX/Vaughn Landfill site as outlined in the Remedial Action Plan. Groundwater at the MGP site has become contaminated from the percolation of rainwater through contaminated near-surface soils, and from direct contact with deeper contaminated soils. Cleanup of near-surface soils served to reduce a source of continuing groundwater contamination. Contaminated soils, sediments and groundwater are pervasive within the CSX/Vaughn Landfill site located downgradient from the MGP site. Efforts to remediate groundwater within the MGP site would be counterproductive as this same groundwater would become recontaminated upon migration into the Landfill site. Excavation and removal of contaminated soils and sediments within the CSX/Vaughn Landfill site would likely result in severe damage, if not complete destruction, to the wetland environment. Biological assessments have indicated that the presence of MGP constituents in soils and sediments within the wetlands has no adverse impact to the flora and fauna. Sampling results have suggested that natural attenuation processes may be acting to contain groundwater contaminants within CSX property boundaries.

6.0 Stormwater Management and Erosion Control

Installation of Greenville County and SCDHEC approved stormwater management and erosion control features and practices (Figure 5) was performed prior to the initiation of land disturbing activities. The primary focus at the Bramlette Road MGP site was the protection of wetland areas immediately south and downgradient of the remediation work area. The issues of concern relating to water management were:

a. Preventing off-site stormwater runoff from entering the remediation work area.

b. Controlling off-site deposition of potentially contaminated sediments generated from within the site during remediation activities. The primary constituents of concern were carcinogenic PAH compounds (typically those PAH compounds having molecular weights above 228 g/mole, solubilities less than .014 mg/l, and octanol-water partition coefficients, Kow, greater than 4E+05) that readily adsorb and are bound within a soil matrix. Sediments generated by stormwater runoff across a disturbed area of contaminated soil would be expected to contain various concentrations of these carcinogenic PAH compounds.

c. Preventing off-site migration of surface waters containing a "sheen" caused by the contact of water with soils containing lighter-weight volatile and semi-volatile organic compounds.

Stormwater management and erosion control practices and methods employed at the site to accomplish these objectives included the following:

1. Upland stormwater runoff entering the site from West Washington Street was intercepted by a polyethylene pipe and routed through and around the remediation work area and. The pipe routed runoff into a water collection pit located near the entrance to the 24 inch diameter culvert beneath Bramlette Road. This pipe was left in place at the site.

2. A temporary sediment trap was installed on the western side of the site to collect stormwater runoff from disturbed areas within the MGP site boundary proper. This trap was designed in accordance with SCDHEC Bureau of Water guidelines to retain sediment laden runoff and provide for the settling out of suspended sediments at an 80% minimum trapping efficiency. For sheen control, an oil-absorbent mini-boom was maintained across the face of the discharge weir. All stormwater runoff and standing water from within the site was directed into this trap. Stormwater discharging from the basin was directed down the natural ditch line along Bramlette Road.

3. A water collection pit was constructed within the existing ditch and near the 24 inch culvert inlet beneath Bramlette Road. This pit served as a designated collection point for water discharging from the sediment basin, water discharging from the diversion pipe, and to facilitate drainage of existing standing water along the ditch. A gravel horseshoe was installed around the inlet of the 24 inch diameter culvert to minimize sediment transport into the wetlands area south of Bramlette Road. For sheen control, an absorbent mini-boom was placed around the culvert inlet. Collected water was pumped from the water collection pit through the culvert and into sediment collection bags placed on the south side of Bramlette Road. Absorbent mini-booms were maintained around the sediment bags. The pump inlet hose was maintained at least 6 inches below the water surface to minimize the transfer of any sheen, and was maintained well above the bottom of the pit to minimize the intake of sediments collecting in the pit bottom.

4. Truck traffic through the site was restricted to clean areas maintained with washed surge stone.

5. Permanent vegetation was established across all disturbed areas of the site following site remediation and backfill operations.

7.0 Remedial Excavation and Verification Sampling

Site remediation activities began in April 2000 with preliminary site cleanup and preparation work. This initial phase of preparation work extended through June 2000 and involved the

removal of surface and backfilled trash and debris consisting of broken concrete, metal, bricks, block, ceiling tiles, old tanks, reinforcing rods, etc. This initial work also included cutting and removing trees, brush, shrubs, and other vegetation. During this initial work, 227 truck loads of debris totaling 5073.48 tons was removed from the site and disposed of at the Waste Management - Palmetto Landfill Facility in Wellford, South Carolina. A debris shipment summary is provided in Table 1.

Remedial excavation and backfilling activities began in earnest in July 2001 and extended through December 2002. Due to their locations within or near to designated excavation areas, groundwater monitoring wells MW7 through MW14, and MW17, were abandoned prior to initiation of excavation activities. Wells were abandoned in accordance with applicable SCDHEC requirements as documented in Appendix F. Monitoring wells MW15 and MW16, located in the extreme western corner of the site, were left in place. Other activities completed prior to excavation activities included, a) installation of stormwater management and erosion control practices and measures described in Section 6.0, b) installation of visual denial fencing on existing perimeter fencing, c) improvement to the 2 existing access gates on Bramlette Road and West Washington Street, d) construction of a washed surge stone access road through the site connecting the 2 access gates, e) mobilization of temporary office trailers and equipment trailers into the southern corner of the site, f) temporary removal of perimeter fencing along the site western boundary, and g) establishment of exclusion zones for contaminated work area isolation and access control.

Following investigation activities conducted within the Suburban Propane property and the northwest area in July 2002 (Appendix G), the Suburban Propane property was included within the overall scope of remedial excavation activities under the auspices of the previously approved work plan. Analytical results obtained during this investigation are summarized in Tables 7 and 8 and in Appendix G (samples 57SW, 58B, 59SW, 60B, 61SW, 62B, 63SW and 64B). Additional shallow trench samples 90SW through 94SW were also collected within the Suburban Propane property during remedial excavation activities. Analytical results from these samples are also summarized in Tables 7 and 8.

Remedial excavation was performed across approximately 3.8 total acres. As indicated on Figure 7, approximately 1.4 acres of the site were excavated to depths ranging from 3 to less than 6 feet, while the remaining 2.4 acres of the site were excavated to depths ranging from 6 to 12 feet. Excavation depths were typically extended beyond the 3 feet target depth to remove additional and obvious source material that would serve to facilitate the future natural attenuation of groundwater contaminants. In many areas of the site, contaminated soil was not encountered until at least 3 feet of landfilled overburden material had been removed. In areas of deeper excavations, material removal was typically terminated after encounter with an underlying grayish cohesive clay material.

Excavations were extended laterally across the site until analytical results indicated that cleanup target concentration levels had been reached, or until physical boundaries prevented further excavation. Excavation was constrained by the property boundary along Bramlette Road and West Washington Street to the south and east, respectively. Massive quantities of previously landfilled debris constrained further excavations in the western corner of the site and north of the ditch along Bramlette Road. Excavation extended northerly past the MGP site boundary proper approximately 50 feet into the Suburban Propane property. Further excavation into this area was not warranted as indicated by field verification sampling results, investigation results, and additional shallow trench samples collected and discussed herein.

Field verification samples were collected in excavation side walls (SW designation) and from the bottom of excavations (B designation) at various locations around the site as indicated on Figure 7. Samples were collected at least every 200 feet of sidewall length at a depth of 1 to 2 feet below the ground surface. Laboratory samples were submitted for analyses of volatile organics and semi-volatile organics by EPA Methods 8260 and 8270, respectively. Laboratory samples were analyzed by Duke Energy Laboratory Services (SC Certification 99005) or by Pace Analytical Services, Inc (SC Certification 99006). Analytical results from all soil samples collected during remedial excavation activities are summarized in Tables 7 and 8 and provided in Appendix A. Considering that the vertical extent of remedial excavation had been predetermined (surface to 3 feet minimum), bottom samples were collected for information purposes only to document contaminant levels remaining at the site. Sidewall samples were collected to verify that the lateral extent of remedial excavations was adequate in removing all

near-surface MGP material exhibiting contaminant concentrations above target levels. In total, 61 side wall samples and 28 bottom samples were collected.

As indicated in Table 8, 21 out of a total 61 side wall samples (34%) reflected Carcinogenic PAH concentrations above site cleanup target levels. **All** of these samples were collected from sidewalls where physical boundaries (streets or landfilled debris) prevented further excavation. Analytical results from samples 25SW, 26SW, 32SW in the eastern corner of the site indicated that the lateral extent of remedial excavations was adequate in this area. Petroleum contaminated soils uncharacteristic of typical MGP related contamination were encountered in the Suburban Propane property as indicated by the shaded area on Figure 7. Site verification sidewall samples 95SW through 97SW, 99SW and 100SW (Table 8) confirmed that MGP related target contaminant levels were not exceeded in soils beyond this area. Additional shallow exploratory trench samples 90SW through 94SW were collected further within the Suburban Propane property as indicated on Figure 7. Analytical results from these samples (Table 8) confirmed that MGP related contaminants were not present.

In general, contaminated soils and debris were excavated and briefly stockpiled immediately adjacent to the excavation. Stockpiled soils were then transported to a Read Screen-All RD150B fitted with 3 inch mesh for screening. Soil material passing the screen was stockpiled for subsequent transport to the thermal treatment facility. Screen rejects were stockpiled separately for subsequent transport to the landfill disposal facility. Stockpiles were covered by 10 mil HDPE poly when not being worked. Most excavation work at the site was performed using a Link-Belt 3400 trackhoe. All material transfer and handling was performed using a Cat 970 rubber-tire loader, a Cat 950 ribber-tire loader, and a Cat 953 track-loader. Equipment used for excavation and handling of contaminated materials was maintained within the designated contaminated exclusion zone at all times. Clean equipment such as bulldozers used for the placement of clean backfill, personnel vehicles, and trucks were restricted to designated "clean" areas. Trucks being loaded with contaminated materials were routed into a controlled clean loading zone lined with 10 mil HDPE poly adjacent to the exclusion zone. Material was loaded using a Cat 970 rubber-tire loader operating just inside the exclusion zone boundary. Any spilled material was collected on the 10 mil HDPE poly and returned to the exclusion zone by hand shoveling. All trucks used for hauling were in good working condition

with no holes or perforations in the beds. All loaded trucks were securely covered to prevent spillage and dust en route.

Some material removed from some lower elevation areas of the site was of an extremely wet consistency. This material was typically encountered near the center of the site and along the ditch parallel to Bramlette Road. Some of these materials were blended with post-treatment soils that had been returned to the site to render them easier to handle for normal screening and stockpiling. Wet materials containing large quantities of debris were often transported directly to the landfill disposal facility without screening. Certain large pieces of excavated debris as well as debris resulting from the demolishing of masonry structures on-site were stockpiled without screening. This type of debris typically consisted of large concrete fragments from holder slabs, railroad trestle supports, and other structures.

Free tars were encountered and removed from both known surface tar well, and a previously unknown subsurface tar tank, as indicated on Figure 7. The tar well, identified during previously site assessments, measured approximately 17 feet wide, 40 feet long, and 14 feet deep, and was constructed with several separate chambers. Approximately 350 cubic yards of tar mixed with bricks and other debris was removed from this structure. An additional approximately 2500 gallons of free liquid tar was encountered and removed from a previously unknown 4.5 feet diameter by 24.5 feet long underground steel tar tank located in the southern area of the site. In both cases, removed tars were blended with less contaminated soil to render a consistency more suitable for handling, screening, transport, and thermal treatment.

In total, 61,088 tons of contaminated soil and debris was excavated, screened and shipped from the Bramlette Road MGP Site. Of this material, 1,300 truck loads consisting of approximately 27,144 tons of screen rejects and other debris was shipped to the Waste Management - Palmetto Landfill Facility in Wellford, South Carolina for disposal as summarized in Table 2. This reject material typically consisted of soil mixed with brick, block, broken concrete, broken pipe, steel track, and timbers. As summarized in Table 3, the remaining approximately 33,944 tons of screened contaminated soil material was transported in 1,655 truck loads to the Southeastern Soil Recovery (SSR) Facility in Laurens County, South Carolina for thermal treatment. All material was transported in accordance with DOT regulations. Weigh

scales at the SSR facility and at the Palmetto Landfill Facility were used to document shipping tonnages. Manifests were completed for each load shipped, and copies of typical transportation manifests are included in Appendix D. Due to their voluminous nature, copies of all manifests are not included as part of this report but are available upon request.

Odors were continuously monitored by on-site remediation personnel. Odors were controlled by the application of an odor suppression foam applied to stockpiles and open excavations as needed. The odor suppression foam used is a biodegradable, non-toxic, non-hazardous, non-flammable mixture that forms a flexible membrane over the soil surface resulting in a seal that minimizes volatile emissions. The foam does not inhibit subsequent thermal treatment of the soil, and has been used successfully at several other MGP site cleanups.

Water sprays were used to suppress dust emanating from heavy equipment and truck traffic across backfilled areas and access roads. Due to their tarry nature and usually high moisture content, coal tar contaminated soils were not a significant source of dust emissions from the site.

8.0 Soil Treatment and Verification Sampling

As previously discussed in Section 7.0 and summarized in Table 3, approximately 33,944 tons of screened contaminated soil material was transported in 1,655 truck loads to the Southeastern Soil Recovery (SSR) Facility in Laurens County, South Carolina for thermal treatment. Upon arrival at the facility, the material was weighed, screened and stockpiled for subsequent treatment. Treated material was stockpiled and sampled for verification of successful treatment to SCDHEC acceptable standards. For soils being treated and returned to the Bramlette Road MGP site, those standards were established to meet EPA Region 9 PRG limits based on exposure to soils in a residential setting. Verification samples for volatile and semi-volatile organics were collected for every 500 tons of material processed. Sampling and analytical results are summarized in Table 9 and provided in Appendix B. Initially, samples were analyzed in accordance with standard EPA Methods 8260 and 8270. Beginning with sample C15, the analytical method for semi-volatiles was changed to Method 8270C to attain

detection limits at or below the treatment target concentration for benzo(a)pyrene and dibenz(a,h)anthracene.

As indicated in Table 9, thermal treatment was successful in meeting the specified target concentrations for all volatile and semi-volatile organics with the exception of a single minor exceedance for Sample C18. Sample C18 analytical results indicated a benzo(a)pyrene concentration of 64 ppb, or 2 ppb above the target concentration. In this case, SSR was granted a one-time exemption by SCDHEC, and the return to Bramlette Road MGP site of material represented by C18 was allowed to proceed.

In total, approximately 33,926 tons of treated material from the SSR facility was returned to the Bramlette Road MGP site for use as backfill as summarized in Table 5. Approximately 607 tons of rejects from the SSR facility screening operation were transported to the Palmetto landfill facility for disposal as summarized in Table 6.

9.0 Remaining Contaminant Levels

Some degree of MGP related BTEX and PAH soil contamination remains at the Bramlette Road MGP Site as indicated in Tables 11 and 12, and as shown on Figures 8, 9 and 10.

BTEX contaminated material remaining at the site is summarized in Table 11 and is indicated on Figure 8. Sixteen sidewall samples and 7 bottom samples indicated various combinations of detectable BTEX compounds. Benzene was detected at 9 sampling locations, and at a maximum concentration of 27 ppm. Ethylbenzene was detected at 14 sampling locations, and at a maximum concentration of 2.7 ppm. Xylenes were detected at 18 and 16 locations for m-p-xylene and o-xylene, respectively. The maximum concentration detected was 43 ppm for m-p-xylene. Toluene was detected at 12 locations, at a maximum concentration of 42 ppm. All maximum BTEX concentrations were indicated in bottom sample 23B located between the tar well area and the location of a subsurface tar tank discovered during site excavation. BTEX compounds detected in Suburban Propane property samples 94SW, 95SW, 96SW, 99SW and 100SW are likely indicative of petroleum related contamination encountered in soils within this

area. High BTEX concentrations (above 1 ppm) were indicated at locations 6SWD, 49SW, 63SW, 100SW, 102SW, and 23B.

PAH contamination remaining at the site is summarized in Table 12 and is indicated on Figures 9 and 10. Twenty-one side wall samples and 6 bottom samples indicated detectable concentrations of PAH compounds. Benzo(a)pyrene was detected at a maximum concentration of 180 ppm in sidewall sample 46SW located at the site boundary along Bramlette Road. The maximum total carcinogenic PAHs as benzo(a)pyrene concentration (234.4 ppm), the maximum total carcinogenic PAH concentration (827 ppm), and the maximum total PAH concentration (1,440.4 ppm) were also indicated at this location. Higher benzo(a)pyrene concentrations may be present in sidewall sample 102SW suggested by the high laboratory detection limits indicated in Table 8. Further lateral excavation was constrained by significant quantities of landfill material in this area of the site. Several other PAH compounds were indicated at relatively high concentrations in sample 102SW, including naphthalene at 1400 ppm. Maximum bottom sample PAH concentrations were indicated in sample 23B as indicated in Table 12.

10.0 Site Restoration

Following remedial excavation, the Bramlette Road MGP site was backfilled with a combination of treated material from the SSR facility and from virgin backfill obtained from local sources. As previously stated, approximately 33,926 tons of treated material from the SSR facility was returned to the Bramlette Road MGP site for use as backfill. An additional 38,112 tons of virgin soil was delivered to the site from 4 separate local borrow pits as summarized in Table 4. These materials were placed and compacted using decontaminated equipment available on-site. Verification samples were collected from 3 of the local source borrow pits designated as the "hospital" site, the "Pelham Road" site, and the "Mauldin Road" site. These samples were submitted for volatile and semi-volatile organic analyses by EPA Methods 8260 and 8270, respectively; and for TCLP RCRA metals analyses. Analytical results are summarized in Table 10 and provided in Appendix C. The results indicated no detectable concentrations of organic compounds, and no TCLP metal concentrations in exceedance of regulatory limits.

The site was returned to a final grade approximately equivalent to the pre-remediation grade as is indicated on Figure 9. The stormwater diversion pipe shown on Figure 5 was left in place as a permanent improvement to intercept off-site runoff, and minor changes to the pre-remediation grade were made to improve overall site drainage and to provide adequate cover to the diversion pipe. All disturbed areas were stabilized with permanent vegetation as stipulated in the Erosion Control Plan. Fencing was replaced and security gates were left in place as shown on Figure 9. In addition, the primary access road constructed between the 2 access gates and consisting of clean surge stone was left in place as a means of stable travel and access into the site.

11.0 Health & Safety

A site-specific Health & Safety Plan (HASP) was prepared for remediation activities at the Bramlette Road MGP site as documented and provided in Appendix B of the CSX/Vaughn Landfill and Bramlette Road MGP Sites - Remedial Action Plan; September 2000. Duke Energy – Energy Delivery Services, Inc. maintained a designated Health & Safety Officer full-time at the site during all phases of the work, and all on-site personnel were HAZWOPER 40-hour certified. The HASP Officer was responsible for site personnel adherence to the HASP, collection, monitoring and documentation of airborne contaminants, excavation and heavy equipment safety, site security and access control, dust and odor monitoring, and exclusion zone monitoring.

As part of the HASP, an air monitoring program was conducted at the site to measure concentrations of airborne constituents of interest associated with remediation activities (excavation, screening, truck loading, etc.). The program consisted of both real-time screening and constituent-specific sampling. The program also included the installation of a weather data collection system at the site. This system provided continuous recording of wind direction, speed, rainfall, and air temperatures. Specifics of the air monitoring were provided in Appendix C of the CSX/Vaughn Landfill and Bramlette Road MGP Sites - Remedial Action Plan; September 2000. Air sampling was conducted beginning July 24, 2001 and extending through October 23, 2002. Constituent-specific samples were analyzed for volatile organics (BTEX)

and semi-volatile organics (PAHs) in accordance with OSHA Methods 7 and 58, respectively. A limited number of samples were analyzed for dust concentrations in accordance with NIOSH method 500. Prior to the initiation of remedial excavation work, ambient air samples were obtained from 4 locations around the perimeter of the site as indicated on Figure 7. These samples were collected to document baseline air concentrations of the constituents of interest. Analytical results from this ambient sampling indicated no organic compounds above method detection limits.

During site remediation activities, air samples were collected from 2 perimeter locations along Bramlette Road and West Washington Street as indicated on Figure 7. These locations were chosen based on predominant wind directions and the proximity of potentially affected public facilities and residential properties. Air samples were collected each day that contaminated materials were being excavated, screened, handled or loaded into trucks.

Samples were collected using low-flow sampling pumps. Pumps were pre-calibrated each morning and post-calibrated at the end of each day. BTEX sampling pumps were calibrated using a .05 liter/minute flow rate, and PAH pumps were calibrated using a 2 liter/minute flow rate. Air volumes were calculated at the end of each day.

Throughout the life of the Bramlette Road MGP project, no BTEX or PAH compounds were detected in any perimeter air samples with the exception of a single event on October 2, 2001. On this day, tar well materials were being excavated and blended, and strong odors were present. Air sampling results from this day indicated a benzene concentration of 4 ppm. In this one instance, work was halted at mid-day and odor suppression foam was used.

Real-time monitoring was performed at both perimeter sampling locations and in various areas of the site as determined by particular remedial activities, odors, wind direction, or other concerns. Toxi Rae PID monitors with 10.2 eV bulbs were used to monitor concentrations of volatile organics. The PIDs were calibrated daily using a 100 ppm isobutylene standard. An MIE Mini-Ram Aerosol Meter Model PDM-3 was used to monitor dust concentrations. Real-time monitoring performed at the site indicated no exceedences of HASP specified TLV and STEL limits.

All real-time readings were documented on standard industrial hygiene records. All air sampling results were entered into the Duke Energy Medgate IH database. Overall, 334 air samples were collected and submitted for both OSHA 7 and OSHA 59 analyses, and an additional 24 samples were submitted for analysis of dust concentrations using NIOSH 500. Due to the voluminous nature of this data, actual laboratory results are not provided but are available upon request.

12.0 Ambient Soil Metals Investigation

During the treatment by SSR of contaminated soils from the Bramlette MGP Site and the subsequent return of these soils to the site, concerns were raised by SCDHEC regarding metal concentrations in the treated soil. Metals data collected from post-treatment soils at the SSR facility indicated all metal concentrations below EPA Region 9 Residential Soil PRG concentrations with the exception of the carcinogenic endpoint target concentration for arsenic (0.39 ppm). Consequently, Duke Energy obtained soil samples from both within and outside of the Bramlette Road MGP Site to assess background concentrations of this naturally occurring element. Samples were obtained at depths of 1' from 2 locations as indicated on Figure 7. Samples were collected within the MGP site boundary in an area not targeted for remedial excavation, and were also collected from outside of the site in a grassed area across West Washington Street. Analytical results for both background locations (1.18 ppm and 1.46 ppm, respectively) exceeded the carcinogenic endpoint target concentration of 0.39 ppm. Documentation and analytical data is provided in Appendix E.

13.0 Groundwater

Groundwater remediation was not included within the scope of remediation activities undertaken at the CSX Vaughn Landfill - Bramlette Road MGP Site. However, considering the extent and magnitude of the remedial excavations performed within the MGP site, some enhancement of groundwater conditions through source removal should be expected.

Groundwater contaminant levels are currently being monitored and reported to SCDHEC - Groundwater Quality Section on a semi-annual basis.

14.0 Conclusions

Remedial excavations performed at the Bramlette Road MGP site resulted in the removal of 61,088 tons of contaminated soil and debris. These remedial measures were successful in the removal of those near-surface contaminated materials that represented the most significant contamination at the site with regards to present risks to human health. In addition, a significant quantity of additional contaminated material was removed from depths below the surface to 3 feet target depth range. The removal of these deeper materials, in addition to the near-surface removal action, should be considered as a source removal action to enhance the natural attenuation of groundwater contaminants.

Some degree of contamination remains at the Bramlette MGP site. Contaminated materials remain at depths greater than 3 feet within the site. Contaminated materials also remain at depths below landfilled debris around the perimeter of the site, and at near-surface (surface to 3 feet) depths beneath Bramlette Road and West Washington Street. The lateral extent of this remaining contamination is not known, but is not considered to represent risks to human health in the current setting.

Tables

Bramlette Road MGP Site
Remedial Action Plan - Final Report

Preliminary Site Cleanup
April - June 2000
Debris Shipments to Palmetto Landfill

Shipment Date	Truck Loads	Total Tons
4/18/2000	1	21.49
4/19/2000	2	47.72
4/20/2000	5	118.81
4/24/2000	6	142.15
4/25/2000	9	214.26
4/26/2000	10	227.07
4/27/2000	8	174.55
5/2/2000	2	43.3
5/3/2000	10	234.69
5/4/2000	6	135.79
5/8/2000	3	68.47
5/9/2000	5	101.93
5/10/2000	5	104.49
5/11/2000	6	133.6
5/15/2000	10	230.19
5/16/2000	9	198.05
5/17/2000	9	192.26
5/18/2000	10	221.18
5/18/2000	1	20.75
5/22/2000	10	214.34
5/23/2000	11	235.64
5/24/2000	10	223.52
5/25/2000	10	217.39
5/30/2000	7	161.13
5/31/2000	9	196.13
6/1/2000	7	163.63
6/5/2000	9	198.73
6/6/2000	9	207.54
6/7/2000	8	188.56
6/8/2000	10	225.94
6/12/2000	8	172.75
6/13/2000	2	37.43

Total Truck Loads:	**227**
Total Tonnage Shipped:	**5,073.48**

Table 1

Bramlette Road MGP Site
Remedial Action Plan - Final Report
Screen Rejects and Debris Shipments to Palmetto Landfill

Shipment Date	Truck Loads	Total Tons
8/13/2001	8	133.33
8/14/2001	5	76.74
8/20/2001	1	16.35
8/21/2001	10	150.32
8/22/2001	6	73.27
8/27/2001	5	80.14
Month total:	***35***	***530.15***
10/3/2001	8	170.26
10/4/2001	10	188.68
10/8/2001	8	161.25
10/9/2001	15	313.99
10/10/2001	14	291.16
10/11/2001	19	414.72
10/15/2001	18	404.86
10/16/2001	19	434.68
10/17/2001	12	254.23
10/18/2001	12	274.20
10/22/2001	12	246.66
10/23/2001	14	305.85
10/24/2001	13	278.32
10/25/2001	14	305.68
10/30/2001	5	113.17
10/31/2001	5	117.01
Month total:	***198***	***4,274.72***
11/1/2001	13	298.72
11/7/2001	3	64.70
11/8/2001	14	294.39
11/14/2001	3	64.42
11/15/2001	9	194.65
11/19/2001	5	111.87
11/20/2001	12	268.75
11/21/2001	18	403.22
Month total:	***77***	***1,700.72***
12/4/2001	12	266.04
12/5/2001	23	525.07
12/6/2001	10	233.75
12/11/2001	9	210.31
12/12/2001	14	317.93
12/17/2001	4	84.77
12/18/2001	8	179.13
12/19/2001	4	84.45
Month total:	***84***	***1,901.45***
1/8/2002	4	67.64
Month total:	***4***	***67.64***

Shipment Date	Truck Loads	Total Tons
2/5/2002	3	61.16
2/6/2002	5	106.42
2/7/2002	8	182.18
2/12/2002	12	249.95
2/13/2002	7	150.40
2/14/2002	6	132.42
2/19/2002	8	175.85
2/20/2002	8	171.78
2/21/2002	8	171.46
2/25/2002	9	189.53
2/27/2002	5	106.82
Month total:	***79***	***1,697.97***
3/28/2002	9	191.95
Month total:	***9***	***191.95***
4/2/2002	4	85.04
4/3/2002	4	81.84
4/4/2002	8	164.04
4/9/2002	13	281.89
4/10/2002	7	152.69
4/11/2002	12	266.97
4/16/2002	4	89.67
4/17/2002	9	197.23
4/22/2002	14	300.67
4/23/2002	5	108.44
4/25/2002	7	138.59
4/30/2002	9	190.25
Month total:	***96***	***2,057.32***
5/6/2002	8	175.78
5/7/2002	10	218.51
5/8/2002	13	264.19
5/9/2002	12	244.03
5/13/2002	14	292.89
5/14/2002	14	274.25
5/15/2002	18	365.03
5/16/2002	4	80.81
5/20/2002	8	156.63
5/21/2002	11	237.21
5/22/2002	9	189.59
5/23/2002	4	82.50
5/29/2002	5	109.58
5/30/2002	5	88.76
Month total:	***135***	***2,779.76***
6/10/2002	5	102.52
6/11/2002	10	206.29
6/19/2002	8	164.09
6/20/2002	1	20.52
6/27/2002	13	288.67
Month total:	***37***	***782.09***

Shipment Date	Truck Loads	Total Tons
7/1/2002	15	323.61
7/2/2002	2	42.13
7/10/2002	13	256.63
7/11/2002	4	80.88
7/12/2002	4	71.49
7/15/2002	3	59.34
7/16/2002	22	430.90
7/17/2002	14	283.37
7/18/2002	9	181.30
7/19/2002	21	444.39
7/22/2002	21	434.62
7/23/2002	2	43.93
7/24/2002	12	221.84
7/25/2002	13	261.87
7/26/2002	28	555.59
7/27/2002	21	400.30
7/29/2002	5	100.88
7/30/2002	20	394.64
7/31/2002	5	104.41
Month total:	***234***	***4,692.12***
8/1/2002	5	99.50
8/2/2002	16	338.43
8/5/2002	5	103.72
8/6/2002	5	105.55
8/7/2002	16	349.56
8/12/2002	21	437.81
8/13/2002	19	422.70
8/21/2002	10	201.96
8/26/2002	8	167.58
8/27/2002	11	235.79
8/28/2002	9	193.17
Month total:	***125***	***2,655.77***
9/25/2002	3	21.88
9/30/2002	1	20.23
Month total:	***4***	***42.11***
10/1/2002	8	175.10
10/2/2002	8	171.08
10/3/2002	5	109.20
10/9/2002	3	63.47
Month total:	***24***	***518.85***
11/5/2002	2	34.68
11/6/2002	3	58.00
11/21/2002	5	98.95
11/22/2002	28	563.17
11/25/2002	39	774.83
11/26/2002	40	778.31
Month total:	***117***	***2,307.94***
12/2/2002	30	672.14
12/3/2002	12	271.02
Month total:	***42***	***943.16***

Total Truck Loads:	**1,300**
Total Tonnage Shipped:	**27,143.72**

Table 2

Bramlette Road MGP Site
Remedial Action Plan - Final Report
Contaminated Soil Material Shipments to SSR Treatment Facility

Shipment Date	Truck Loads	Total Tons
3/4/2002	18	372.79
3/7/2002	6	121.5
3/11/2002	18	364.67
3/12/2002	5	102.53
3/13/2002	5	102.27
3/14/2002	9	175.76
3/19/2002	8	166.4
3/21/2002	20	431.65
3/25/2002	20	412.38
3/26/2002	16	331.89
3/27/2002	5	105.31
Month total:	***130***	***2,687.15***
4/1/2002	16	343.14
4/2/2002	16	357.92
4/3/2002	18	395.23
4/4/2002	14	299.14
4/8/2002	16	331.16
4/9/2002	16	327.95
4/11/2002	12	257.05
4/15/2002	15	336.57
4/16/2002	11	245.06
4/23/2002	16	330.96
4/24/2002	16	344.38
4/25/2002	15	314.66
Month total:	***181***	***3,883.22***
5/1/2002	17	366.89
5/2/2002	5	107.26
5/7/2002	12	258.24
5/8/2002	13	278.72
5/9/2002	20	428.95
5/13/2002	16	339.3
5/14/2002	16	320.01
5/16/2002	19	377.26
5/20/2002	16	310.17
5/21/2002	15	300.05
5/28/2002	20	411.74
5/29/2002	20	435.46
5/30/2002	10	220.33
Month total:	***199***	***4,154.38***

Shipment Date	Truck Loads	Total Tons
6/20/2002	19	385.93
6/24/2002	16	326.98
6/25/2002	16	334.73
6/26/2002	16	338.97
6/27/2002	16	336.8
Month total:	***83***	***1,723.41***
7/1/2002	12	254.08
7/2/2002	15	315.33
7/8/2002	16	346.91
7/9/2002	16	337.94
7/10/2002	12	227.03
7/11/2002	12	219.65
7/15/2002	12	225.25
7/17/2002	12	219.92
7/18/2002	12	227.49
7/22/2002	13	261.32
7/23/2002	12	244.26
7/24/2002	12	232.37
7/25/2002	12	232.73
7/29/2002	16	310.73
7/30/2002	16	321.21
7/31/2002	16	317.27
Month total:	***216***	***4,293.49***
8/1/2002	16	312.54
8/5/2002	20	402.22
8/6/2002	12	258.3
8/7/2002	16	311.92
8/8/2002	16	310.96
8/12/2002	16	314.43
8/13/2002	16	320.16
8/14/2002	16	323.61
8/15/2002	15	303.37
8/19/2002	16	317.13
8/20/2002	16	331.33
8/21/2002	16	346.63
8/22/2002	16	341.27
8/26/2002	5	102.56
Month total:	***212***	***4,296.43***

Shipment Date	Truck Loads	Total Tons
9/3/2002	12	246.36
9/4/2002	15	313.65
9/9/2002	12	238.26
9/10/2002	12	229.07
9/11/2002	12	237.05
9/12/2002	12	241.85
9/16/2002	16	338.51
9/17/2002	16	333.74
9/19/2002	23	479.2
9/23/2002	16	329.28
9/24/2002	16	331.93
9/25/2002	16	316.03
9/30/2002	16	330.26
Month total:	***194***	***3,965.19***
10/1/2002	16	344
10/2/2002	12	258.55
10/7/2002	20	432.77
10/8/2002	16	337.98
10/9/2002	16	336.32
10/14/2002	16	338.92
10/16/2002	24	545.5
10/17/2002	21	439.12
10/21/2002	16	344.97
10/22/2002	12	253.69
10/23/2002	21	443.59
10/24/2002	18	372.18
10/28/2002	12	237.71
10/30/2002	16	312.45
10/31/2002	15	309.52
Month total:	***251***	***5,307.27***
11/4/2002	16	332.14
11/5/2002	16	322.06
11/6/2002	19	377.81
11/7/2002	16	317.58
11/13/2002	16	300.86
11/14/2002	19	357.2
11/18/2002	24	453.39
11/19/2002	32	592.69
11/20/2002	27	498.7
11/21/2002	4	81.24
Month total:	***189***	***3,633.67***

Total Truck Loads:	**1,655**
Total Tonnage Shipped:	**33,944.21**

Table 3

Bramlette Road MGP Site
Remedial Action Plan - Final Report
Virgin Backfill Shipments to Bramlette Road MGP Site

Shipment Date	Truck Loads	Total Tons	Borrow Pit Location
8/15/2001	22	352	Hospital
8/16/2001	35	560	Hospital
8/17/2001	31	496	Hospital
8/20/2001	33	528	Hospital
8/21/2001	53	848	Hospital
8/22/2001	63	1,008	Hospital
8/23/2001	32	512	Hospital
9/6/2001	33	528	Hospital
9/19/2001	21	336	Pelham Road
9/20/2001	22	352	Pelham Road
9/26/2001	18	288	Pelham Road
9/27/2001	25	400	Pelham Road
10/1/2001	15	240	Pelham Road
10/2/2001	16	256	Pelham Road
10/3/2001	16	256	Pelham Road
10/4/2001	15	240	Pelham Road
10/8/2001	22	352	Pelham Road
10/9/2001	19	304	Strange Brothers
10/10/2001	14	224	Strange Brothers
10/9/2001	8	128	Mauldin Road
10/10/2001	26	416	Mauldin Road
10/11/2001	45	720	Mauldin Road
10/15/2001	46	736	Mauldin Road
10/11/2001	14	224	Strange Brothers
10/15/2001	26	416	Strange Brothers
10/16/2001	20	320	Strange Brothers
10/17/2001	17	272	Strange Brothers
10/18/2001	12	192	Strange Brothers
10/22/2001	2	32	Strange Brothers
10/23/2001	22	352	Strange Brothers
10/24/2001	32	512	Strange Brothers
11/20/2001	53	848	Mauldin Road
12/6/2001	34	544	Mauldin Road
12/12/2001	9	144	Mauldin Road
12/19/2001	9	144	Mauldin Road
1/9/2002	46	736	Mauldin Road
2/27/2002	30	480	Mauldin Road
3/5/2002	20	320	Mauldin Road
3/6/2002	38	608	Mauldin Road
4/11/2002	38	608	Mauldin Road
4/18/2002	16	256	Mauldin Road
4/22/2002	63	1,008	Mauldin Road
4/23/2002	55	880	Mauldin Road
4/25/2002	42	672	Mauldin Road
5/2/2002	50	800	Mauldin Road
5/15/2002	43	688	Mauldin Road
5/22/2002	51	816	Mauldin Road
5/23/2002	26	416	Mauldin Road
5/29/2002	17	272	Mauldin Road
5/30/2002	39	624	Mauldin Road
6/4/2002	16	256	Mauldin Road
6/6/2002	44	704	Mauldin Road
6/13/2002	23	368	Mauldin Road
6/17/2002	30	480	Mauldin Road
6/18/2002	30	480	Mauldin Road
6/20/2002	8	128	Mauldin Road
7/9/2002	29	464	Mauldin Road
7/10/2002	29	464	Mauldin Road
7/11/2002	21	336	Mauldin Road
7/12/2002	32	512	Mauldin Road
7/15/2002	27	432	Mauldin Road
7/16/2002	28	448	Mauldin Road
7/17/2002	26	416	Mauldin Road
7/23/2002	35	560	Mauldin Road
7/25/2002	28	448	Mauldin Road
7/26/2002	70	1,120	Mauldin Road
7/29/2002	57	912	Mauldin Road
7/30/2002	39	624	Mauldin Road
8/2/2002	51	816	Mauldin Road
8/5/2002	37	592	Mauldin Road
8/6/2002	25	400	Mauldin Road
8/7/2002	28	448	Mauldin Road
8/9/2002	64	1,024	Mauldin Road
8/12/2002	36	576	Mauldin Road
10/2/2002	34	544	Mauldin Road
10/7/2002	27	432	Mauldin Road
10/14/2002	54	864	Mauldin Road
Total Truck Loads:			**2,382**
Total Tonnage Shipped:			**38,112**

Table 4

Bramlette Road MGP Site
Remedial Action Plan - Final Report
Treated Soil Material Backhaul Shipments to Bramlette Road MGP Site

Shipment Date	Truck Loads	Total Tons	Shipment Date	Truck Loads	Total Tons	Shipment Date	Truck Loads	Total Tons
3/25/2002	16	324.00	7/10/2002	12	243.00	9/23/2002	16	324.00
3/26/2002	15	303.75	7/11/2002	12	243.00	9/24/2002	16	324.00
3/27/2002	18	364.50	7/15/2002	12	243.00	9/25/2002	16	324.00
4/1/2002	16	324.00	7/17/2002	12	243.00	9/30/2002	16	324.00
4/2/2002	17	344.25	7/18/2002	11	222.75	10/1/2002	16	324.00
4/3/2002	17	344.25	7/22/2002	19	384.75	10/2/2002	12	243.00
4/4/2002	5	101.25	7/23/2002	12	243.00	10/7/2002	20	405.00
4/11/2002	12	243.00	7/24/2002	12	243.00	10/8/2002	16	324.00
4/15/2002	15	303.75	7/25/2002	12	243.00	10/9/2002	16	324.00
4/16/2002	11	222.75	7/29/2002	16	324.00	10/10/2002	2	40.50
4/23/2002	15	303.75	7/30/2002	17	344.25	10/14/2002	16	324.00
4/24/2002	16	324.00	7/31/2002	16	324.00	10/16/2002	24	486.00
4/25/2002	14	283.50	8/1/2002	16	324.00	10/17/2002	21	425.25
5/1/2002	16	324.00	8/5/2002	20	405.00	10/21/2002	16	324.00
5/2/2002	7	141.75	8/6/2002	12	243.00	10/22/2002	12	243.00
5/7/2002	12	243.00	8/7/2002	16	324.00	10/23/2002	20	405.00
5/8/2002	13	263.25	8/8/2002	1	20.25	10/24/2002	31	627.75
5/9/2002	19	384.75	8/13/2002	15	303.75	10/28/2002	12	243.00
5/13/2002	15	303.75	8/14/2002	16	324.00	10/30/2002	15	303.75
5/14/2002	17	344.25	8/15/2002	15	303.75	10/31/2002	16	324.00
5/16/2002	19	384.75	8/19/2002	16	324.00	11/4/2002	24	486.00
5/20/2002	16	324.00	8/20/2002	16	324.00	11/5/2002	23	465.75
5/21/2002	14	283.50	8/21/2002	16	324.00	11/6/2002	28	567.00
5/28/2002	20	405.00	8/22/2002	16	324.00	11/7/2002	16	324.00
5/29/2002	19	384.75	8/26/2002	5	101.25	11/13/2002	16	324.00
5/30/2002	9	182.25	8/27/2002	6	121.50	11/14/2002	19	384.75
6/20/2002	13	263.25	9/3/2002	12	243.00	11/18/2002	24	486.00
6/24/2002	16	324.00	9/4/2002	15	303.75	11/19/2002	32	648.00
6/25/2002	16	324.00	9/9/2002	18	364.50	11/20/2002	27	546.75
6/26/2002	16	324.00	9/10/2002	22	445.50	11/21/2002	10	202.50
6/27/2002	17	344.25	9/11/2002	12	243.00	12/2/2002	19	384.75
7/1/2002	12	243.00	9/12/2002	12	243.00	12/3/2002	11	222.75
7/2/2002	14	283.50	9/16/2002	16	324.00	12/4/2002	23	465.75
7/8/2002	16	324.00	9/17/2002	12	243.00	12/9/2002	62	1,169.80
7/9/2002	16	324.00	9/19/2002	23	465.75	12/10/2002	7	133.51

Total Truck Loads:	**1,680**
Total Tonnage Shipped:	**33,926.06**

Bramlette Road MGP Site
Remedial Action Plan - Final Report

SSR Treatment Facility Screen Reject
Shipments to Palmetto Landfill

Shipment Date	Truck Loads	Total Tons
3/21/2002	1	21.65
4/4/2002	1	21.34
5/1/2002	2	45.71
5/8/2002	4	81.43
5/13/2002	4	82.09
5/14/2002	4	80.6
5/21/2002	4	84.55
5/29/2002	1	19.6
7/2/2002	4	89.76
7/22/2002	3	60.83
12/9/2002	1	19.78

Total Truck Loads:	**29**
Total Tonnage Shipped:	**607.34**

Bramlette Road MGP Site
Remedial Action Plan - Final Report
Site Verification Sampling and Analytical Data Summary
EPA Method 8260 - BTEX

Sample Id		21031278		21031280		21031281		21031282		21032342	
Sample Description		2SW		4SW		5B		6SWD		7SWD	
Location		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT	
Type Of Sample		SOIL		SOIL		SOIL		SOIL		SOIL	
Collected Date	(CAS#)	8/21/01 1:48 PM		8/21/01 1:57 PM		8/21/01 2:02 PM		8/21/01 2:02 PM		8/27/01 1:00 PM	
		Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)
Benzene	71-43-2	2.5	5	2.5	5	2.5	5	140	---	265	530
Ethylbenzene	100-41-4	2.5	5	2.5	5	2.5	5	1200	---	265	530
m-p-Xylene	1330-20-7	5	10	5	10	5	10	1800	---	550	1100
o-Xylene	95-47-6	2.5	5	2.5	5	2.5	5	990	---	265	530
Toluene	108-88-3	2.5	5	2.5	5	2.5	5	96	---	265	530
Total BETX		15.00		15.00		15.00		4226.00		1610.00	

Sample Id		21032343		21032344		21032345		21033780		21033781	
Sample Description		8B		12B		14SW		19B		21SW	
Location		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT	
Type Of Sample		SOIL		SOIL		SOIL		SOIL		SOIL	
Collected Date	(CAS#)	8/27/01 1:30 PM		8/29/01 1:10 PM		8/30/01 9:45 AM		9/6/01 2:05 PM		9/10/01 2:55 PM	
		Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)
Benzene	71-43-2	350	700	295	590	230	460	270	540	225	450
Ethylbenzene	100-41-4	350	700	295	590	230	460	270	540	225	450
m-p-Xylene	1330-20-7	700	1400	600	1200	455	910	550	1100	455	910
o-Xylene	95-47-6	350	700	295	590	230	460	270	540	225	450
Toluene	108-88-3	350	700	295	590	230	460	270	540	225	450
Total BETX		2100.00		1780.00		1375.00		1630.00		1355.00	

Note: "---" in the Detection Limit column indicates that an actual detected value is reported in the Analysis Result column.
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Bramlette Road MGP Site
Remedial Action Plan - Final Report
Site Verification Sampling and Analytical Data Summary
EPA Method 8260 - BTEX

Sample Id		21037728		21038009		21044502		21044503		21045579	
Sample Description		23B		24B		25SW		28B		29SW	
Location		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT	
Type Of Sample		SOIL		SOIL		SOIL		SOIL		SOIL	
Collected Date	(CAS#)	10/9/01 2:40 PM		10/10/01 2:20 PM		12/5/01 10:45 AM		12/5/01 11:20 AM		12/12/01 9:20 AM	
		Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)
Benzene	71-43-2	27000	---	275	550	255	510	345	690	295	590
Ethylbenzene	100-41-4	2700	---	275	550	255	510	345	690	295	590
m-p-Xylene	1330-20-7	43000	---	550	1100	500	1000	700	1400	600	1200
o-Xylene	95-47-6	16000	---	275	550	255	510	345	690	295	590
Toluene	108-88-3	42000	---	275	550	255	510	345	690	295	590
Total BETX		130700.00		1650.00		1520.00		2080.00		1780.00	

Sample Id		21045584		22007389		22008989		22008990		22008991	
Sample Description		30B		31SW		32SW		33SW		34SW	
Location		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT	
Type Of Sample		SOIL		SOIL		SOIL		SOIL		SOIL	
Collected Date	(CAS#)	12/12/01 11:30 AM		2/27/02 8:00 PM		3/5/02 5:00 PM		3/5/02 5:02 PM		3/5/02 5:05 PM	
		Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)
Benzene	71-43-2	275	550	6	12	4	8	3	6	3	6
Ethylbenzene	100-41-4	275	550	6	12	4	8	3	6	3	6
m-p-Xylene	1330-20-7	550	1100	26	---	8	16	6	12	6	12
o-Xylene	95-47-6	275	550	6	12	4	8	3	6	3	6
Toluene	108-88-3	275	550	22	---	4	8	3	6	3	6
Total BETX		1650.00		66.00		24.00		18.00		18.00	

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Bramlette Road MGP Site
Remedial Action Plan - Final Report
Site Verification Sampling and Analytical Data Summary
EPA Method 8260 - BTEX

Sample Id		22008992		22014158		22014163		22014164		22014165	
Sample Description		35B		36B		37B		38SW		39SW	
Location		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT	
Type Of Sample		SOIL		SOIL		SOIL		SOIL		SOIL	
Collected Date	(CAS#)	3/6/02 8:25 AM		4/11/02 2:15 PM		4/16/02 11:30 AM		4/18/02 2:15 PM		4/22/02 3:15 PM	
		Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)
Benzene	71-43-2	3	6	155	310	125	250	140	280	130	260
Ethylbenzene	100-41-4	3	6	155	310	125	250	140	280	130	260
m-p-Xylene	1330-20-7	5.5	11	305	610	250	500	285	570	255	510
o-Xylene	95-47-6	3	6	155	310	125	250	140	280	130	260
Toluene	108-88-3	3	6	155	310	125	250	140	280	130	260
Total BETX		17.5		925.0		750.0		845.0		775.0	

Sample Id		22014166		22015739		22015740		22015741		22015742	
Sample Description		40SW		41SW		42SW		43SW		44SW	
Location		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT	
Type Of Sample		SOIL		SOIL		SOIL		SOIL		SOIL	
Collected Date	(CAS#)	4/22/02 3:25 PM		4/29/02 2:35 PM		4/29/02 2:40 PM		4/30/02 3:25 PM		4/30/02 3:40 PM	
		Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)
Benzene	71-43-2	135	270	155	310	125	250	155	310	140	280
Ethylbenzene	100-41-4	135	270	155	310	125	250	155	310	140	280
m-p-Xylene	1330-20-7	270	540	305	610	245	490	305	610	280	560
o-Xylene	95-47-6	135	270	155	310	125	250	155	310	140	280
Toluene	108-88-3	135	270	155	310	125	250	155	310	140	280
Total BETX		810.0		925.0		745.0		925.0		840.0	

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Bramlette Road MGP Site
Remedial Action Plan - Final Report
Site Verification Sampling and Analytical Data Summary
EPA Method 8260 - BTEX

Sample Id		22017843		22017844		22017845		22017846		22017847	
Sample Description		45B		46SW		47SW		48SW		49SW	
Location		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST	
Type Of Sample		SOIL		SOIL		SOIL		SOIL		SOIL	
Collected Date	(CAS#)	5/8/02 2:50 PM		5/8/02 3:15 PM		5/13/02 1:45 PM		5/15/02 8:15 AM		5/15/02 9:15 AM	
		Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)
Benzene	71-43-2	4.2	8.4	8.9	---	2.9	5.8	3.1	6.2	1200	---
Ethylbenzene	100-41-4	4.2	8.4	4.15	8.3	2.9	5.8	3.1	6.2	1500	---
m-p-Xylene	1330-20-7	8.5	17	8.5	17	6	12	6	12	2100	---
o-Xylene	95-47-6	4.2	8.4	15	---	2.9	5.8	3.1	6.2	600	---
Toluene	108-88-3	4.2	8.4	4.15	8.3	2.9	5.8	3.1	6.2	460	---
Total BETX		25.3		40.7		17.6		18.4		5,860.0	

Sample Id		22017849		22019383		22019384		22019385		22019386	
Sample Description		50B		51SW		52SW		53SW		54B	
Location		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST	
Type Of Sample		SOIL		SOIL		SOIL		SOIL		SOIL	
Collected Date	(CAS#)	5/15/02 9:22 AM		5/20/02 8:30 AM		5/29/02 16:10:00 PM		5/29/02 16:14:00 PM		5/29/02 16:20:00 PM	
		Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)
Benzene	71-43-2	18	---	1.5	3	1.5	3	12	---	1.5	3
Ethylbenzene	100-41-4	150	---	1.5	3	1.5	3	1.5	3	1.5	3
m-p-Xylene	1330-20-7	240	---	3	6	3	6	3	6	2.5	5
o-Xylene	95-47-6	110	---	1.5	3	1.5	3	1.5	3	1.5	3
Toluene	108-88-3	33	---	1.5	3	1.5	3	4	---	1.5	3
Total BETX		551.0		9.0		9.0		22.0		8.5	

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Bramlette Road MGP Site
Remedial Action Plan - Final Report
Site Verification Sampling and Analytical Data Summary
EPA Method 8260 - BTEX

Sample Id		22021399		22021400		22021401		22021402		22021403	
Sample Description		55SW		56SW		57SW		58B		59SW	
Location		BRAMLETT		BRAMLETT		*SUBURBAN PROPANE*		*SUBURBAN PROPANE*		*SUBURBAN PROPANE*	
Type Of Sample		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL	
Collected Date	(CAS#)	6/5/02 1:00 PM		6/5/02 1:12 PM		6/10/02 2:10 PM		6/10/02 2:30 PM		6/11/02 7:40 AM	
		Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)
Benzene	71-43-2	1.5	3	1.5	3	3	6	2	4	2	4
Ethylbenzene	100-41-4	1.5	3	1.5	3	3	6	2	4	2	4
m-p-Xylene	1330-20-7	2.5	5	2.5	5	6	12	7.7	---	4	8
o-Xylene	95-47-6	1.5	3	1.5	3	3	6	2	4	2	4
Toluene	108-88-3	1.5	3	1.5	3	3	6	9.1	---	2	4
Total BETX		8.5		8.5		18.0		22.8		12.0	

Sample Id		22021404		22021405		22021406		22021407		22021408	
Sample Description		60B		61SW		62B		63SW		64B	
Location		*SUBURBAN PROPANE*		*SUBURBAN PROPANE*		*SUBURBAN PROPANE*		*SUBURBAN PROPANE*		*SUBURBAN PROPANE*	
Type Of Sample		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL	
Collected Date	(CAS#)	6/11/02 8:10 AM		6/11/02 10:45 AM		6/11/02 11:10 AM		6/12/02 8:15 AM		6/12/02 8:30 AM	
		Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)
Benzene	71-43-2	2	4	6	12	2	4	165	330	1.5	3
Ethylbenzene	100-41-4	2	4	6	12	2	4	420	---	1.5	3
m-p-Xylene	1330-20-7	3.5	7	12	24	3.5	7	2600	---	3	6
o-Xylene	95-47-6	2	4	6	12	2	4	1100	---	1.5	3
Toluene	108-88-3	2	4	6	12	2	4	570	---	1.5	3
Total BETX		11.5		36.0		11.5		4,855.0		9.0	

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Bramlette Road MGP Site
Remedial Action Plan - Final Report
Site Verification Sampling and Analytical Data Summary
EPA Method 8260 - BTEX

Sample Id		22023252		22023253		22023254		22023255		22025154	
Sample Description		65SW		66SW		67SW		68B		69SW	
Location		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT	
Type Of Sample		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL	
Collected Date	(CAS#)	6/17/02 12:40 PM		6/17/02 12:48 PM		6/17/02 1:00 PM		6/18/02 10:00 AM		7/3/02 11:00 AM	
		Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)
Benzene	71-43-2	2	4	1.5	3	1.5	3	1.5	3	4.5	9
Ethylbenzene	100-41-4	2	4	3.7	---	1.5	3	8.7	---	4.5	9
m-p-Xylene	1330-20-7	4.5	9	3.5	7	3.5	7	8.4	---	8.5	17
o-Xylene	95-47-6	2	4	1.5	3	1.5	3	3.9	---	4.5	9
Toluene	108-88-3	2	4	1.5	3	1.5	3	1.5	3	4.5	9
Total BETX		12.5		11.7		9.5		24.0		26.5	

Sample Id		22025155		22025156		22025157		22025158		22025159	
Sample Description		70B		71SW		72SW		73SW		74B	
Location		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT	
Type Of Sample		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL	
Collected Date	(CAS#)	7/3/02 11:00 AM		7/8/02 10:00 AM		7/8/02 12:40 PM		7/8/02 2:00 PM		7/8/02 2:06 PM	
		Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)
Benzene	71-43-2	2	4	1.5	3	2.5	5	2	4	130	260
Ethylbenzene	100-41-4	2	4	1.5	3	2.5	5	2	4	130	260
m-p-Xylene	1330-20-7	3.5	7	5.9	---	32	---	3.5	7	260	520
o-Xylene	95-47-6	2	4	1.5	3	10	---	2	4	130	260
Toluene	108-88-3	2	4	1.5	3	2.5	5	2	4	130	260
Total BETX		11.5		11.9		49.5		11.5		780.0	

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Bramlette Road MGP Site
Remedial Action Plan - Final Report
Site Verification Sampling and Analytical Data Summary
EPA Method 8260 - BTEX

Sample Id		22026557		22026563		22026564		22027476		22027477	
Sample Description		75SW		76SW		77SW		78B		79SW	
Location		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT	
Type Of Sample		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL	
Collected Date	(CAS#)	7/15/02 3:30 PM		7/17/02 2:30 PM		7/18/02 9:20 AM		7/23/02 5:00 PM		7/24/02 3:30 PM	
		Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)
Benzene	71-43-2	2	4	2	4	1.5	3	5	10	2.5	5
Ethylbenzene	100-41-4	2	4	2	4	1.5	3	5	10	2.5	5
m-p-Xylene	1330-20-7	4	8	3.5	7	3	6	10	20	5.5	11
o-Xylene	95-47-6	2	4	2	4	1.5	3	5	10	2.5	5
Toluene	108-88-3	2	4	2	4	1.5	3	5	10	2.5	5
Total BETX		12.0		11.5		9.0		30.0		15.5	

Sample Id		22030211		22030212		22037771		22037772		22037773	
Sample Description		80B		81B		82SW		83SW		84SW	
Location		BRAMLETTE		BRAMLETTE		BRAMLETTE		BRAMLETTE		BRAMLETTE	
Type Of Sample		SOIL SPECIAL		SOIL SPECIAL		SOIL SPECIAL		SOIL SPECIAL		SOIL SPECIAL	
Collected Date	(CAS#)	8/5/02 2:40 PM		8/8/02 9:00 AM		9/30/02 2:10 PM		10/1/02 8:45 AM		10/1/02 1:10 PM	
		Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)
Benzene	71-43-2	2	4	2.5	5	2	4	1.5	3	1.5	3
Ethylbenzene	100-41-4	2	4	2.5	5	2	4	1.5	3	1.5	3
m-p-Xylene	1330-20-7	3.5	7	5	10	3.5	7	3.5	7	3.5	7
o-Xylene	95-47-6	2	4	2.5	5	2	4	1.5	3	1.5	3
Toluene	108-88-3	2	4	2.5	5	2	4	1.5	3	1.5	3
Total BETX		11.5		15.0		11.5		9.5		9.5	

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Bramlette Road MGP Site
Remedial Action Plan - Final Report
Site Verification Sampling and Analytical Data Summary
EPA Method 8260 - BTEX

Sample Id		22037779		22037780		22037782		22037783		22037785	
Sample Description		85B		86SW		87B		88SW		89SW	
Location		BRAMLETTE		BRAMLETTE		BRAMLETTE		BRAMLETTE		BRAMLETTE	
Type Of Sample		SOIL SPECIAL		SOIL SPECIAL		SOIL SPECIAL		SOIL SPECIAL		SOIL SPECIAL	
Collected Date	(CAS#)	10/1/02 1:20 PM		10/1/02 1:25 PM		10/2/02 8:30 AM		10/2/02 8:40 AM		10/3/02 1:15 PM	
		Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)
Benzene	71-43-2	2.5	5	2	4	2	4	2	4	8	16
Ethylbenzene	100-41-4	2.5	5	2	4	2	4	2	4	8	16
m-p-Xylene	1330-20-7	5	10	4	8	4	8	3.5	7	15.5	31
o-Xylene	95-47-6	2.5	5	2	4	2	4	2	4	8	16
Toluene	108-88-3	17	---	2	4	2	4	2	4	8	16
Total BETX		29.5		12.0		12.0		11.5		47.5	

Sample Id		922563796		922563804		922563812		922563820		922563838	
Sample Description		90SW		91SW		92SW		93SW		94SW	
Location		*SUBURBAN PROPANE*		*SUBURBAN PROPANE*		*SUBURBAN PROPANE*		*SUBURBAN PROPANE*		*SUBURBAN PROPANE*	
Type Of Sample		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL	
Collected Date	(CAS#)	10/8/02 1:05 PM		10/8/02 1:11 PM		10/8/02 1:16 PM		10/8/02 1:30 PM		10/8/02 1:39 PM	
		Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)
Benzene	71-43-2	2.85	5.7	3.15	6.3	3.5	7	2.8	5.6	150	--
Ethylbenzene	100-41-4	2.85	5.7	3.15	6.3	3.5	7	2.8	5.6	5.5	11
m-p-Xylene	1330-20-7	5.5	11	6.5	13	7	14	5.5	11	72	--
o-Xylene	95-47-6	2.85	5.7	3.15	6.3	3.5	7	2.8	5.6	13	--
Toluene	108-88-3	2.85	5.7	3.15	6.3	3.5	7	2.8	5.6	45	--
Total BETX		16.9		19.1		21.0		16.7		285.5	

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Bramlette Road MGP Site
Remedial Action Plan - Final Report
Site Verification Sampling and Analytical Data Summary
EPA Method 8260 - BTEX

Sample Id		22039411		22039412		22039413		22039415		22039416	
Sample Description		95SW		96SW		97SW		98B		99SW	
Location		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT	
Type Of Sample		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL	
Collected Date	(CAS#)	10/9/02 1:00 PM		10/9/02 1:10 PM		10/9/02 1:12 PM		10/10/02 8:30 AM		10/10/02 8:40 AM	
		Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)
Benzene	71-43-2	2.5	5	2	4	3.5	7	2	4	53	---
Ethylbenzene	100-41-4	7.7	---	5.2	---	13	---	2	4	19	---
m-p-Xylene	1330-20-7	41	---	26	---	71	---	13	---	100	---
o-Xylene	95-47-6	9.7	---	6.5	---	16	---	4.8	---	24	---
Toluene	108-88-3	2.5	5	2	4	3.5	7	2	4	27	---
Total BETX		63.4		41.7		107.0		23.8		223.0	

Sample Id		22039417		22039418		22039419		22039419	
Sample Description		100SW		101SW		102SW		103B	
Location		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT	
Type Of Sample		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL	
Collected Date	(CAS#)	10/10/02 8:50 AM		10/10/02 9:00 AM		10/10/02 1:20 PM		10/10/02 1:20 PM	
		Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)	Analysis Result (ug/kg)	Detection Limit (ug/kg)
Benzene	71-43-2	120	240	3	6	165	330	22	--
Ethylbenzene	100-41-4	2300	---	3	6	900	---	29	---
m-p-Xylene	1330-20-7	9800	---	5.5	11	8400	---	9.5	19
o-Xylene	95-47-6	2800	---	3	6	6500	---	5	10
Toluene	108-88-3	120	240	3	6	870	---	5	10
Total BETX		15,140.0		17.5		16,835.0		70.5	

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Bramlette Road MGP Site
Remedial Action Plan - Final Report
Site Verification Sampling and Analytical Data Summary
EPA Method 8270 - PAHs

Sample Id		21031278		21031280		21031281		21031282		21032342	
Sample Description		2SW		4SW		5B		6SWD		7SWD	
Location		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST	
Type Of Sample		SOIL		SOIL		SOIL		SOIL		SOIL	
Collected Date	(CAS#)	8/21/01 1:48 PM		8/21/01 1:57 PM		8/21/01 2:02 PM		8/21/01 2:02 PM		8/27/01 1:00 PM	
		Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg
2-Methylnaphthalene	91-57-6	0.6	1.2	0.16	0.32	0.18	0.36	15	---	8.3	---
Acenaphthene	83-32-9	0.6	1.2	0.16	0.32	0.18	0.36	1.1	---	0.305	0.61
Acenaphthylene	208-96-8	0.6	1.2	0.16	0.32	0.18	0.36	1	---	0.305	0.61
Anthracene	120-12-7	0.6	1.2	0.16	0.32	0.18	0.36	2.4	---	0.305	0.61
Benzo(a)anthracene	56-55-3	**3.4**	---	0.16	0.32	**0.42**	---	**1.6**	---	0.305	0.61
Benzo(a)pyrene	50-32-8	**3.3**	---	0.16	0.32	**0.41**	---	**1.3**	---	0.305	0.61
Benzo(b)fluoranthene	205-99-2	**3.8**	---	0.16	0.32	**0.36**	---	**0.96**	---	0.305	0.61
Benzo(g,h,i)perylene	191-24-2	1.6	---	0.16	0.32	0.18	0.36	0.42	0.84	0.305	0.61
Benzo(k)fluoranthene	207-08-9	**3.6**	---	0.16	0.32	**0.36**	---	**1.2**	---	0.305	0.61
Chrysene	218-01-9	**4.4**	---	0.16	0.32	**0.4**	---	**1.4**	---	0.305	0.61
Dibenzo(a,h)anthracene	53-70-3	0.6	1.2	0.16	0.32	0.18	0.36	0.42	0.84	0.305	0.61
Dibenzofuran	132-64-9	0.6	1.2	0.16	0.32	0.18	0.36	3.1	---	0.305	0.61
Fluoranthene	206-44-0	6.3	---	0.16	0.32	0.66	---	3.8	---	0.305	0.61
Fluorene	86-73-7	0.6	1.2	0.16	0.32	0.18	0.36	3.1	---	0.66	---
Indeno(1,2,3-c,d)pyrene	193-39-5	**1.6**	---	0.16	0.32	0.18	0.36	0.42	0.84	0.305	0.61
Naphthalene	91-20-3	0.6	1.2	0.16	0.32	0.18	0.36	44	---	5.8	---
Phenanthrene	85-01-8	3.1	---	0.16	0.32	0.41	---	8.1	---	2.2	---
Pyrene	129-00-0	6	---	0.16	0.32	0.66	---	3.8	---	0.86	---
Total PAH		**41.90**		2.88		**5.48**		**93.12**		21.79	
Total CPAH		**20.70**		1.12		**2.31**		**7.30**		2.14	
Total CPAH as BaP		**4.82**		0.37		**0.69**		**2.03**		0.70	

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Bold text indicates detected carcinogenic PAH compounds

Bramlette Road MGP Site
Remedial Action Plan - Final Report

Site Verification Sampling and Analytical Data Summary
EPA Method 8270 - PAHs

Sample Id		21032343		21032344		21032345		21033780		21033781	
Sample Description		8B		12B		14SW		19B		21SW	
Location		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST	
Type Of Sample		SOIL		SOIL		SOIL		SOIL		SOIL	
Collected Date	(CAS#)	8/27/01 1:30 PM		8/29/01 1:10 PM		8/30/01 9:45 AM		9/6/01 2:05 PM		9/10/01 2:55 PM	
		Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg
2-Methylnaphthalene	91-57-6	0.39	0.78	0.17	0.34	0.15	0.3	0.6	1.2	0.17	0.34
Acenaphthene	83-32-9	0.39	0.78	0.17	0.34	0.15	0.3	0.6	1.2	0.36	---
Acenaphthylene	208-96-8	0.39	0.78	0.17	0.34	0.15	0.3	4.8	---	0.17	0.34
Anthracene	120-12-7	0.39	0.78	0.17	0.34	0.15	0.3	3.4	---	1.1	---
Benzo(a)anthracene	56-55-3	0.39	0.78	0.17	0.34	0.15	0.3	**14**	---	**4.9**	---
Benzo(a)pyrene	50-32-8	0.39	0.78	0.17	0.34	0.15	0.3	**10**	---	**3.7**	---
Benzo(b)fluoranthene	205-99-2	0.39	0.78	0.17	0.34	0.15	0.3	**18**	---	**4.3**	---
Benzo(g,h,i)perylene	191-24-2	0.39	0.78	0.17	0.34	0.15	0.3	9.8	---	2.2	---
Benzo(k)fluoranthene	207-08-9	0.39	0.78	0.17	0.34	0.15	0.3	**19**	---	**3.2**	---
Chrysene	218-01-9	0.39	0.78	0.17	0.34	0.15	0.3	**16**	---	**3.9**	---
Dibenzo(a,h)anthracene	53-70-3	0.39	0.78	0.17	0.34	0.15	0.3	**3.6**	---	**0.97**	---
Dibenzofuran	132-64-9	0.39	0.78	0.17	0.34	0.15	0.3	0.6	1.2	0.17	0.34
Fluoranthene	206-44-0	0.39	0.78	0.17	0.34	0.15	0.3	23	---	9.8	---
Fluorene	86-73-7	0.39	0.78	0.17	0.34	0.15	0.3	0.6	1.2	0.39	---
Indeno(1,2,3-c,d)pyrene	193-39-5	0.39	0.78	0.17	0.34	0.15	0.3	**9.4**	---	**2.1**	---
Naphthalene	91-20-3	0.39	0.78	0.17	0.34	0.15	0.3	0.6	1.2	0.17	0.34
Phenanthrene	85-01-8	0.39	0.78	0.17	0.34	0.15	0.3	13	---	5.6	---
Pyrene	129-00-0	0.39	0.78	0.17	0.34	0.15	0.3	29	---	9.2	---
Total PAH		7.02		3.06		2.70		**176.00**		**52.40**	
Total CPAH		2.73		1.19		1.05		**90.00**		**23.07**	
Total CPAH as BaP		0.90		0.39		0.35		**17.95**		**5.84**	

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Bramlette Road MGP Site
Remedial Action Plan - Final Report
Site Verification Sampling and Analytical Data Summary
EPA Method 8270 - PAHs

Sample Id		21037728		21038009		21044502		21044503		21045579	
Sample Description		23B		24B		25SW		28B		29SW	
Location		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST	
Type Of Sample		SOIL		SOIL		SOIL		SOIL		SOIL	
Collected Date	(CAS#)	10/9/01 2:40 PM		10/10/01 2:20 PM		12/5/01 10:45 AM		12/5/01 11:20 AM		12/12/01 9:20 AM	
		Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg
2-Methylnaphthalene	91-57-6	120	---	13	---	0.17	0.34	0.195	0.39	0.175	0.35
Acenaphthene	83-32-9	14	---	1	---	0.17	0.34	0.195	0.39	0.175	0.35
Acenaphthylene	208-96-8	63	---	1.1	---	0.17	0.34	0.195	0.39	0.48	---
Anthracene	120-12-7	85	---	2.5	---	0.17	0.34	0.195	0.39	0.75	---
Benzo(a)anthracene	56-55-3	**79**	---	**2**	---	0.17	0.34	0.195	0.39	**1.6**	---
Benzo(a)pyrene	50-32-8	**65**	---	**1.6**	---	0.17	0.34	0.195	0.39	**1.3**	---
Benzo(b)fluoranthene	205-99-2	**51**	---	**1.1**	---	0.17	0.34	0.195	0.39	**0.94**	---
Benzo(g,h,i)perylene	191-24-2	27	---	0.65	---	0.17	0.34	0.195	0.39	0.77	---
Benzo(k)fluoranthene	207-08-9	**58**	---	**1.3**	---	0.17	0.34	0.195	0.39	**1.2**	---
Chrysene	218-01-9	**72**	---	**1.6**	---	0.17	0.34	0.195	0.39	**1.7**	---
Dibenzo(a,h)anthracene	53-70-3	**11**	---	0.165	0.33	0.17	0.34	0.195	0.39	**0.4**	---
Dibenzofuran	132-64-9	76	---	2.2	---	0.17	0.34	0.195	0.39	0.175	0.35
Fluoranthene	206-44-0	210	---	4.5	---	0.17	0.34	0.195	0.39	4.3	---
Fluorene	86-73-7	85	---	3.4	---	0.17	0.34	0.195	0.39	0.56	---
Indeno(1,2,3-c,d)pyrene	193-39-5	**27**	---	**0.63**	---	0.17	0.34	0.195	0.39	**0.8**	---
Naphthalene	91-20-3	590	---	50	---	0.17	0.34	0.195	0.39	0.175	0.35
Phenanthrene	85-01-8	340	---	9.3	---	0.17	0.34	0.195	0.39	3.8	---
Pyrene	129-00-0	220	---	5.8	---	0.17	0.34	0.195	0.39	3.3	---
Total PAH		**2193.00**		**101.85**		3.06		3.51		**22.60**	
Total CPAH		**363.00**		**8.40**		1.19		1.37		**7.94**	
Total CPAH as BaP		**92.35**		**2.15**		0.39		0.45		**2.05**	

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Bramlette Road MGP Site
Remedial Action Plan - Final Report
Site Verification Sampling and Analytical Data Summary
EPA Method 8270 - PAHs

Sample Id		21045584		22007389		22008989		22008990		22008991	
Sample Description		30B		31SW		32SW		33SW		34SW	
Location		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST	
Type Of Sample		SOIL		SOIL		SOIL		SOIL		SOIL	
Collected Date	(CAS#)	12/12/01 11:30 AM		2/27/02 8:00 AM		3/5/02 5:00 PM		3/5/02 5:02 PM		3/5/02 5:05 PM	
		Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg
2-Methylnaphthalene	91-57-6	0.17	0.34	0.17	0.34	0.175	0.35	0.17	0.34	0.175	0.35
Acenaphthene	83-32-9	0.17	0.34	0.17	0.34	0.175	0.35	0.17	0.34	0.175	0.35
Acenaphthylene	208-96-8	0.17	0.34	0.17	0.34	0.175	0.35	0.17	0.34	0.175	0.35
Anthracene	120-12-7	0.17	0.34	0.17	0.34	0.175	0.35	0.17	0.34	0.175	0.35
Benzo(a)anthracene	56-55-3	0.17	0.34	0.17	0.34	0.175	0.35	0.17	0.34	0.175	0.35
Benzo(a)pyrene	50-32-8	0.17	0.34	0.17	0.34	0.175	0.35	0.17	0.34	0.175	0.35
Benzo(b)fluoranthene	205-99-2	0.17	0.34	0.17	0.34	0.175	0.35	0.17	0.34	0.175	0.35
Benzo(g,h,i)perylene	191-24-2	0.17	0.34	0.17	0.34	0.175	0.35	0.17	0.34	0.175	0.35
Benzo(k)fluoranthene	207-08-9	0.17	0.34	0.17	0.34	0.175	0.35	0.17	0.34	0.175	0.35
Chrysene	218-01-9	0.17	0.34	0.17	0.34	0.175	0.35	0.17	0.34	0.175	0.35
Dibenzo(a,h)anthracene	53-70-3	0.17	0.34	0.17	0.34	0.175	0.35	0.17	0.34	0.175	0.35
Dibenzofuran	132-64-9	0.17	0.34	0.17	0.34	0.175	0.35	0.17	0.34	0.175	0.35
Fluoranthene	206-44-0	0.17	0.34	0.17	0.34	0.175	0.35	0.17	0.34	0.175	0.35
Fluorene	86-73-7	0.17	0.34	0.17	0.34	0.175	0.35	0.17	0.34	0.175	0.35
Indeno(1,2,3-c,d)pyrene	193-39-5	0.17	0.34	0.17	0.34	0.175	0.35	0.17	0.34	0.175	0.35
Naphthalene	91-20-3	0.17	0.34	0.17	0.34	0.175	0.35	0.17	0.34	0.175	0.35
Phenanthrene	85-01-8	0.17	0.34	0.17	0.34	0.175	0.35	0.17	0.34	0.175	0.35
Pyrene	129-00-0	0.17	0.34	0.17	0.34	0.175	0.35	0.17	0.34	0.175	0.35
Total PAH		3.06		3.06		3.15		3.06		3.15	
Total CPAH		1.19		1.19		1.23		1.19		1.23	
Total CPAH as BaP		0.39		0.39		0.40		0.39		0.40	

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Bramlette Road MGP Site
Remedial Action Plan - Final Report
Site Verification Sampling and Analytical Data Summary
EPA Method 8270 - PAHs

Sample Id		22008992		22014158		22014163		22014164		22014165	
Sample Description		35B		36SW		37B		38SW		39SW	
Location		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST	
Type Of Sample		SOIL		SOIL		SOIL		SOIL		SOIL	
Collected Date	(CAS#)	3/6/02 8:25 AM		4/11/02 2:15 PM		4/16/02 11:30 AM		4/18/02 2:15 PM		4/22/02 3:15 PM	
		Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg
2-Methylnaphthalene	91-57-6	0.17	0.34	0.7	1.4	2.9	---	0.7	1.4	0.6	1.2
Acenaphthene	83-32-9	0.17	0.34	0.7	1.4	0.6	1.2	0.7	1.4	0.6	1.2
Acenaphthylene	208-96-8	0.17	0.34	0.7	1.4	0.6	1.2	0.7	1.4	0.6	1.2
Anthracene	120-12-7	0.17	0.34	0.7	1.4	0.6	1.2	0.7	1.4	0.6	1.2
Benzo(a)anthracene	56-55-3	0.17	0.34	0.7	1.4	0.6	1.2	0.7	1.4	**4.9**	---
Benzo(a)pyrene	50-32-8	0.17	0.34	0.7	1.4	0.6	1.2	0.7	1.4	**5**	---
Benzo(b)fluoranthene	205-99-2	0.17	0.34	0.7	1.4	0.6	1.2	0.7	1.4	**5.3**	---
Benzo(g,h,i)perylene	191-24-2	0.17	0.34	0.7	1.4	0.6	1.2	0.7	1.4	4.2	---
Benzo(k)fluoranthene	207-08-9	0.17	0.34	0.7	1.4	0.6	1.2	0.7	1.4	**5**	---
Chrysene	218-01-9	0.17	0.34	0.7	1.4	0.6	1.2	0.7	1.4	**5.5**	---
Dibenzo(a,h)anthracene	53-70-3	0.17	0.34	0.7	1.4	0.6	1.2	0.7	1.4	**1.6**	---
Dibenzofuran	132-64-9	0.17	0.34	0.7	1.4	0.6	1.2	0.7	1.4	0.6	1.2
Fluoranthene	206-44-0	0.17	0.34	0.7	1.4	0.6	1.2	0.7	1.4	8	---
Fluorene	86-73-7	0.17	0.34	0.7	1.4	0.6	1.2	0.7	1.4	0.6	1.2
Indeno(1,2,3-c,d)pyrene	193-39-5	0.17	0.34	0.7	1.4	0.6	1.2	0.7	1.4	3.9	---
Naphthalene	91-20-3	0.17	0.34	0.7	1.4	2.8	---	0.7	1.4	0.6	1.2
Phenanthrene	85-01-8	0.17	0.34	0.7	1.4	1.7	---	0.7	1.4	4.6	---
Pyrene	129-00-0	0.17	0.34	0.7	1.4	0.6	1.2	0.7	1.4	7.7	---
Total PAH		3.06		12.60		16.40		12.60		**59.90**	
Total CPAH		1.19		4.90		4.20		4.90		**31.20**	
Total CPAH as BaP		0.39		1.62		1.39		1.62		**8.07**	

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Bold text indicates detected carcinogenic PAH compounds

Bramlette Road MGP Site
Remedial Action Plan - Final Report
Site Verification Sampling and Analytical Data Summary
EPA Method 8270 - PAHs

Sample Id		22014166		22015739		22015740		22015741		22015742	
Sample Description		40SW		41SW		42SW		43SW		44SW	
Location		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST	
Type Of Sample		SOIL		GROUNDWATER		GROUNDWATER		GROUNDWATER		GROUNDWATER	
Collected Date	(CAS#)	4/22/02 3:25 PM		4/29/02 2:35 PM		4/29/02 2:40 PM		4/30/02 3:25 PM		4/30/02 3:40 PM	
		Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg
2-Methylnaphthalene	91-57-6	0.65	1.3	0.75	1.5	3.4	---	0.8	1.6	0.7	1.4
Acenaphthene	83-32-9	0.65	1.3	0.75	1.5	4.2	---	0.8	1.6	0.7	1.4
Acenaphthylene	208-96-8	0.65	1.3	0.75	1.5	17	---	0.8	1.6	6.5	---
Anthracene	120-12-7	0.65	1.3	0.75	1.5	49	---	0.8	1.6	9	---
Benzo(a)anthracene	56-55-3	0.65	1.3	0.75	1.5	**100**	---	**3.3**	---	**28**	---
Benzo(a)pyrene	50-32-8	0.65	1.3	0.75	1.5	**81**	---	**3.9**	---	**24**	---
Benzo(b)fluoranthene	205-99-2	0.65	1.3	0.75	1.5	**70**	---	**3.7**	---	**20**	---
Benzo(g,h,i)perylene	191-24-2	0.65	1.3	0.75	1.5	46	---	3	---	16	---
Benzo(k)fluoranthene	207-08-9	0.65	1.3	0.75	1.5	**80**	---	**3**	---	**27**	---
Chrysene	218-01-9	0.65	1.3	0.75	1.5	**94**	---	**3.3**	---	**29**	---
Dibenzo(a,h)anthracene	53-70-3	0.65	1.3	0.75	1.5	**23**	---	0.8	1.6	**5.8**	---
Dibenzofuran	132-64-9	0.65	1.3	0.75	1.5	8.6	---	0.8	1.6	2.4	---
Fluoranthene	206-44-0	0.65	1.3	0.75	1.5	210	---	5.2	---	65	---
Fluorene	86-73-7	0.65	1.3	0.75	1.5	20	---	0.8	1.6	3.4	---
Indeno(1,2,3-c,d)pyrene	193-39-5	0.65	1.3	0.75	1.5	**44**	---	**2.9**	---	**17**	---
Naphthalene	91-20-3	0.65	1.3	0.75	1.5	3.3	---	0.8	1.6	0.7	1.4
Phenanthrene	85-01-8	0.65	1.3	0.75	1.5	170	---	0.8	1.6	49	---
Pyrene	129-00-0	0.65	1.3	0.75	1.5	230	---	5.5	---	67	---
Total PAH		11.70		13.50		**1253.50**		**41.00**		**371.20**	
Total CPAH		4.55		5.25		**492.00**		**20.90**		**150.80**	
Total CPAH as BaP		1.50		1.73		**126.29**		**5.72**		**36.60**	

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Bramlette Road MGP Site
Remedial Action Plan - Final Report
Site Verification Sampling and Analytical Data Summary
EPA Method 8270 - PAHs

Sample Id		22017843		22017844		22017845		22017846		22017847	
Sample Description		45B		46SW		47SW		48SW		49SW	
Location		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST	
Type Of Sample		SOIL		SOIL		SOIL		SOIL		SOIL	
Collected Date	(CAS#)	5/8/02 2:50 PM		5/8/02 3:15 PM		5/13/02 1:45 PM		5/15/02 8:15 AM		5/15/02 9:15 AM	
		Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg
2-Methylnaphthalene	91-57-6	0.8	1.6	2.9	---	0.8	1.6	0.6	1.2	70	---
Acenaphthene	83-32-9	0.8	1.6	2.9	---	0.8	1.6	0.6	1.2	63	---
Acenaphthylene	208-96-8	0.8	1.6	45	---	8	16	0.6	1.2	9.5	---
Anthracene	120-12-7	0.8	1.6	14	---	0.8	1.6	0.6	1.2	31	---
Benzo(a)anthracene	56-55-3	0.8	1.6	**140**	---	**27**	---	**4.7**	---	**30**	---
Benzo(a)pyrene	50-32-8	0.8	1.6	**180**	---	**25**	---	**4.4**	---	**28**	---
Benzo(b)fluoranthene	205-99-2	0.8	1.6	**120**	---	**23**	---	**4.7**	---	**17**	---
Benzo(g,h,i)perylene	191-24-2	0.8	1.6	100	---	21	---	4.1	---	16	---
Benzo(k)fluoranthene	207-08-9	0.8	1.6	**130**	---	**26**	---	**4.9**	---	**19**	---
Chrysene	218-01-9	0.8	1.6	**140**	---	**29**	---	**5.1**	---	**29**	---
Dibenzo(a,h)anthracene	53-70-3	0.8	1.6	**17**	---	8	16	0.6	1.2	**7.3**	---
Dibenzofuran	132-64-9	0.8	1.6	2.7	---	0.8	1.6	0.6	1.2	38	---
Fluoranthene	206-44-0	0.8	1.6	160	---	43	---	8.7	---	62	---
Fluorene	86-73-7	0.8	1.6	7.8	---	0.8	1.6	0.6	1.2	42	---
Indeno(1,2,3-c,d)pyrene	193-39-5	0.8	1.6	**100**	---	**22**	---	**4.3**	---	**16**	---
Naphthalene	91-20-3	0.8	1.6	6.1	---	0.8	1.6	0.6	1.2	290	---
Phenanthrene	85-01-8	0.8	1.6	22	---	28	---	5.9	---	130	---
Pyrene	129-00-0	0.8	1.6	250	---	48	---	7.8	---	68	---
Total PAH		14.40		**1440.40**		**312.80**		**59.40**		**965.80**	
Total CPAH		5.60		**827.00**		**160.00**		**28.70**		**146.30**	
Total CPAH as BaP		1.85		**234.44**		**40.49**		**6.42**		**41.82**	

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Bramlette Road MGP Site
Remedial Action Plan - Final Report
Site Verification Sampling and Analytical Data Summary
EPA Method 8270 - PAHs

Sample Id		22017849		22019383		22019384		22019385		22019386	
Sample Description		50B		51SW		52SW		53SW		54B	
Location		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST	
Type Of Sample		SOIL		SOIL		SOIL		SOIL		SOIL	
Collected Date	(CAS#)	5/15/02 9:22 AM		5/20/02 8:30 AM		5/29/02 16:10:00 PM		5/29/02 16:14:00 PM		5/29/02 16:20:00 PM	
		Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg
2-Methylnaphthalene	91-57-6	8.2	---	0.6	1.2	0.6	1.2	2.4	--	0.6	1.2
Acenaphthene	83-32-9	1.6	---	0.6	1.2	0.6	1.2	1.2	--	0.6	1.2
Acenaphthylene	208-96-8	3.6	---	3.9	--	0.6	1.2	25	--	0.6	1.2
Anthracene	120-12-7	1.3	---	2.5	--	0.6	1.2	17	--	0.6	1.2
Benzo(a)anthracene	56-55-3	0.65	1.3	**18**	--	**8.6**	--	**120**	--	0.6	1.2
Benzo(a)pyrene	50-32-8	0.65	1.3	**19**	--	**11**	--	**120**	--	0.6	1.2
Benzo(b)fluoranthene	205-99-2	0.65	1.3	**26**	--	**13**	--	**64**	--	0.6	1.2
Benzo(g,h,i)perylene	191-24-2	0.65	1.3	14	--	6.7	--	42	--	0.6	1.2
Benzo(k)fluoranthene	207-08-9	0.65	1.3	**22**	--	**9.7**	--	**82**	--	0.6	1.2
Chrysene	218-01-9	0.65	1.3	**22**	--	**8.2**	--	**98**	--	0.6	1.2
Dibenzo(a,h)anthracene	53-70-3	0.65	1.3	**3.2**	--	**1.7**	--	**9.5**	--	0.6	1.2
Dibenzofuran	132-64-9	3.9	---	0.6	1.2	0.6	1.2	3	--	0.6	1.2
Fluoranthene	206-44-0	2.2	---	27	--	8.9	--	0.6	1.2	0.6	1.2
Fluorene	86-73-7	3.4	---	0.6	1.2	0.6	1.2	5	--	0.6	1.2
Indeno(1,2,3-c,d)pyrene	193-39-5	0.65	1.3	**13**	--	**6.4**	--	**38**	--	0.6	1.2
Naphthalene	91-20-3	48	---	2.9	--	0.6	1.2	2.5	--	0.6	1.2
Phenanthrene	85-01-8	7.3	---	8.2	--	0.6	1.2	54	--	0.6	1.2
Pyrene	129-00-0	2.2	---	30	--	13	--	270	--	0.6	1.2
Total PAH		86.90		**214.10**		**92.00**		**954.20**		10.80	
Total CPAH		4.55		**123.20**		**58.60**		**531.50**		4.20	
Total CPAH as BaP		1.50		**28.14**		**15.61**		**152.62**		1.39	

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Bramlette Road MGP Site
Remedial Action Plan - Final Report
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EPA Method 8270 - PAHs

Sample Id		22021399		22021400		22021401		22021402		22021403	
Sample Description		55SW		56SW		57SW		58B		59SW	
Location		BRAMLETT		BRAMLETT		*SUBURBAN PROPANE*		*SUBURBAN PROPANE*		*SUBURBAN PROPANE*	
Type Of Sample		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL	
Collected Date	(CAS#)	6/5/02 1:00 PM		6/5/02 1:12 PM		6/10/02 2:10 PM		6/10/02 2:30 PM		6/11/02 7:40 AM	
		Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg
2-Methylnaphthalene	91-57-6	0.18	0.36	0.16	0.32	0.175	0.35	0.165	0.33	0.185	0.37
Acenaphthene	83-32-9	0.18	0.36	0.16	0.32	0.49	--	0.165	0.33	0.185	0.37
Acenaphthylene	208-96-8	0.18	0.36	0.65	--	0.175	0.35	0.165	0.33	0.185	0.37
Anthracene	120-12-7	0.18	0.36	0.72	--	0.175	0.35	0.165	0.33	0.185	0.37
Benzo(a)anthracene	56-55-3	0.18	0.36	0.16	0.32	0.175	0.35	0.165	0.33	0.185	0.37
Benzo(a)pyrene	50-32-8	0.18	0.36	**3**	--	0.175	0.35	0.165	0.33	0.185	0.37
Benzo(b)fluoranthene	205-99-2	0.18	0.36	**2.6**	--	0.175	0.35	0.165	0.33	0.185	0.37
Benzo(g,h,i)perylene	191-24-2	0.18	0.36	1.6	--	0.175	0.35	0.165	0.33	0.185	0.37
Benzo(k)fluoranthene	207-08-9	0.18	0.36	**2.9**	--	0.175	0.35	0.165	0.33	0.185	0.37
Chrysene	218-01-9	0.18	0.36	**3.1**	--	0.175	0.35	0.165	0.33	0.185	0.37
Dibenzo(a,h)anthracene	53-70-3	0.18	0.36	**0.51**	--	0.175	0.35	0.165	0.33	0.185	0.37
Dibenzofuran	132-64-9	0.18	0.36	0.16	0.32	0.175	0.35	0.165	0.33	0.185	0.37
Fluoranthene	206-44-0	0.18	0.36	6.5	--	0.175	0.35	0.165	0.33	0.185	0.37
Fluorene	86-73-7	0.18	0.36	0.16	0.32	0.79	--	0.165	0.33	0.185	0.37
Indeno(1,2,3-c,d)pyrene	193-39-5	0.18	0.36	**1.7**	--	0.175	0.35	0.165	0.33	0.185	0.37
Naphthalene	91-20-3	0.18	0.36	0.16	0.32	0.175	0.35	0.165	0.33	0.185	0.37
Phenanthrene	85-01-8	0.18	0.36	4	--	0.175	0.35	0.165	0.33	0.185	0.37
Pyrene	129-00-0	0.18	0.36	5.8	--	0.175	0.35	0.165	0.33	0.185	0.37
Total PAH		3.24		**34.04**		4.08		2.97		3.33	
Total CPAH		1.26		**13.97**		1.23		1.16		1.30	
Total CPAH as BaP		0.42		**3.99**		0.40		0.38		0.43	

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Bramlette Road MGP Site
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Site Verification Sampling and Analytical Data Summary
EPA Method 8270 - PAHs

Sample Id		22021404		22021405		22021406		22021407		22021408	
Sample Description		60B		61SW		62B		63SW		64B	
Location		*SUBURBAN PROPANE*		*SUBURBAN PROPANE*		*SUBURBAN PROPANE*		*SUBURBAN PROPANE*		*SUBURBAN PROPANE*	
Type Of Sample		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL	
Collected Date	(CAS#)	6/11/02 8:10 AM		6/11/02 10:45 AM		6/11/02 11:10 AM		6/12/02 8:15 AM		6/12/02 8:30 AM	
		Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg
2-Methylnaphthalene	91-57-6	0.18	0.36	0.87	---	0.175	0.35	16.5	33	0.175	0.35
Acenaphthene	83-32-9	0.18	0.36	0.18	0.36	0.175	0.35	16.5	33	0.175	0.35
Acenaphthylene	208-96-8	0.18	0.36	0.18	0.36	0.175	0.35	16.5	33	0.175	0.35
Anthracene	120-12-7	0.18	0.36	0.18	0.36	0.175	0.35	16.5	33	0.175	0.35
Benzo(a)anthracene	56-55-3	0.18	0.36	0.18	0.36	0.175	0.35	16.5	33	0.175	0.35
Benzo(a)pyrene	50-32-8	0.18	0.36	0.18	0.36	0.175	0.35	16.5	33	0.175	0.35
Benzo(b)fluoranthene	205-99-2	0.18	0.36	0.18	0.36	0.175	0.35	16.5	33	0.175	0.35
Benzo(g,h,i)perylene	191-24-2	0.18	0.36	0.18	0.36	0.175	0.35	16.5	33	0.175	0.35
Benzo(k)fluoranthene	207-08-9	0.18	0.36	0.18	0.36	0.175	0.35	16.5	33	0.175	0.35
Chrysene	218-01-9	0.18	0.36	0.18	0.36	0.175	0.35	16.5	33	0.175	0.35
Dibenzo(a,h)anthracene	53-70-3	0.18	0.36	0.18	0.36	0.175	0.35	16.5	33	0.175	0.35
Dibenzofuran	132-64-9	0.18	0.36	0.18	0.36	0.175	0.35	16.5	33	0.175	0.35
Fluoranthene	206-44-0	0.18	0.36	0.18	0.36	0.175	0.35	16.5	33	0.175	0.35
Fluorene	86-73-7	0.18	0.36	0.18	0.36	0.175	0.35	16.5	33	0.175	0.35
Indeno(1,2,3-c,d)pyrene	193-39-5	0.18	0.36	0.18	0.36	0.175	0.35	16.5	33	0.175	0.35
Naphthalene	91-20-3	0.18	0.36	0.18	0.36	0.175	0.35	16.5	33	0.175	0.35
Phenanthrene	85-01-8	0.18	0.36	0.18	0.36	0.175	0.35	16.5	33	0.175	0.35
Pyrene	129-00-0	0.18	0.36	0.18	0.36	0.175	0.35	16.5	33	0.175	0.35
Total PAH		3.24		3.93		3.15		297.00		3.15	
Total CPAH		1.26		1.26		1.23		115.50		1.23	
Total CPAH as BaP		0.42		0.42		0.40		38.13		0.40	

Note: "---" in the Detection Limit column indicates that an actual detected value is reported in the Analysis Result column.
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Bold text indicates detected carcinogenic PAH compounds

Bramlette Road MGP Site
Remedial Action Plan - Final Report
Site Verification Sampling and Analytical Data Summary
EPA Method 8270 - PAHs

Sample Id		22023252		22023253		22023254		22023255		22025154	
Sample Description		65SW		66SW		67SW		68B		69SW	
Location		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT	
Type Of Sample		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL	
Collected Date	(CAS#)	6/17/02 12:40 PM		6/17/02 12:48 PM		6/17/02 1:00 PM		6/18/02 10:00 AM		7/3/02 11:00 AM	
		Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg
2-Methylnaphthalene	91-57-6	0.7	1.4	0.55	1.1	0.65	1.3	20	--	0.5	1
Acenaphthene	83-32-9	0.7	1.4	0.55	1.1	0.65	1.3	8.4	--	0.5	1
Acenaphthylene	208-96-8	0.7	1.4	0.55	1.1	0.65	1.3	0.7	1.4	0.5	1
Anthracene	120-12-7	0.7	1.4	0.55	1.1	0.65	1.3	3	--	0.5	1
Benzo(a)anthracene	56-55-3	0.7	1.4	**3.9**	--	0.65	1.3	0.7	1.4	0.5	1
Benzo(a)pyrene	50-32-8	0.7	1.4	**3.4**	--	0.65	1.3	0.7	1.4	0.5	1
Benzo(b)fluoranthene	205-99-2	0.7	1.4	**3.7**	--	0.65	1.3	0.7	1.4	0.5	1
Benzo(g,h,i)perylene	191-24-2	0.7	1.4	1.6	--	0.65	1.3	0.7	1.4	0.5	1
Benzo(k)fluoranthene	207-08-9	0.7	1.4	**3.7**	--	0.65	1.3	0.7	1.4	0.5	1
Chrysene	218-01-9	0.7	1.4	**4.1**	--	0.65	1.3	0.7	1.4	0.5	1
Dibenzo(a,h)anthracene	53-70-3	0.7	1.4	0.55	1.1	0.65	1.3	0.7	1.4	0.5	1
Dibenzofuran	132-64-9	0.7	1.4	0.55	1.1	0.65	1.3	1.6	--	0.5	1
Fluoranthene	206-44-0	1.4	--	8.4	--	0.65	1.3	3	--	1.4	--
Fluorene	86-73-7	0.7	1.4	0.55	1.1	0.65	1.3	4.1	--	0.5	1
Indeno(1,2,3-c,d)pyrene	193-39-5	0.7	1.4	**1.6**	--	0.65	1.3	0.7	1.4	0.5	1
Naphthalene	91-20-3	0.7	1.4	0.55	1.1	0.65	1.3	26	--	0.5	1
Phenanthrene	85-01-8	0.7	1.4	4.2	--	0.65	1.3	11	--	0.5	1
Pyrene	129-00-0	1.6	--	7.7	--	0.65	1.3	4.7	--	1.3	--
Total PAH		14.20		**46.70**		11.70		88.10		10.70	
Total CPAH		4.90		**20.95**		4.55		4.90		3.50	
Total CPAH as BaP		1.62		**4.91**		1.50		1.62		1.16	

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Bold text indicates detected carcinogenic PAH compounds

Bramlette Road MGP Site
Remedial Action Plan - Final Report
Site Verification Sampling and Analytical Data Summary
EPA Method 8270 - PAHs

Sample Id		22025155		22025156		22025157		22025158		22025159	
Sample Description		70B		71SW		72SW		73SW		74B	
Location		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT	
Type Of Sample		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL	
Collected Date	(CAS#)	7/3/02 11:00 AM		7/8/02 10:00 AM		7/8/02 12:40 PM		7/8/02 2:00 PM		7/8/02 2:06 PM	
		Analysis Result	Detection Limit	Analysis Result	Detection Limit	Analysis Result	Detection Limit	Analysis Result	Detection Limit	Analysis Result	Detection Limit
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
2-Methylnaphthalene	91-57-6	0.55	1.1	2.1	--	0.6	1.2	0.6	1.2	20	--
Acenaphthene	83-32-9	0.55	1.1	0.65	1.3	0.6	1.2	0.6	1.2	0.5	1
Acenaphthylene	208-96-8	0.55	1.1	3	--	2.8	--	2.4	--	3.7	--
Anthracene	120-12-7	0.55	1.1	4.3	--	0.6	1.2	1.4	--	4	--
Benzo(a)anthracene	56-55-3	0.55	1.1	**7.4**	--	**12**	--	**7**	--	**3.5**	--
Benzo(a)pyrene	50-32-8	0.55	1.1	**6.3**	--	**11**	--	**5.9**	--	**2.6**	--
Benzo(b)fluoranthene	205-99-2	0.55	1.1	**4.5**	--	**20**	--	**11**	--	**1.9**	--
Benzo(g,h,i)perylene	191-24-2	0.55	1.1	2.6	--	10	--	4.8	--	1.2	--
Benzo(k)fluoranthene	207-08-9	0.55	1.1	**6.5**	--	**18**	--	**9.3**	--	**2.5**	--
Chrysene	218-01-9	0.55	1.1	**6.8**	--	**13**	--	**7.4**	--	**3**	--
Dibenzo(a,h)anthracene	53-70-3	0.55	1.1	0.65	1.3	**3.3**	--	**1.8**	--	0.5	1
Dibenzofuran	132-64-9	0.55	1.1	1.7	--	0.6	1.2	0.6	1.2	3.7	--
Fluoranthene	206-44-0	0.55	1.1	11	--	15	--	11	--	8.9	--
Fluorene	86-73-7	0.55	1.1	3	--	0.6	1.2	0.6	1.2	3.6	--
Indeno(1,2,3-c,d)pyrene	193-39-5	0.55	1.1	**2.9**	--	**11**	--	**5.4**	--	**1.1**	--
Naphthalene	91-20-3	0.55	1.1	3	--	4.5	--	0.6	1.2	42	--
Phenanthrene	85-01-8	0.55	1.1	15	--	3.2	--	5	--	13	--
Pyrene	129-00-0	0.55	1.1	11	--	15	--	10	--	7.9	--
Total PAH		9.90		**92.40**		**141.80**		**85.40**		**123.60**	
Total CPAH		3.85		**35.05**		**88.30**		**47.80**		**15.10**	
Total CPAH as BaP		1.27		**8.50**		**18.79**		**10.14**		**3.78**	

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Bramlette Road MGP Site
Remedial Action Plan - Final Report
Site Verification Sampling and Analytical Data Summary
EPA Method 8270 - PAHs

Sample Id		22026557		22026563		22026564		22027476		22027477	
Sample Description		75SW		76SW		77SW		78B		79SW	
Location		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT	
Type Of Sample		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL	
Collected Date	(CAS#)	7/15/02 3:30 PM		7/17/02 2:30 PM		7/18/02 9:20 AM		7/23/02 5:00 PM		7/24/02 3:30 PM	
		Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg
2-Methylnaphthalene	91-57-6	0.6	1.2	0.55	1.1	0.55	1.1	0.6	1.2	0.55	1.1
Acenaphthene	83-32-9	0.6	1.2	0.55	1.1	0.55	1.1	0.6	1.2	0.55	1.1
Acenaphthylene	208-96-8	0.6	1.2	0.55	1.1	0.55	1.1	0.6	1.2	0.55	1.1
Anthracene	120-12-7	0.6	1.2	0.55	1.1	0.55	1.1	0.6	1.2	0.55	1.1
Benzo(a)anthracene	56-55-3	0.6	1.2	0.55	1.1	0.55	1.1	0.6	1.2	0.55	1.1
Benzo(a)pyrene	50-32-8	0.6	1.2	0.55	1.1	0.55	1.1	0.6	1.2	0.55	1.1
Benzo(b)fluoranthene	205-99-2	0.6	1.2	0.55	1.1	0.55	1.1	0.6	1.2	0.55	1.1
Benzo(g,h,i)perylene	191-24-2	0.6	1.2	0.55	1.1	0.55	1.1	0.6	1.2	0.55	1.1
Benzo(k)fluoranthene	207-08-9	0.6	1.2	0.55	1.1	0.55	1.1	0.6	1.2	0.55	1.1
Chrysene	218-01-9	0.6	1.2	0.55	1.1	0.55	1.1	0.6	1.2	0.55	1.1
Dibenzo(a,h)anthracene	53-70-3	0.6	1.2	0.55	1.1	0.55	1.1	0.6	1.2	0.55	1.1
Dibenzofuran	132-64-9	0.6	1.2	0.55	1.1	0.55	1.1	0.6	1.2	0.55	1.1
Fluoranthene	206-44-0	1.6	--	0.55	1.1	0.55	1.1	0.6	1.2	0.55	1.1
Fluorene	86-73-7	0.6	1.2	0.55	1.1	0.55	1.1	0.6	1.2	0.55	1.1
Indeno(1,2,3-c,d)pyrene	193-39-5	0.6	1.2	0.55	1.1	0.55	1.1	0.6	1.2	0.55	1.1
Naphthalene	91-20-3	0.6	1.2	0.55	1.1	0.55	1.1	0.6	1.2	0.55	1.1
Phenanthrene	85-01-8	0.6	1.2	0.55	1.1	0.55	1.1	0.6	1.2	0.55	1.1
Pyrene	129-00-0	1.6	--	0.55	1.1	0.55	1.1	0.6	1.2	0.55	1.1
Total PAH		12.80		9.90		9.90		10.80		9.90	
Total CPAH		4.20		3.85		3.85		4.20		3.85	
Total CPAH as BaP		1.39		1.27		1.27		1.39		1.27	

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Bramlette Road MGP Site
Remedial Action Plan - Final Report
Site Verification Sampling and Analytical Data Summary
EPA Method 8270 - PAHs

Sample Id		22030211		22030212		22037771		22037772		22037773	
Sample Description		80B		81B		82SW		83SW		84SW	
Location		BRAMLETTE		BRAMLETTE		BRAMLETTE		BRAMLETTE		BRAMLETTE	
Type Of Sample		SOIL SPECIAL		SOIL SPECIAL		SOIL SPECIAL		SOIL SPECIAL		SOIL SPECIAL	
Collected Date	(CAS#)	8/5/02 2:40 PM		8/8/02 9:00 AM		9/30/02 2:10 PM		10/1/02 8:45 AM		10/1/02 1:10 PM	
		Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg
2-Methylnaphthalene	91-57-6	0.55	1.1	0.6	1.2	0.55	1.1	0.5	1	0.47	0.94
Acenaphthene	83-32-9	0.55	1.1	0.6	1.2	0.55	1.1	0.5	1	0.47	0.94
Acenaphthylene	208-96-8	0.55	1.1	0.6	1.2	0.55	1.1	0.5	1	0.47	0.94
Anthracene	120-12-7	0.55	1.1	0.6	1.2	0.55	1.1	0.5	1	0.47	0.94
Benzo(a)anthracene	56-55-3	0.55	1.1	0.6	1.2	0.55	1.1	0.5	1	0.47	0.94
Benzo(a)pyrene	50-32-8	0.55	1.1	0.6	1.2	**1.5**	--	0.5	1	0.47	0.94
Benzo(b)fluoranthene	205-99-2	0.55	1.1	0.6	1.2	**2.3**	--	0.5	1	0.47	0.94
Benzo(g,h,i)perylene	191-24-2	0.55	1.1	0.6	1.2	1.9	--	0.5	1	0.47	0.94
Benzo(k)fluoranthene	207-08-9	0.55	1.1	0.6	1.2	**1.8**	--	0.5	1	0.47	0.94
Chrysene	218-01-9	0.55	1.1	0.6	1.2	0.55	1.1	0.5	1	0.47	0.94
Dibenzo(a,h)anthracene	53-70-3	0.55	1.1	0.6	1.2	0.55	1.1	0.5	1	0.47	0.94
Dibenzofuran	132-64-9	0.55	1.1	0.6	1.2	0.55	1.1	0.5	1	0.47	0.94
Fluoranthene	206-44-0	0.55	1.1	0.6	1.2	0.55	1.1	0.5	1	0.47	0.94
Fluorene	86-73-7	0.55	1.1	0.6	1.2	0.55	1.1	0.5	1	0.47	0.94
Indeno(1,2,3-c,d)pyrene	193-39-5	0.55	1.1	0.6	1.2	**1.8**	--	0.5	1	0.47	0.94
Naphthalene	91-20-3	0.55	1.1	0.6	1.2	0.55	1.1	0.5	1	0.47	0.94
Phenanthrene	85-01-8	0.55	1.1	0.6	1.2	0.55	1.1	0.5	1	0.47	0.94
Pyrene	129-00-0	0.55	1.1	0.6	1.2	0.55	1.1	0.5	1	0.47	0.94
Total PAH		9.90		10.80		**16.45**		9.00		8.46	
Total CPAH		3.85		4.20		**9.05**		3.50		3.29	
Total CPAH as BaP		1.27		1.39		**2.53**		1.16		1.09	

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Bramlette Road MGP Site
Remedial Action Plan - Final Report
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EPA Method 8270 - PAHs

Sample Id		22037779		22037780		22037782		22037783		22037785	
Sample Description		85B		86SW		87B		88SW		89SW	
Location		BRAMLETTE		BRAMLETTE		BRAMLETTE		BRAMLETTE		BRAMLETTE	
Type Of Sample		SOIL SPECIAL		SOIL SPECIAL		SOIL SPECIAL		SOIL SPECIAL		SOIL SPECIAL	
Collected Date	(CAS#)	10/1/02 1:20 PM		10/1/02 1:25 PM		10/2/02 8:30 AM		10/2/02 8:40 AM		10/3/02 1:15 PM	
		Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg
2-Methylnaphthalene	91-57-6	0.47	0.94	0.435	0.87	0.43	0.86	0.365	0.73	0.75	1.5
Acenaphthene	83-32-9	0.47	0.94	0.435	0.87	0.43	0.86	0.365	0.73	0.75	1.5
Acenaphthylene	208-96-8	0.47	0.94	0.435	0.87	0.43	0.86	0.365	0.73	0.75	1.5
Anthracene	120-12-7	0.47	0.94	0.435	0.87	0.43	0.86	0.365	0.73	0.75	1.5
Benzo(a)anthracene	56-55-3	0.47	0.94	0.435	0.87	0.43	0.86	0.365	0.73	0.75	1.5
Benzo(a)pyrene	50-32-8	0.47	0.94	0.435	0.87	0.43	0.86	0.365	0.73	0.75	1.5
Benzo(b)fluoranthene	205-99-2	0.47	0.94	0.435	0.87	0.43	0.86	0.365	0.73	0.75	1.5
Benzo(g,h,i)perylene	191-24-2	0.47	0.94	0.435	0.87	0.43	0.86	0.365	0.73	0.75	1.5
Benzo(k)fluoranthene	207-08-9	0.47	0.94	0.435	0.87	0.43	0.86	0.365	0.73	0.75	1.5
Chrysene	218-01-9	0.47	0.94	0.435	0.87	0.43	0.86	0.365	0.73	0.75	1.5
Dibenzo(a,h)anthracene	53-70-3	0.47	0.94	0.435	0.87	0.43	0.86	0.365	0.73	0.75	1.5
Dibenzofuran	132-64-9	0.47	0.94	0.435	0.87	0.43	0.86	0.365	0.73	0.75	1.5
Fluoranthene	206-44-0	0.47	0.94	0.435	0.87	0.43	0.86	0.365	0.73	0.75	1.5
Fluorene	86-73-7	0.47	0.94	0.435	0.87	0.43	0.86	0.365	0.73	0.75	1.5
Indeno(1,2,3-c,d)pyrene	193-39-5	0.47	0.94	0.435	0.87	0.43	0.86	0.365	0.73	0.75	1.5
Naphthalene	91-20-3	0.47	0.94	0.435	0.87	0.43	0.86	0.365	0.73	0.75	1.5
Phenanthrene	85-01-8	0.47	0.94	0.435	0.87	0.43	0.86	0.365	0.73	0.75	1.5
Pyrene	129-00-0	0.47	0.94	0.435	0.87	0.43	0.86	0.365	0.73	1.8	---
Total PAH		8.46		7.83		7.74		6.57		14.55	
Total CPAH		3.29		3.05		3.01		2.56		5.25	
Total CPAH as BaP		1.09		1.01		0.99		0.84		1.73	

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Bramlette Road MGP Site
Remedial Action Plan - Final Report
Site Verification Sampling and Analytical Data Summary
EPA Method 8270 - PAHs

Sample Id		922563796		922563804		922563812		922563820		922563838	
Sample Description		90SW		91SW		92SW		93SW		94SW	
Location		*SUBURBAN PROPANE*		*SUBURBAN PROPANE*		*SUBURBAN PROPANE*		*SUBURBAN PROPANE*		*SUBURBAN PROPANE*	
Type Of Sample		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL	
Collected Date	(CAS#)	10/8/02 1:05 PM		10/8/02 1:11 PM		10/8/02 1:16 PM		10/8/02 1:30 PM		10/8/02 1:39 PM	
		Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg
2-Methylnaphthalene	91-57-6	0.19	0.38	0.415	0.83	0.83	--	0.185	0.37	0.195	0.39
Acenaphthene	83-32-9	0.19	0.38	0.415	0.83	0.23	0.46	0.185	0.37	0.195	0.39
Acenaphthylene	208-96-8	0.19	0.38	0.415	0.83	0.23	0.46	0.185	0.37	0.195	0.39
Anthracene	120-12-7	0.19	0.38	0.415	0.83	0.23	0.46	0.185	0.37	0.195	0.39
Benzo(a)anthracene	56-55-3	0.19	0.38	0.415	0.83	0.23	0.46	0.185	0.37	0.195	0.39
Benzo(a)pyrene	50-32-8	0.19	0.38	0.415	0.83	0.23	0.46	0.185	0.37	0.195	0.39
Benzo(b)fluoranthene	205-99-2	0.19	0.38	0.415	0.83	0.23	0.46	0.185	0.37	0.195	0.39
Benzo(g,h,i)perylene	191-24-2	0.19	0.38	0.415	0.83	0.23	0.46	0.185	0.37	0.195	0.39
Benzo(k)fluoranthene	207-08-9	0.19	0.38	0.415	0.83	0.23	0.46	0.185	0.37	0.195	0.39
Chrysene	218-01-9	0.19	0.38	0.415	0.83	0.23	0.46	0.185	0.37	0.195	0.39
Dibenzo(a,h)anthracene	53-70-3	0.19	0.38	0.415	0.83	0.23	0.46	0.185	0.37	0.195	0.39
Dibenzofuran	132-64-9	0.19	0.38	0.415	0.83	0.23	0.46	0.185	0.37	0.195	0.39
Fluoranthene	206-44-0	0.19	0.38	0.415	0.83	0.23	0.46	0.185	0.37	0.195	0.39
Fluorene	86-73-7	0.19	0.38	0.415	0.83	0.23	0.46	0.185	0.37	0.195	0.39
Indeno(1,2,3-c,d)pyrene	193-39-5	0.19	0.38	0.415	0.83	0.23	0.46	0.185	0.37	0.195	0.39
Naphthalene	91-20-3	0.19	0.38	0.415	0.83	0.49	--	0.185	0.37	0.195	0.39
Phenanthrene	85-01-8	0.19	0.38	0.415	0.83	0.23	0.46	0.185	0.37	0.195	0.39
Pyrene	129-00-0	0.19	0.38	0.415	0.83	0.23	0.46	0.41	0.37	0.195	0.39
Total PAH		3.42		7.47		5.00		3.56		3.51	
Total CPAH		1.33		2.91		1.61		1.30		1.37	
Total CPAH as BaP		0.44		0.96		0.53		0.43		0.45	

Note: "---" in the Detection Limit column indicates that an actual detected value is reported in the Analysis Result column.
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Bold text indicates detected carcinogenic PAH compounds

Bramlette Road MGP Site
Remedial Action Plan - Final Report
Site Verification Sampling and Analytical Data Summary
EPA Method 8270 - PAHs

Sample Id		22039411		22039412		22039413		22039415		22039416	
Sample Description		95SW		96SW		97SW		98B		99SW	
Location		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT	
Type Of Sample		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL	
Collected Date	(CAS#)	10/9/02 1:00 PM		10/9/02 1:10 PM		10/9/02 1:12 PM		10/10/02 8:30 AM		10/10/02 8:40 AM	
		Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg
2-Methylnaphthalene	91-57-6	0.55	1.1	0.6	1.2	0.6	1.2	0.7	1.4	0.55	1.1
Acenaphthene	83-32-9	0.55	1.1	0.6	1.2	0.6	1.2	0.7	1.4	0.55	1.1
Acenaphthylene	208-96-8	0.55	1.1	0.6	1.2	0.6	1.2	0.7	1.4	0.55	1.1
Anthracene	120-12-7	0.55	1.1	0.6	1.2	0.6	1.2	0.7	1.4	0.55	1.1
Benzo(a)anthracene	56-55-3	0.55	1.1	0.6	1.2	0.6	1.2	0.7	1.4	0.55	1.1
Benzo(a)pyrene	50-32-8	0.55	1.1	0.6	1.2	0.6	1.2	0.7	1.4	0.55	1.1
Benzo(b)fluoranthene	205-99-2	0.55	1.1	0.6	1.2	0.6	1.2	0.7	1.4	0.55	1.1
Benzo(g,h,i)perylene	191-24-2	0.55	1.1	0.6	1.2	0.6	1.2	0.7	1.4	0.55	1.1
Benzo(k)fluoranthene	207-08-9	0.55	1.1	0.6	1.2	0.6	1.2	0.7	1.4	0.55	1.1
Chrysene	218-01-9	0.55	1.1	0.6	1.2	0.6	1.2	0.7	1.4	0.55	1.1
Dibenzo(a,h)anthracene	53-70-3	0.55	1.1	0.6	1.2	0.6	1.2	0.7	1.4	0.55	1.1
Dibenzofuran	132-64-9	0.55	1.1	0.6	1.2	0.6	1.2	0.7	1.4	0.55	1.1
Fluoranthene	206-44-0	0.55	1.1	0.6	1.2	0.6	1.2	0.7	1.4	0.55	1.1
Fluorene	86-73-7	0.55	1.1	0.6	1.2	0.6	1.2	0.7	1.4	0.55	1.1
Indeno(1,2,3-c,d)pyrene	193-39-5	0.55	1.1	0.6	1.2	0.6	1.2	0.7	1.4	0.55	1.1
Naphthalene	91-20-3	0.55	1.1	0.6	1.2	2.5	---	0.7	1.4	0.55	1.1
Phenanthrene	85-01-8	0.55	1.1	0.6	1.2	0.6	1.2	0.7	1.4	0.55	1.1
Pyrene	129-00-0	0.55	1.1	0.6	1.2	0.6	1.2	0.7	1.4	0.55	1.1
Total PAH		9.90		10.80		12.70		12.60		9.90	
Total CPAH		3.85		4.20		4.20		4.90		3.85	
Total CPAH as BaP		1.27		1.39		1.39		1.62		1.27	

Note: "---" in the Detection Limit column indicates that an actual detected value is reported in the Analysis Result column.
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Bramlette Road MGP Site
Remedial Action Plan - Final Report
Site Verification Sampling and Analytical Data Summary
EPA Method 8270 - PAHs

Sample Id		22039417		22039418		22039419		22045005	
Sample Description		100SW		101SW		102SW		103B	
Location		BRAMLETT		BRAMLETT		BRAMLETT		BRAMLETT	
Type Of Sample		MGP SOIL		MGP SOIL		MGP SOIL		MGP SOIL	
Collected Date	(CAS#)	10/10/02 8:50 AM		10/10/02 9:00 AM		10/10/02 1:20 PM		11/25/02 5:00 PM	
		Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg
2-Methylnaphthalene	91-57-6	9.4	---	0.6	1.2	4900	---	14	--
Acenaphthene	83-32-9	0.6	1.2	0.6	1.2	4350	8700	11	--
Acenaphthylene	208-96-8	0.6	1.2	0.6	1.2	4350	8700	3.4	--
Anthracene	120-12-7	0.6	1.2	0.6	1.2	2200	---	9.8	--
Benzo(a)anthracene	56-55-3	0.6	1.2	0.6	1.2	4350	8700	**17**	--
Benzo(a)pyrene	50-32-8	0.6	1.2	0.6	1.2	4350	8700	**9.6**	--
Benzo(b)fluoranthene	205-99-2	0.6	1.2	0.6	1.2	4350	8700	**9.5**	--
Benzo(g,h,i)perylene	191-24-2	0.6	1.2	0.6	1.2	4350	8700	5.5	--
Benzo(k)fluoranthene	207-08-9	0.6	1.2	0.6	1.2	4350	8700	**8.6**	--
Chrysene	218-01-9	0.6	1.2	0.6	1.2	4350	8700	**19**	--
Dibenzo(a,h)anthracene	53-70-3	0.6	1.2	0.6	1.2	4350	8700	**2**	--
Dibenzofuran	132-64-9	0.6	1.2	0.6	1.2	4350	8700	5.3	--
Fluoranthene	206-44-0	0.6	1.2	0.6	1.2	4350	8700	34	--
Fluorene	86-73-7	0.6	1.2	0.6	1.2	2300	---	14	--
Indeno(1,2,3-c,d)pyrene	193-39-5	0.6	1.2	0.6	1.2	4350	8700	**5**	--
Naphthalene	91-20-3	10	---	0.6	1.2	1400	---	25	--
Phenanthrene	85-01-8	0.6	1.2	0.6	1.2	9500	---	39	--
Pyrene	129-00-0	0.6	1.2	0.6	1.2	6400	---	35	--
Total PAH		29.00		10.80		78900.00		**266.70**	
Total CPAH		4.20		4.20		30450.00		**70.70**	
Total CPAH as BaP		1.39		1.39		10052.85		**14.86**	

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Bold text indicates detected carcinogenic PAH compounds

Bramlette Road MGP Site
Remedial Action Plan - Final Report

SSR Facility Treatment Verification
Analytical Data Summary

Lab Sample Number/Project Number:		922137427	922146287	922159280	922164108	922171962
	Sample ID:	Duke Energy CL	C2	C3	C4	C6
GC/MS Volatile Organics	Date Collected:	3/6/2002	3/12/2002	3/18/2002	3/20/2002	
	Date Analyzed:	3/15/2002	3/15/2002	3/21/2002	3/25/2002	
	Prep/Method:	8260/8260	8260/8260	8260/8260	8260/8260	
	Treatment Target Concentration [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]
Benzene	650	23	9.4	16	5.3	
Ethylbenzene	230,000	< 5.4	< 5.4	< 6.2	< 5.3	
Toluene	520,000	12	< 5.4	8.4	< 5.3	
m&p - Xylene	n/a	< 11	< 11	< 12	< 11	
o - Xylene	n/a	< 5.4	< 5.4	< 6.2	< 5.3	
Total Xylenes	210,000					
GC/MS Semi-Volatile Organics	Date Collected:	3/6/2002	3/12/2002	3/18/2002	3/20/2002	3/26/2002
	Date Analyzed:	3/17/2002	3/18/2002	3/23/2002	3/25/2002	3/30/2002
	Prep/Method:	3550/8270	3550/8270	3550/8270	3550/8270	3550/8270
	EPA Region 9 PRG Residential Target Concentration [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]
Acenaphthene	3,700,000	< 370	< 360	< 360	< 350	< 370
Acenaphthylene	n/a	< 370	< 360	< 360	< 350	< 370
Anthracene	22,000,000	< 370	< 360	< 360	< 350	< 370
Benzo (a) anthracene	620	< 370	< 360	< 360	360	440
Benzo (a) pyrene	62	< 370	< 360	< 360	< 350	< 370
Benzo (b) fluoranthene	620	< 370	< 360	< 360	490	440
Benzo (g,h,i) perylene	n/a	< 370	< 360	< 360	< 350	510
Benzo (k) fluoranthene	n/a	< 370	< 360	< 360	380	480
Chrysene	62,000	< 370	< 360	< 360	490	630
Dibenz (a,h) anthracene	62	< 370	< 360	< 360	< 350	< 370
Fluoranthene	2,300,000	< 370	< 360	< 360	820	520
Fluorene	2,600,000	< 370	< 360	< 360	< 350	< 370
Indeno (1,2,3 -cd) pyrene	620	< 370	< 360	< 360	< 350	440
Naphthalene	56,000	< 370	< 360	< 360	< 350	< 370
Phenanthrene	n/a	< 370	< 360	< 360	850	770
Pyrene	2,300,000	< 370	< 360	< 360	650	730

Bramlette Road MGP Site
Remedial Action Plan - Final Report

SSR Facility Treatment Verification
Analytical Data Summary

Lab Sample Number/Project Number:		2062B	2062B	2062B	2062B	2062B
Sample ID:		C7	C9	C11	C12	C13
GC/MS Volatile Organics	Date Collected:	4/5/2002	4/4/2002	4/19/2002	4/19/2002	4/22/2002
	Date Analyzed:	4/7/2002	4/9/2002	4/22/2002	4/22/2002	4/29/2002
	Prep/Method:	8260B	8260B	8260B	8260B	8260B
	Treatment Target Concentration [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]
Benzene	650	11	< 61	18	15	< 5.9
Ethylbenzene	230,000	< 1.2	< 61	1.6	1.4	< 5.9
Toluene	520,000	< 6	< 300	10	8.4	< 29
m&p - Xylene	n/a					
o - Xylene	n/a					
Total Xylenes	210,000	< 3.6	< 180	6.5	5.2	18
GC/MS Semi-Volatile Organics	Date Collected:	4/5/2002	4/4/2002	4/19/2002	4/19/2002	4/22/2002
	Date Analyzed:	4/9/2002	4/10/2002	4/23/2002	4/23/2002	4/26/2002
	Prep/Method:	8270C	8270C	8270C	8270C	8270C
	EPA Region 9 PRG Residential Target Concentration [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]
Acenaphthene	3,700,000	< 400	< 400	< 420	< 380	< 390
Acenaphthylene	n/a	< 400	< 400	< 420	< 380	< 390
Anthracene	22,000,000	< 400	< 400	< 420	< 380	< 390
Benzo (a) anthracene	620	< 400	< 400	< 420	< 380	< 390
Benzo (a) pyrene	62	< 400	< 400	< 420	< 380	< 390
Benzo (b) fluoranthene	620	< 400	410	< 420	600	< 390
Benzo (g,h,i) perylene	n/a	< 400	< 400	< 420	< 380	< 390
Benzo (k) fluoranthene	n/a	< 400	< 400	< 420	< 380	< 390
Chrysene	62,000	< 400	< 400	< 420	490	< 390
Dibenz (a,h) anthracene	62	< 400	< 400	< 420	< 380	< 390
Fluoranthene	2,300,000	< 400	490	500	990	< 390
Fluorene	2,600,000	< 400	< 400	< 420	< 380	< 390
Indeno (1,2,3 -cd) pyrene	620	< 400	< 400	< 420	< 380	< 390
Naphthalene	56,000	< 400	< 400	490	810	700
Phenanthrene	n/a	540	660	910	1900	1,000
Pyrene	2,300,000	< 400	< 400	< 420	670	< 390

Bramlette Road MGP Site
Remedial Action Plan - Final Report

SSR Facility Treatment Verification
Analytical Data Summary

Lab Sample Number/Project Number:		2062B	2062B	2062B	2062B	2062B
Sample ID:		C15-2	C16-2	C17	C18	C19
GC/MS Volatile Organics	Date Collected:	6/5/2002	6/5/2002	6/25/2002	7/1/2002	7/10/2002
	Date Analyzed:	6/8/2002	6/8/2002	6/27/2002	7/6/2002	7/12/2002
	Prep/Method:	8260B	8260B	8260B	8260B	8260B
	Treatment Target Concentration [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]
Benzene	650	34	35	< 50	< 53	3.6
Ethylbenzene	230,000	< 1.3	< 1.5	< 50	< 53	< 1.2
Toluene	520,000	< 6.6	< 7.4	< 50	< 260	< 6.1
m&p - Xylene	n/a					
o - Xylene	n/a					
Total Xylenes	210,000	< 4	< 4.4	< 150	< 160	< 3.6
GC/MS Semi-Volatile Organics	Date Collected:	6/5/2002	6/5/2002	6/25/2002	7/1/2002	7/10/2002
	Date Analyzed:	6/7/2002	6/7/2002	6/28/2002	7/8/2002	7/15/2002
	Prep/Method:	8270C	8270C	8270C	8270C	8270C
	EPA Region 9 PRG Residential Target Concentration [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]
Acenaphthene	3,700,000	< 39	< 40	< 33	< 35	< 40
Acenaphthylene	n/a	< 39	< 40	< 33	< 35	< 40
Anthracene	22,000,000	< 39	41	< 33	44	< 40
Benzo (a) anthracene	620	< 39	50	67	100	< 40
Benzo (a) pyrene	62	< 39	< 40	34	**64**	< 40
Benzo (b) fluoranthene	620	57	66	72	190	< 40
Benzo (g,h,i) perylene	n/a	< 39	< 40	43	90	< 40
Benzo (k) fluoranthene	n/a	< 39	< 40	< 33	44	< 40
Chrysene	62,000	40	59	64	140	< 40
Dibenz (a,h) anthracene	62	< 39	< 40	< 33	< **35**	< 40
Fluoranthene	2,300,000	82	120	120	180	< 40
Fluorene	2,600,000	< 39	< 40	< 33	< 35	< 40
Indeno (1,2,3 -cd) pyrene	620	< 39	< 40	< 33	72	< 40
Naphthalene	56,000	200	97	140	230	480
Phenanthrene	n/a	140	170	180	230	< 40
Pyrene	2,300,000	54	82	98	130	< 40

Table 9

Bramlette Road MGP Site
Remedial Action Plan - Final Report

SSR Facility Treatment Verification
Analytical Data Summary

Lab Sample Number/Project Number:		2062B	2062B	2062B	2062B	2062B
Sample ID:		C20	C21A	C21B	C22A	C22B
GC/MS Volatile Organics	Date Collected:	7/19/2002	7/24/2002	7/27/2002	7/31/2002	8/2/2002
	Date Analyzed:	7/22/2002	7/31/2002	7/31/2002	8/10/2002	8/9/2002
	Prep/Method:	8260B	8260B	8260B	8260B	8260B
	Treatment Target Concentration [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]
Benzene	650	17	8.4	9.4	15	24
Ethylbenzene	230,000	< 1.5	< 1.3	< 1.3	< 1.2	< 1.5
Toluene	520,000	< 7.7	< 6.4	< 6.6	< 6	< 7.6
m&p - Xylene	n/a					
o - Xylene	n/a					
Total Xylenes	210,000	< 4.6	< 3.8	< 4	< 3.6	< 4.5
GC/MS Semi-Volatile Organics	Date Collected:	7/19/2002	7/24/2002	7/27/2002	7/31/2002	8/2/2002
	Date Analyzed:	7/23/2002	8/1/2002	8/1/2002	8/12/2002	8/10/2002
	Prep/Method:	8270C	8270C	8270C	8270C	8270C
	EPA Region 9 PRG Residential Target Concentration [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]
Acenaphthene	3,700,000	< 46	< 39	< 40	< 39	< 43
Acenaphthylene	n/a	< 46	< 39	< 40	< 39	< 43
Anthracene	22,000,000	< 46	< 39	< 40	< 39	< 43
Benzo (a) anthracene	620	< 46	< 39	< 40	< 39	< 43
Benzo (a) pyrene	62	< 46	< 39	< 40	< 39	< 43
Benzo (b) fluoranthene	620	< 46	68	89	61	< 43
Benzo (g,h,i) perylene	n/a	< 46	< 39	< 40	< 39	< 43
Benzo (k) fluoranthene	n/a	< 46	< 39	< 40	< 39	< 43
Chrysene	62,000	< 46	43	68	< 39	< 43
Dibenz (a,h) anthracene	62	< 46	< 39	< 40	< 39	< 43
Fluoranthene	2,300,000	< 46	130	160	170	62
Fluorene	2,600,000	< 46	< 39	< 40	< 39	< 43
Indeno (1,2,3 -cd) pyrene	620	< 46	< 39	< 40	< 39	< 43
Naphthalene	56,000	56	120	150	82	50
Phenanthrene	n/a	47	180	230	250	110
Pyrene	2,300,000	< 46	82	120	82	< 43

Bramlette Road MGP Site
Remedial Action Plan - Final Report

SSR Facility Treatment Verification
Analytical Data Summary

Lab Sample Number/Project Number: / Sample ID:		2062B C23-1	2062B C23-2	2062B C24-A	2062B C24-B	2062B C25-A
GC/MS Volatile Organics	Date Collected:	8/14/2002	8/14/2002	8/14/2002	8/14/2002	8/20/2002
	Date Analyzed:	8/16/2002	8/18/2002	8/20/2002	8/19/2002	8/27/2002
	Prep/Method:	8260B	8260B	8260B	8260B	8260B
	Treatment Target Concentration [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]
Benzene	650	< 67	< 61	< 85	11	6.2
Ethylbenzene	230,000	< 67	< 61	< 85	< 1.5	< 1.1
Toluene	520,000	< 330	< 300	< 420	< 7.6	< 5.6
m&p - Xylene	n/a					
o - Xylene	n/a					
Total Xylenes	210,000	< 200	< 180	< 250	< 4.6	< 3.4
GC/MS Semi-Volatile Organics	Date Collected:	8/14/2002	8/14/2002	8/14/2002	8/14/2002	8/20/2002
	Date Analyzed:	8/18/2002	8/18/2002	8/21/2002	8/21/2002	8/27/2002
	Prep/Method:	8270C	8270C	8270C	8270C	8270C
	EPA Region 9 PRG Residential Target Concentration [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]
Acenaphthene	3,700,000	< 45	< 45	< 45	< 44	< 37
Acenaphthylene	n/a	< 45	< 45	< 45	< 44	< 37
Anthracene	22,000,000	< 45	< 45	< 45	< 44	< 37
Benzo (a) anthracene	620	< 45	< 45	46	64	40
Benzo (a) pyrene	62	< 45	< 45	< 45	< 44	< 37
Benzo (b) fluoranthene	620	< 45	< 45	66	95	69
Benzo (g,h,i) perylene	n/a	< 45	< 45	< 45	< 44	< 37
Benzo (k) fluoranthene	n/a	< 45	< 45	< 45	< 44	< 37
Chrysene	62,000	< 45	< 45	57	92	64
Dibenz (a,h) anthracene	62	< 45	< 45	< 45	< 44	< 37
Fluoranthene	2,300,000	< 45	< 45	110	170	130
Fluorene	2,600,000	< 45	< 45	< 45	< 44	< 37
Indeno (1,2,3 -cd) pyrene	620	< 45	< 45	< 45	< 44	< 37
Naphthalene	56,000	< 45	< 45	60	50	84
Phenanthrene	n/a	< 45	< 45	120	170	150
Pyrene	2,300,000	< 45	< 45	70	100	58

Bramlette Road MGP Site
Remedial Action Plan - Final Report

SSR Facility Treatment Verification
Analytical Data Summary

Lab Sample Number/Project Number:		2062B	2062B	2062B	2062B	2062B
Sample ID:		C25-B	C-26-1	C-26-2	C-27-1	C-27-2
GC/MS Volatile Organics	Date Collected:	8/20/2002	9/3/2002	9/3/2002	9/10/2002	9/12/2002
	Date Analyzed:	8/26/2002	9/16/2002	9/16/2002	9/20/2002	9/20/2002
	Prep/Method:	8260B	8260B	8260B	8260B	8260B
	Treatment Target Concentration [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]
Benzene	650	6.5	< 76	< 75	7.9	70
Ethylbenzene	230,000	< 1.2	< 76	< 75	< 1.3	< 1.5
Toluene	520,000	< 6.3	< 380	< 380	< 6.4	< 7.6
m&p - Xylene	n/a					
o - Xylene	n/a					
Total Xylenes	210,000	< 3.8	< 230	< 230	< 3.8	< 4.6
GC/MS Semi-Volatile Organics	Date Collected:	8/20/2002	9/3/2002	9/3/2002	9/10/2002	9/12/2002
	Date Analyzed:	8/27/2002	9/13/2002	9/13/2002	9/20/2002	9/20/2002
	Prep/Method:	8270C	8270C	8270C	8270C	8270C
	EPA Region 9 PRG Residential Target Concentration [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]
Acenaphthene	3,700,000	< 41	< 46	< 45	< 41	< 44
Acenaphthylene	n/a	< 41	< 46	< 45	< 41	< 44
Anthracene	22,000,000	< 41	< 46	< 45	< 41	< 44
Benzo (a) anthracene	620	< 41	47	< 45	< 41	< 44
Benzo (a) pyrene	62	< 41	< 46	< 45	< 41	< 44
Benzo (b) fluoranthene	620	< 41	< 46	< 45	< 41	< 44
Benzo (g,h,i) perylene	n/a	< 41	< 46	< 45	< 41	< 44
Benzo (k) fluoranthene	n/a	< 41	< 46	< 45	< 41	< 44
Chrysene	62,000	< 41	68	< 45	< 41	< 44
Dibenz (a,h) anthracene	62	< 41	< 46	< 45	< 41	< 44
Fluoranthene	2,300,000	45	120	56	< 41	< 44
Fluorene	2,600,000	< 41	< 46	< 45	< 41	< 44
Indeno (1,2,3 -cd) pyrene	620	< 41	< 46	< 45	< 41	< 44
Naphthalene	56,000	68	130	850	< 41	< 44
Phenanthrene	n/a	82	220	120	42	< 44
Pyrene	2,300,000	< 41	120	53	< 41	< 44

Bramlette Road MGP Site
Remedial Action Plan - Final Report

SSR Facility Treatment Verification
Analytical Data Summary

Lab Sample Number/Project Number:		2062B	2062B	2062B	2062B	2062B
Sample ID:		C28-A	C28-B	C-29-A	C-29-B	C-30-A
GC/MS Volatile Organics	Date Collected:	9/17/2002	9/20/2002	9/23/2002	9/25/2002	9/26/2002
	Date Analyzed:	9/24/2002	9/24/2002	9/30/2002	10/1/2002	10/2/2002
	Prep/Method:	8260B	8260B	8260B	8260B	8260B
	Treatment Target Concentration [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]
Benzene	650	5.2	5.5	4.7	< 72	4.7
Ethylbenzene	230,000	< 1.4	< 1.5	< 1.3	< 72	< 1.2
Toluene	520,000	< 7	< 7.3	< 6.7	< 360	< 6.2
m&p - Xylene	n/a					
o - Xylene	n/a					
Total Xylenes	210,000	< 4.2	< 4.4	< 4	< 210	< 3.7
GC/MS Semi-Volatile Organics	Date Collected:	9/17/2002	9/20/2002	9/23/2002	9/25/2002	9/26/2002
	Date Analyzed:	9/25/2002	9/25/2002	9/30/2002	9/30/2002	10/3/2002
	Prep/Method:	8270C	8270C	8270C	8270C	8270C
	EPA Region 9 PRG Residential Target Concentration [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]
Acenaphthene	3,700,000	< 45	< 44	< 42	< 42	< 41
Acenaphthylene	n/a	< 45	< 44	< 42	< 42	< 41
Anthracene	22,000,000	< 45	< 44	< 42	< 42	< 41
Benzo (a) anthracene	620	< 45	< 44	< 42	< 42	< 41
Benzo (a) pyrene	62	< 45	< 44	< 42	< 42	< 41
Benzo (b) fluoranthene	620	< 45	< 44	< 42	< 42	< 41
Benzo (g,h,i) perylene	n/a	< 45	< 44	< 42	< 42	< 41
Benzo (k) fluoranthene	n/a	< 45	< 44	< 42	< 42	< 41
Chrysene	62,000	< 45	< 44	< 42	< 42	< 41
Dibenz (a,h) anthracene	62	< 45	< 44	< 42	< 42	< 41
Fluoranthene	2,300,000	< 45	< 44	43	< 42	< 41
Fluorene	2,600,000	< 45	< 44	< 42	< 42	< 41
Indeno (1,2,3 -cd) pyrene	620	< 45	< 44	< 42	< 42	< 41
Naphthalene	56,000	< 45	< 44	< 42	57	44
Phenanthrene	n/a	< 45	< 44	71	75	41
Pyrene	2,300,000	< 45	< 44	< 42	< 42	< 41

Bramlette Road MGP Site
Remedial Action Plan - Final Report

SSR Facility Treatment Verification
Analytical Data Summary

Lab Sample Number/Project Number:		2062B	2062B	2062B	2062B	2062B
Sample ID:		C-30-B	C-31-A	C-31-B	C32-A	C32-B
GC/MS Volatile Organics	Date Collected:	10/1/2002	10/8/2002	10/8/2002	10/14/2002	10/15/2002
	Date Analyzed:	10/2/2002	10/14/2002	10/15/2002	10/18/2002	10/18/2002
	Prep/Method:	8260B	8260B	8260B	8260B	8260B
	Treatment Target Concentration [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]
Benzene	650	< 5.2	90	140	< 6.7	< 7
Ethylbenzene	230,000	< 1.4	< 67	< 90	< 6.7	< 7
Toluene	520,000	< 7	< 340	< 450	< 33	< 35
m&p - Xylene	n/a					
o - Xylene	n/a					
Total Xylenes	210,000	< 4.2	< 200	< 270	< 20	< 21
GC/MS Semi-Volatile Organics	Date Collected:	10/1/2002	10/8/2002	10/8/2002	10/14/2002	10/15/2002
	Date Analyzed:	10/3/2002	10/15/2002	10/15/2002	10/17/2002	10/17/2002
	Prep/Method:	8270C	8270C	8270C	8270C	8270C
	EPA Region 9 PRG Residential Target Concentration [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]
Acenaphthene	3,700,000	< 41	< 42	< 45	< 44	< 46
Acenaphthylene	n/a	< 41	< 42	< 45	< 44	< 46
Anthracene	22,000,000	< 41	< 42	< 45	< 44	< 46
Benzo (a) anthracene	620	< 41	< 42	< 45	< 44	< 46
Benzo (a) pyrene	62	< 41	< 42	< 45	< 44	< 46
Benzo (b) fluoranthene	620	< 41	< 42	< 45	< 44	< 46
Benzo (g,h,i) perylene	n/a	< 41	< 42	< 45	< 44	< 46
Benzo (k) fluoranthene	n/a	< 41	< 42	< 45	< 44	< 46
Chrysene	62,000	< 41	< 42	< 45	44	< 46
Dibenz (a,h) anthracene	62	< 41	< 42	< 45	< 44	< 46
Fluoranthene	2,300,000	< 41	< 42	< 45	99	53
Fluorene	2,600,000	< 41	< 42	< 45	< 44	< 46
Indeno (1,2,3 -cd) pyrene	620	< 41	< 42	< 45	< 44	< 46
Naphthalene	56,000	< 41	< 42	< 45	110	67
Phenanthrene	n/a	< 41	< 42	< 45	150	76
Pyrene	2,300,000	< 41	< 42	< 45	56	< 46

Bramlette Road MGP Site
Remedial Action Plan - Final Report

SSR Facility Treatment Verification
Analytical Data Summary

Lab Sample Number/Project Number:		2062B	2062B	2062B	2062B	2062B
Sample ID:		C-33A	C-33B	C-34-A	C-34-B	C35-A
GC/MS Volatile Organics	Date Collected:	10/22/2002	10/22/2002	10/28/2002	10/30/2002	11/7/2002
	Date Analyzed:	10/28/2002	10/28/2002	11/1/2002	11/1/2002	11/14/2002
	Prep/Method:	8260B	8260B	8260B	8260B	8260B
	Treatment Target Concentration [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]
Benzene	650	4.5	5	54	49	28
Ethylbenzene	230,000	< 1.3	< 1.2	< 1.3	< 1.3	< 1.3
Toluene	520,000	< 6.3	< 6.1	< 6.7	< 6.6	< 6.6
m&p - Xylene	n/a					
o - Xylene	n/a					
Total Xylenes	210,000	< 3.8	< 3.6	< 4	< 4	< 4
GC/MS Semi-Volatile Organics	Date Collected:	10/22/2002	10/22/2002	10/28/2002	10/30/2002	11/7/2002
	Date Analyzed:	1029/02	1029/02	11/1/2002	11/1/2002	11/14/2002
	Prep/Method:	8270C	8270C	8270C	8270C	8270C
	EPA Region 9 PRG Residential Target Concentration [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]
Acenaphthene	3,700,000	< 37	< 38	< 38	< 37	< 40
Acenaphthylene	n/a	< 37	< 38	< 38	< 37	< 40
Anthracene	22,000,000	< 37	< 38	< 38	< 37	< 40
Benzo (a) anthracene	620	< 37	< 38	< 38	< 37	< 40
Benzo (a) pyrene	62	< 37	< 38	< 38	< 37	< 40
Benzo (b) fluoranthene	620	60	53	58	56	< 40
Benzo (g,h,i) perylene	n/a	< 37	< 38	< 38	< 37	< 40
Benzo (k) fluoranthene	n/a	< 37	< 38	< 38	< 37	< 40
Chrysene	62,000	68	76	72	82	< 40
Dibenz (a,h) anthracene	62	< 37	< 38	< 38	< 37	< 40
Fluoranthene	2,300,000	230	230	230	240	< 40
Fluorene	2,600,000	< 37	< 38	< 38	< 37	< 40
Indeno (1,2,3 -cd) pyrene	620	< 37	< 38	< 38	< 37	< 40
Naphthalene	56,000	220	240	210	250	< 40
Phenanthrene	n/a	370	390	380	420	42
Pyrene	2,300,000	59	61	54	56	< 40

Bramlette Road MGP Site
Remedial Action Plan - Final Report

SSR Facility Treatment Verification
Analytical Data Summary

Lab Sample Number/Project Number:		2062B	2062B	2062B	2062B	2062B
Sample ID:		C35-B	C36-A	C36-B	C37-1	C37-2
GC/MS Volatile Organics	Date Collected:	11/11/2002	11/13/2002	11/15/2002	11/26/2002	11/26/2002
	Date Analyzed:	11/14/2002	11/17/2002	11/17/2002	12/3/2002	12/2/2002
	Prep/Method:	8260B	8260B	8260B	8260B	8260B
	Treatment Target Concentration [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]
Benzene	650	23	6.5	11	< 80	12
Ethylbenzene	230,000	< 1.2	< 1.3	< 1.3	< 80	< 1.2
Toluene	520,000	< 6.1	< 6.5	< 6.7	< 400	< 6
m&p - Xylene	n/a					
o - Xylene	n/a					
Total Xylenes	210,000	< 3.6	< 3.9	< 4	< 240	< 3.6
GC/MS Semi-Volatile Organics	Date Collected:	11/11/2002	11/13/2002	11/15/2002	11/26/2002	11/26/2002
	Date Analyzed:	11/14/2002	11/18/2002	11/18/2002	12/2/2002	12/2/2002
	Prep/Method:	8270C	8270C	8270C	8270C	8270C
	EPA Region 9 PRG Residential Target Concentration [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]
Acenaphthene	3,700,000	< 40	< 39	< 44	< 47	< 39
Acenaphthylene	n/a	< 40	< 39	< 44	< 47	< 39
Anthracene	22,000,000	< 40	< 39	< 44	< 47	< 39
Benzo (a) anthracene	620	< 40	< 39	< 44	< 47	< 39
Benzo (a) pyrene	62	< 40	< 39	< 44	< 47	< 39
Benzo (b) fluoranthene	620	< 40	< 39	< 44	< 47	< 39
Benzo (g,h,i) perylene	n/a	< 40	< 39	< 44	< 47	< 39
Benzo (k) fluoranthene	n/a	< 40	< 39	< 44	< 47	< 39
Chrysene	62,000	< 40	< 39	< 44	< 47	< 39
Dibenz (a,h) anthracene	62	< 40	< 39	< 44	< 47	< 39
Fluoranthene	2,300,000	< 40	< 39	< 44	< 47	< 39
Fluorene	2,600,000	< 40	< 39	< 44	< 47	< 39
Indeno (1,2,3 -cd) pyrene	620	< 40	< 39	< 44	< 47	< 39
Naphthalene	56,000	< 40	< 39	< 44	< 47	< 39
Phenanthrene	n/a	< 40	46	< 44	< 47	< 39
Pyrene	2,300,000	< 40	< 39	< 44	< 47	< 39

Bramlette Road MGP Site
Remedial Action Plan - Final Report

SSR Facility Treatment Verification
Analytical Data Summary

Lab Sample Number/Project Number:		2062B	2062B	2062B	2062B
Sample ID:		C38-A	C38-B	C39-A	C39-B
GC/MS Volatile Organics	Date Collected:	11/25/2002	11/26/2002	11/26/2002	11/27/2002
	Date Analyzed:	11/30/2002	11/30/2002	12/3/2002	12/3/2002
	Prep/Method:	8260B	8260B	8260B	8260B
	Treatment Target Concentration [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]
Benzene	650	52	75	11	3.6
Ethylbenzene	230,000	< 1.5	< 1.4	1.6	< 1.2
Toluene	520,000	8.8	12	6.5	< 6
m&p - Xylene	n/a				
o - Xylene	n/a				
Total Xylenes	210,000	< 4.4	< 4.4	6.8	< 3.6
GC/MS Semi-Volatile Organics	Date Collected:	11/25/2002	11/26/2002	11/26/2002	11/27/2002
	Date Analyzed:	12/2/2002	12/2/2002	12/4/2002	12/4/2002
	Prep/Method:	8270C	8270C	8270C	8270C
	EPA Region 9 PRG Residential Target Concentration [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]	Analytical Results [ppb]
Acenaphthene	3,700,000	< 43	< 44	< 37	< 40
Acenaphthylene	n/a	< 43	< 44	< 37	< 40
Anthracene	22,000,000	< 43	< 44	48	41
Benzo (a) anthracene	620	< 43	< 44	61	56
Benzo (a) pyrene	62	< 43	< 44	42	< 40
Benzo (b) fluoranthene	620	< 43	< 44	84	76
Benzo (g,h,i) perylene	n/a	< 43	< 44	< 37	< 40
Benzo (k) fluoranthene	n/a	< 43	< 44	< 37	< 40
Chrysene	62,000	< 43	< 44	76	67
Dibenz (a,h) anthracene	62	< 43	< 44	< 37	< 40
Fluoranthene	2,300,000	< 43	< 44	170	150
Fluorene	2,600,000	< 43	< 44	< 37	< 40
Indeno (1,2,3 -cd) pyrene	620	< 43	< 44	< 37	< 40
Naphthalene	56,000	< 43	< 44	98	82
Phenanthrene	n/a	< 43	< 44	330	260
Pyrene	2,300,000	< 43	< 44	130	110

Table 9

Bramlette Road MGP Site
Remedial Action Plan - Final Report

Virgin Backfill Verification
Sampling and Analytical Data Summary

EPA Method 8260 (BTEX)							
Sample Id		BRAM-FILL-GMH-081501		BRAM-PRBF-091101		BRAM-MRBF-100801	
Sample Description		Hospital Site		Pelham Road		Mauldin Road	
Plant/Station		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST	
Type Of Sample		Virgin Backfill		Virgin Backfill		Virgin Backfill	
Collected Date		3/6/02 8:25 AM		9/11/01 9:30 AM		4/11/02 2:15 PM	
	(CAS#)	Analysis Result ug/kg	Detection Limit ug/kg	Analysis Result ug/kg	Detection Limit ug/kg	Analysis Result ug/kg	Detection Limit ug/kg
Benzene	71-43-2	2.5	5	6	12	155	310
Ethylbenzene	100-41-4	2.5	5	6	12	155	310
m-p-Xylene	1330-20-7	5	10	11.5	23	305	610
o-Xylene	95-47-6	2.5	5	6	12	155	310
Toluene	108-88-3	2.5	5	6	12	155	310
Total BETX		15.0		35.5		925.0	

EPA Method 8270 (PAHs)							
Sample Id		BRAM-FILL-GMH-081501		BRAM-PRBF-091101		BRAM-MRBF-100801	
Sample Description		Hospital Site		Pelham Road		Mauldin Road	
Plant/Station		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST	
Type Of Sample		Virgin Backfill		Virgin Backfill		Virgin Backfill	
Collected Date		3/6/02 8:25 AM		9/11/01 9:30 AM		4/11/02 2:15 PM	
	(CAS#)	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg	Analysis Result mg/kg	Detection Limit mg/kg
2-Methylnaphthalene	91-57-6	0.165	0.33	0.17	0.34	0	
Acenaphthene	83-32-9	0.165	0.33	0.17	0.34	0.16	0.32
Acenaphthylene	208-96-8	0.165	0.33	0.17	0.34	0.16	0.32
Anthracene	120-12-7	0.165	0.33	0.17	0.34	0.16	0.32
Benzo(a)anthracene	56-55-3	0.165	0.33	0.17	0.34	0.16	0.32
Benzo(a)pyrene	50-32-8	0.165	0.33	0.17	0.34	0.16	0.32
Benzo(b)fluoranthene	205-99-2	0.165	0.33	0.17	0.34	0.16	0.32
Benzo(g,h,i)perylene	191-24-2	0.165	0.33	0.17	0.34	0.16	0.32
Benzo(k)fluoranthene	207-08-9	0.165	0.33	0.17	0.34	0.16	0.32
Chrysene	218-01-9	0.165	0.33	0.17	0.34	0.16	0.32
Dibenzo(a,h)anthracene	53-70-3	0.165	0.33	0.17	0.34	0.16	0.32
Dibenzofuran	132-64-9	0.165	0.33	0.17	0.34	0.16	0.32
Fluoranthene	206-44-0	0.165	0.33	0.17	0.34	0.16	0.32
Fluorene	86-73-7	0.165	0.33	0.17	0.34	0.16	0.32
Indeno(1,2,3-c,d)pyrene	193-39-5	0.165	0.33	0.17	0.34	0.16	0.32
Naphthalene	91-20-3	0.165	0.33	0.17	0.34	0.16	0.32
Phenanthrene	85-01-8	0.165	0.33	0.17	0.34	0.16	0.32
Pyrene	129-00-0	0.165	0.33	0.17	0.34	0.16	0.32
Total PAH		2.97		3.06		2.72	
Total CPAH		1.16		1.19		1.12	
Total CPAH as BaP		0.38		0.39		0.37	

Note:
"---" in the Detection Limit column indicates that an actual detected value is reported in the Analysis Result column.
A value in the Detection Limit column indicates the parameter was less than the value and 1/2 the detection is reported in the Analysis Result column.

Bramlette Road MGP Site
Remedial Action Plan - Final Report

Virgin Backfill Verification
Sampling and Analytical Data Summary

TCLP RCRA Metals							
Sample Id		BRAM-FILL-GMH-081501		BRAM-PRBF-091101		BRAM-MRBF-100801	
Sample Description		Hospital Site		Pelham Road		Mauldin Road	
Plant/Station		BRAMLETT ST		BRAMLETT ST		BRAMLETT ST	
Type Of Sample		Virgin Backfill		Virgin Backfill		Virgin Backfill	
Collected Date		3/6/02 8:25 AM		9/11/01 9:30 AM		4/11/02 2:15 PM	
	TCLP Reg Limit (mg/l)	Analysis Result mg/l	Detection Limit mg/l	Analysis Result mg/l	Detection Limit mg/l	Analysis Result mg/l	Detection Limit mg/l
Silver	5	0.0025	0.005	0.0025	0.005	0.0025	0.005
Barium	100	0.51	--	0.3	--	0.954	--
Cadmium	1	0.015	0.03	0.015	0.03	0.015	0.03
Chromium	5	0.02	0.04	0.02	0.04	0.02	0.04
Lead	5	0.045	0.09	0.045	0.09	0.045	0.09
Arsenic	5	0.05	0.1	0.05	0.1	0.05	0.1
Selenium	1	0.065	0.13	0.0625	0.125	0.127	--
Mercury	0.2	0.0005	0.001	0.0005	0.001	0.005	0.01
Nickel	134	na	na	na	na	na	na
Thallium	130	na	na	na	na	na	na

Note:
"---" in the Detection Limit column indicates that an actual detected value is reported in the Analysis Result column.
A value in the Detection Limit column indicates the parameter was less than the value and 1/2 the detection is reported in the Analysis Result column.
na = not analyzed

Bramlette Road MGP Site
Remedial Action Plan - Final Report
Remaining BTEX Contaminant Levels
EPA Method 8260 - Detected Compounds

Sample ID	Location	Benzene	Ethylbenzene	m-p-Xylene	o-Xylene	Toluene	Total Detected BTEX
		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Sidewall Samples:							
6SWD	BRAMLETTE	140	1,200	1,800	990	96	4,226
31SW	BRAMLETTE	nd	nd	26	nd	22	48
46SW	BRAMLETTE	9	nd	nd	15	nd	24
49SW	BRAMLETTE	1,200	1,500	2,100	600	460	5,860
53SW	BRAMLETTE	12	nd	nd	nd	4	16
63SW	SUBURBAN PROPANE	nd	420	2,600	1,100	570	4,690
66SW	BRAMLETTE	nd	4	nd	nd	nd	4
71SW	BRAMLETTE	nd	nd	6	nd	nd	6
72SW	BRAMLETTE	nd	nd	32	10	nd	42
94SW	SUBURBAN PROPANE	150	nd	72	13	45	280
95SW	SUBURBAN PROPANE	nd	8	41	10	nd	58
96SW	SUBURBAN PROPANE	nd	5	26	7	nd	38
97SW	SUBURBAN PROPANE	nd	13	71	16	nd	100
99SW	SUBURBAN PROPANE	53	19	100	24	27	223
100SW	BRAMLETTE	nd	2,300	9,800	2,800	nd	14,900
102SW	BRAMLETTE	nd	900	8,400	6,500	870	16,670
Bottom Samples:							
23B	BRAMLETTE	27,000	2,700	43,000	16,000	42,000	130,700
50B	BRAMLETTE	18	150	240	110	33	551
58B	SUBURBAN PROPANE	nd	nd	8	nd	9	17
68B	BRAMLETTE	nd	9	8	4	nd	21
85B	BRAMLETTE	nd	nd	nd	nd	17	17
98B	BRAMLETTE	nd	nd	13	5	nd	18
103B	BRAMLETTE	22	29	nd	nd	nd	51
	Number of Detects:	9	14	18	16	12	
	Average Detected Concentration (ug/kg)	3,178	661	3,797	1,763	3,679	7,763
	Maximum Detected Concentration (ug/kg)	27,000	2,700	43,000	16,000	42,000	130,700
	Maximum Detected Concentration (mg/kg)	27.0	2.7	43.0	16.0	42.0	130.7

nd = this BTEX compound was not detected

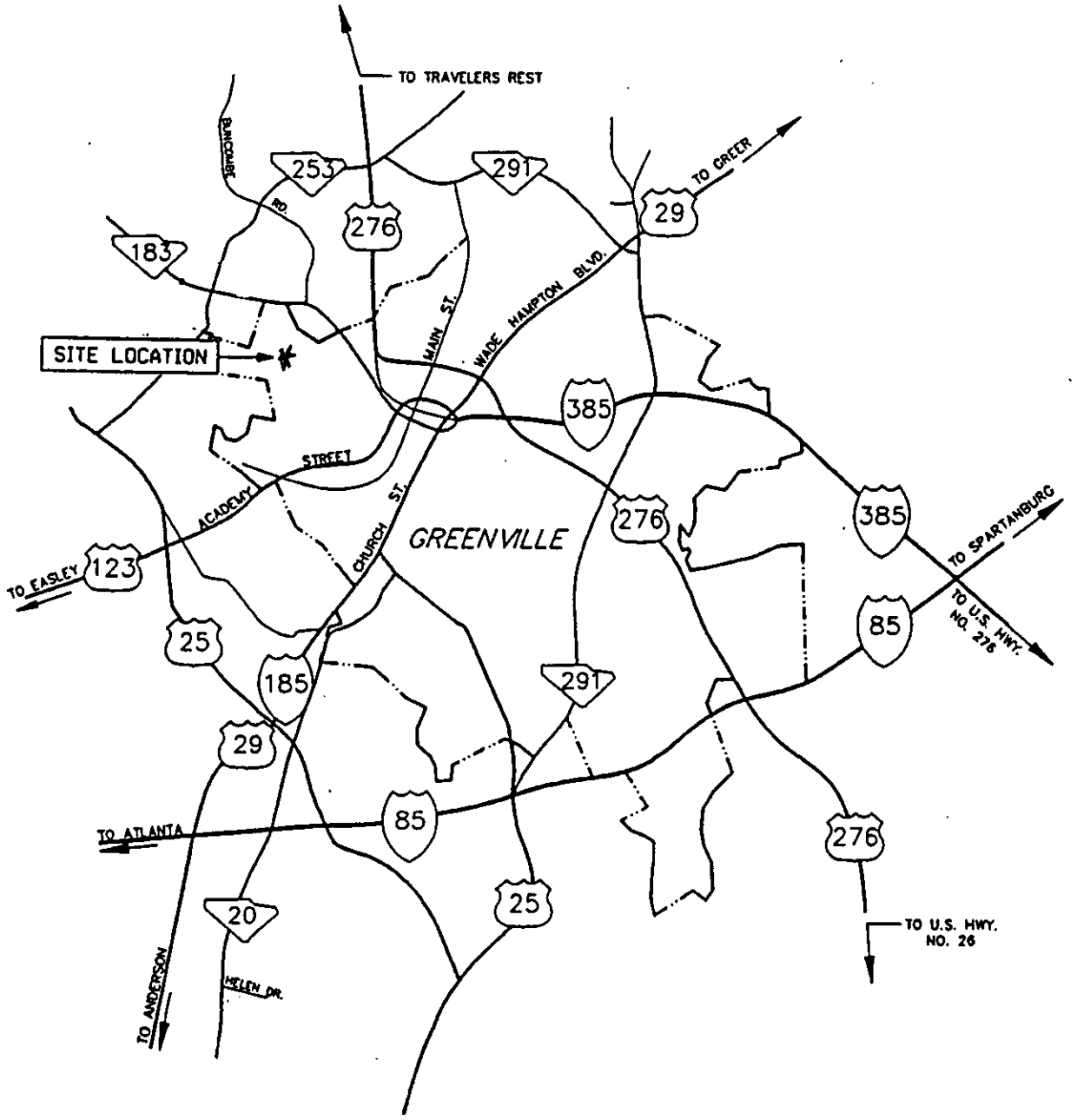
Bramlette Road MGP Site
Remedial Action Plan - Final Report

Remaining PAH Contaminant Levels
EPA Method 8260 - Detected Compounds
units in mg/kg

Sample ID	Location	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Dibenzofuran	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAHs	Total CPAHs	Total CPAHs as BaP
Sidewall Samples:																						
2SW	BRAMLETTE					3.4	3.3	3.8	1.6	3.6	4.4			6.3		1.6		3.1	6	37.1	20.1	4.2
6SWD	BRAMLETTE	15	1.1	1	2.4	1.6	1.3	0.96		1.2	1.4		3.1	3.8	3.1		44	8.1	3.8	91.9	6.5	1.6
21SW	BRAMLETTE		0.36		1.1	4.9	3.7	4.3	2.2	3.2	3.9	0.97		9.8	0.39	2.1		5.6	9.2	51.7	23.1	5.8
29SW	BRAMLETTE			0.48	0.75	1.6	1.3	0.94	0.77	1.2	1.7	0.4		4.3	0.56	0.8		3.8	3.3	21.9	7.9	2.0
39SW	BRAMLETTE					4.9	5	5.3	4.2	5	5.5	1.6		8		3.9		4.6	7.7	55.7	31.2	8.1
42SW	BRAMLETTE	3.4	4.2	17	49	100	81	70	46	80	94	23	8.6	210	20	44	3.3	170	230	1,253.5	492.0	126.3
43SW	BRAMLETTE					3.3	3.9	3.7	3	3	3.3			5.2		2.9			5.5	33.8	20.1	4.9
44SW	BRAMLETTE			6.5	9	28	24	20	16	27	29	5.8	2.4	65	3.4	17		49	67	369.1	150.8	36.6
46SW	BRAMLETTE	2.9	2.9	45	14	140	180	120	100	130	140	17	2.7	160	7.8	100	6.1	22	250	1,440.4	827.0	234.4
47SW	BRAMLETTE					27	25	23	21	26	29			43		22		28	48	292.0	152.0	32.5
48SW	BRAMLETTE					4.7	4.4	4.7	4.1	4.9	5.1			8.7		4.3		5.9	7.8	54.6	28.1	5.8
49SW	BRAMLETTE	70	63	9.5	31	30	28	17	16	19	29	7.3	38	62	42	16	290	130	68	965.8	146.3	41.8
51SW	BRAMLETTE			3.9	2.5	18	19	26	14	22	22	3.2		27		13	2.9	8.2	30	211.7	123.2	28.1
52SW	BRAMLETTE					8.6	11	13	6.7	9.7	8.2	1.7		8.9		6.4			13	87.2	58.6	15.6
53SW	BRAMLETTE	2.4	1.2	25	17	120	120	64	42	82	98	9.5	3		5	38	2.5	54	270	953.6	531.5	152.6
56SW	BRAMLETTE			0.65	0.72		3	2.6	1.6	2.9	3.1	0.51		6.5		1.7		4	5.8	33.1	13.8	4.0
66SW	BRAMLETTE					3.9	3.4	3.7	1.6	3.7	4.1			8.4		1.6		4.2	7.7	42.3	20.4	4.4
71SW	BRAMLETTE	2.1		3	4.3	7.4	6.3	4.5	2.6	6.5	6.8		1.7	11	3	2.9	3	15	11	91.1	34.4	7.9
72SW	BRAMLETTE			2.8		12	11	20	10	18	13	3.3		15		11	4.5	3.2	15	138.8	88.3	18.8
73SW	BRAMLETTE			2.4	1.4	7	5.9	11	4.8	9.3	7.4	1.8		11		5.4		5	10	82.4	47.8	10.1
82SW	BRAMLETTE						1.5	2.3	1.9	1.8						1.8				9.3	7.4	1.9
102SW	BRAMLETTE	4,900			2,200										2,300		1,400	9,500	6,400	26,700	0.0	0.0
Bottom Samples:																						
5B	BRAMLETTE					0.42	0.41	0.36		0.36	0.4			0.66				0.41	0.66	3.7	2.0	0.5
19B	BRAMLETTE			4.8	3.4	14	10	18	9.8	19	16	3.6		23		9.4		13	29	173	90.0	17.9
23B	BRAMLETTE	120	14	63	85	79	65	51	27	58	72	11	76	210	85	27	590	340	220	2,193	363	92.4
24B	BRAMLETTE	13	1	1.1	2.5	2	1.6	1.1	0.65	1.3	1.6		2.2	4.5	3.4	0.63	50	9.3	5.8	101.7	8.2	2.0
74B	BRAMLETTE	20		3.7	4	3.5	2.6	1.9	1.2	2.5	3		3.7	8.9	3.6	1.1	42	13	7.9	122.6	14.6	3.3
103B	BRAMLETTE	14	11	3.4	9.8	17	9.6	9.5	5.5	8.6	19	2	5.3	34	14	5	25	39	35	266.7	70.7	14.9
Number of Detects:		11	9	17	18	25	27	27	25	27	26	16	11	25	14	25	13	25	27			
Avg Detected Conc. (mg/kg):		469.3	11.0	11.4	135.4	25.7	23.4	18.6	13.8	20.4	23.9	5.8	13.3	38.2	177.9	13.6	189.5	417.5	287.7			
Max Detected Conc. (mg/kg):		4,900	63	63	2,200	140	180	120	100	130	140	23	76	210	2,300	100	1,400	9,500	6,400			

Table 12

Figures



NORTH

DUKE POWER
CSX/VAUGHN LANDFILL
AND BRAMLETTE ROAD MGP SITES

SITE LOCATION

FIGURE: 1

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CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

NORTH

DUKE POWER
CSX/VAUGHN LANDFILL
AND BRAMLETTE ROAD MGP SITES

REMEDIAL ACTION PLAN
FINAL REPORT
SITE LOCATION USGS TOPO MAP
GREENVILLE, S.C. 1983

FIGURE: 2

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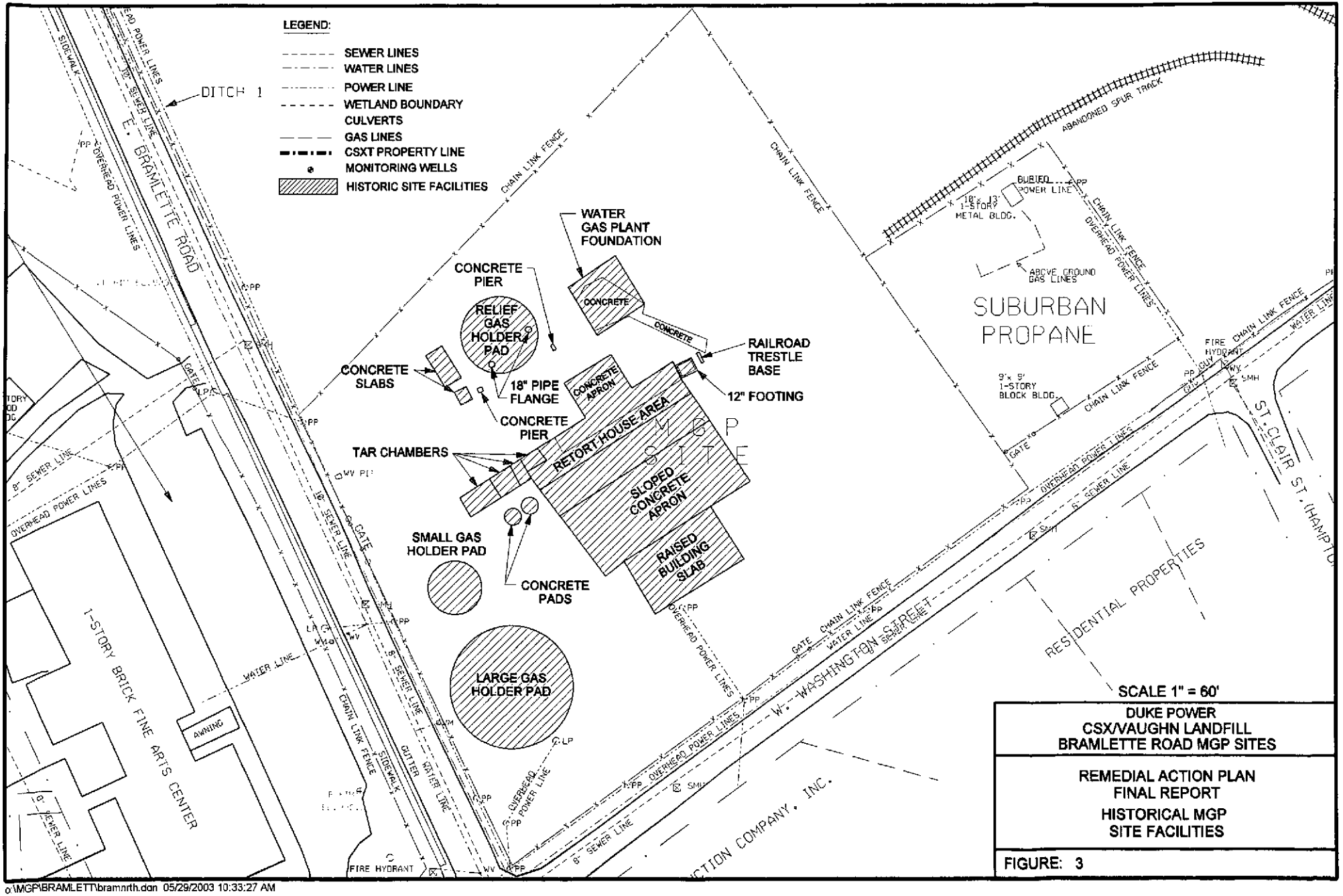

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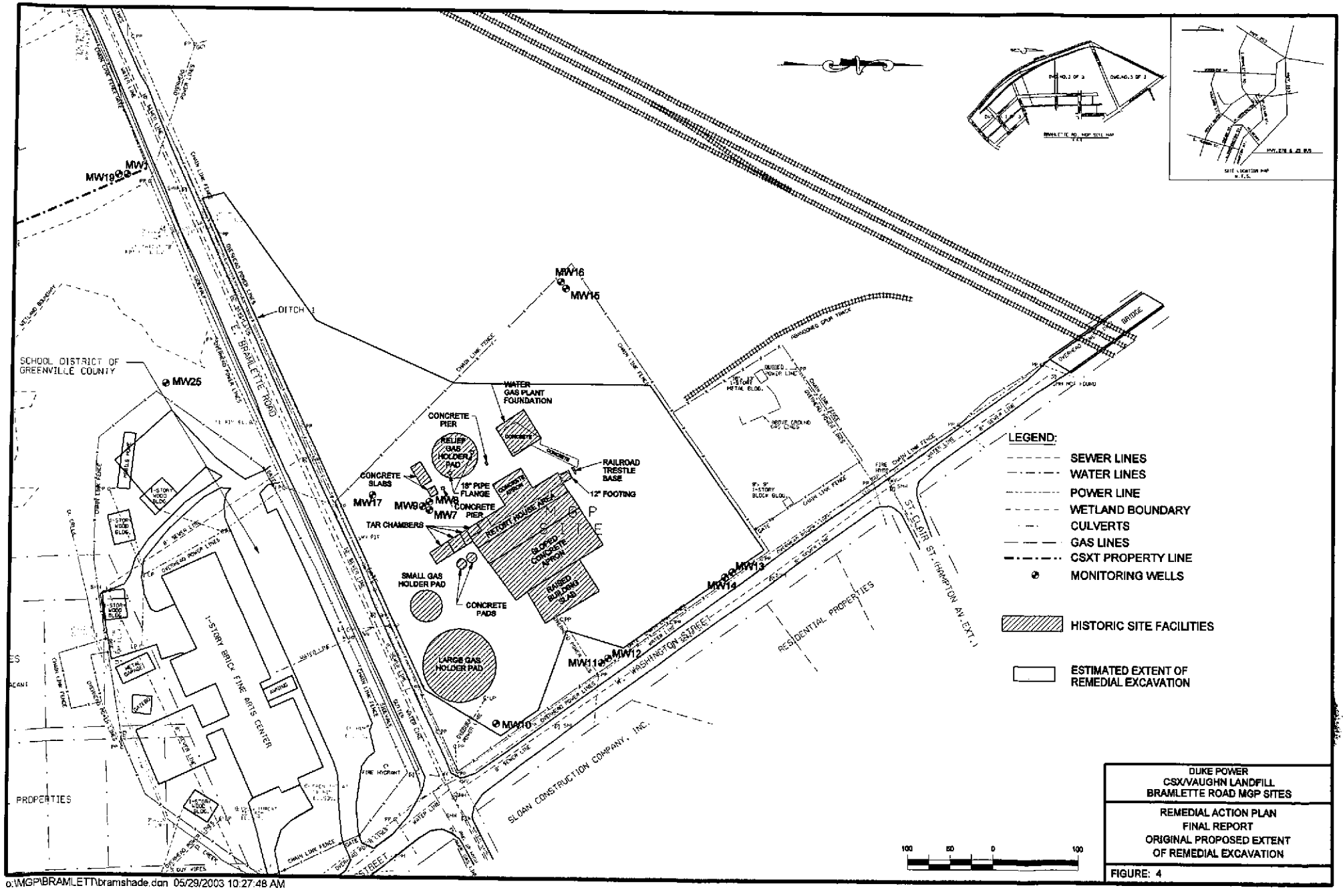

DUKE POWER
CSX/VAUGHN LANDFILL
BRAMLETTE ROAD MGP SITES

REMEDIAL ACTION PLAN
FINAL REPORT
ORIGINAL PROPOSED EXTENT
OF REMEDIAL EXCAVATION

FIGURE: 4

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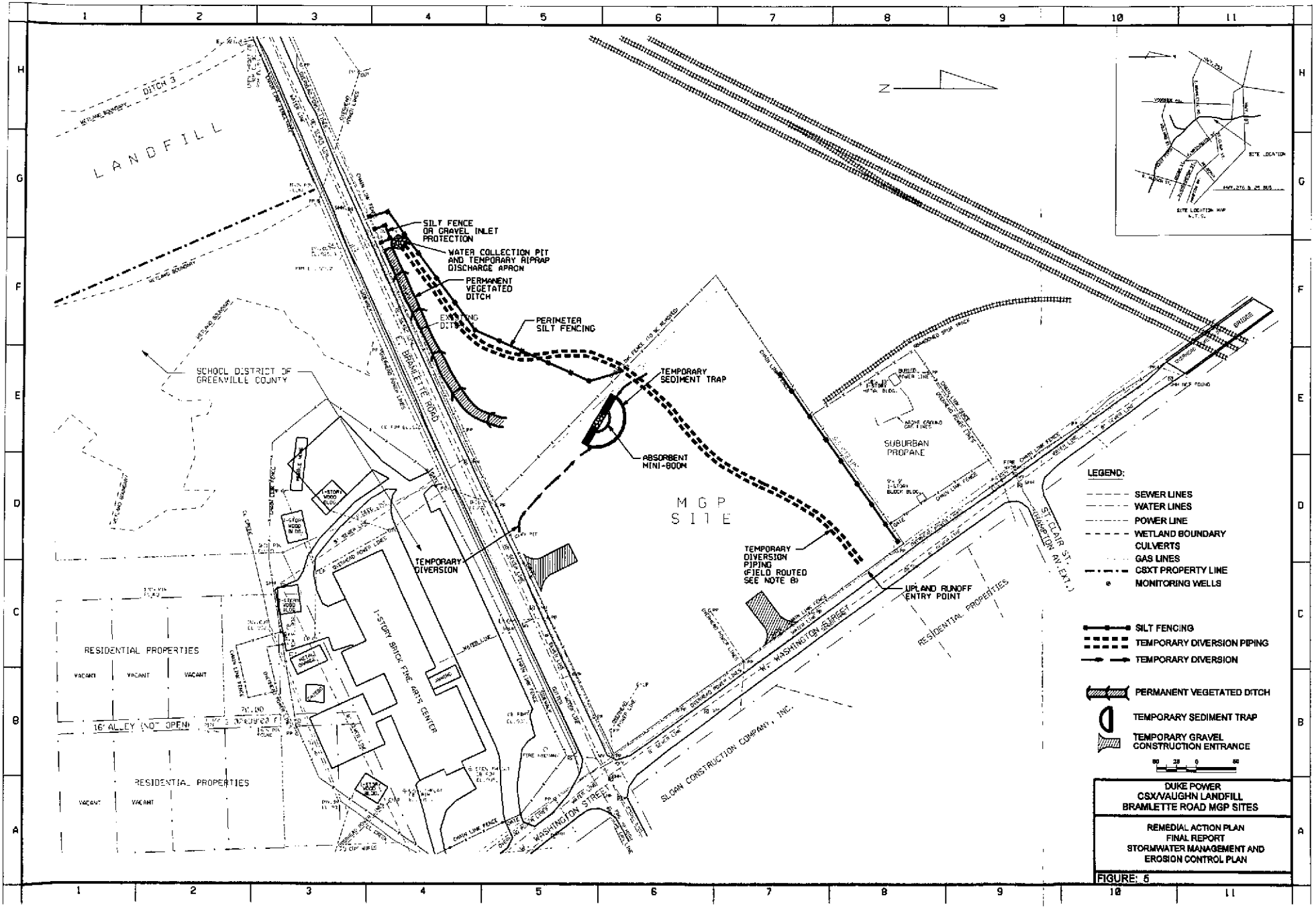
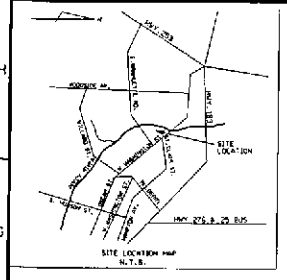
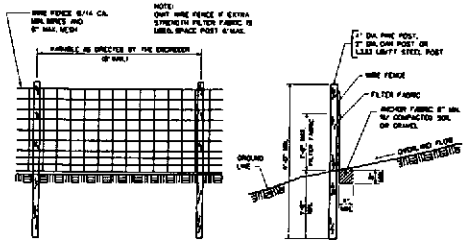
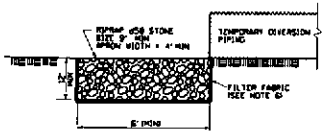

LANDFILL
DITCH 3
WETLAND BOUNDARY
SILT FENCE OR GRAVEL INLET PROTECTION
WATER COLLECTION PIT AND TEMPORARY RIPRAP DISCHARGE APRON
PERMANENT VEGETATED DITCH
EXISTING DITCH
PERIMETER SILT FENCING
TEMPORARY SEDIMENT TRAP
ABSORBENT MINI-BOOM
SCHOOL DISTRICT OF GREENVILLE COUNTY
E. BRAMLETTE ROAD
M G P SITE
SUBURBAN PROPANE
TEMPORARY DIVERSION
TEMPORARY DIVERSION PIPING (FIELD ROUTED SEE NOTE 8)
UPLAND RUNOFF ENTRY POINT
RESIDENTIAL PROPERTIES
VACANT
16' ALLEY (NOT OPEN)
1-STORY BRICK FINE ARTS CENTER
WASHINGTON STREET
SLOAN CONSTRUCTION COMPANY, INC.
ST. CLAIR ST. (HAMPTON AV. EXT.)
BRIDGE
SITE LOCATION
SITE LOCATION MAP N.T.S.
LEGEND:
SEWER LINES
WATER LINES
POWER LINE
WETLAND BOUNDARY
CULVERTS
GAS LINES
CSXT PROPERTY LINE
MONITORING WELLS
SILT FENCING
TEMPORARY DIVERSION PIPING
TEMPORARY DIVERSION
PERMANENT VEGETATED DITCH
TEMPORARY SEDIMENT TRAP
TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
80 40 0 80
DUKE POWER
CSX/VAUGHN LANDFILL
BRAMLETTE ROAD MGP SITES
REMEDIAL ACTION PLAN
FINAL REPORT
STORMWATER MANAGEMENT AND
EROSION CONTROL PLAN
FIGURE: 5

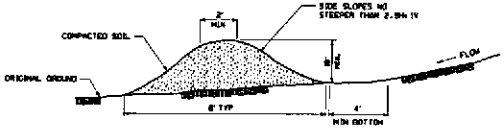




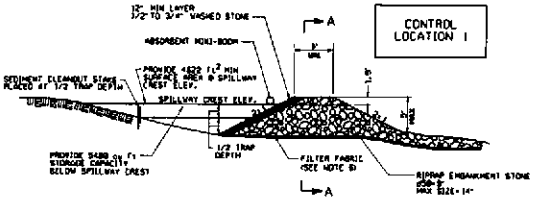
TEMPORARY SILT FENCE DETAILS



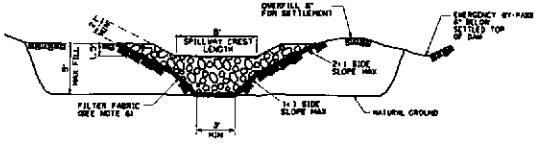
TEMPORARY RIPRAP DISCHARGE APRON FOR TEMPORARY DIVERSION PIPING



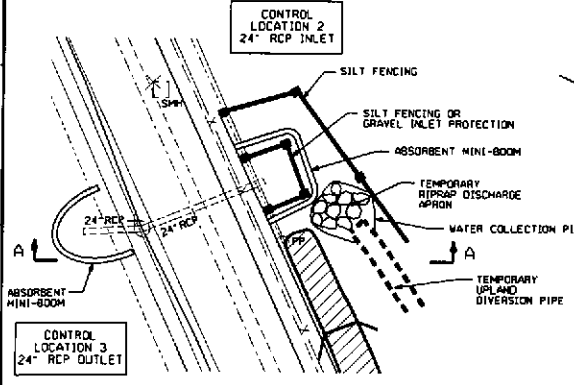
TYPICAL SECTION TEMPORARY DIVERSION



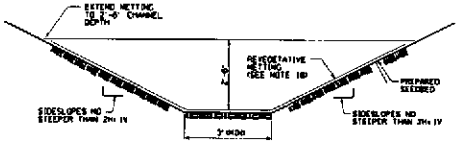
TYPICAL SECTION TEMPORARY SEDIMENT TRAP



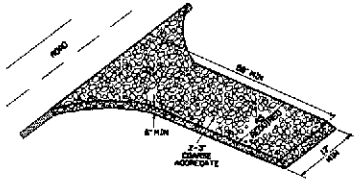
SECTION A-A



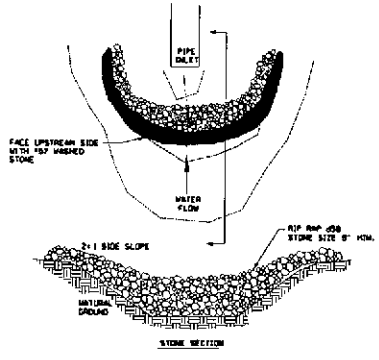
PARTIAL PLAN 24" RCP AREA

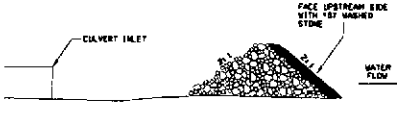


TRAPEZOIDAL GRASS-LINED CHANNEL

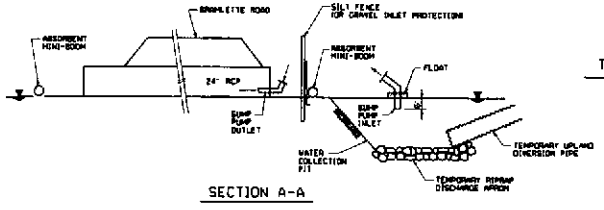


TEMPORARY GRAVELED CONSTRUCTION ENTRANCE





INLET PROTECTION DETAIL



SECTION A-A

NOTES:

1. ALL SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY 7 CALENDER DAYS AND AFTER ANY STORM EVENT OF GREATER THAN 0.5 INCHES OF PRECIPITATION DURING ANY 24-HOUR PERIOD. ALL SEDIMENT CONTROL FEATURES SHALL BE MAINTAINED UNTIL FINAL STABILIZATION HAS BEEN OBTAINED SEDIMENT SHALL BE REMOVED FROM THE TEMPORARY SEDIMENT TRAP WHEN SEDIMENT DEPTH REACHES ONE-HALF TRAP DEPTH.

2. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE LAND DISTURBING ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED, UNLESS SUCH ACTIVITY IN THAT PORTION OF THE SITE WILL RESUME WITHIN 21 DAYS.

3. REMEDIATION (EXCAVATION) WORK SHALL BEGIN IN THE EASTERN (UPPER) AREA OF THE SITE NEAR W. WASHINGTON STREET, AND SHALL PROCEED WESTERLY ACROSS THE SITE. ALL AREAS TARGETED FOR REMOVAL EXCAVATION WILL BE BACKFILLED WITH CLEAN SOILS AND RETURNED TO THE ORIGINAL GRADE.

4. FOLLOWING REMEDIATION AND BACKFILLING ACTIVITIES, ALL AREAS DISTURBED AS PART OF THIS WORK SHALL BE STABILIZED WITH PERMANENT VEGETATION OR MULCH AS FOLLOWS:

   A. THE SEEDBED SHALL BE PREPARED BY TILLAGE TO A MINIMUM DEPTH OF 6 INCHES WORKING PARALLEL TO THE SLOPE CONTOUR. TILLAGE SHALL CONTINUE UNTIL A WELL PULVERIZED AND UNIFORM SEEDBED HAS BEEN PREPARED. LIME SHALL BE APPLIED DURING TILLAGE AT A RATE OF 4000 LBS/ACRE UNLESS OTHERWISE RECOMMENDED THROUGH SOIL ANALYSES.

   B. SEED AND FERTILIZER SHALL BE APPLIED TO THE SURFACE OF A DRY TO MODERATELY DRY SEEDBED DURING CALM WIND CONDITIONS AT THE FOLLOWING RATES:

BLEND OF TURF-TYPE TALL FESCUES	200 TO 250 LBS/ACRE
10-10-10 FERTILIZER OR QUALITY STARTER FERTILIZER	1000 LBS/ACRE MAKER SPECIFIED RATE

   C. DRY UNCHOPPED CLEAN STRAW MULCH SHALL BE APPLIED TO ALL SEEDBED AREAS IMMEDIATELY FOLLOWING SEEDING. STRAW MULCH SHALL BE APPLIED AT A RATE OF NOT LESS THAN 2000 LBS/ACRE.

   D. AREAS TO BE PERMANENTLY STABILIZED WITH MULCH ONLY SHALL BE COVERED WITH A 3 INCH MINIMUM LAYER OF ORGANIC MULCH MATERIAL. MULCH MATERIAL MAY CONSIST OF GROUND VEGETATION PRODUCED AT THE SITE OR COMMERCIALLY AVAILABLE MATERIALS SUCH AS PINE STRAW, GROUND TREE BARK, ETC.

5. ANY TEMPORARILY STOCKPILED SOIL SHALL BE COVERED WITH A HIGH DENSITY POLYETHYLENE (HDPE) SHEETING MATERIAL HAVING A 4-MIL MINIMUM THICKNESS.

6. FILTER FABRIC MATERIAL PLACED BENEATH RIPRAP SHALL BE MIRAFI 600X OR ENGINEER APPROVED EQUAL. CARE SHALL BE TAKEN IN PLACING STONE TO AVOID TEARING OF FABRIC.

7. ALL TRUCK TRAFFIC ENTERING AND LEAVING THE SITE SHALL BE VIA THE TEMPORARY CONSTRUCTION ENTRANCES ON BRAMLETTE ROAD AND ON WEST WASHINGTON STREET.

8. PIPE USED FOR THE DIVERSION OF UPLAND RUNOFF SHALL BE FLEXIBLE POLYETHYLENE PIPING HAVING A DIAMETER NO LESS THAN 12 INCHES. PIPING SHALL BE FIELD ROUTED AND MAY BE BURIED AS NEEDED TO FACILITATE VEHICULAR ACCESS ACROSS THE SITE. THIS PIPING MAY BE EXTENDED TO THE CULVERT BENEATH BRAMLETTE ROAD AS NEEDED. A TEMPORARY RIPRAP APRON SHALL BE PLACED AT THE DISCHARGE POINT OF THE PIPING AS INDICATED.

9. TEMPORARY DIVERSION BERMS SHALL BE CONSTRUCTED AS NEEDED TO ROUTE ALL STORMWATER RUNOFF FROM DISTURBED AREAS ACROSS THE MGP SITE PROPERTY INTO THE TEMPORARY SEDIMENT TRAP.

10. A PERMANENT VEGETATED DITCH SHALL BE CONSTRUCTED ALONG THE DITCH LINE PARALLEL TO BRAMLETTE ROAD FOLLOWING REMEDIATION AND BACKFILLING WORK IN THIS AREA. THE DITCH SHALL BE CONSTRUCTED AS A GRASS-LINED TRAPEZOIDAL CHANNEL AS INDICATED. TEMPORARY REVEGETATIVE MEETING (STRAW MEETING) SHALL BE USED TO PROTECT THE SEEDBED. MEETING SHALL BE NORTH AMERICAN GREEN S-150 (OR ENGINEER APPROVED EQUAL) INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.

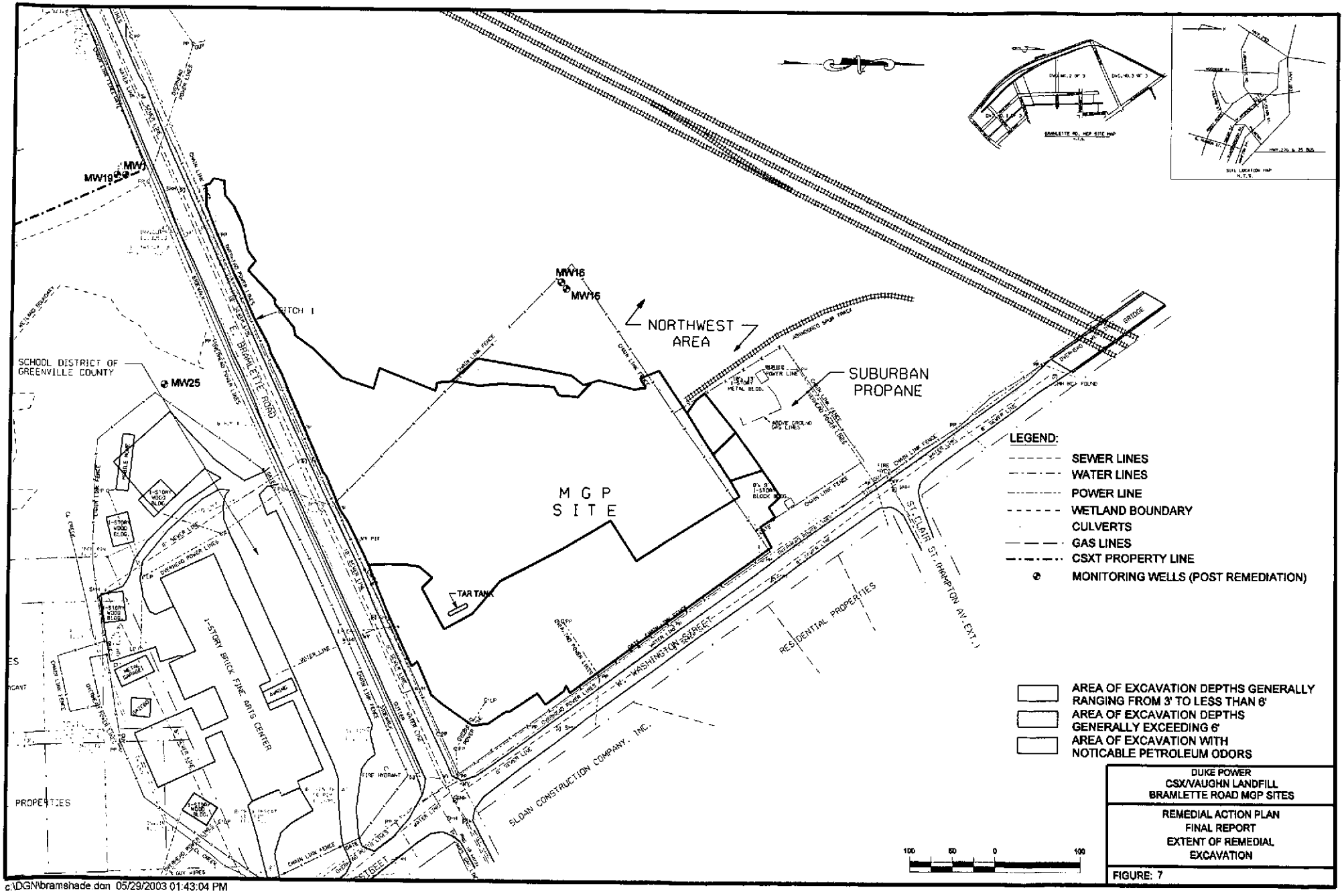
SEQUENCE OF CONSTRUCTION OPERATIONS:

1. MOBILIZE TO SITE.
2. INSTALL EROSION CONTROL FEATURES
3. EXCAVATE AREAS TO BE REMEDIATED
4. BACKFILL EXCAVATED AREAS AND RETURN SITE TO ORIGINAL GRADE
5. REMOVE EROSION CONTROL STRUCTURES AND STABILIZE DISTURBED AREAS
6. DEMOBILIZE FROM SITE

DUKE POWER
CSX/VAUGHN LANDFILL
BRAMLETTE ROAD MGP SITES

REMEDIAL ACTION PLAN
FINAL REPORT
STORMWATER MANAGEMENT AND EROSION CONTROL
SECTIONS AND DETAILS

FIGURE: 8



DUKE POWER
CSX/VAUGHN LANDFILL
BRAMLETTE ROAD MGP SITES

REMEDIAL ACTION PLAN
FINAL REPORT
EXTENT OF REMEDIAL EXCAVATION

FIGURE: 7

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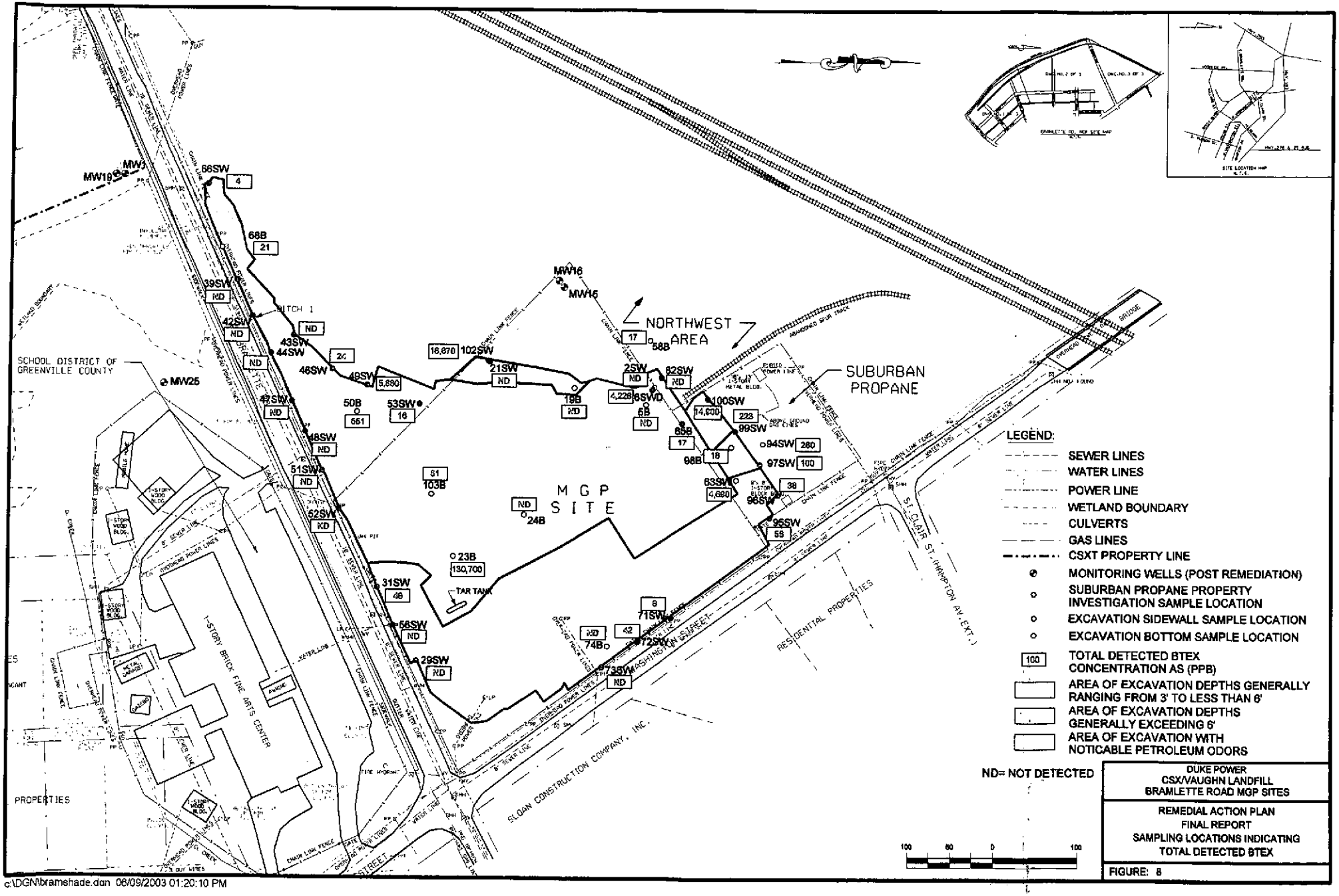

DUKE POWER
CSX/VAUGHN LANDFILL
BRAMLETTE ROAD MGP SITES

REMEDIAL ACTION PLAN
FINAL REPORT
SAMPLING LOCATIONS INDICATING
TOTAL DETECTED BTEX

FIGURE: 8

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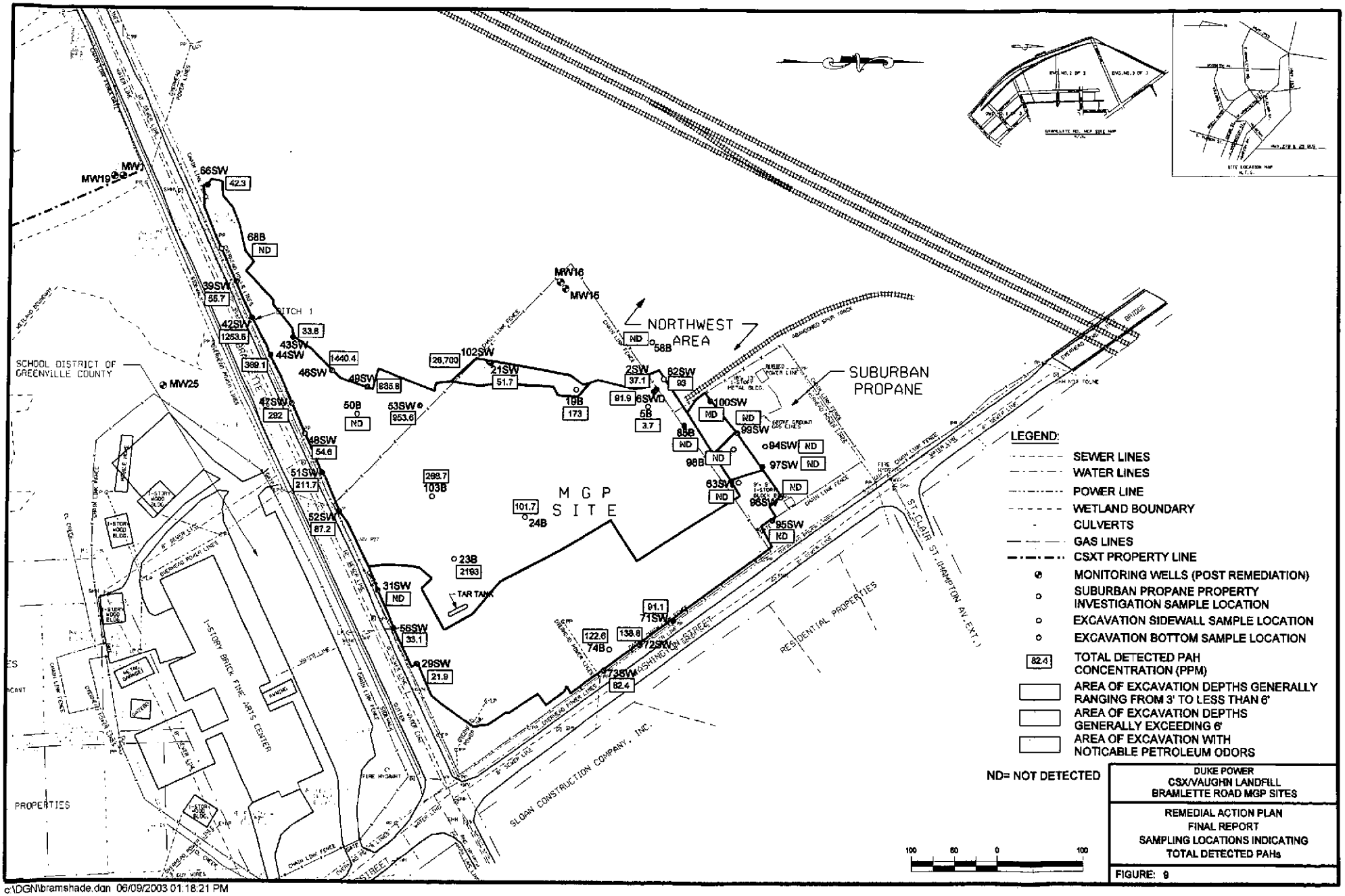

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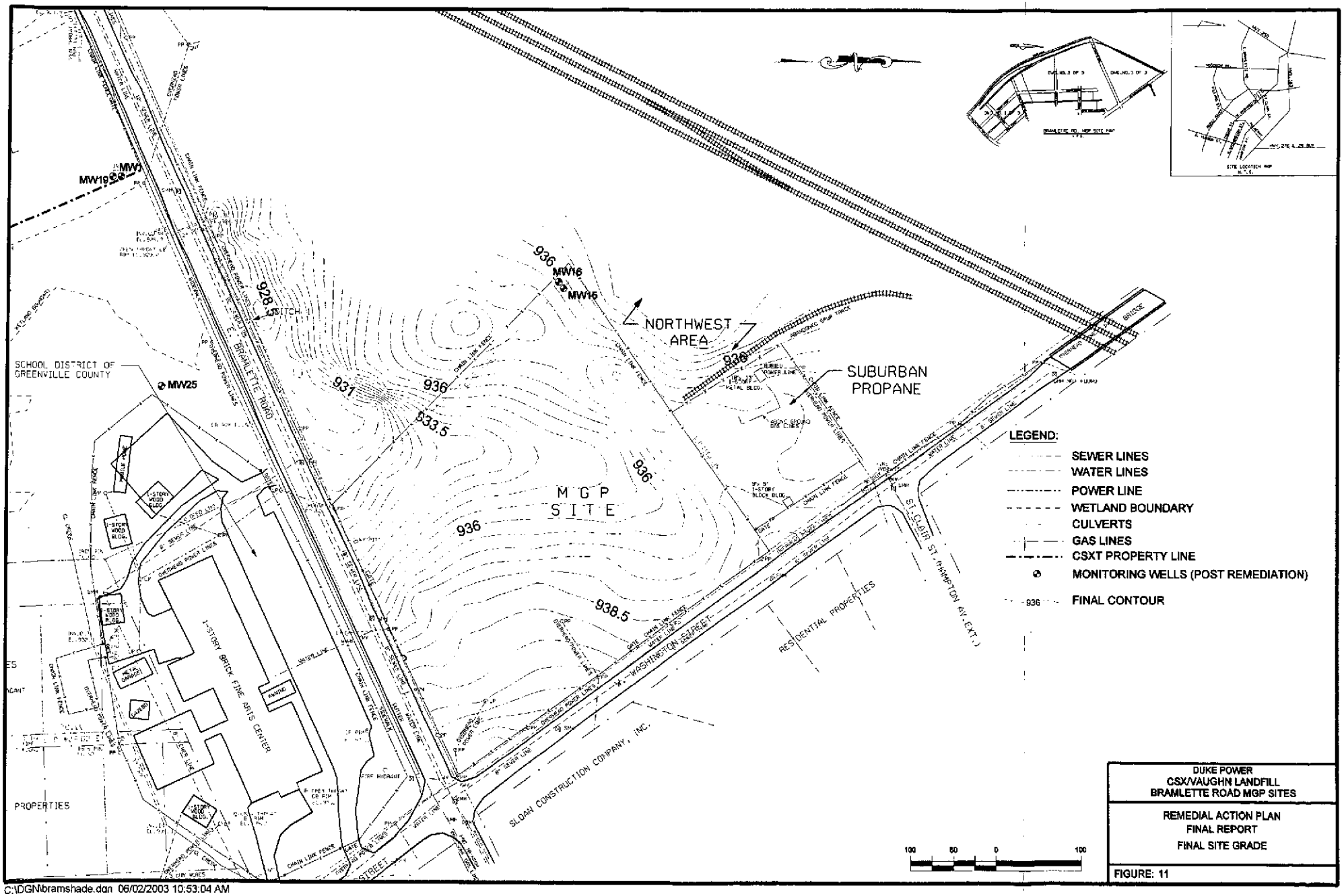

DUKE POWER
CSX/VAUGHN LANDFILL
BRAMLETTE ROAD MGP SITES

REMEDIAL ACTION PLAN
FINAL REPORT
FINAL SITE GRADE

FIGURE: 11

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Appendix A

Site Verification Soil Laboratory Data

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Duke Power's Analytical Laboratory
MNS Bldg. # 7405 (MG03A2)
13339 Hagers Ferry Road
Huntersville, NC 28078
Phone: (704) 875-5209/875-5245[1]
Fax: (704) 875-5038

LAB USE[8]

LIMS # 01-AUG-0552		Sample Class MGP
Logged By (Ini.) EBC	Time 740	Date 8/24/01

Vendored Samples

Vendor	Analysis
Vendor	**P.O. #**

Container Type: (✓)Glass ( )Plastic[13]

CLIENT[2]: Tim Hunsucker Report to/Ph. Tim Hunsucker
Project Name[3]: Bramlette Rd MGP Mail Code: MG03A3

FMIS #
- Business Unit[4]:
- Resp. Center To: 0897
- Project ID[5]: MEPBRAM
- Activity ID[6]: ALLACTV
- Process[7]:

Preservative Added[14]

Preservative	8260-MGP	8270-MGP
HNO_3		
H_2SO_4		
Ice	✓	✓
Other		
None		

Sample #[9]	Lab PROFS #[10]	Sample Description or ID[11]	Collection Information[12] Date	Time	Signature	GRAB[16]	COMP[17]	Analysis Required[15] 8260-MGP	8270-MGP	TOTAL # OF CONTAINERS
21031278		BRAM-02-SW	8/21/01	1348	Tim Hunsucker	✓		1	1	
21031280		BRAM-04-SW	8/21/01	1357	Tim Hunsucker	✓		1	1	
21031281		BRAM-05-B	08/21/01	1402	Tim Hunsucker	✓		1	1	
21031282		BRAM-06-SWD	08/23/01	1000	Tim Hunsucker	✓		1	1	

Relinquished by[19]	Date/Time	Accepted By:	Date/Time
Tim Hunsucker	8/23/01 @ 1700	Erena Calder	8/24/01 0730
Relinquished by:	Date/Time	Accepted By:	Date/Time
Seal/Locked by[20]	Date/Time	Seal/Lock Opened By:	Date/Time

Turnaround Requested[21]
- ☐ Routine (2 weeks)
- ☒ Rush (1 week)
- ☐ Emergency Rush (24-48 Hrs.)*

Date Results Requested:
*Additional Charges Will Apply

Sample Matrix[22] NC ☐ SC ☒
Ground Water ☐ NPDES ☐
Drinking Water ☐ UST ☐
RCRA Waste ☐ Other ☒

TEMP:[23] 5.5°

Comments:[24]

See Instructions on the back of this form.

Original – AL Files[25] **Copy 1 – AL Files** **Copy 2 – Client Copy**

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Fax: 704-875-5038

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McGuire Nuclear Complex - MG03A2

Certificate of Analysis

New York State Department of Health Certification # **11717**
Kansas Department of Health and Environment Certificate # **E-10311**
Louisiana Department of Environmental Quality (LELAP) Certificate # **02012**
North Carolina Department of Health & Human Services Certification # **37804**
North Carolina Department of Environment and Natural Resources (DENR) Certification # **248**
South Carolina Department of Health and Environmental Control (DHEC) Laboratory Identification # **99005**

Sample ID #: **21031278** Job #: **01-AUG-0552**

Sample Description: **BRAM-02-SW**

Collection Date: **21-Aug-01 13:48:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **08/30/01**

	Result	*Reporting Limit*	*Flag*
Naphthalene	< 1.2 mg/Kg	1.2 mg/Kg	1
2-Methylnaphthalene	< 1.2 mg/Kg	1.2 mg/Kg	1
Acenaphthylene	< 1.2 mg/Kg	1.2 mg/Kg	1
Acenaphthene	< 1.2 mg/Kg	1.2 mg/Kg	1
Dibenzofuran	< 1.2 mg/Kg	1.2 mg/Kg	1
Fluorene	< 1.2 mg/Kg	1.2 mg/Kg	1
Phenanthrene	3.1 mg/Kg	1.2 mg/Kg	1
Anthracene	< 1.2 mg/Kg	1.2 mg/Kg	1
Fluoranthene	6.3 mg/Kg	1.2 mg/Kg	1
Pyrene	6.0 mg/Kg	1.2 mg/Kg	1
Benzo(a)anthracene	3.4 mg/Kg	1.2 mg/Kg	1
Chrysene	4.4 mg/Kg	1.2 mg/Kg	1
Benzo(b)fluoranthene	3.8 mg/Kg	1.2 mg/Kg	1
Benzo(k)fluoranthene	3.6 mg/Kg	1.2 mg/Kg	1
Benzo(a)pyrene	3.3 mg/Kg	1.2 mg/Kg	1
Indeno(1,2,3-c,d)pyrene	1.6 mg/Kg	1.2 mg/Kg	1
Dibenzo(a,h)anthracene	< 1.2 mg/Kg	1.2 mg/Kg	1
Benzo(g,h,i)perylene	1.6 mg/Kg	1.2 mg/Kg	1

Sample ID #: **21031280** Job #: **01-AUG-0552**

Sample Description: **BRAM-04-SW**

Collection Date: **21-Aug-01 13:57:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **08/30/01**

	Result	*Reporting Limit*	*Flag*
Naphthalene	< 0.32 mg/Kg	0.32 mg/Kg	1
2-Methylnaphthalene	< 0.32 mg/Kg	0.32 mg/Kg	1
Acenaphthylene	< 0.32 mg/Kg	0.32 mg/Kg	1
Acenaphthene	< 0.32 mg/Kg	0.32 mg/Kg	1
Dibenzofuran	< 0.32 mg/Kg	0.32 mg/Kg	1
Fluorene	< 0.32 mg/Kg	0.32 mg/Kg	1
Phenanthrene	< 0.32 mg/Kg	0.32 mg/Kg	1
Anthracene	< 0.32 mg/Kg	[illegible]	1

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North Carolina Department of Environment and Natural Resources (DENR) Certification # 248
South Carolina Department of Health and Environmental Control (DHEC) Laboratory Identification # 99005

Sample ID # : **21031280** Job # : **01-AUG-0552**

Sample Description: **BRAM-04-SW**

Collection Date: **21-Aug-01 13:57:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **08/30/01**

	Result	Reporting Limit	Flag
Fluoranthene	< 0.32 mg/Kg	0.32 mg/Kg	1
Pyrene	< 0.32 mg/Kg	0.32 mg/Kg	1
Benzo(a)anthracene	< 0.32 mg/Kg	0.32 mg/Kg	1
Chrysene	< 0.32 mg/Kg	0.32 mg/Kg	1
Benzo(b)fluoranthene	< 0.32 mg/Kg	0.32 mg/Kg	1
Benzo(k)fluoranthene	< 0.32 mg/Kg	0.32 mg/Kg	1
Benzo(a)pyrene	< 0.32 mg/Kg	0.32 mg/Kg	1
Indeno(1,2,3-c,d)pyrene	< 0.32 mg/Kg	0.32 mg/Kg	1
Dibenzo(a,h)anthracene	< 0.32 mg/Kg	0.32 mg/Kg	1
Benzo(g,h,i)perylene	< 0.32 mg/Kg	0.32 mg/Kg	1

Sample ID # : **21031281** Job # : **01-AUG-0552**

Sample Description: **BRAM-05-B**

Collection Date: **21-Aug-01 14:02:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **08/30/01**

	Result	Reporting Limit	Flag
Naphthalene	< 0.36 mg/Kg	0.36 mg/Kg	1
2-Methylnaphthalene	< 0.36 mg/Kg	0.36 mg/Kg	1
Acenaphthylene	< 0.36 mg/Kg	0.36 mg/Kg	1
Acenaphthene	< 0.36 mg/Kg	0.36 mg/Kg	1
Dibenzofuran	< 0.36 mg/Kg	0.36 mg/Kg	1
Fluorene	< 0.36 mg/Kg	0.36 mg/Kg	1
Phenanthrene	0.41 mg/Kg	0.36 mg/Kg	1
Anthracene	< 0.36 mg/Kg	0.36 mg/Kg	1
Fluoranthene	0.66 mg/Kg	0.36 mg/Kg	1
Pyrene	0.66 mg/Kg	0.36 mg/Kg	1
Benzo(a)anthracene	0.42 mg/Kg	0.36 mg/Kg	1
Chrysene	0.40 mg/Kg	0.36 mg/Kg	1
Benzo(b)fluoranthene	0.36 mg/Kg	0.36 mg/Kg	1
Benzo(k)fluoranthene	0.36 mg/Kg	0.36 mg/Kg	1
Benzo(a)pyrene	0.41 mg/Kg	0.36 mg/Kg	1
Indeno(1,2,3-c,d)pyrene	< 0.36 mg/Kg	0.36 mg/Kg	1

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North Carolina Department of Environment and Natural Resources (DENR) Certification # **248**
South Carolina Department of Health and Environmental Control (DHEC) Laboratory Identification # **99005**

Sample ID # : **21031281** Job # : **01-AUG-0552**

Sample Description: **BRAM-05-B**

Collection Date: **21-Aug-01 14:02:00** Site : **BRAMLETT ST** Sample Type: **SOIL** Desktop #

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **08/30/01**

	Result	Reporting Limit	Flag
Dibenzo(a,h)anthracene	< 0.36 mg/Kg	0.36 mg/Kg	1
Benzo(g,h,i)perylene	< 0.36 mg/Kg	0.36 mg/Kg	1

Sample ID # : **21031282** Job # : **01-AUG-0552**

Sample Description: **BRAM-06-SWD**

Collection Date: **21-Aug-01 14:02:00** Site : **BRAMLETT ST** Sample Type: **SOIL** Desktop #

VOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **08/30/01**

	Result	Reporting Limit	Flag
Naphthalene	44 mg/Kg	3.4 mg/Kg	1
2-Methylnaphthalene	15 mg/Kg	3.4 mg/Kg	1
Acenaphthylene	1.0 mg/Kg	0.84 mg/Kg	1
Acenaphthene	1.1 mg/Kg	0.84 mg/Kg	1
Dibenzofuran	3.1 mg/Kg	0.84 mg/Kg	1
Fluorene	3.1 mg/Kg	0.84 mg/Kg	1
Phenanthrene	8.1 mg/Kg	0.84 mg/Kg	1
Anthracene	2.4 mg/Kg	0.84 mg/Kg	1
Fluoranthene	3.8 mg/Kg	0.84 mg/Kg	1
Pyrene	3.8 mg/Kg	0.84 mg/Kg	1
Benzo(a)anthracene	1.6 mg/Kg	0.84 mg/Kg	1
Chrysene	1.4 mg/Kg	0.84 mg/Kg	1
Benzo(b)fluoranthene	0.96 mg/Kg	0.84 mg/Kg	1
Benzo(k)fluoranthene	1.2 mg/Kg	0.84 mg/Kg	1
Benzo(a)pyrene	1.3 mg/Kg	0.84 mg/Kg	1
Indeno(1,2,3-c,d)pyrene	< 0.84 mg/Kg	0.84 mg/Kg	1
Dibenzo(a,h)anthracene	< 0.84 mg/Kg	0.84 mg/Kg	1

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North Carolina Department of Environment and Natural Resources (DENR) Certification # **248**
South Carolina Department of Health and Environmental Control (DHEC) Laboratory Identification # **99005**

Sample ID # : **21031282** Job # : **01-AUG-0552**

Sample Description: **BRAM-06-SWD**

Collection Date: **21-Aug-01 14:02:00** Site : **BRAMLETT ST** Sample Type: **SOIL** Desktop #

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **08/30/01**

	Result	Reporting Limit	Flag
Benzo(g,h,i)perylene	**< 0.84 mg/Kg**	**0.84 mg/Kg**	**1**

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration, *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration
7 - Reported concentration is the combination of more that one aroclor. (Reported Aroclor is the Aroclor of highest concentration in the sample)

Troy Whisenant 9/4/01
Data Reported By, Date

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Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

August 31, 2001

Mr. Troy Whisenant
Duke Power
13339 Hagers Ferry Road
MG03A2
Huntersville, NC 28078

RE: Lab Project Number: 9225575
Client Project ID: 01-AUG-0552/FH101376/MR1479302

Dear Mr. Whisenant:

Enclosed are the analytical results for sample(s) received by the laboratory on August 24, 2001. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kristi R. Tart

Kristi Tart
Kristi.Tart@pacelabs.com
Project Manager

Enclosures

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Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone. 704.875.9092
Fax: 704.875.9091

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13339 Hagers Ferry Road
MG03A2
Huntersville, NC 28078

Lab Project Number: 9225575
Client Project ID: 01-AUG-0552/FH101376/MR1479302

Attn: Mr. Troy Whisenant
Phone: (704)875-5204

Solid results are reported on a wet weight basis

Lab Sample No: 921782033 Project Sample Number: 9225575-001 Date Collected: 08/21/01 13:48
Client Sample ID: 21031278/BRAM-02-SW Matrix: Soil Date Received: 08/24/01 15:45

Parameters	Results	Units	Report Limit	Analyzed		CAS No.	Ftnote	Reg Limit
Wet Chemistry								
Percent Moisture	Method: % Moisture							
Percent Moisture	26.8	%		08/28/01	AST			
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Prep/Method: EPA 8260 / EPA 8260							
Benzene	ND	ug/kg	5.0	08/30/01 05:16	RPJ	71-43-2		
Bromobenzene	ND	ug/kg	5.0	08/30/01 05:16	RPJ	108-86-1		
Bromochloromethane	ND	ug/kg	5.0	08/30/01 05:16	RPJ	74-97-5		
Bromodichloromethane	ND	ug/kg	5.0	08/30/01 05:16	RPJ	75-27-4		
Bromoform	ND	ug/kg	5.0	08/30/01 05:16	RPJ	75-25-2		
Bromomethane	ND	ug/kg	10.	08/30/01 05:16	RPJ	74-83-9		
n-Butylbenzene	ND	ug/kg	5.0	08/30/01 05:16	RPJ	104-51-8		
sec-Butylbenzene	ND	ug/kg	5.0	08/30/01 05:16	RPJ	135-98-8		
tert-Butylbenzene	ND	ug/kg	5.0	08/30/01 05:16	RPJ	98-06-6		
Carbon tetrachloride	ND	ug/kg	5.0	08/30/01 05:16	RPJ	56-23-5		
Chlorobenzene	ND	ug/kg	5.0	08/30/01 05:16	RPJ	108-90-7		
Chloroethane	ND	ug/kg	10.	08/30/01 05:16	RPJ	75-00-3		
Chloroform	ND	ug/kg	5.0	08/30/01 05:16	RPJ	67-66-3		
Chloromethane	ND	ug/kg	10.	08/30/01 05:16	RPJ	74-87-3		
2-Chlorotoluene	ND	ug/kg	5.0	08/30/01 05:16	RPJ	95-49-8		
4-Chlorotoluene	ND	ug/kg	5.0	08/30/01 05:16	RPJ	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0	08/30/01 05:16	RPJ	96-12-8		
Dibromochloromethane	ND	ug/kg	5.0	08/30/01 05:16	RPJ	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	08/30/01 05:16	RPJ	106-93-4		
Dibromomethane	ND	ug/kg	5.0	08/30/01 05:16	RPJ	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	5.0	08/30/01 05:16	RPJ	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	5.0	08/30/01 05:16	RPJ	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	5.0	08/30/01 05:16	RPJ	106-46-7		

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Lab Project Number: 9225575
Client Project ID: 01-AUG-0552/FH101376/MR1479302

Lab Sample No: 921782033 Project Sample Number: 9225575-001 Date Collected: 08/21/01 13:48
Client Sample ID: 21031278/BRAM-02-SW Matrix: Soil Date Received: 08/24/01 15:45

Parameters	Results	Units	Report Limit	Analyzed		CAS No.	Ftnote	Reg Limit
Dichlorodifluoromethane	ND	ug/kg	10.	08/30/01 05:16	RPJ	75-71-8		
1,1-Dichloroethane	ND	ug/kg	5.0	08/30/01 05:16	RPJ	75-34-3		
1,2-Dichloroethane	ND	ug/kg	5.0	08/30/01 05:16	RPJ	107-06-2		
1,1-Dichloroethene	ND	ug/kg	5.0	08/30/01 05:16	RPJ	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	5.0	08/30/01 05:16	RPJ	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	5.0	08/30/01 05:16	RPJ	156-60-5		
1,2-Dichloropropane	ND	ug/kg	5.0	08/30/01 05:16	RPJ	78-87-5		
1,3-Dichloropropane	ND	ug/kg	5.0	08/30/01 05:16	RPJ	142-28-9		
2,2-Dichloropropane	ND	ug/kg	5.0	08/30/01 05:16	RPJ	594-20-7		
1,1-Dichloropropene	ND	ug/kg	5.0	08/30/01 05:16	RPJ	563-58-6		
Diisopropyl ether	ND	ug/kg	5.0	08/30/01 05:16	RPJ	108-20-3		
Ethylbenzene	ND	ug/kg	5.0	08/30/01 05:16	RPJ	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	08/30/01 05:16	RPJ	87-68-3		
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	08/30/01 05:16	RPJ	98-82-8		
p-Isopropyltoluene	ND	ug/kg	5.0	08/30/01 05:16	RPJ	99-87-6		
Methylene chloride	ND	ug/kg	5.0	08/30/01 05:16	RPJ	75-09-2		
Methyl-tert-butyl ether	ND	ug/kg	5.0	08/30/01 05:16	RPJ	1634-04-4		
Naphthalene	ND	ug/kg	5.0	08/30/01 05:16	RPJ	91-20-3		
n-Propylbenzene	ND	ug/kg	5.0	08/30/01 05:16	RPJ	103-65-1		
Styrene	ND	ug/kg	5.0	08/30/01 05:16	RPJ	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	08/30/01 05:16	RPJ	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	08/30/01 05:16	RPJ	79-34-5		
Tetrachloroethene	ND	ug/kg	5.0	08/30/01 05:16	RPJ	127-18-4		
Toluene	ND	ug/kg	5.0	08/30/01 05:16	RPJ	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	08/30/01 05:16	RPJ	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	08/30/01 05:16	RPJ	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	5.0	08/30/01 05:16	RPJ	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	5.0	08/30/01 05:16	RPJ	79-00-5		
Trichloroethene	ND	ug/kg	5.0	08/30/01 05:16	RPJ	79-01-6		
Trichlorofluoromethane	ND	ug/kg	5.0	08/30/01 05:16	RPJ	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	5.0	08/30/01 05:16	RPJ	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	08/30/01 05:16	RPJ	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	08/30/01 05:16	RPJ	108-67-8		
Vinyl chloride	ND	ug/kg	10.	08/30/01 05:16	RPJ	75-01-4		
m&p-Xylene	ND	ug/kg	10.	08/30/01 05:16	RPJ			
o-Xylene	ND	ug/kg	5.0	08/30/01 05:16	RPJ	95-47-6		
Toluene-d8 (S)	94	%		08/30/01 05:16	RPJ	2037-26-5		

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Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 9225575
Client Project ID: 01-AUG-0552/FH101376/MR1479302

Lab Sample No: 921782033 Project Sample Number: 9225575-001 Date Collected: 08/21/01 13:48
Client Sample ID: 21031278/BRAM-02-SW Matrix: Soil Date Received: 08/24/01 15:45

Parameters	Results	Units	Report Limit	Analyzed		CAS No.	Ftnote	Req Limit
4-Bromofluorobenzene (S)	94	%		08/30/01 05:16	RPJ	460-00-4		
Dibromofluoromethane (S)	92	%		08/30/01 05:16	RPJ			
1,2-Dichloroethane-d4 (S)	86	%		08/30/01 05:16	RPJ	17060-07-0		

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Lab Project Number: 9225575
Client Project ID: 01-AUG-0552/FH101376/MR1479302

Lab Sample No: 921782041 Project Sample Number: 9225575-002 Date Collected: 08/21/01 13:57
Client Sample ID: 21031280/BRAM-04-SW Matrix: Soil Date Received: 08/24/01 15:45

Parameters	Results	Units	Report Limit	Analyzed		CAS No.	Ftnote	Reg Limit
1,3-Dichloropropane	ND	ug/kg	5.0	08/30/01 06:51	RPJ	142-28-9		
2,2-Dichloropropane	ND	ug/kg	5.0	08/30/01 06:51	RPJ	594-20-7		
1,1-Dichloropropene	ND	ug/kg	5.0	08/30/01 06:51	RPJ	563-58-6		
Diisopropyl ether	ND	ug/kg	5.0	08/30/01 06:51	RPJ	108-20-3		
Ethylbenzene	ND	ug/kg	5.0	08/30/01 06:51	RPJ	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	08/30/01 06:51	RPJ	87-68-3		
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	08/30/01 06:51	RPJ	98-82-8		
p-Isopropyltoluene	ND	ug/kg	5.0	08/30/01 06:51	RPJ	99-87-6		
Methylene chloride	ND	ug/kg	5.0	08/30/01 06:51	RPJ	75-09-2		
Methyl-tert-butyl ether	ND	ug/kg	5.0	08/30/01 06:51	RPJ	1634-04-4		
Naphthalene	ND	ug/kg	5.0	08/30/01 06:51	RPJ	91-20-3		
n-Propylbenzene	ND	ug/kg	5.0	08/30/01 06:51	RPJ	103-65-1		
Styrene	ND	ug/kg	5.0	08/30/01 06:51	RPJ	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	08/30/01 06:51	RPJ	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	08/30/01 06:51	RPJ	79-34-5		
Tetrachloroethene	ND	ug/kg	5.0	08/30/01 06:51	RPJ	127-18-4		
Toluene	ND	ug/kg	5.0	08/30/01 06:51	RPJ	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	08/30/01 06:51	RPJ	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	08/30/01 06:51	RPJ	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	5.0	08/30/01 06:51	RPJ	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	5.0	08/30/01 06:51	RPJ	79-00-5		
Trichloroethene	ND	ug/kg	5.0	08/30/01 06:51	RPJ	79-01-6		
Trichlorofluoromethane	ND	ug/kg	5.0	08/30/01 06:51	RPJ	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	5.0	08/30/01 06:51	RPJ	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	08/30/01 06:51	RPJ	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	08/30/01 06:51	RPJ	108-67-8		
Vinyl chloride	ND	ug/kg	10.	08/30/01 06:51	RPJ	75-01-4		
m&p-Xylene	ND	ug/kg	10.	08/30/01 06:51	RPJ			
o-Xylene	ND	ug/kg	5.0	08/30/01 06:51	RPJ	95-47-6		
Toluene-d8 (S)	99	%		08/30/01 06:51	RPJ	2037-26-5		
4-Bromofluorobenzene (S)	105	%		08/30/01 06:51	RPJ	460-00-4		
Dibromofluoromethane (S)	84	%		08/30/01 06:51	RPJ			
1,2-Dichloroethane-d4 (S)	71	%		08/30/01 06:51	RPJ	17060-07-0	1	

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Lab Project Number: 9225575
Client Project ID: 01-AUG-0552/FH101376/MR1479302

Lab Sample No: 921782058 Project Sample Number: 9225575-003 Date Collected: 08/21/01 14:02
Client Sample ID: 21031281/BRAM-05-B Matrix: Soil Date Received: 08/24/01 15:45

Parameters	Results	Units	Report Limit	Analyzed		CAS No.	Ftnote	Reg Limit
Wet Chemistry								
Percent Moisture	Method: % Moisture							
Percent Moisture	20.0	%		08/28/01	AST			
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Prep/Method: EPA 8260 / EPA 8260							
Benzene	ND	ug/kg	5.0	08/30/01 07:55	RPJ	71-43-2		
Bromobenzene	ND	ug/kg	5.0	08/30/01 07:55	RPJ	108-86-1		
Bromochloromethane	ND	ug/kg	5.0	08/30/01 07:55	RPJ	74-97-5		
Bromodichloromethane	ND	ug/kg	5.0	08/30/01 07:55	RPJ	75-27-4		
Bromoform	ND	ug/kg	5.0	08/30/01 07:55	RPJ	75-25-2		
Bromomethane	ND	ug/kg	10.	08/30/01 07:55	RPJ	74-83-9		
n-Butylbenzene	ND	ug/kg	5.0	08/30/01 07:55	RPJ	104-51-8		
sec-Butylbenzene	ND	ug/kg	5.0	08/30/01 07:55	RPJ	135-98-8		
tert-Butylbenzene	ND	ug/kg	5.0	08/30/01 07:55	RPJ	98-06-6		
Carbon tetrachloride	ND	ug/kg	5.0	08/30/01 07:55	RPJ	56-23-5		
Chlorobenzene	ND	ug/kg	5.0	08/30/01 07:55	RPJ	108-90-7		
Chloroethane	ND	ug/kg	10.	08/30/01 07:55	RPJ	75-00-3		
Chloroform	ND	ug/kg	5 0	08/30/01 07:55	RPJ	67-66-3		
Chloromethane	ND	ug/kg	10.	08/30/01 07:55	RPJ	74-87-3		
2-Chlorotoluene	ND	ug/kg	5.0	08/30/01 07:55	RPJ	95-49-8		
4-Chlorotoluene	ND	ug/kg	5.0	08/30/01 07:55	RPJ	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0	08/30/01 07:55	RPJ	96-12-8		
Dibromochloromethane	ND	ug/kg	5.0	08/30/01 07:55	RPJ	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	08/30/01 07:55	RPJ	106-93-4		
Dibromomethane	ND	ug/kg	5.0	08/30/01 07:55	RPJ	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	5.0	08/30/01 07:55	RPJ	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	5.0	08/30/01 07:55	RPJ	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	5.0	08/30/01 07:55	RPJ	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	10.	08/30/01 07:55	RPJ	75-71-8		
1,1-Dichloroethane	ND	ug/kg	5.0	08/30/01 07:55	RPJ	75-34-3		
1,2-Dichloroethane	ND	ug/kg	5.0	08/30/01 07:55	RPJ	107-06-2		
1,1-Dichloroethene	ND	ug/kg	5.0	08/30/01 07:55	RPJ	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	5.0	08/30/01 07:55	RPJ	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	5.0	08/30/01 07:55	RPJ	156-60-5		
1,2-Dichloropropane	ND	ug/kg	5.0	08/30/01 07:55	RPJ	78-87-5		

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Lab Project Number: 9225575
Client Project ID: 01-AUG-0552/FH101376/MR1479302

Lab Sample No: 921782041 Project Sample Number: 9225575-002 Date Collected: 08/21/01 13:57
Client Sample ID: 21031280/BRAM-04-SW Matrix: Soil Date Received: 08/24/01 15:45

Parameters	Results	Units	Report Limit	Analyzed		CAS No.	Ftnote	Reg Limit
Wet Chemistry								
Percent Moisture	Method: % Moisture							
Percent Moisture	13.3	%		08/28/01	AST			
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Prep/Method: EPA 8260 / EPA 8260							
Benzene	ND	ug/kg	5.0	08/30/01 06:51	RPJ	71-43-2		
Bromobenzene	ND	ug/kg	5.0	08/30/01 06:51	RPJ	108-86-1		
Bromochloromethane	ND	ug/kg	5.0	08/30/01 06:51	RPJ	74-97-5		
Bromodichloromethane	ND	ug/kg	5.0	08/30/01 06:51	RPJ	75-27-4		
Bromoform	ND	ug/kg	5.0	08/30/01 06:51	RPJ	75-25-2		
Bromomethane	ND	ug/kg	10.	08/30/01 06:51	RPJ	74-83-9		
n-Butylbenzene	ND	ug/kg	5.0	08/30/01 06:51	RPJ	104-51-8		
sec-Butylbenzene	ND	ug/kg	5.0	08/30/01 06:51	RPJ	135-98-8		
tert-Butylbenzene	ND	ug/kg	5.0	08/30/01 06:51	RPJ	98-06-6		
Carbon tetrachloride	ND	ug/kg	5.0	08/30/01 06:51	RPJ	56-23-5		
Chlorobenzene	ND	ug/kg	5.0	08/30/01 06:51	RPJ	108-90-7		
Chloroethane	ND	ug/kg	10.	08/30/01 06:51	RPJ	75-00-3		
Chloroform	ND	ug/kg	5.0	08/30/01 06:51	RPJ	67-66-3		
Chloromethane	ND	ug/kg	10.	08/30/01 06:51	RPJ	74-87-3		
2-Chlorotoluene	ND	ug/kg	5.0	08/30/01 06:51	RPJ	95-49-8		
4-Chlorotoluene	ND	ug/kg	5.0	08/30/01 06:51	RPJ	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0	08/30/01 06:51	RPJ	96-12-8		
Dibromochloromethane	ND	ug/kg	5.0	08/30/01 06:51	RPJ	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	08/30/01 06:51	RPJ	106-93-4		
Dibromomethane	ND	ug/kg	5.0	08/30/01 06:51	RPJ	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	5.0	08/30/01 06:51	RPJ	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	5.0	08/30/01 06:51	RPJ	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	5.0	08/30/01 06:51	RPJ	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	10.	08/30/01 06:51	RPJ	75-71-8		
1,1-Dichloroethane	ND	ug/kg	5.0	08/30/01 06:51	RPJ	75-34-3		
1,2-Dichloroethane	ND	ug/kg	5.0	08/30/01 06:51	RPJ	107-06-2		
1,1-Dichloroethene	ND	ug/kg	5.0	08/30/01 06:51	RPJ	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	5.0	08/30/01 06:51	RPJ	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	5.0	08/30/01 06:51	RPJ	156-60-5		
1,2-Dichloropropane	ND	ug/kg	5.0	08/30/01 06:51	RPJ	78-87-5		

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Lab Project Number: 9225575
Client Project ID: 01-AUG-0552/FH101376/MR1479302

Lab Sample No: 921782058 Project Sample Number: 9225575-003 Date Collected: 08/21/01 14:02
Client Sample ID: 21031281/BRAM-05-B Matrix: Soil Date Received: 08/24/01 15:45

Parameters	Results	Units	Report Limit	Analyzed		CAS No.	Ftnote	Reg Limit
1,3-Dichloropropane	ND	ug/kg	5.0	08/30/01 07:55	RPJ	142-28-9		
2,2-Dichloropropane	ND	ug/kg	5.0	08/30/01 07:55	RPJ	594-20-7		
1,1-Dichloropropene	ND	ug/kg	5.0	08/30/01 07:55	RPJ	563-58-6		
Diisopropyl ether	ND	ug/kg	5.0	08/30/01 07:55	RPJ	108-20-3		
Ethylbenzene	ND	ug/kg	5.0	08/30/01 07:55	RPJ	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	08/30/01 07:55	RPJ	87-68-3		
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	08/30/01 07:55	RPJ	98-82-8		
p-Isopropyltoluene	ND	ug/kg	5.0	08/30/01 07:55	RPJ	99-87-6		
Methylene chloride	ND	ug/kg	5.0	08/30/01 07:55	RPJ	75-09-2		
Methyl-tert-butyl ether	ND	ug/kg	5.0	08/30/01 07:55	RPJ	1634-04-4		
Naphthalene	ND	ug/kg	5.0	08/30/01 07:55	RPJ	91-20-3		
n-Propylbenzene	ND	ug/kg	5.0	08/30/01 07:55	RPJ	103-65-1		
Styrene	ND	ug/kg	5.0	08/30/01 07:55	RPJ	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	08/30/01 07:55	RPJ	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	08/30/01 07:55	RPJ	79-34-5		
Tetrachloroethene	ND	ug/kg	5.0	08/30/01 07:55	RPJ	127-18-4		
Toluene	ND	ug/kg	5.0	08/30/01 07:55	RPJ	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	08/30/01 07:55	RPJ	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	08/30/01 07:55	RPJ	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	5.0	08/30/01 07:55	RPJ	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	5.0	08/30/01 07:55	RPJ	79-00-5		
Trichloroethene	ND	ug/kg	5.0	08/30/01 07:55	RPJ	79-01-6		
Trichlorofluoromethane	ND	ug/kg	5.0	08/30/01 07:55	RPJ	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	5.0	08/30/01 07:55	RPJ	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	08/30/01 07:55	RPJ	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	08/30/01 07:55	RPJ	108-67-8		
Vinyl chloride	ND	ug/kg	10.	08/30/01 07:55	RPJ	75-01-4		
m&p-Xylene	ND	ug/kg	10.	08/30/01 07:55	RPJ			
o-Xylene	ND	ug/kg	5.0	08/30/01 07:55	RPJ	95-47-6		
Toluene-d8 (S)	97	%		08/30/01 07:55	RPJ	2037-26-5		
4-Bromofluorobenzene (S)	98	%		08/30/01 07:55	RPJ	460-00-4		
Dibromofluoromethane (S)	90	%		08/30/01 07:55	RPJ			
1,2-Dichloroethane-d4 (S)	84	%		08/30/01 07:55	RPJ	17060-07-0		

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Lab Project Number: 9225575
Client Project ID: 01-AUG-0552/FH101376/MR1479302

Lab Sample No: 921782066 Project Sample Number: 9225575-004 Date Collected: 08/23/01 10:00
Client Sample ID: 21031282/BRAM-06-SWD Matrix: Soil Date Received: 08/24/01 15:45

Parameters	Results	Units	Report Limit	Analyzed		CAS No.	Ftnote	Reg Limit
Wet Chemistry								
Percent Moisture	Method: % Moisture							
Percent Moisture	23.0	%		08/28/01	AST			
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Prep/Method: EPA 8260 / EPA 8260							
Benzene	140	ug/kg	25.	08/30/01 09:30	RPJ	71-43-2		
Bromobenzene	ND	ug/kg	25.	08/30/01 09:30	RPJ	108-86-1		
Bromochloromethane	ND	ug/kg	25.	08/30/01 09:30	RPJ	74-97-5		
Bromodichloromethane	ND	ug/kg	25.	08/30/01 09:30	RPJ	75-27-4		
Bromoform	ND	ug/kg	25.	08/30/01 09:30	RPJ	75-25-2		
Bromomethane	ND	ug/kg	50.	08/30/01 09:30	RPJ	74-83-9		
n-Butylbenzene	190	ug/kg	25.	08/30/01 09:30	RPJ	104-51-8		
sec-Butylbenzene	ND	ug/kg	25.	08/30/01 09:30	RPJ	135-98-8		
tert-Butylbenzene	ND	ug/kg	25.	08/30/01 09:30	RPJ	98-06-6		
Carbon tetrachloride	ND	ug/kg	25.	08/30/01 09:30	RPJ	56-23-5		
Chlorobenzene	ND	ug/kg	25.	08/30/01 09:30	RPJ	108-90-7		
Chloroethane	ND	ug/kg	50.	08/30/01 09:30	RPJ	75-00-3		
Chloroform	ND	ug/kg	25.	08/30/01 09:30	RPJ	67-66-3		
Chloromethane	ND	ug/kg	50.	08/30/01 09:30	RPJ	74-87-3		
2-Chlorotoluene	ND	ug/kg	25.	08/30/01 09:30	RPJ	95-49-8		
4-Chlorotoluene	ND	ug/kg	25.	08/30/01 09:30	RPJ	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	25.	08/30/01 09:30	RPJ	96-12-8		
Dibromochloromethane	ND	ug/kg	25.	08/30/01 09:30	RPJ	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	25.	08/30/01 09:30	RPJ	106-93-4		
Dibromomethane	ND	ug/kg	25.	08/30/01 09:30	RPJ	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	25.	08/30/01 09:30	RPJ	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	25.	08/30/01 09:30	RPJ	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	25.	08/30/01 09:30	RPJ	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	50.	08/30/01 09:30	RPJ	75-71-8		
1,1-Dichloroethane	ND	ug/kg	25.	08/30/01 09:30	RPJ	75-34-3		
1,2-Dichloroethane	ND	ug/kg	25.	08/30/01 09:30	RPJ	107-06-2		
1,1-Dichloroethene	ND	ug/kg	25.	08/30/01 09:30	RPJ	75-35-4		
cis-1,2-Dichloroethene	29.	ug/kg	25.	08/30/01 09:30	RPJ	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	25.	08/30/01 09:30	RPJ	156-60-5		
1,2-Dichloropropane	ND	ug/kg	25.	08/30/01 09:30	RPJ	78-87-5		

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Lab Project Number: 9225575
Client Project ID: 01-AUG-0552/FH101376/MR1479302

Lab Sample No: 921782066 Project Sample Number: 9225575-004 Date Collected: 08/23/01 10:00
Client Sample ID: 21031282/BRAM-06-SWD Matrix: Soil Date Received: 08/24/01 15:45

Parameters	Results	Units	Report Limit	Analyzed		CAS No.	Ftnote	Reg Limit
1,3-Dichloropropane	ND	ug/kg	25.	08/30/01 09:30	RPJ	142-28-9		
2,2-Dichloropropane	ND	ug/kg	25.	08/30/01 09:30	RPJ	594-20-7		
1,1-Dichloropropene	ND	ug/kg	25.	08/30/01 09:30	RPJ	563-58-6		
Diisopropyl ether	ND	ug/kg	25.	08/30/01 09:30	RPJ	108-20-3		
Ethylbenzene	1200	ug/kg	250	08/30/01 09:30	RPJ	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	25.	08/30/01 09:30	RPJ	87-68-3		
Isopropylbenzene (Cumene)	190	ug/kg	25.	08/30/01 09:30	RPJ	98-82-8		
p-Isopropyltoluene	220	ug/kg	25.	08/30/01 09:30	RPJ	99-87-6		
Methylene chloride	ND	ug/kg	25.	08/30/01 09:30	RPJ	75-09-2		
Methyl-tert-butyl ether	ND	ug/kg	25.	08/30/01 09:30	RPJ	1634-04-4		
Naphthalene	110000	ug/kg	5000	08/30/01 09:30	RPJ	91-20-3		
n-Propylbenzene	270	ug/kg	25.	08/30/01 09:30	RPJ	103-65-1		
Styrene	26.	ug/kg	25.	08/30/01 09:30	RPJ	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	25.	08/30/01 09:30	RPJ	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	25.	08/30/01 09:30	RPJ	79-34-5		
Tetrachloroethene	ND	ug/kg	25.	08/30/01 09:30	RPJ	127-18-4		
Toluene	96.	ug/kg	25.	08/30/01 09:30	RPJ	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	25.	08/30/01 09:30	RPJ	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	25.	08/30/01 09:30	RPJ	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	25.	08/30/01 09:30	RPJ	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	25.	08/30/01 09:30	RPJ	79-00-5		
Trichloroethene	ND	ug/kg	25.	08/30/01 09:30	RPJ	79-01-6		
Trichlorofluoromethane	ND	ug/kg	25.	08/30/01 09:30	RPJ	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	25.	08/30/01 09:30	RPJ	96-18-4		
1,2,4-Trimethylbenzene	5600	ug/kg	250	08/30/01 09:30	RPJ	95-63-6		
1,3,5-Trimethylbenzene	2400	ug/kg	250	08/30/01 09:30	RPJ	108-67-8		
Vinyl chloride	ND	ug/kg	50.	08/30/01 09:30	RPJ	75-01-4		
m&p-Xylene	1800	ug/kg	500	08/30/01 09:30	RPJ			
o-Xylene	990	ug/kg	250	08/30/01 09:30	RPJ	95-47-6		
Toluene-d8 (S)	102	%		08/30/01 09:30	RPJ	2037-26-5		
4-Bromofluorobenzene (S)	108	%		08/30/01 09:30	RPJ	460-00-4		
Dibromofluoromethane (S)	98	%		08/30/01 09:30	RPJ			
1,2-Dichloroethane-d4 (S)	98	%		08/30/01 09:30	RPJ	17060-07-0		

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www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 9225575
Client Project ID: 01-AUG-0552/FH101376/MR1479302

PARAMETER FOOTNOTES

ND Not Detected.
NC Not Calculable
(S) Surrogate
[1] The surrogate and/or spike recovery was outside acceptance limits.

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Form 89962 (9-97)
Previously Form 35226

Duke Power's Analytical Laboratory
MNS Bldg. # 7405 (MG03A2)
13339 Hagers Ferry Road
Huntersville, NC 28078
Phone: (704) 875-5209/875-5245[1]
Fax: (704) 875-5038

LAB USE[8]

LIMS #	Sample Class
01-AUG-0707	MGP

Logged By (Ini.)	Time	Date
VSB	0807	8/31/01

Vendored Samples

Vendor	Analysis

Vendor	P.O. #

CLIENT[2]: [redacted] Report to/Ph.[4]: Tim Hunsucker

Project Name[3]: Bram MGP Mail Code: MG03A3

FMIS #
Business Unit[4]: _____ Resp. Center To: 0897
Project ID[5]: MGP BRAM
Activity ID[6]: ALLACTV
Process[7]: _____

Container Type: (✓)Glass ( )Plastic[13]

Preservative Added[14]

HNO_3													
H_2SO_4													
Ice	✓	✓											
Other													
None													

Sample #[9]	Lab PROFS #[10]	Sample Description or ID[11]	Collection Information[12] Date	Time	Signature	GRAB[16]	COMP[17]	Analysis Required[15] 8260-MGP	8270-MGP	TOTAL # OF CONTAINERS[18]
21032342		BRAM-07-SWD	8/27/01	1300	Tim Hunsucker	✓		1	1	2
21032343		BRAM-08-B	8/27/01	1330		✓		1	1	2
21032344		BRAM-12-B	8/29/01	1310		✓		1	1	2
21032345		BRAM-14-SW	8/30/01	0945	Tim Hunsucker	✓		1	1	2

Relinquished by:[19]	Date/Time	Accepted By:	Date/Time
Tim Hunsucker	8/30/01 @ 1540	Vickie Bowers	8/30/01 1540
Relinquished by:	Date/Time	Accepted By:	Date/Time
Seal/Locked by[20]	Date/Time	Seal/Lock Opened By:	Date/Time

Turnaround Requested[21]
- ☑ Routine (2 weeks)
- ☐ Rush (1 week)
- ☐ Emergency Rush (24-48 Hrs.)*

Date Results Requested: _____
*Additional Charges Will Apply

Sample Matrix[22] NC ☐ SC ☑
Ground Water ☐ NPDES ☐
Drinking Water ☐ UST ☐
RCRA Waste ☐ Other ☑

TEMP:[23] 3.3 °C

Comments:[24]

Original – AL Files[25] Copy 1– AL Files Copy 2 – Client Copy

See Instructions on the back of this form.

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8270 / 625 Case Narrative

(This document must accompany release of analytical results)

LIMS Job Number **01-AUG-0707**

- *The percent recovery and/or the average percent recovery for naphthalene, 2-methylnaphthalene, acenaphthylene, acenaphthene, and dibenzofuran in the Matrix Spike and Matrix Spike Duplicate did not meet the laboratory control limits. The results for these analytes should be considered estimates for sample 21032343.*
- *The relative percent difference for several compounds in the Matrix Spike and Matrix Spike Duplicate samples exceeded the laboratory control limit of 20%.*
- *The percent recoveries for the surrogates, 2-Fluorophenol, Nitrobenzene-d5, and 2-Fluorobiphenyl were lower than the laboratory control limit in sample 21032345. The results for all analytes should be considered estimates for sample 21032345.*

Shannon Rollins

Analyst

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Duke Power's Analytical Laboratory

Group Environment, Health and Safety
Phone: 704-875-5209
Fax: 704-875-5038

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South Carolina Department of Health and Environmental Control (DHEC) Laboratory Identification # **99005**

Sample ID # : **21032342** Job # : **01-AUG-0707**

Sample Description: **BRAM-07-SWD**

Collection Date: **27-Aug-01 13:00:00** Site : **BRAMLETT ST** Sample Type: **SOIL** Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **09/11/01**

	Result	Reporting Limit	Flag
Benzene	< 530 ug/Kg	530 ug/Kg	0
Toluene	< 530 ug/Kg	530 ug/Kg	0
Ethylbenzene	< 530 ug/Kg	530 ug/Kg	0
m-p-Xylene	< 1100 ug/Kg	1100 ug/Kg	0
o-Xylene	< 530 ug/Kg	530 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **09/11/01**

	Result	Reporting Limit	Flag
Naphthalene	5.8 mg/Kg	0.61 mg/Kg	0
2-Methylnaphthalene	8.3 mg/Kg	1.2 mg/Kg	0
Acenaphthylene	< 0.61 mg/Kg	0.61 mg/Kg	0
Acenaphthene	< 0.61 mg/Kg	0.61 mg/Kg	0
Dibenzofuran	< 0.61 mg/Kg	0.61 mg/Kg	0
Fluorene	0.66 mg/Kg	0.61 mg/Kg	0
Phenanthrene	2.2 mg/Kg	0.61 mg/Kg	0
Anthracene	< 0.61 mg/Kg	0.61 mg/Kg	0
Fluoranthene	< 0.61 mg/Kg	0.61 mg/Kg	0
Pyrene	0.86 mg/Kg	0.61 mg/Kg	0
Benzo(a)anthracene	< 0.61 mg/Kg	0.61 mg/Kg	0
Chrysene	< 0.61 mg/Kg	0.61 mg/Kg	0
Benzo(b)fluoranthene	< 0.61 mg/Kg	0.61 mg/Kg	0
Benzo(k)fluoranthene	< 0.61 mg/Kg	0.61 mg/Kg	0
Benzo(a)pyrene	< 0.61 mg/Kg	0.61 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 0.61 mg/Kg	0.61 mg/Kg	0
Dibenzo(a,h)anthracene	< 0.61 mg/Kg	0.61 mg/Kg	0
Benzo(g,h,i)perylene	< 0.61 mg/Kg	0.61 mg/Kg	0

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North Carolina Department of Environment and Natural Resources (DENR) Certification # 248
South Carolina Department of Health and Environmental Control (DHEC) Laboratory Identification # 99005

Sample ID #: **21032343** Job #: **01-AUG-0707**

Sample Description: **BRAM-08-B**

Collection Date: 27-Aug-01 13:30:00 Site : BRAMLETT ST Sample Type: SOIL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **09/11/01**

	Result	Reporting Limit	Flag
Benzene	< 700 ug/Kg	700 ug/Kg	0
Toluene	< 700 ug/Kg	700 ug/Kg	0
Ethylbenzene	< 700 ug/Kg	700 ug/Kg	0
m-p-Xylene	< 1400 ug/Kg	1400 ug/Kg	0
o-Xylene	< 700 ug/Kg	700 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **09/11/01**

	Result	Reporting Limit	Flag
Naphthalene	< 0.78 mg/Kg	0.78 mg/Kg	0
2-Methylnaphthalene	< 0.78 mg/Kg	0.78 mg/Kg	0
Acenaphthylene	< 0.78 mg/Kg	0.78 mg/Kg	0
Acenaphthene	< 0.78 mg/Kg	0.78 mg/Kg	0
Dibenzofuran	< 0.78 mg/Kg	0.78 mg/Kg	0
Fluorene	< 0.78 mg/Kg	0.78 mg/Kg	0
Phenanthrene	< 0.78 mg/Kg	0.78 mg/Kg	0
Anthracene	< 0.78 mg/Kg	0.78 mg/Kg	0
Fluoranthene	< 0.78 mg/Kg	0.78 mg/Kg	0
Pyrene	< 0.78 mg/Kg	0.78 mg/Kg	0
Benzo(a)anthracene	< 0.78 mg/Kg	0.78 mg/Kg	0
Chrysene	< 0.78 mg/Kg	0.78 mg/Kg	0
Benzo(b)fluoranthene	< 0.78 mg/Kg	0.78 mg/Kg	0
Benzo(k)fluoranthene	< 0.78 mg/Kg	0.78 mg/Kg	0
Benzo(a)pyrene	< 0.78 mg/Kg	0.78 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 0.78 mg/Kg	0.78 mg/Kg	0
Dibenzo(a,h)anthracene	< 0.78 mg/Kg	0.78 mg/Kg	0
Benzo(g,h,i)perylene	< 0.78 mg/Kg	0.78 mg/Kg	0

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South Carolina Department of Health and Environmental Control (DHEC) Laboratory Identification # **99005**

Sample ID # : **21032344** Job # : **01-AUG-0707**

Sample Description: **BRAM-12-B**

Collection Date: **29-Aug-01 13:10:00** Site : **BRAMLETT ST** Sample Type: **SOIL** Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **09/11/01**

	Result	Reporting Limit	Flag
Benzene	< 590 ug/Kg	590 ug/Kg	0
Toluene	< 590 ug/Kg	590 ug/Kg	0
Ethylbenzene	< 590 ug/Kg	590 ug/Kg	0
m-p-Xylene	< 1200 ug/Kg	1200 ug/Kg	0
o-Xylene	< 590 ug/Kg	590 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **09/11/01**

	Result	Reporting Limit	Flag
Naphthalene	< 0.34 mg/Kg	0.34 mg/Kg	1
2-Methylnaphthalene	< 0.34 mg/Kg	0.34 mg/Kg	1
Acenaphthylene	< 0.34 mg/Kg	0.34 mg/Kg	1
Acenaphthene	< 0.34 mg/Kg	0.34 mg/Kg	1
Dibenzofuran	< 0.34 mg/Kg	0.34 mg/Kg	1
Fluorene	< 0.34 mg/Kg	0.34 mg/Kg	0
Phenanthrene	< 0.34 mg/Kg	0.34 mg/Kg	0
Anthracene	< 0.34 mg/Kg	0.34 mg/Kg	0
Fluoranthene	< 0.34 mg/Kg	0.34 mg/Kg	0
Pyrene	< 0.34 mg/Kg	0.34 mg/Kg	0
Benzo(a)anthracene	< 0.34 mg/Kg	0.34 mg/Kg	0
Chrysene	< 0.34 mg/Kg	0.34 mg/Kg	0
Benzo(b)fluoranthene	< 0.34 mg/Kg	0.34 mg/Kg	0
Benzo(k)fluoranthene	< 0.34 mg/Kg	0.34 mg/Kg	0
Benzo(a)pyrene	< 0.34 mg/Kg	0.34 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 0.34 mg/Kg	0.34 mg/Kg	0
Dibenzo(a,h)anthracene	< 0.34 mg/Kg	0.34 mg/Kg	0
Benzo(g,h,i)perylene	< 0.34 mg/Kg	0.34 mg/Kg	0

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North Carolina Department of Environment and Natural Resources (DENR) Certification # **248**
South Carolina Department of Health and Environmental Control (DHEC) Laboratory Identification # **99005**

Sample ID # : **21032345** Job # : **01-AUG-0707**

Sample Description: **BRAM-14-SW**

Collection Date: **30-Aug-01 09:45:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **09/11/01**

	Result	Reporting Limit	Flag
Benzene	< 460 ug/Kg	460 ug/Kg	0
Toluene	< 460 ug/Kg	460 ug/Kg	0
Ethylbenzene	< 460 ug/Kg	460 ug/Kg	0
m-p-Xylene	< 910 ug/Kg	910 ug/Kg	0
o-Xylene	< 460 ug/Kg	460 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **09/11/01**

	Result	Reporting Limit	Flag
Naphthalene	< 0.30 mg/Kg	0.30 mg/Kg	1
2-Methylnaphthalene	< 0.30 mg/Kg	0.30 mg/Kg	1
Acenaphthylene	< 0.30 mg/Kg	0.30 mg/Kg	1
Acenaphthene	< 0.30 mg/Kg	0.30 mg/Kg	1
Dibenzofuran	< 0.30 mg/Kg	0.30 mg/Kg	1
Fluorene	< 0.30 mg/Kg	0.30 mg/Kg	1
Phenanthrene	< 0.30 mg/Kg	0.30 mg/Kg	1
Anthracene	< 0.30 mg/Kg	0.30 mg/Kg	1
Fluoranthene	< 0.30 mg/Kg	0.30 mg/Kg	1
Pyrene	< 0.30 mg/Kg	0.30 mg/Kg	1
Benzo(a)anthracene	< 0.30 mg/Kg	0.30 mg/Kg	1
Chrysene	< 0.30 mg/Kg	0.30 mg/Kg	1
Benzo(b)fluoranthene	< 0.30 mg/Kg	0.30 mg/Kg	1
Benzo(k)fluoranthene	< 0.30 mg/Kg	0.30 mg/Kg	1
Benzo(a)pyrene	< 0.30 mg/Kg	0.30 mg/Kg	1
Indeno(1,2,3-c,d)pyrene	< 0.30 mg/Kg	0.30 mg/Kg	1
Dibenzo(a,h)anthracene	< 0.30 mg/Kg	0.30 mg/Kg	1

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North Carolina Department of Environment and Natural Resources (DENR) Certification # **248**
South Carolina Department of Health and Environmental Control (DHEC) Laboratory Identification # **99005**

Sample ID # : **21032345** Job # : **01-AUG-0707**

Sample Description: **BRAM-14-SW**

Collection Date: **30-Aug-01 09:45:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **09/11/01**

	Result	Reporting Limit	Flag
Benzo(g,h,i)perylene	< 0.30 mg/Kg	0.30 mg/Kg	1

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration, *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration.
7 - Reported concentration is the combination of more that one aroclor (Reported Aroclor is the Aroclor of highest concentration in the sample)

Troy Whisnant 9/13/01
Data Reported By, Date

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Form 89962 (9-97)
Previously Form 35226

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LAB USE[8]

LIMS # 01-SEP-0208			Sample Class MGP
Logged By (Ini.)	Time	Date	Vendored Samples
VHB	0740	9/12/01	

Vendor	Analysis

Vendor	P.O. #

Container Type: (✓) Glass ( ) Plastic[13]

Preservative Added[14]

HNO_3														
H_2SO_4														
Ice	✓	✓												
Other														
None														

CLIENT[2]: Tom Hunsucker Report to/Ph.[4]: Tom Hunsucker
Project Name[3]: BRAMLETTE MGP Mail Code: MG03A3
FMIS # Business Unit[4]: _____ Resp. Center To: 0597
Project ID[5]: MGPBRAM
Activity ID[6]: ALLACTV
Process[7]: _____

Sample #[9]	Lab PROFS #[10]	Sample Description or ID[11]	Collection Information[12] Date	Time	Signature	GRAB[16]	COMP[17]	Analysis Required[15] 8260-mgp	8270-mgp	TOTAL # OF CONTAINERS[18]
01333780		BRAM-19-B	9/6/01	1405	Tom Hunsucker	✓		1	1	2
01333781		BRAM-21-SW	9/10/01	1455		✓		1	1	2

Relinquished by:[19]	Date/Time	Accepted By:	Date/Time
Tom Hunsucker	9/12/01 @ 0710	Vickie Bowers	9/12/01 0720
Relinquished by:	Date/Time	Accepted By:	Date/Time
Seal/Locked by[20]	Date/Time	Seal/Lock Opened By:	Date/Time

Turnaround Requested[21]
☑ Routine (2 weeks)
☐ Rush (1 week)
☐ Emergency Rush (24-48 Hrs.)*
Date Results Requested: _____
*Additional Charges Will Apply

Sample Matrix[22] NC ☐ SC ☑
Ground Water ☐ NPDES ☐
Drinking Water ☐ UST ☐
RCRA Waste ☐ Other ☑

TEMP:[23] 2.2 °C

Comments:[24] ELECTRONIC DATA TRANSFER

Original – AL Files[25] Copy 1– AL Files Copy 2 – Client Copy

See Instructions on the back of this form.

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8270 / 625 Case Narrative

(This document must accompany release of analytical results)

LIMS Job Number **01-SEP-0208**

- *The percent recovery and/or the average percent recovery for naphthalene in the Matrix Spike and Matrix Spike Duplicate did not meet the laboratory control limits. The results for these analytes should be considered estimates for sample 21033777.*
- *All compounds flagged with a 2 have concentrations outside of the linear calibration range. Results for these compounds should be considered as estimates.*

Shannon Rollins

Analyst

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Group Environment, Health and Safety
Phone: 704-875-5209
Fax: 704-875-5038

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North Carolina Department of Environment and Natural Resources (DENR) Certification # **248**
South Carolina Department of Health and Environmental Control (DHEC) Laboratory Identification # **99005**

Sample ID # : **21033780** Job # : **01-SEP-0208**

Sample Description: **BRAM-19-B**

Collection Date: **6-Sep-01 14:05:00** Site : **BRAMLETT ST** Sample Type: **SOIL** Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **09/19/01**

	Result	Reporting Limit	Flag
Benzene	< 540 ug/Kg	540 ug/Kg	0
Toluene	< 540 ug/Kg	540 ug/Kg	0
Ethylbenzene	< 540 ug/Kg	540 ug/Kg	0
m-p-Xylene	< 1100 ug/Kg	1100 ug/Kg	0
o-Xylene	< 540 ug/Kg	540 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **09/18/01**

	Result	Reporting Limit	Flag
Naphthalene	< 1.2 mg/Kg	1.2 mg/Kg	1
2-Methylnaphthalene	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthylene	4.8 mg/Kg	1.2 mg/Kg	0
Acenaphthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Dibenzofuran	< 1.2 mg/Kg	1.2 mg/Kg	0
Fluorene	< 1.2 mg/Kg	1.2 mg/Kg	0
Phenanthrene	13 mg/Kg	1.2 mg/Kg	0
Anthracene	3.4 mg/Kg	1.2 mg/Kg	0
Fluoranthene	23 mg/Kg	2.3 mg/Kg	0
Pyrene	29 mg/Kg	2.3 mg/Kg	0
Benzo(a)anthracene	14 mg/Kg	1.2 mg/Kg	0
Chrysene	16 mg/Kg	2.3 mg/Kg	0
Benzo(b)fluoranthene	18 mg/Kg	2.3 mg/Kg	0
Benzo(k)fluoranthene	19 mg/Kg	2.3 mg/Kg	0
Benzo(a)pyrene	10 mg/Kg	1.2 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	9.4 mg/Kg	1.2 mg/Kg	0
Dibenzo(a,h)anthracene	3.6 mg/Kg	1.2 mg/Kg	0
Benzo(g,h,i)perylene	9.8 mg/Kg	1.2 mg/Kg	0

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North Carolina Department of Environment and Natural Resources (DENR) Certification # **248**
South Carolina Department of Health and Environmental Control (DHEC) Laboratory Identification # **99005**

Sample ID # : **21033781** Job # : **01-SEP-0208**

Sample Description: **BRAM-21-SW**

Collection Date: **10-Sep-01 14:55:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **09/19/01**

	Result	Reporting Limit	Flag
Benzene	< 450 ug/Kg	450 ug/Kg	0
Toluene	< 450 ug/Kg	450 ug/Kg	0
Ethylbenzene	< 450 ug/Kg	450 ug/Kg	0
m-p-Xylene	< 910 ug/Kg	910 ug/Kg	0
o-Xylene	< 450 ug/Kg	450 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **09/18/01**

	Result	Reporting Limit	Flag
Naphthalene	< 0.34 mg/Kg	0.34 mg/Kg	1
2-Methylnaphthalene	< 0.34 mg/Kg	0.34 mg/Kg	0
Acenaphthylene	< 0.34 mg/Kg	0.34 mg/Kg	0
Acenaphthene	0.36 mg/Kg	0.34 mg/Kg	0
Dibenzofuran	< 0.34 mg/Kg	0.34 mg/Kg	0
Fluorene	0.39 mg/Kg	0.34 mg/Kg	0
Phenanthrene	5.6 mg/Kg	0.67 mg/Kg	0
Anthracene	1.1 mg/Kg	0.34 mg/Kg	0
Fluoranthene	9.8 mg/Kg	0.67 mg/Kg	2
Pyrene	9.2 mg/Kg	0.67 mg/Kg	2
Benzo(a)anthracene	4.9 mg/Kg	0.67 mg/Kg	0
Chrysene	3.9 mg/Kg	0.34 mg/Kg	0
Benzo(b)fluoranthene	4.3 mg/Kg	0.67 mg/Kg	0
Benzo(k)fluoranthene	3.2 mg/Kg	0.34 mg/Kg	0
Benzo(a)pyrene	3.7 mg/Kg	0.34 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	2.1 mg/Kg	0.34 mg/Kg	0
Dibenzo(a,h)anthracene	0.97 mg/Kg	0.34 mg/Kg	0

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North Carolina Department of Environment and Natural Resources (DENR) Certification # **248**
South Carolina Department of Health and Environmental Control (DHEC) Laboratory Identification # **99005**

Sample ID # : **21033781** Job # : **01-SEP-0208**

Sample Description: **BRAM-21-SW**

Collection Date: **10-Sep-01 14:55:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **09/18/01**

	Result	Reporting Limit	Flag
Benzo(g,h,i)perylene	2.2 mg/Kg	0.34 mg/Kg	0

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration, *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration
7 - Reported concentration is the combination of more that one aroclor (Reported Aroclor is the Aroclor of highest concentration in the sample)

Troy Whisenant 9/25/01
Data Reported By, Date

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Form 89962 (9-97)
Previously Form 35226

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LAB USE[8]

LIMS # 01-OCT-0215			Sample Class MGP
Logged By (Ini.) TW	Time 0810	Date 10/10/01	Vendored Samples

Vendor	Analysis

Vendor	P.O. #

Container Type: (✓)Glass ( )Plastic[13]

CLIENT[2]: Tim Hunsucker Report to/Ph.[4]: Tim Hunsucker
Project Name[3]: Bramlette MGP Mail Code: MG03A3
Business Unit[4]: _____ Resp. Center To: 0897
Project ID[5]: MGP BRAM
Activity ID[6]: ALL ACTV
Process[7]: _____

Sample #[9]	Lab PROFS #[10]	Sample Description or ID[11]	Collection Information[12] Date	Time	Signature	GRAB[16]	COMP[17]	Analysis Required[15] Full 8260	Full 8270	TCLP + Leachate - Metals	8260-MGP	8270-MGP	TOTAL # OF CONTAINERS[18]
2103													
1727		BRAM-MRBF-100801	10/8/01	1435	Tim Hunsucker			1	1	1			3
1728		BRAM-33-B	10/9/01	1440	Tim Hunsucker						1	1	

Preservative Added[14]: HNO_3, H_2SO_4, Ice (✓ ✓ ✓ ✓ ✓), Other, None

Relinquished by:[19]	Date/Time	Accepted By:	Date/Time
Tim Hunsucker	10/10/01 @ 0710	Troy Whisenant	10/10/01 @ 8:00
Relinquished by:	Date/Time	Accepted By:	Date/Time
Seal/Locked by[20]	Date/Time	Seal/Lock Opened By:	Date/Time

Turnaround Requested[21]
- ☐ Routine (2 weeks)
- ☑ Rush (1 week)
- ☐ Emergency Rush (24-48 Hrs.)*

Date Results Requested: _____
*Additional Charges Will Apply

Sample Matrix[22] NC ☐ SC ☑
Ground Water ☐ NPDES ☐
Drinking Water ☐ UST ☐
RCRA Waste ☐ Other ☑

TEMP:[23]

Comments:[24]

Original – AL Files[25] Copy 1– AL Files Copy 2 – Client Copy

See Instructions on the back of this form.

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South Carolina Department of Health and Environmental Control (DHEC) Laboratory Identification # 99005

Station Name: **BRAMLETT ST** ENG_ROBERTS Job Number: **01-OCT-0215**

Sample ID # : **21037727** Desktop # Customer ID:

Sample Description: **BRAM-MRBR-100801**

Collection Date: **08-Oct-01 14:35:00** Date Received in Laboratory: **10-Oct-01** Type of Sample : SOIL

Reference Method: EPA 200.7/6010B	Data Posted: 10/17/01 13:05:29		
ARSENIC BY ICP (DIGESTED)		ARSENIC	**< 0.100 mg/l**
Reference Method: EPA 200.7/6010B	Data Posted: 10/17/01 13:05:29		
BARIUM BY ICP (DIGESTED)		BARIUM	**0.954 mg/l**
Reference Method: EPA 200.7	Data Posted: 10/17/01 13:05:30		
CADMIUM BY ICP (DIGESTED)		CADMIUM	**< 0.030 mg/l**
Reference Method: EPA 200.7/6010B	Data Posted: 10/17/01 13:05:30		
CHROMIUM BY ICP (DIGESTED)		CHROMIUM	**< 0.040 mg/l**
Reference Method: SW-846 1311	Data Posted: 10/16/01 14:44:34		
LEACH OF SOLIDS FOR 8 RCRA METALS		Extraction Date	**10/16/2001 Extract Dat**
Reference Method: EPA 200.7/6010B	Data Posted: 10/17/01 13:05:30		
LEAD BY ICP (DIGESTED)		LEAD	**< 0.090 mg/l**
Reference Method: EPA 245.1/7470A	Data Posted: 10/17/01 15:31:52		
MERCURY (CVAA) -WATER-		MERCURY	**< 10.00 ug/L**
Reference Method: N/A	Data Posted: 10/10/01 08:14:52		
NOTIFICATION OF RUSH SAMPLES FOR METALS ANALYSIS		Rush Samples Acknowledged	
Reference Method: N/A	Data Posted: 10/10/01 08:14:52		
OTIFICATION OF RUSH SAMPLES FOR ORGANIC ANALYSI		Rush Samples Acknowledged	
Reference Method: EPA 200.7/6010B	Data Posted: 10/17/01 13:05:30		
SELENIUM BY ICP (DIGESTED)		SELENIUM	**0.127 mg/L**
Reference Method: EPA 200.7/6010B	Data Posted: 10/17/01 13:05:29		
SILVER BY ICP (DIGESTED)		SILVER	**< 0.005 mg/l**

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South Carolina Department of Health and Environmental Control (DHEC) Laboratory Identification # **99005**

Station Name: **BRAMLETT ST** ENG_ROBERTS Job Number: **01-OCT-0215**

Sample ID # : **21037728** Desktop # Customer ID:

Sample Description: **BRAM-23-B**

Collection Date: **09-Oct-01 14:40:00** Date Received in Laboratory: **10-Oct-01** Type of Sample : SOIL

Reference Method: N/A Data Posted: 10/22/01 20:05:56

OTIFICATION OF RUSH SAMPLES FOR ORGANIC ANALYSI Rush Samples Acknowledged

Troy Whisenant 10/31/01
Data Verified and Approved By, Date

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South Carolina Department of Health and Environmental Control (DHEC) Laboratory Identification # **99005**

Sample ID # : **21037727** Job # : **01-OCT-0215**

Sample Description: **BRAM-MRBR-100801**

Collection Date: **8-Oct-01 14:35:00** Site : **BRAMLETT ST** Type of Sample : **SOIL**

SVOC IN SOIL BY GC/MS - 8270

Test Code: **MS8270_S** Test Method: **SW-846 8270C** Date Posted: **10/22/01** By: **SLS2560**

	Result	Reporting Limit	Flag
Pyridine	< 0.32 mg/Kg	0.32 mg/Kg	1
n-Nitrosodimethylamine	< 0.32 mg/Kg	0.32 mg/Kg	0
Aniline	< 0.32 mg/Kg	0.32 mg/Kg	1
Phenol	< 0.32 mg/Kg	0.32 mg/Kg	0
bis(2-Chloroethyl)ether	< 0.32 mg/Kg	0.32 mg/Kg	0
2-Chlorophenol	< 0.32 mg/Kg	0.32 mg/Kg	0
1,3-Dichlorobenzene	< 0.32 mg/Kg	0.32 mg/Kg	0
1,4-Dichlorobenzene	< 0.32 mg/Kg	0.32 mg/Kg	0
Benzyl alcohol	< 0.32 mg/Kg	0.32 mg/Kg	0
1,2-Dichlorobenzene	< 0.32 mg/Kg	0.32 mg/Kg	0
2-Methylphenol	< 0.32 mg/Kg	0.32 mg/Kg	0
bis(2-Chloroisopropyl)ether	< 0.32 mg/Kg	0.32 mg/Kg	0
4-Methylphenol	< 0.32 mg/Kg	0.32 mg/Kg	0
Hexachloroethane	< 0.32 mg/Kg	0.32 mg/Kg	1
n-Nitrosodi-n-propylamine	< 0.32 mg/Kg	0.32 mg/Kg	0
Nitrobenzene	< 0.32 mg/Kg	0.32 mg/Kg	0
Isophorone	< 0.32 mg/Kg	0.32 mg/Kg	0
2-Nitrophenol	< 0.32 mg/Kg	0.32 mg/Kg	0
2,4-Dimethylphenol	< 0.32 mg/Kg	0.32 mg/Kg	0
bis(2-Chloroethoxy)methane	< 0.32 mg/Kg	0.32 mg/Kg	0
2,4-Dichlorophenol	< 0.32 mg/Kg	0.32 mg/Kg	0
Benzoic acid	< 0.81 mg/Kg	0.81 mg/Kg	1
1,2,4-Trichlorobenzene	< 0.32 mg/Kg	0.32 mg/Kg	0
Naphthalene	< 0.32 mg/Kg	0.32 mg/Kg	0
4-Chloroaniline	< 0.32 mg/Kg	0.32 mg/Kg	1
Hexachlorobutadiene	< 0.32 mg/Kg	0.32 mg/Kg	0
4-Chloro-3-methylphenol	< 0.32 mg/Kg	0.32 mg/Kg	0
2-Methylnaphthalene	< 0.32 mg/Kg	0.32 mg/Kg	0
Hexachlorocyclopentadiene	< 0.81 mg/Kg	0.81 mg/Kg	1
2,4,6-Trichlorophenol	< 0.32 mg/Kg	0.32 mg/Kg	0
2,4,5-Trichlorophenol	< 0.32 mg/Kg	0.32 mg/Kg	0
2-Chloronaphthalene	< 0.32 mg/Kg	0.32 mg/Kg	0
2-Nitroaniline	< 0.32 mg/Kg	0.32 mg/Kg	0
Dimethylphthalate	< 0.32 mg/Kg	0.32 mg/Kg	0
Acenaphthylene	< 0.32 mg/Kg	0.32 mg/Kg	0
2,6-Dinitrotoluene	< 0.32 mg/Kg	0.32 mg/Kg	0
3-Nitroaniline	< 0.32 mg/Kg	0.32 mg/Kg	0
Acenaphthene	< 0.32 mg/Kg	0.32 mg/Kg	0

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Sample ID # : **21037727** Job # : **01-OCT-0215**

Sample Description: **BRAM-MRBR-100801**

Collection Date: **8-Oct-01 14:35:00** Site : BRAMLETT ST Type of Sample : SOIL

SVOC IN SOIL BY GC/MS - 8270

Test Code: MS8270_S Test Method: SW-846 8270C Date Posted: 10/22/01 By: SLS2560

	Result	Reporting Limit	Flag
2,4-Dinitrophenol	< 0.81 mg/Kg	0.81 mg/Kg	1
4-Nitrophenol	< 0.81 mg/Kg	0.81 mg/Kg	0
Dibenzofuran	< 0.32 mg/Kg	0.32 mg/Kg	0
2,4-Dinitrotoluene	< 0.32 mg/Kg	0.32 mg/Kg	0
Diethylphthalate	< 0.32 mg/Kg	0.32 mg/Kg	0
Fluorene	< 0.32 mg/Kg	0.32 mg/Kg	0
4-Chlorophenylphenylether	< 0.32 mg/Kg	0.32 mg/Kg	0
4-Nitroaniline	< 0.32 mg/Kg	0.32 mg/Kg	0
2-Methyl-4,6-dinitrophenol	< 0.81 mg/Kg	0.81 mg/Kg	1
n-Nitrosodiphenylamine	< 0.32 mg/Kg	0.32 mg/Kg	0
1,2-Diphenylhydrazine	< 0.32 mg/Kg	0.32 mg/Kg	0
4-Bromophenylphenylether	< 0.32 mg/Kg	0.32 mg/Kg	0
Hexachlorobenzene	< 0.32 mg/Kg	0.32 mg/Kg	0
Pentachlorophenol	< 0.81 mg/Kg	0.81 mg/Kg	0
Phenanthrene	< 0.32 mg/Kg	0.32 mg/Kg	0
Anthracene	< 0.32 mg/Kg	0.32 mg/Kg	0
di-n-Butylphthalate	< 0.32 mg/Kg	0.32 mg/Kg	0
Fluoranthene	< 0.32 mg/Kg	0.32 mg/Kg	0
Benzidine	< 2.6 mg/Kg	2.6 mg/Kg	1
Pyrene	< 0.32 mg/Kg	0.32 mg/Kg	0
Butylbenzylphthalate	< 0.32 mg/Kg	0.32 mg/Kg	0
3,3-Dichlorobenzidine	< 0.32 mg/Kg	0.32 mg/Kg	0
Benzo(a)anthracene	< 0.32 mg/Kg	0.32 mg/Kg	0
Chrysene	< 0.32 mg/Kg	0.32 mg/Kg	0
bis(2-Ethylhexyl)phthalate	< 0.32 mg/Kg	0.32 mg/Kg	0
di-n-Octylphthalate	< 0.81 mg/Kg	0.81 mg/Kg	0
Benzo(b)fluoranthene	< 0.32 mg/Kg	0.32 mg/Kg	0
Benzo(k)fluoranthene	< 0.32 mg/Kg	0.32 mg/Kg	0
Benzo(a)pyrene	< 0.32 mg/Kg	0.32 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 0.32 mg/Kg	0.32 mg/Kg	0
Dibenzo(a,h)anthracene	< 0.32 mg/Kg	0.32 mg/Kg	0
Benzo(g,h,i)perylene	< 0.32 mg/Kg	0.32 mg/Kg	0

VOC IN SOIL BY GC/MS - 8260

Test Code: MS8260_S Test Method: SW-846 5030B/8260B Date Posted: 10/16/01 By: MAO125C

	Result	Reporting Limit	Flag
Dichlorodifluoromethane	< 11 ug/Kg	11 ug/Kg	0

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South Carolina Department of Health and Environmental Control (DHEC) Laboratory Identification # 99005

Sample ID # : **21037727** Job # : **01-OCT-0215**

Sample Description: **BRAM-MRBR-100801**

Collection Date: **8-Oct-01 14:35:00** .Site : BRAMLETT ST Type of Sample : SOIL

VOC IN SOIL BY GC/MS - 8260

Test Code: MS8260_S Test Method: SW-846 5030B/8260B Date Posted: 10/16/01 By: MAO125C

	Result	Reporting Limit	Flag
Chloromethane	< 11 ug/Kg	11 ug/Kg	0
Vinyl chloride	< 11 ug/Kg	11 ug/Kg	0
Bromomethane	< 11 ug/Kg	11 ug/Kg	0
Chloroethane	< 11 ug/Kg	11 ug/Kg	0
Trichlorofluoromethane	< 11 ug/Kg	11 ug/Kg	0
Acrolein	< 110 ug/Kg	110 ug/Kg	0
1,1-Dichloroethene	< 11 ug/Kg	11 ug/Kg	0
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 11 ug/Kg	11 ug/Kg	0
Acetone	< 11 ug/Kg	11 ug/Kg	0
Methyl Iodide	< 11 ug/Kg	11 ug/Kg	0
Carbon disulfide	< 11 ug/Kg	11 ug/Kg	0
Methylene chloride	< 11 ug/Kg	11 ug/Kg	0
Acrylonitrile	< 110 ug/Kg	110 ug/Kg	0
MTBE	< 11 ug/Kg	11 ug/Kg	0
trans-1,2-Dichloroethene	< 11 ug/Kg	11 ug/Kg	0
Isopropyl ether	< 11 ug/Kg	11 ug/Kg	0
1,1-Dichloroethane	< 11 ug/Kg	11 ug/Kg	0
Vinyl acetate	< 11 ug/Kg	11 ug/Kg	0
2,2-Dichloropropane	< 11 ug/Kg	11 ug/Kg	0
cis-1,2-Dichloroethene	< 11 ug/Kg	11 ug/Kg	0
2-Butanone	< 11 ug/Kg	11 ug/Kg	0
Chloroform	< 11 ug/Kg	11 ug/Kg	0
1,1-Dichloropropene	< 11 ug/Kg	11 ug/Kg	0
1,1,1-Trichloroethane	< 11 ug/Kg	11 ug/Kg	0
Carbon tetrachloride	< 11 ug/Kg	11 ug/Kg	0
Bromochloromethane	< 11 ug/Kg	11 ug/Kg	0
Benzene	< 11 ug/Kg	11 ug/Kg	0
1,2-Dichloroethane	< 11 ug/Kg	11 ug/Kg	0
Trichloroethene	< 11 ug/Kg	11 ug/Kg	0
1,2-Dichloropropane	< 11 ug/Kg	11 ug/Kg	0
Dibromomethane	< 11 ug/Kg	11 ug/Kg	0
Bromodichloromethane	< 11 ug/Kg	11 ug/Kg	0
2-Chloroethyl vinyl ether	< 11 ug/Kg	11 ug/Kg	1
cis-1,3-Dichloropropene	< 11 ug/Kg	11 ug/Kg	0
4-Methyl-2-pentanone (MIBK)	< 11 ug/Kg	11 ug/Kg	0
Toluene	< 11 ug/Kg	11 ug/Kg	0
trans-1,3-Dichloropropene	< 11 ug/Kg	11 ug/Kg	0
1,1,2-Trichloroethane	< 11 ug/Kg	11 ug/Kg	0

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South Carolina Department of Health and Environmental Control (DHEC) Laboratory Identification # 99005

Sample ID # : **21037727** Job # : **01-OCT-0215**

Sample Description: **BRAM-MRBR-100801**

Collection Date: **8-Oct-01 14:35:00** Site : **BRAMLETT ST** Type of Sample : **SOIL**

VOC IN SOIL BY GC/MS - 8260

Test Code: MS8260_S Test Method: SW-846 5030B/8260B Date Posted: 10/16/01 By: MAO125C

	Result	Reporting Limit	Flag
1,3-Dichloropropane	< 11 ug/Kg	11 ug/Kg	0
Tetrachloroethene	< 11 ug/Kg	11 ug/Kg	0
2-Hexanone	< 11 ug/Kg	11 ug/Kg	0
Dibromochloromethane	< 11 ug/Kg	11 ug/Kg	0
1,2-Dibromoethane (EDB)	< 11 ug/Kg	11 ug/Kg	0
Chlorobenzene	< 11 ug/Kg	11 ug/Kg	0
Isopropylbenzene	< 11 ug/Kg	11 ug/Kg	0
1,1,1,2-tetrachloroethane	< 11 ug/Kg	11 ug/Kg	0
Ethylbenzene	< 11 ug/Kg	11 ug/Kg	0
m-p-Xylene	< 22 ug/Kg	22 ug/Kg	0
o-Xylene	< 11 ug/Kg	11 ug/Kg	0
Styrene	< 11 ug/Kg	11 ug/Kg	0
Bromoform	< 11 ug/Kg	11 ug/Kg	0
1,4-Dichlorobutane	< 11 ug/Kg	11 ug/Kg	0
1,1,2,2-Tetrachloroethane	< 11 ug/Kg	11 ug/Kg	1
1,2,3-Trichloropropane	< 11 ug/Kg	11 ug/Kg	0
n-Propyl benzene	< 11 ug/Kg	11 ug/Kg	0
Bromobenzene	< 11 ug/Kg	11 ug/Kg	0
1,3,5-trimethylbenzene	< 11 ug/Kg	11 ug/Kg	0
2-Chlorotoluene	< 11 ug/Kg	11 ug/Kg	0
4-Chlorotoluene	< 11 ug/Kg	11 ug/Kg	0
t-Butylbenzene	< 11 ug/Kg	11 ug/Kg	0
1,2,4-Trimethylbenzene	< 11 ug/Kg	11 ug/Kg	0
sec-Butylbenzene	< 11 ug/Kg	11 ug/Kg	0
p-Isopropyltoluene	< 11 ug/Kg	11 ug/Kg	0
1,3-Dichlorobenzene	< 11 ug/Kg	11 ug/Kg	0
1,4-Dichlorobenzene	< 11 ug/Kg	11 ug/Kg	0
n-Butylbenzene	< 11 ug/Kg	11 ug/Kg	0
1,2-Dichlorobenzene	< 11 ug/Kg	11 ug/Kg	0
1,2-Dibromo-3-chloropropane	< 11 ug/Kg	11 ug/Kg	1
1,2,4-Trichlorobenzene	< 11 ug/Kg	11 ug/Kg	0
Hexachlorobutadiene	< 11 ug/Kg	11 ug/Kg	1
Naphthalene	< 11 ug/Kg	11 ug/Kg	0

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North Carolina Department of Health & Human Services Certification # 37804
North Carolina Department of Environment and Natural Resources (DENR) Certification # 248
South Carolina Department of Health and Environmental Control (DHEC) Laboratory Identification # 99005

Sample ID # : **21037727** Job # : **01-OCT-0215**

Sample Description: **BRAM-MRBR-100801**

Collection Date: **8-Oct-01 14:35:00** Site : BRAMLETT ST Type of Sample : SOIL

VOC IN SOIL BY GC/MS - 8260

Test Code: MS8260_S Test Method: SW-846 5030B/8260B Date Posted: 10/16/01 By: MAO125C

	Result	Reporting Limit	Flag
1,2,3-Trichlorobenzene	< 11 ug/Kg	11 ug/Kg	0

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration, *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration.
7 - Reported concentration is the combination of more that one aroclor. (Reported Aroclor is the Aroclor of highest concentration in the sample)

Data Reported By, Date

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South Carolina Department of Health and Environmental Control (DHEC) Laboratory Identification # 99005

Sample ID # : **21037728** Job # : **01-OCT-0215**

Sample Description: **BRAM-23-B**

Collection Date: **9-Oct-01 14:40:00** Site : **BRAMLETT ST** Type of Sample : **SOIL**

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **10/16/01** By: **MAO125C**

	Result	Reporting Limit	Flag
Benzene	27000 ug/Kg	850 ug/Kg	0
Toluene	42000 ug/Kg	850 ug/Kg	0
Ethylbenzene	2700 ug/Kg	850 ug/Kg	0
m-p-Xylene	43000 ug/Kg	1700 ug/Kg	0
o-Xylene	16000 ug/Kg	850 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **10/22/01** By: **SLS2560**

	Result	Reporting Limit	Flag
Naphthalene	590 mg/Kg	59 mg/Kg	0
2-Methylnaphthalene	120 mg/Kg	59 mg/Kg	0
Acenaphthylene	63 mg/Kg	5.9 mg/Kg	0
Acenaphthene	14 mg/Kg	5.9 mg/Kg	0
Dibenzofuran	76 mg/Kg	59 mg/Kg	0
Fluorene	85 mg/Kg	59 mg/Kg	0
Phenanthrene	340 mg/Kg	59 mg/Kg	0
Anthracene	85 mg/Kg	59 mg/Kg	0
Fluoranthene	210 mg/Kg	59 mg/Kg	0
Pyrene	220 mg/Kg	59 mg/Kg	0
Benzo(a)anthracene	79 mg/Kg	59 mg/Kg	0
Chrysene	72 mg/Kg	59 mg/Kg	0
Benzo(b)fluoranthene	51 mg/Kg	5.9 mg/Kg	0
Benzo(k)fluoranthene	58 mg/Kg	5.9 mg/Kg	0
Benzo(a)pyrene	65 mg/Kg	59 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	27 mg/Kg	5.9 mg/Kg	0
Dibenzo(a,h)anthracene	11 mg/Kg	5.9 mg/Kg	0

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North Carolina Department of Environment and Natural Resources (DENR) Certification # **248**
South Carolina Department of Health and Environmental Control (DHEC) Laboratory Identification # **99005**

Sample ID # : **21037728** Job # : **01-OCT-0215**

Sample Description: **BRAM-23-B**

Collection Date: **9-Oct-01 14:40:00** Site : BRAMLETT ST Type of Sample : SOIL

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: MS8270MGPS Test Method: SW-846 8270C Date Posted: 10/22/01 By: SLS2560

	Result	Reporting Limit	Flag
Benzo(g,h,i)perylene	27 mg/Kg	5.9 mg/Kg	0

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration, *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration.
7 - Reported concentration is the combination of more that one aroclor. (Reported Aroclor is the Aroclor of highest concentration in the sample)

Troy Whisenant 10/23/01
Data Reported By, Date

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8270 / 625 Case Narrative

(This document must accompany release of analytical results)

LIMS Job Number **01-OCT-0215**

- *The following compounds often exhibit recoveries lower than 50%: pyridine, aniline, hexachloroethane, benzoic acid, 4-chloroaniline, hexachlorocyclopentadiene, 2,4-dinitrophenol, 2-methyl-4,6-dinitrophenol and benzidine. Because of the potential for low recovery for these compounds, all results for these compounds should be considered as estimates.*

- *Any and all results for benzidine should be considered as estimates. This compound is difficult to accurately quantify by this methodology. This compound often fails calibration criteria, spike recovery criteria and method detection limit criteria.*

Shannon Rollins

Analyst

1015_06	FIELD ID:: BRAMLETT-MRBR-100801	LAB ID:: 01-OCT-0215/21037727

Tentatively Identified Compounds Report

Compound		Estimated Concentration (mg/Kg)	Library Match Probability (%)	Retention Time (RT) (Minutes)	Identification Basis: Library Match	Identification Basis: Manual Interpretation	
2,5-DIMETHYL-FURAN		0.8	91%	4.65	X		

Internal Standard	(Minutes)
1,4-Dichlorobenzene-D4	10.06
Naphthalene-D8	13.01
Acenaphthene-D10	17.35
Phenanthrene-D10	20.99
Chrysene-D12	27.65
Perylene-D12	33.07

Acid Surrogates	% Recovery
2-Fluorophenol	65.0%
Phenol	66.0%
2,4,6-Tribromophenol	77.0%

B/N Surrogates	% Recovery
Nitrobenzene-D5	66.0%
2-Fluorobiphenyl	65.0%
Terphenyl-D14	102.0%

USEPA--8270/625 G.C. Conditions

30 m x 0.25mm x 0.50um Ultra Two Crosslinked 5% Methyl Silicon Column

(Flags are described on page #2 of Client Report)

October 16, 2001
01:28 PM

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8260 Case Narrative

(This document must accompany release of analytical results)

LIMS Job Number **01-OCT-0215**

- The percent recovery in the Laboratory Control Sample for 2-Chloroethyl vinyl ether was outside the laboratory quality control limits.

- The percent recovery and/or the relative percent difference for the Matrix Spike and Matrix Spike Duplicate samples for 1,1,2,2 tetrachloroethane, 1,2 dibromo 3 chloropropane, hexachlorobutadiene, and 2-chloroethyl vinyl ether, exceeded the laboratory quality control limits. The results for these compounds in Bramlett MRBR-100801should be considered estimates.

Analyst:

Mary Ann Ogle

DATA FILE::	11OCT06	FIELD ID::	BRAMLETT MRBR 100801	LAB ID:: -OCT-0215//21037727

Tentatively Identified Compound Report

Compound	Probable Molecular Weight	Estimated Concentration (ug/kg)	Library Match Probability (%)	Retention Rime (RT) (Minutes)	Identification			Scan Number
					Library Match	Manual Interpretation	RT	
no TICs								

Internal Standard	RT
Pentafluorobenzene	18.37
D4-1,4-Difluorobenzene	21.89
Chlorobenzene D-5	32.51
D-4 1,4-Dichlorobenzene	41.09

Surrogates	% Recovery
Dibromofluoromethan	105%
Toluene D-8	99%
1,4-Bromofluorobenze	101%

USEPA - 8260 G.C. Conditions

105 m x 0.53 mm x 1.0 um / Restek 502.2
He, 0.5 ml/min, 35 C hold 10 mins, 35 C to 180 C @ 4 C/min, 180 to 200 C @ 10 C/min, hold 5 min

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Form 89962 (9-97)
Previously Form 35226

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LAB USE[8]

LIMS # 01-OCT-0265 | Sample Class: SOIL

Logged By (Ini.): VBB | Time: 0755 | Date: 10/12/01

Vendored Samples

Vendor	Analysis
Vendor	**P.O. #**

Container Type: (✓)Glass ( )Plastic[13]

CLIENT[2]: Tim Hunsucker Report to/Ph.[4]: Tim Hunsucker
Project Name[3]: Bramlette MGP Mail Code: MG03A3

FMIS #
Business Unit[4]: ______ Resp. Center To: ______
Project ID[5]: MGPBRAM
Activity ID[6]: ALLACTV
Process[7]: ______

Preservative Added[14]		
HNO_3		
H_2SO_4		
Ice	✓	✓
Other		
None		
Analysis Required[15]	8260 mgp	8270 mgp

Sample #[9]	Lab PROFS #[10]	Sample Description or ID[11]	Collection Information[12] Date	Time	Signature	GRAB[16]	COMP[17]	8260 mgp	8270 mgp	TOTAL # OF CONTAINERS[18]
21038009		BRAM-24B	10/10/01	1420	Kenny Cabel			1	1	2

Relinquished by:[19]	Date/Time	Accepted By:	Date/Time
Tim Hunsucker	10/11/01 @1730	Vickie Bowen	10/11/01 0720
Relinquished by:	Date/Time	Accepted By:	Date/Time
Seal/Locked by[20]	Date/Time	Seal/Lock Opened By:	Date/Time

Turnaround Requested[21]
- ☐ Routine (2 weeks)
- ☐ Rush (1 week)
- ☐ Emergency Rush (24-48 Hrs.)*

Date Results Requested: ______
*Additional Charges Will Apply

Sample Matrix[22] NC ☐ SC ☑
Ground Water ☐ NPDES ☐
Drinking Water ☐ UST ☐
RCRA Waste ☐ Other ☑

TEMP:[23]

Comments:[24]

See Instructions on the back of this form.

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North Carolina Department of Environment and Natural Resources (DENR) Certification # 248
South Carolina Department of Health and Environmental Control (DHEC) Laboratory Identification # 99005

Sample ID # : **21038009** Job # : **01-OCT-0265**

Sample Description: **BRAM-24B**

Collection Date: **10-Oct-01 14:20:00** Site : BRAMLETT ST Type of Sample : SOIL

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **10/16/01** By: **MAO125C**

	Result	Reporting Limit	Flag
Benzene	< 550 ug/Kg	550 ug/Kg	0
Toluene	< 550 ug/Kg	550 ug/Kg	0
Ethylbenzene	< 550 ug/Kg	550 ug/Kg	0
m-p-Xylene	< 1100 ug/Kg	1100 ug/Kg	0
o-Xylene	< 550 ug/Kg	550 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **10/22/01** By: **SLS2560**

	Result	Reporting Limit	Flag
Naphthalene	50 mg/Kg	6.7 mg/Kg	1
2-Methylnaphthalene	13 mg/Kg	6.7 mg/Kg	1
Acenaphthylene	1.1 mg/Kg	0.33 mg/Kg	1
Acenaphthene	1.0 mg/Kg	0.33 mg/Kg	1
Dibenzofuran	2.2 mg/Kg	0.33 mg/Kg	1
Fluorene	3.4 mg/Kg	0.33 mg/Kg	1
Phenanthrene	9.3 mg/Kg	6.7 mg/Kg	1
Anthracene	2.5 mg/Kg	0.33 mg/Kg	1
Fluoranthene	4.5 mg/Kg	3.3 mg/Kg	1
Pyrene	5.8 mg/Kg	3.3 mg/Kg	1
Benzo(a)anthracene	2.0 mg/Kg	0.33 mg/Kg	1
Chrysene	1.6 mg/Kg	0.33 mg/Kg	1
Benzo(b)fluoranthene	1.1 mg/Kg	0.33 mg/Kg	1
Benzo(k)fluoranthene	1.3 mg/Kg	0.33 mg/Kg	1
Benzo(a)pyrene	1.6 mg/Kg	0.33 mg/Kg	1
Indeno(1,2,3-c,d)pyrene	0.63 mg/Kg	0.33 mg/Kg	1
Dibenzo(a,h)anthracene	< 0.33 mg/Kg	0.33 mg/Kg	1

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North Caroline Department of Environment and Natural Resources (DENR) Certification # **248**
South Caroline Department of Health and Environmental Control (DHEC) Laboratory Identification # **99005**

Sample ID # : **21038009** Job # : **01-OCT-0265**

Sample Description: **BRAM-24B**

Collection Date: **10-Oct-01 14:20:00** Site : BRAMLETT ST Type of Sample : SOIL

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **10/22/01** By: **SLS2560**

	Result	Reporting Limit	Flag
Benzo(g,h,i)perylene	0.65 mg/Kg	0.33 mg/Kg	1

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration, *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration.
7 - Reported concentration is the combination of more that one aroclor. (Reported Aroclor is the Aroclor of highest concentration in the sample)

Troy Whisenant 10/23,
Data Reported By, Date

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8270 / 625 Case Narrative

(This document must accompany release of analytical results)

LIMS Job Number **01-OCT-0265**

- *The Matrix Spike and Matrix Spike Duplicate were not analyzed due to matrix interference in the sample. The Laboratory Control Sample and Laboratory Blank met all QC requirements.*

Shannon Rollins

Analyst

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Form 89962 (9-97)
Previously Form 35226

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LAB USE[8]

LIMS # 01-DEC-0131			Sample Class MGP
Logged By (Ini.) TW	Time 1520	Date 12/6/01	Vendored Samples

Vendor	Analysis

Vendor	P.O. #

CLIENT[2]: Tim Hunsucker Report to/Ph.: Tim Hunsucker
Project Name[3]: BRAMLETTE MGP Mail Code: MG03A3
FMIS #
Business Unit[4]: _____ Resp. Center To: _____
Project ID[5]: MGPBRAM
Activity ID[6]: ALL ACTV
Process[7]: _____

Container Type: (✓)Glass ( )Plastic[13]

Preservative Added[14]														
HNO_3														
H_2SO_4														
Ice	✓	✓												
Other														
None														

Sample #[9]	Lab PROFS #[10]	Sample Description or ID[11]	Collection Information[12] Date	Time	Signature	GRAB[16]	COMP[17]	Analysis Required[15]: 8260-MGP	8270-MGP	TOTAL # OF CONTAINERS[18]
2104										
4502		BRAM-25-SW	12/5/01	1045	T.L. Hunsucker	✓		1	1	2
4503		BRAM-28-B	12/5/01	1120	T.L. Hunsucker	✓		1	1	2

Relinquished By:[19]	Date/Time	Accepted By:	Date/Time
Tim Hunsucker	12/6/01 @ 1440	Erin B. Calder	12/6/01 1440
Relinquished by:	Date/Time	Accepted By:	Date/Time
Seal/Locked by[20]	Date/Time	Seal/Lock Opened By:	Date/Time

Turnaround Requested[21]
- ☑ Routine (2 weeks)
- ☐ Rush (1 week)
- ☐ Emergency Rush (24-48 Hrs.)*

Date Results Requested: _____
*Additional Charges Will Apply

Sample Matrix[22] NC ☐ SC ☑
Ground Water ☐ NPDES ☐
Drinking Water ☐ UST ☐
RCRA Waste ☐ Other ☑

TEMP:[23]

Comments:[24]

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South Carolina Department of Health and Environmental Control (DHEC) Laboratory Identification # **99005**

Sample ID # : **21044502** Job # : **01-DEC-0131**

Sample Description: **BRAM-25-SW**

Collection Date: **5-Dec-01 10:45:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **12/17/01**

	Result	Reporting Limit	Flag
Benzene	< 510 ug/Kg	510 ug/Kg	0
Toluene	< 510 ug/Kg	510 ug/Kg	0
Ethylbenzene	< 510 ug/Kg	510 ug/Kg	0
m-p-Xylene	< 1000 ug/Kg	1000 ug/Kg	0
o-Xylene	< 510 ug/Kg	510 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **12/20/01**

	Result	Reporting Limit	Flag
Naphthalene	< 0.34 mg/Kg	0.34 mg/Kg	0
2-Methylnaphthalene	< 0.34 mg/Kg	0.34 mg/Kg	0
Acenaphthylene	< 0.34 mg/Kg	0.34 mg/Kg	0
Acenaphthene	< 0.34 mg/Kg	0.34 mg/Kg	0
Dibenzofuran	< 0.34 mg/Kg	0.34 mg/Kg	0
Fluorene	< 0.34 mg/Kg	0.34 mg/Kg	0
Phenanthrene	< 0.34 mg/Kg	0.34 mg/Kg	0
Anthracene	< 0.34 mg/Kg	0.34 mg/Kg	0
Fluoranthene	< 0.34 mg/Kg	0.34 mg/Kg	0
Pyrene	< 0.34 mg/Kg	0.34 mg/Kg	0
Benzo(a)anthracene	< 0.34 mg/Kg	0.34 mg/Kg	0
Chrysene	< 0.34 mg/Kg	0.34 mg/Kg	0
Benzo(b)fluoranthene	< 0.34 mg/Kg	0.34 mg/Kg	0
Benzo(k)fluoranthene	< 0.34 mg/Kg	0.34 mg/Kg	0
Benzo(a)pyrene	< 0.34 mg/Kg	0.34 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 0.34 mg/Kg	0.34 mg/Kg	0
Dibenzo(a,h)anthracene	< 0.34 mg/Kg	0.34 mg/Kg	0
Benzo(g,h,i)perylene	< 0.34 mg/Kg	0.34 mg/Kg	0

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South Carolina Department of Health and Environmental Control (DHEC) Laboratory Identification # **99005**

Sample ID # : **21044503** Job # : **01-DEC-0131**

Sample Description: **BRAM-28-B**

Collection Date: **5-Dec-01 11:20:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **12/17/01**

	Result	Reporting Limit	Flag
Benzene	< 690 ug/Kg	690 ug/Kg	0
Toluene	< 690 ug/Kg	690 ug/Kg	0
Ethylbenzene	< 690 ug/Kg	690 ug/Kg	0
m-p-Xylene	< 1400 ug/Kg	1400 ug/Kg	0
o-Xylene	< 690 ug/Kg	690 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **12/20/01**

	Result	Reporting Limit	Flag
Naphthalene	< 0.39 mg/Kg	0.39 mg/Kg	0
2-Methylnaphthalene	< 0.39 mg/Kg	0.39 mg/Kg	0
Acenaphthylene	< 0.39 mg/Kg	0.39 mg/Kg	0
Acenaphthene	< 0.39 mg/Kg	0.39 mg/Kg	0
Dibenzofuran	< 0.39 mg/Kg	0.39 mg/Kg	0
Fluorene	< 0.39 mg/Kg	0.39 mg/Kg	0
Phenanthrene	< 0.39 mg/Kg	0.39 mg/Kg	0
Anthracene	< 0.39 mg/Kg	0.39 mg/Kg	0
Fluoranthene	< 0.39 mg/Kg	0.39 mg/Kg	0
Pyrene	< 0.39 mg/Kg	0.39 mg/Kg	0
Benzo(a)anthracene	< 0.39 mg/Kg	0.39 mg/Kg	0
Chrysene	< 0.39 mg/Kg	0.39 mg/Kg	0
Benzo(b)fluoranthene	< 0.39 mg/Kg	0.39 mg/Kg	0
Benzo(k)fluoranthene	< 0.39 mg/Kg	0.39 mg/Kg	0
Benzo(a)pyrene	< 0.39 mg/Kg	0.39 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 0.39 mg/Kg	0.39 mg/Kg	0
Dibenzo(a,h)anthracene	< 0.39 mg/Kg	0.39 mg/Kg	0

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South Carolina Department of Health and Environmental Control (DHEC) Laboratory Identification # **99005**

Sample ID # : **21044503** Job # : **01-DEC-0131**

Sample Description: **BRAM-28-B**

Collection Date: **5-Dec-01 11:20:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **12/20/01**

	Result	Reporting Limit	Flag
Benzo(g,h,i)perylene	< 0.39 mg/Kg	0.39 mg/Kg	0

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration, *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration.
7 - Reported concentration is the combination of more that one aroclor (Reported Aroclor is the Aroclor of highest concentration in the sample)

Troy Whisenant 1/11
Data Reported By, Date

Duke Energy

Duke Energy Analytical Laboratory

Environment, Health and Safety Services
Phone: 704-875-5245
Fax: 704-875-5038

13339 Rogers Ferry Road
Huntersville, NC 28078-7929
McGuire Nuclear Complex - MG03A2

Certificate of Analysis

Nevada Department of Conservation and Natural Resources
New York State Department of Health Certification # 11717
Kansas Department of Health and Environment Certificate # E-10311
Louisiana Department of Environmental Quality (LELAP) Certificate # 02012
North Carolina Department of Health & Human Services Certification # 37804
North Carolina Department of Environment and Natural Resources (DENR) Certification # 248
South Carolina Department of Health and Environmental Control (DHEC) Laboratory Identification # 99005

Sample ID # : **21045579** Job # : **01-DEC-0273**

Sample Description: **BRAM-29-SW**

Collection Date: **12-Dec-01 09:20:00** Site : **BRAMLETT ST** Sample Type: **SOIL** Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **12/21/01**

	Result	Reporting Limit	Flag
Benzene	< 590 ug/Kg	590 ug/Kg	0
Toluene	< 590 ug/Kg	590 ug/Kg	0
Ethylbenzene	< 590 ug/Kg	590 ug/Kg	0
m-p-Xylene	< 1200 ug/Kg	1200 ug/Kg	0
o-Xylene	< 590 ug/Kg	590 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **12/20/01**

	Result	Reporting Limit	Flag
Naphthalene	< 0.35 mg/Kg	0.35 mg/Kg	0
2-Methylnaphthalene	< 0.35 mg/Kg	0.35 mg/Kg	0
Acenaphthylene	0.48 mg/Kg	0.35 mg/Kg	0
Acenaphthene	< 0.35 mg/Kg	0.35 mg/Kg	0
Dibenzofuran	< 0.35 mg/Kg	0.35 mg/Kg	0
Fluorene	0.56 mg/Kg	0.35 mg/Kg	0
Phenanthrene	3.8 mg/Kg	0.35 mg/Kg	0
Anthracene	0.75 mg/Kg	0.35 mg/Kg	0
Fluoranthene	4.3 mg/Kg	0.35 mg/Kg	0
Pyrene	3.3 mg/Kg	0.35 mg/Kg	0
Benzo(a)anthracene	1.6 mg/Kg	0.35 mg/Kg	0
Chrysene	1.7 mg/Kg	0.35 mg/Kg	0
Benzo(b)fluoranthene	0.94 mg/Kg	0.35 mg/Kg	0
Benzo(k)fluoranthene	1.2 mg/Kg	0.35 mg/Kg	0
Benzo(a)pyrene	1.3 mg/Kg	0.35 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	0.80 mg/Kg	0.35 mg/Kg	0
Dibenzo(a,h)anthracene	0.40 mg/Kg	0.35 mg/Kg	0
Benzo(g,h,i)perylene	0.77 mg/Kg	0.35 mg/Kg	0

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North Carolina Department of Environment and Natural Resources (DENR) Certification # **248**
South Carolina Department of Health and Environmental Control (DHEC) Laboratory Identification # **99005**

Sample ID # : **21045584** Job # : **01-DEC-0273**

Sample Description: **BRAM-30-B**

Collection Date: **12-Dec-01 11:30:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **12/21/01**

	Result	Reporting Limit	Flag
Benzene	< 550 ug/Kg	550 ug/Kg	0
Toluene	< 550 ug/Kg	550 ug/Kg	0
Ethylbenzene	< 550 ug/Kg	550 ug/Kg	0
m-p-Xylene	< 1100 ug/Kg	1100 ug/Kg	0
o-Xylene	< 550 ug/Kg	550 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **12/20/01**

	Result	Reporting Limit	Flag
Naphthalene	< 0.34 mg/Kg	0.34 mg/Kg	0
2-Methylnaphthalene	< 0.34 mg/Kg	0.34 mg/Kg	0
Acenaphthylene	< 0.34 mg/Kg	0.34 mg/Kg	0
Acenaphthene	< 0.34 mg/Kg	0.34 mg/Kg	0
Dibenzofuran	< 0.34 mg/Kg	0.34 mg/Kg	0
Fluorene	< 0.34 mg/Kg	0.34 mg/Kg	0
Phenanthrene	< 0.34 mg/Kg	0.34 mg/Kg	0
Anthracene	< 0.34 mg/Kg	0.34 mg/Kg	0
Fluoranthene	< 0.34 mg/Kg	0.34 mg/Kg	0
Pyrene	< 0.34 mg/Kg	0.34 mg/Kg	0
Benzo(a)anthracene	< 0.34 mg/Kg	0.34 mg/Kg	0
Chrysene	< 0.34 mg/Kg	0.34 mg/Kg	0
Benzo(b)fluoranthene	< 0.34 mg/Kg	0.34 mg/Kg	0
Benzo(k)fluoranthene	< 0.34 mg/Kg	0.34 mg/Kg	0
Benzo(a)pyrene	< 0.34 mg/Kg	0.34 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 0.34 mg/Kg	0.34 mg/Kg	0
Dibenzo(a,h)anthracene	< 0.34 mg/Kg	0.34 mg/Kg	0

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North Carolina Department of Environment and Natural Resources (DENR) Certification # **248**
South Carolina Department of Health and Environmental Control (DHEC) Laboratory Identification # **99005**

Sample ID # : **21045584** Job # : **01-DEC-0273**

Sample Description: **BRAM-30-B**

Collection Date: **12-Dec-01 11:30:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **12/20/01**

	Result	Reporting Limit	Flag
Benzo(g,h,i)perylene	< 0.34 mg/Kg	0.34 mg/Kg	0

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration, *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration.
7 - Reported concentration is the combination of more that one aroclor (Reported Aroclor is the Aroclor of highest concentration in the sample)

Troy Whisonant 1/11/02
Data Reported By, Date

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Form 89962 (9-97)
Previously Form 35226

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13339 Hagers Ferry Road
Huntersville, NC 28078
Phone: (704) 875-5209/875-5245[1]
Fax: (704) 875-5038

LAB USE[8]

LIMS # 01-DEC-0273			Sample Class MGP
Logged By (Ini.) VBB	Time 1409	Date 12/13/01	Vendored Samples

Vendor	Analysis

Vendor	P.O. #

Container Type: (✓) Glass ( ) Plastic[13]

Preservative Added[14]													
HNO_3													
H_2SO_4													
Ice	✓	✓											
Other													
None													

CLIENT[2]: Tim Hunsucker Report to/Ph.[4]: Tim Hunsucker
Project Name[3]: BRAMLETTE MGP Mail Code: MG03A3

FMIS #
Business Unit[4]: _____ Resp. Center To: 0897
Project ID[5]: MGPBRAM
Activity ID[6]: ALLACTV
Process[7]: _____

Sample #[9]	Lab PROFS #[10]	Sample Description or ID[11]	Collection Information[12] Date	Time	Signature	GRAB[16]	COMP[17]	Analysis Required[15] 8260-mgp	8270-mgp	TOTAL # OF CONTAINERS[18]
21075579		BRAM-29-SW	12/12/01	0920	T.A. Hunsucker	✓		1	1	2
21043584		BRAM-30-B	12/12/01	1130	T.A. Hunsucker	✓		1	1	2

Relinquished by:[19]	Date/Time	Accepted By:	Date/Time
[signature]	12/13/01 @ 1350	Vicki Bowers	12/13/01 1350
Relinquished by:	Date/Time	Accepted By:	Date/Time
Seal/Locked by[20]	Date/Time	Seal/Lock Opened By:	Date/Time

Turnaround Requested[21]
☑ Routine (2 weeks)
☐ Rush (1 week)
☐ Emergency Rush (24-48 Hrs.)*
Date Results Requested: _____
*Additional Charges Will Apply

Sample Matrix[22] NC ☐ SC ☑
Ground Water ☐ NPDES ☐
Drinking Water ☐ UST ☐
RCRA Waste ☐ Other ☑

TEMP:[23]

Comments:[24] * SAMPLES COLLECTED BY KENNY CABEL T.A.H.

Original – AL Files[25] **Copy 1– AL Files** **Copy 2 – Client Copy**

See Instructions on the back of this form.

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Form 89962 (9-97)
Previously Form 35226

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13339 Hagers Ferry Road
Huntersville, NC 28078
Phone: (704) 875-5209/875-5245[1]
Fax: (704) 875-5038

LAB USE[8]

LIMS # 02-FEB-0576		Sample Class MGP
Logged By (Ini.) EBC	Time 840	Date 2/28/02

Vendored Samples

Vendor	Analysis

Vendor	P.O. #

CLIENT[2]: Tim Hunsucker Report to/Ph.[4]: Tim Hunsucker
Project Name[3]: BRAMLETTE MGP Mail Code: MG03A3

FMIS #
Business Unit[4]: _____ Resp. Center To: 0193
Project ID[5]: MGPBRAM
Activity ID[6]: ALLACTV
Process[7]: _____

Container Type: ( )Glass ( )Plastic[13]

Preservative Added[14]													
HNO_3													
H_2SO_4													
Ice	✓	✓											
Other													
None													

¡Sample #[9]	Lab PROFS #[10]	Sample Description or ID[11]	Collection Information[12]			GRAB[16]	COMP[17]	Analysis Required[15]											TOTAL # OF CONTAINERS[18]
			Date	Time	Signature			8260 MGP	8270 MGP										
22007389		BRAM-SW31	2/27/02	0800	K. Cable	✓		1	1										

Relinquished by:[19] Tim Hunsucker Date/Time 2/28/02 @ 0740
Accepted By: Erena Cutler Date/Time 2/28/02 0745
Relinquished by: _____ Date/Time _____
Accepted By: _____ Date/Time _____
Seal/Locked by[20] _____ Date/Time _____
Seal/Lock Opened By: _____ Date/Time _____

Turnaround Requested[21]
- ☑ Routine (2 weeks)
- ☐ Rush (1 week)
- ☐ Emergency Rush (24-48 Hrs.)*

Date Results Requested: _____
*Additional Charges Will Apply

Sample Matrix[22] NC ☐ SC ☑
Ground Water ☐ NPDES ☐
Drinking Water ☐ UST ☐
RCRA Waste ☐ Other ☑

TEMP:[23]

Comments:[24]

Original – AL Files[25] **Copy 1– AL Files** **Copy 2 – Client Copy**

See Instructions on the back of this form.

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8270 / 625 Case Narrative

(This document must accompany release of analytical results)

LIMS Job Number **02-FEB-0576**

- *The percent recovery and/or the relative percent difference recoveries for Naphthalene, 2-Methylnaphthalene, Acenaphthylene, Acenaphthene, Dibenzofuran, and Fluorene in the Matrix Spike and Matrix Spike Duplicate did not meet the laboratory control limits. Any results for these analytes should be considered estimates for sample 22007389.*

- *The following compounds often exhibit recoveries lower than 50%: pyridine, aniline, hexachloroethane, benzoic acid, 4-chloroaniline, hexachlorocyclopentadiene, 2,4-dinitrophenol, 2-methyl-4,6-dinitrophenol and benzidine. Because of the potential for low recovery for these compounds, all results for these compounds should be considered as estimates.*

- *Any and all results for benzidine should be considered as estimates. This compound is difficult to accurately quantify by this methodology. This compound often fails calibration criteria, spike recovery criteria and method detection limit criteria.*

- *Any concentrations reported for phthalates including di-n-butylphthalate, bis(2-ethylhexyl)phthalate and di-n-octylphthalate should be considered as estimates. These compounds can be found in sample containers, sampling equipment and laboratory processing materials.*

Richard L. Engel

Analyst

Duke Energy

Duke Energy Analytical Laboratory

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Phone: 704-875-5245
Fax: 704-875-5038

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Kansas Department of Health and Environment Certificate # **E-10311**
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North Carolina Department of Health & Human Services Certification # **37804**
South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22007389** Job # : **02-FEB-0576**

Sample Description: **BRAM - SW31**

Collection Date: **27-Feb-02 08:00:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **03/11/02**

	Result	Reporting Limit	Flag
Benzene	< 12 ug/Kg	12 ug/Kg	0
Toluene	22 ug/Kg	12 ug/Kg	0
Ethylbenzene	< 12 ug/Kg	12 ug/Kg	0
m-p-Xylene	26 ug/Kg	24 ug/Kg	0
o-Xylene	< 12 ug/Kg	12 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **03/12/02**

	Result	Reporting Limit	Flag
Naphthalene	< 0.34 mg/Kg	0.34 mg/Kg	1
2-Methylnaphthalene	< 0.34 mg/Kg	0.34 mg/Kg	1
Acenaphthylene	< 0.34 mg/Kg	0.34 mg/Kg	1
Acenaphthene	< 0.34 mg/Kg	0.34 mg/Kg	1
Dibenzofuran	< 0.34 mg/Kg	0.34 mg/Kg	1
Fluorene	< 0.34 mg/Kg	0.34 mg/Kg	1
Phenanthrene	< 0.34 mg/Kg	0.34 mg/Kg	0
Anthracene	< 0.34 mg/Kg	0.34 mg/Kg	0
Fluoranthene	< 0.34 mg/Kg	0.34 mg/Kg	0
Pyrene	< 0.34 mg/Kg	0.34 mg/Kg	0
Benzo(a)anthracene	< 0.34 mg/Kg	0.34 mg/Kg	0
Chrysene	< 0.34 mg/Kg	0.34 mg/Kg	0
Benzo(b)fluoranthene	< 0.34 mg/Kg	0.34 mg/Kg	0
Benzo(k)fluoranthene	< 0.34 mg/Kg	0.34 mg/Kg	0
Benzo(a)pyrene	< 0.34 mg/Kg	0.34 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 0.34 mg/Kg	0.34 mg/Kg	0
Dibenzo(a,h)anthracene	< 0.34 mg/Kg	0.34 mg/Kg	0

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Louisiana Department of Environmental Quality (LELAP) Certificate # **02012**
North Carolina Department of Health & Human Services Certification # **37804**
South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22007389** Job # : **02-FEB-0576**

Sample Description: **BRAM - SW31**

Collection Date: **27-Feb-02 08:00:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **03/12/02**

	Result	Reporting Limit	Flag
Benzo(g,h,i)perylene	< **0.34** mg/Kg	**0.34** mg/Kg	**0**

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration, *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration.
7 - Reported concentration is the combination of more that one aroclor. (Reported Aroclor is the Aroclor of highest concentration in the sample)

Troy Whisenant 3/13/

Data Reported By, Date

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Form 89962 (9-97)
Formerly Form 35226

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13339 Hagers Ferry Road
Huntersville, NC 28078
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Fax: (704) 875-5038

LAB USE[8]

LIMS # 02-MAR-0220			Sample Class MGP
Logged By (Ini.) VBB	Time 0829	Date 3/12/02	Vendored Samples

Vendor	Analysis

Vendor	P.O. #

Container Type: (✓) Glass ( ) Plastic[13]

Preservative Added[14]													
HNO_3													
H_2SO_4													
Ice	✓	✓											
Other													
None													

CLIENT[2]: Tim Hunsucker Report to/Ph.[4]: Richard Baker / Tim Hunsucker
Project Name[3]: BEAMLETTE MGP Mail Code: ~~EC~~ M60383
FMIS #
Business Unit[4]: _____ Resp. Center To: 0193
Project ID[5]: MGPBRAM
Activity ID[6]: ALLACTV
Process[7]: _____

Sample #[9]	Lab PROFS #[10]	Sample Description or ID[11]	Collection Information[12] Date	Time	Signature	GRAB[16]	COMP[17]	Analysis Required[15]: 8260-mgp	8270-mgp	TOTAL # OF CONTAINERS[18]
22008984		BRAM-32-SW	3/5/02	1700	K. CABLE	✓		1	1	2
22008990		BRAM-33-SW	3/5/02	1702	↓	✓		1	1	2
22008991		BRAM-34-SW	3/5/02	1705	↓	✓		1	1	2
22008992		BRAM-35-B	3/6/02	0825	K. CABLE	✓		1	1	2

Relinquished by:[19]	Date/Time	Accepted By:	Date/Time
Tim Hunsucker	3/12/02 @0745	Vickie Bowers	3/12/02 0745
Relinquished by:	Date/Time	Accepted By:	Date/Time
Seal/Locked by[20]	Date/Time	Seal/Lock Opened By:	Date/Time

Turnaround Requested[21]
- ☑ Routine (2 weeks)
- ☐ Rush (1 week)
- ☐ Emergency Rush (24-48 Hrs.)*

Date Results Requested: _____
*Additional Charges Will Apply

Sample Matrix[22] NC ☐ SC ☑
Ground Water ☐ NPDES ☐
Drinking Water ☐ UST ☐
RCRA Waste ☐ Other ☑

TEMP:[23]

Comments:[24] * ELECTRONIC DATA TRANSFER

See Instructions on the back of this form.

Original – AL Files[25] Copy 1– AL Files Copy 2 – Client Copy

Duke Power SM

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8270 / 625 Case Narrative

(This document must accompany release of analytical results)

LIMS Job Number **02-MAR-0220**

- *The internal standards, chrysene-d12 and terphenyl-d14, were outside the laboratory control limits for sample #22008989. Any results for analytes from pyrene thru benzo[g,h,i]perylene should be considered estimates.*
- *The following compounds often exhibit recoveries lower than 50%: pyridine, aniline, hexachloroethane, benzoic acid, 4-chloroaniline, hexachlorocyclopentadiene, 2,4-dinitrophenol, 2-methyl-4,6-dinitrophenol and benzidine. Because of the potential for low recovery for these compounds, all results for these compounds should be considered as estimates.*
- *Any and all results for benzidine should be considered as estimates. This compound is difficult to accurately quantify by this methodology. This compound often fails calibration criteria, spike recovery criteria and method detection limit criteria.*
- *Any concentrations reported for phthalates including di-n-butylphthalate, bis(2-ethylhexyl)phthalate and di-n-octylphthalate should be considered as estimates. These compounds can be found in sample containers, sampling equipment and laboratory processing materials.*

Richard L. Engel

Richard L. Engel

Associate Scientist

Duke Energy

Duke Energy Analytical Laboratory

Environment, Health and Safety Services
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Fax: 704-875-5038

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Huntersville, NC 28078-7929
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Louisiana Department of Environmental Quality (LELAP) Certificate # **02012**
North Carolina Department of Health & Human Services Certification # **37804**
South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22008990** Job # : **02-MAR-0220**

Sample Description: **BRAM-33-SW**

Collection Date: **5-Mar-02 17:02:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **03/19/02**

	Result	Reporting Limit	Flag
Benzene	< 6.0 ug/Kg	6.0 ug/Kg	0
Toluene	< 6.0 ug/Kg	6.0 ug/Kg	0
Ethylbenzene	< 6.0 ug/Kg	6.0 ug/Kg	0
m-p-Xylene	< 12 ug/Kg	12 ug/Kg	0
o-Xylene	< 6.0 ug/Kg	6.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **03/20/02**

	Result	Reporting Limit	Flag
Naphthalene	< 0.34 mg/Kg	0.34 mg/Kg	0
2-Methylnaphthalene	< 0.34 mg/Kg	0.34 mg/Kg	0
Acenaphthylene	< 0.34 mg/Kg	0.34 mg/Kg	0
Acenaphthene	< 0.34 mg/Kg	0.34 mg/Kg	0
Dibenzofuran	< 0.34 mg/Kg	0.34 mg/Kg	0
Fluorene	< 0.34 mg/Kg	0.34 mg/Kg	0
Phenanthrene	< 0.34 mg/Kg	0.34 mg/Kg	0
Anthracene	< 0.34 mg/Kg	0.34 mg/Kg	0
Fluoranthene	< 0.34 mg/Kg	0.34 mg/Kg	0
Pyrene	< 0.34 mg/Kg	0.34 mg/Kg	0
Benzo(a)anthracene	< 0.34 mg/Kg	0.34 mg/Kg	0
Chrysene	< 0.34 mg/Kg	0.34 mg/Kg	0
Benzo(b)fluoranthene	< 0.34 mg/Kg	0.34 mg/Kg	0
Benzo(k)fluoranthene	< 0.34 mg/Kg	0.34 mg/Kg	0
Benzo(a)pyrene	< 0.34 mg/Kg	0.34 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 0.34 mg/Kg	0.34 mg/Kg	0
Dibenzo(a,h)anthracene	< 0.34 mg/Kg	0.34 mg/Kg	0
Benzo(g,h,i)perylene	< 0.34 mg/Kg	0.34 mg/Kg	0

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South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22008991** Job # : **02-MAR-0220**

Sample Description: **BRAM-34-SW**

Collection Date: **5-Mar-02 17:05:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **03/19/02**

	Result	Reporting Limit	Flag
Benzene	< 6.0 ug/Kg	6.0 ug/Kg	0
Toluene	< 6.0 ug/Kg	6.0 ug/Kg	0
Ethylbenzene	< 6.0 ug/Kg	6.0 ug/Kg	0
m-p-Xylene	< 12 ug/Kg	12 ug/Kg	0
o-Xylene	< 6.0 ug/Kg	6.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **03/20/02**

	Result	Reporting Limit	Flag
Naphthalene	< 0.35 mg/Kg	0.35 mg/Kg	0
2-Methylnaphthalene	< 0.35 mg/Kg	0.35 mg/Kg	0
Acenaphthylene	< 0.35 mg/Kg	0.35 mg/Kg	0
Acenaphthene	< 0.35 mg/Kg	0.35 mg/Kg	0
Dibenzofuran	< 0.35 mg/Kg	0.35 mg/Kg	0
Fluorene	< 0.35 mg/Kg	0.35 mg/Kg	0
Phenanthrene	< 0.35 mg/Kg	0.35 mg/Kg	0
Anthracene	< 0.35 mg/Kg	0.35 mg/Kg	0
Fluoranthene	< 0.35 mg/Kg	0.35 mg/Kg	0
Pyrene	< 0.35 mg/Kg	0.35 mg/Kg	0
Benzo(a)anthracene	< 0.35 mg/Kg	0.35 mg/Kg	0
Chrysene	< 0.35 mg/Kg	0.35 mg/Kg	0
Benzo(b)fluoranthene	< 0.35 mg/Kg	0.35 mg/Kg	0
Benzo(k)fluoranthene	< 0.35 mg/Kg	0.35 mg/Kg	0
Benzo(a)pyrene	< 0.35 mg/Kg	0.35 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 0.35 mg/Kg	0.35 mg/Kg	0
Dibenzo(a,h)anthracene	< 0.35 mg/Kg	0.35 mg/Kg	0
Benzo(g,h,i)perylene	< 0.35 mg/Kg	0.35 mg/Kg	0

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South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22008992** Job # : **02-MAR-0220**

Sample Description: **BRAM-35-B**

Collection Date: **6-Mar-02 08:25:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **03/19/02**

	Result	Reporting Limit	Flag
Benzene	< 6.0 ug/Kg	6.0 ug/Kg	0
Toluene	< 6.0 ug/Kg	6.0 ug/Kg	0
Ethylbenzene	< 6.0 ug/Kg	6.0 ug/Kg	0
m-p-Xylene	< 11 ug/Kg	11 ug/Kg	0
o-Xylene	< 6.0 ug/Kg	6.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **03/20/02**

	Result	Reporting Limit	Flag
Naphthalene	< 0.34 mg/Kg	0.34 mg/Kg	0
2-Methylnaphthalene	< 0.34 mg/Kg	0.34 mg/Kg	0
Acenaphthylene	< 0.34 mg/Kg	0.34 mg/Kg	0
Acenaphthene	< 0.34 mg/Kg	0.34 mg/Kg	0
Dibenzofuran	< 0.34 mg/Kg	0.34 mg/Kg	0
Fluorene	< 0.34 mg/Kg	0.34 mg/Kg	0
Phenanthrene	< 0.34 mg/Kg	0.34 mg/Kg	0
Anthracene	< 0.34 mg/Kg	0.34 mg/Kg	0
Fluoranthene	< 0.34 mg/Kg	0.34 mg/Kg	0
Pyrene	< 0.34 mg/Kg	0.34 mg/Kg	0
Benzo(a)anthracene	< 0.34 mg/Kg	0.34 mg/Kg	0
Chrysene	< 0.34 mg/Kg	0.34 mg/Kg	0
Benzo(b)fluoranthene	< 0.34 mg/Kg	0.34 mg/Kg	0
Benzo(k)fluoranthene	< 0.34 mg/Kg	0.34 mg/Kg	0
Benzo(a)pyrene	< 0.34 mg/Kg	0.34 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 0.34 mg/Kg	0.34 mg/Kg	0
Dibenzo(a,h)anthracene	< 0.34 mg/Kg	0.34 mg/Kg	0

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South Carolina (DHEC) Laboratory ID # 99005 North Carolina (DENR) Certification # 248

Sample ID # : **22008992** Job # : **02-MAR-0220**

Sample Description: **BRAM-35-B**

Collection Date: **6-Mar-02 08:25:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **03/20/02**

	Result	Reporting Limit	Flag
Benzo(g,h,i)perylene	< 0.34 mg/Kg	0.34 mg/Kg	0

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration, *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration.
7 - Reported concentration is the combination of more that one aroclor. (Reported Aroclor is the Aroclor of highest concentration in the sample)

Troy W Rissenant 3/27/02
Data Reported By, Date

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Form 89962 (9-97)
Previously Form 35226

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Fax: (704) 875-5038

LAB USE[8]

LIMS # 02-APR-0459			Sample Class MGP
Logged By (Ini.) EBC	Time 8:09	Date 4/23/02	Vendored Samples

Vendor	Analysis

Vendor	P.O. #

Container Type: (✓)Glass ( )Plastic[13]

Preservative Added[14]

HNO_3														
H_2SO_4														
Ice	✓	✓												
Other														
None														

CLIENT[2]: Tim Hunsucker Report to/Ph.[4]: Tim Hunsucker
Project Name[3]: BRAMLETTE MGP Mail Code: MG03A3
EMIS #
Business Unit[4]: _____ Resp. Center To: _____
Project ID[5]: MGPBRAM
Activity ID[6]: ALLACTV
Process[7]: _____

Sample #[9]	Lab PROFS #[10]	Sample Description or ID[11]	Collection Information[12] Date	Time	Signature	GRAB[16]	COMP[17]	Analysis Required[15] 8260-mgp	8270-mgp	TOTAL # OF CONTAINERS[18]
2201-4158		BRAM-36-SW	4/1/02	1415	CMS	✓		1	1	
4163		BRAM-37-B	4/16/02	1130	KC	✓		1	1	
4164		BRAM-38-SW	4/16/02	1415	KC	✓		1	1	
4165		BRAM-39-SW	4/22/02	1515	TSH	✓		1	1	
4166		BRAM-46-SW	4/22/02	1525	TSH	✓		1	1	

Relinquished by:[19]	Date/Time	Accepted By:	Date/Time
Tim Hunsucker	4/22/02 @1810	Erin Calder	4/23/02 0715
Relinquished by:	Date/Time	Accepted By:	Date/Time
Seal/Locked by[20]	Date/Time	Seal/Lock Opened By:	Date/Time

Turnaround Requested[21]
- ☑ Routine (2 weeks)
- ☐ Rush (1 week)
- ☐ Emergency Rush (24-48 Hrs.)*

Date Results Requested: _____
*Additional Charges Will Apply

Sample Matrix[22] NC ☐ SC ☑
Ground Water ☐ NPDES ☐
Drinking Water ☐ UST ☐
RCRA Waste ☐ Other ☑

TEMP:[23]

Comments:[24] ELECTRONIC DATA TRANSFER

Original – [illegible][25] Copy 1– AL Files Copy 2 – Client Copy

See Instructions on the back of this form.

Duke Energy SM

8270/625 Analysis Case Narrative

(This document must accompany release of Analytical Data)

LIMS Job # 02-APR-0459

Worklist # 02-APR-0503

- *The Matrix Spike Duplicate percent recovery and the Matrix Spike average percent recovery for benzo(b)fluoranthene did not meet the laboratory control limits. The results for this analyte should be considered an estimate for sample 22014165.*
- *The relative percent difference for several compounds in the Matrix Spike and Matrix Spike Duplicate samples exceeded the laboratory control limit of 20%.*
- *The following compounds often exhibit recoveries lower than 50%: pyridine, aniline, hexachloroethane, benzoic acid, 4-chloroaniline, hexachlorocyclopentadiene, 2,4-dinitrophenol, 2-methyl-4,6-dinitrophenol and benzidine. Because of the potential for low recovery for these compounds, all results for these compounds should be considered as estimates.*
- *Any and all results for benzidine should be considered as estimates. This compound is difficult to accurately quantify by this methodology. This compound often fails calibration criteria, spike recovery criteria and method detection limit criteria.*
- *Any concentrations reported for phthalates including di-n-butylphthalate, bis(2-ethylhexyl)phthalate and di-n-octylphthalate should be considered as estimates. These compounds can be found in sample containers, sampling equipment and laboratory processing materials.*

Richard L. Engel

Analyst Signature

Richard L. Engel

Duke Energy Analytical Laboratory Services

Environment, Health & Safety Services
Phone: 704-875-5245
FAX 704-875-5038

Environmental Center – MG03A2
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Huntersville NC 28078-7929

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Fax: 704-875-5038

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Sample ID # : **22014158** Job # : **02-APR-0459**

Sample Description: **BRAM-36-SW**

Collection Date: **11-Apr-02 14:15:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **04/26/02**

	Result	Reporting Limit	Flag
Benzene	< 310 ug/Kg	310 ug/Kg	0
Toluene	< 310 ug/Kg	310 ug/Kg	0
Ethylbenzene	< 310 ug/Kg	310 ug/Kg	0
m-p-Xylene	< 610 ug/Kg	610 ug/Kg	0
o-Xylene	< 310 ug/Kg	310 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **04/30/02**

	Result	Reporting Limit	Flag
Naphthalene	< 1.4 mg/Kg	1.4 mg/Kg	0
2-Methylnaphthalene	< 1.4 mg/Kg	1.4 mg/Kg	0
Acenaphthylene	< 1.4 mg/Kg	1.4 mg/Kg	0
Acenaphthene	< 1.4 mg/Kg	1.4 mg/Kg	0
Dibenzofuran	< 1.4 mg/Kg	1.4 mg/Kg	0
Fluorene	< 1.4 mg/Kg	1.4 mg/Kg	0
Phenanthrene	< 1.4 mg/Kg	1.4 mg/Kg	0
Anthracene	< 1.4 mg/Kg	1.4 mg/Kg	0
Fluoranthene	< 1.4 mg/Kg	1.4 mg/Kg	0
Pyrene	< 1.4 mg/Kg	1.4 mg/Kg	0
Benzo(a)anthracene	< 1.4 mg/Kg	1.4 mg/Kg	0
Chrysene	< 1.4 mg/Kg	1.4 mg/Kg	0
Benzo(b)fluoranthene	< 1.4 mg/Kg	1.4 mg/Kg	0
Benzo(k)fluoranthene	< 1.4 mg/Kg	1.4 mg/Kg	0
Benzo(a)pyrene	< 1.4 mg/Kg	1.4 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 1.4 mg/Kg	1.4 mg/Kg	0
Dibenzo(a,h)anthracene	< 1.4 mg/Kg	1.4 mg/Kg	0
Benzo(g,h,i)perylene	< 1.4 mg/Kg	1.4 mg/Kg	0

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Sample ID # : **22014163** Job # : **02-APR-0459**

Sample Description: **BRAM-37-B**

Collection Date: **16-Apr-02 11:30:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **04/26/02**

	Result	Reporting Limit	Flag
Benzene	< 250 ug/Kg	250 ug/Kg	0
Toluene	< 250 ug/Kg	250 ug/Kg	0
Ethylbenzene	< 250 ug/Kg	250 ug/Kg	0
m-p-Xylene	< 500 ug/Kg	500 ug/Kg	0
o-Xylene	< 250 ug/Kg	250 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **04/30/02**

	Result	Reporting Limit	Flag
Naphthalene	2.8 mg/Kg	1.2 mg/Kg	0
2-Methylnaphthalene	2.9 mg/Kg	1.2 mg/Kg	0
Acenaphthylene	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Dibenzofuran	< 1.2 mg/Kg	1.2 mg/Kg	0
Fluorene	< 1.2 mg/Kg	1.2 mg/Kg	0
Phenanthrene	1.7 mg/Kg	1.2 mg/Kg	0
Anthracene	< 1.2 mg/Kg	1.2 mg/Kg	0
Fluoranthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Pyrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(a)anthracene	< 1.2 mg/Kg	1.2 mg/Kg	0
Chrysene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(b)fluoranthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(k)fluoranthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(a)pyrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Dibenzo(a,h)anthracene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(g,h,i)perylene	< 1.2 mg/Kg	1.2 mg/Kg	0

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Sample ID # : **22014164** Job # : **02-APR-0459**

Sample Description: **BRAM-38-SW**

Collection Date: **18-Apr-02 14:15:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **04/26/02**

	Result	Reporting Limit	Flag
Benzene	< 280 ug/Kg	280 ug/Kg	0
Toluene	< 280 ug/Kg	280 ug/Kg	0
Ethylbenzene	< 280 ug/Kg	280 ug/Kg	0
m-p-Xylene	< 570 ug/Kg	570 ug/Kg	0
o-Xylene	< 280 ug/Kg	280 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **04/30/02**

	Result	Reporting Limit	Flag
Naphthalene	< 1.4 mg/Kg	1.4 mg/Kg	0
2-Methylnaphthalene	< 1.4 mg/Kg	1.4 mg/Kg	0
Acenaphthylene	< 1.4 mg/Kg	1.4 mg/Kg	0
Acenaphthene	< 1.4 mg/Kg	1.4 mg/Kg	0
Dibenzofuran	< 1.4 mg/Kg	1.4 mg/Kg	0
Fluorene	< 1.4 mg/Kg	1.4 mg/Kg	0
Phenanthrene	< 1.4 mg/Kg	1.4 mg/Kg	0
Anthracene	< 1.4 mg/Kg	1.4 mg/Kg	0
Fluoranthene	< 1.4 mg/Kg	1.4 mg/Kg	0
Pyrene	< 1.4 mg/Kg	1.4 mg/Kg	0
Benzo(a)anthracene	< 1.4 mg/Kg	1.4 mg/Kg	0
Chrysene	< 1.4 mg/Kg	1.4 mg/Kg	0
Benzo(b)fluoranthene	< 1.4 mg/Kg	1.4 mg/Kg	0
Benzo(k)fluoranthene	< 1.4 mg/Kg	1.4 mg/Kg	0
Benzo(a)pyrene	< 1.4 mg/Kg	1.4 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 1.4 mg/Kg	1.4 mg/Kg	0
Dibenzo(a,h)anthracene	< 1.4 mg/Kg	1.4 mg/Kg	0
Benzo(g,h,i)perylene	< 1.4 mg/Kg	1.4 mg/Kg	0

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Sample ID # : **22014165** Job # : **02-APR-0459**

Sample Description: **BRAM-39-SW**

Collection Date: **22-Apr-02 15:15:00** Site : **BRAMLETT ST** Sample Type: **SOIL** Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **04/26/02**

	Result	Reporting Limit	Flag
Benzene	< 260 ug/Kg	260 ug/Kg	0
Toluene	< 260 ug/Kg	260 ug/Kg	0
Ethylbenzene	< 260 ug/Kg	260 ug/Kg	0
m-p-Xylene	< 510 ug/Kg	510 ug/Kg	0
o-Xylene	< 260 ug/Kg	260 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **04/30/02**

	Result	Reporting Limit	Flag
Naphthalene	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Methylnaphthalene	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthylene	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Dibenzofuran	< 1.2 mg/Kg	1.2 mg/Kg	0
Fluorene	< 1.2 mg/Kg	1.2 mg/Kg	0
Phenanthrene	4.6 mg/Kg	1.2 mg/Kg	0
Anthracene	< 1.2 mg/Kg	1.2 mg/Kg	0
Fluoranthene	8.0 mg/Kg	1.2 mg/Kg	0
Pyrene	7.7 mg/Kg	1.2 mg/Kg	0
Benzo(a)anthracene	4.9 mg/Kg	1.2 mg/Kg	0
Chrysene	5.5 mg/Kg	1.2 mg/Kg	0
Benzo(b)fluoranthene	5.3 mg/Kg	1.2 mg/Kg	1
Benzo(k)fluoranthene	5.0 mg/Kg	1.2 mg/Kg	0
Benzo(a)pyrene	5.0 mg/Kg	1.2 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	3.9 mg/Kg	1.2 mg/Kg	0
Dibenzo(a,h)anthracene	1.6 mg/Kg	1.2 mg/Kg	0
Benzo(g,h,i)perylene	4.2 mg/Kg	1.2 mg/Kg	0

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Fax: 704-875-5038

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Sample ID # : **22014166** Job # : **02-APR-0459**

Sample Description: **BRAM-40-SW**

Collection Date: **22-Apr-02 15:25:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **04/26/02**

	Result	Reporting Limit	Flag
Benzene	< 270 ug/Kg	270 ug/Kg	0
Toluene	< 270 ug/Kg	270 ug/Kg	0
Ethylbenzene	< 270 ug/Kg	270 ug/Kg	0
m-p-Xylene	< 540 ug/Kg	540 ug/Kg	0
o-Xylene	< 270 ug/Kg	270 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **04/30/02**

	Result	Reporting Limit	Flag
Naphthalene	< 1.3 mg/Kg	1.3 mg/Kg	0
2-Methylnaphthalene	< 1.3 mg/Kg	1.3 mg/Kg	0
Acenaphthylene	< 1.3 mg/Kg	1.3 mg/Kg	0
Acenaphthene	< 1.3 mg/Kg	1.3 mg/Kg	0
Dibenzofuran	< 1.3 mg/Kg	1.3 mg/Kg	0
Fluorene	< 1.3 mg/Kg	1.3 mg/Kg	0
Phenanthrene	< 1.3 mg/Kg	1.3 mg/Kg	0
Anthracene	< 1.3 mg/Kg	1.3 mg/Kg	0
Fluoranthene	< 1.3 mg/Kg	1.3 mg/Kg	0
Pyrene	< 1.3 mg/Kg	1.3 mg/Kg	0
Benzo(a)anthracene	< 1.3 mg/Kg	1.3 mg/Kg	0
Chrysene	< 1.3 mg/Kg	1.3 mg/Kg	0
Benzo(b)fluoranthene	< 1.3 mg/Kg	1.3 mg/Kg	0
Benzo(k)fluoranthene	< 1.3 mg/Kg	1.3 mg/Kg	0
Benzo(a)pyrene	< 1.3 mg/Kg	1.3 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 1.3 mg/Kg	1.3 mg/Kg	0
Dibenzo(a,h)anthracene	< 1.3 mg/Kg	1.3 mg/Kg	0

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Louisiana Department of Environmental Quality (LELAP) Certificate # 02012
North Carolina Department of Health & Human Services Certification # 37804
South Carolina (DHEC) Laboratory ID # 99005 North Carolina (DENR) Certification # 248

Sample ID # : **22014166** Job # : **02-APR-0459**

Sample Description: **BRAM-40-SW**

Collection Date: **22-Apr-02 15:25:00** Site : **BRAMLETT ST** Sample Type: **SOIL** Desktop #

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **04/30/02**

	Result	Reporting Limit	Flag
Benzo(g,h,i)perylene	< 1.3 mg/Kg	1.3 mg/Kg	0

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration. *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration.
7 - Reported concentration is the combination of more that one aroclor. (Reported Aroclor is the Aroclor of highest concentration in the sample)

Troy Whisenant 5/1/02
Data Reported By, Date

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Form 89962 (9-97)
Previously Form 35226

Duke Power's Analytical Laboratory
MNS Bldg. # 7405 (MG03A2)
13339 Hagers Ferry Road
Huntersville, NC 28078
Phone: (704) 875-5209/875-5245[1]
Fax: (704) 875-5038

LAB USE[8]

LIMS #	Sample Class
02-MAY-0039	MGP

Logged By (Ini.)	Time	Date
VBB	800	5/2/02

Vendored Samples

Vendor	Analysis

Vendor	P.O. #

CLIENT[2]: Tim Hunsucker Report to/Ph.[4]: Tim Hunsucker
Project Name[3]: Bram MGP Mail Code: MG03A3

FMIS #
Business Unit[4]: _____ Resp. Center To: 0423
Project ID[5]: MGPBRAM
Activity ID[6]: ALLACTV
Process[7]: _____

Container Type: (✓)Glass ( )Plastic[13]

Preservative Added[14]

HNO_3													
H_2SO_4													
Ice	✓	✓											
Other													
None													

Sample #[9]	Lab PROFS #[10]	Sample Description or ID[11]	Collection Information[12] Date	Time	Signature	GRAB[16]	COMP[17]	Analysis Required[15] 8260-mgp	8270-mgp	TOTAL # OF CONTAINERS[18]
220157739		BRAM-41-SW	4/29/02	1435	KC	✓		1	1	
220157740		BRAM-42-SW	4/29/02	1440	KC	✓		1	1	
220157741		BRAM-43-SW	4/30/02	1525	KC	✓		1	1	
220157742		BRAM-44-SW	4/30/02	1540	KC	✓		1	1	

Relinquished by[19]	Date/Time	Accepted By:	Date/Time
Tim Hunsucker	5/2/02 @0740	Crena Calder	5/2/02 07:40
Relinquished by:	Date/Time	Accepted By:	Date/Time
Seal/Locked by[20]	Date/Time	Seal/Lock Opened By:	Date/Time

Turnaround Requested[21]
- ☐ Routine (2 weeks)
- ☐ Rush (1 week)
- ☐ Emergency Rush (24-48 Hrs.)*

Date Results Requested: _____
*Additional Charges Will Apply

Sample Matrix[22] NC ☐ SC ☑
Ground Water ☐ NPDES ☐
Drinking Water ☐ UST ☐
RCRA Waste ☐ Other ☑

TEMP:[23]

Comments:[24] ELECTRONIC DATA TRANSFER

Original – AL Files[25] **Copy 1– AL Files** **Copy 2 – Client Copy**

See Instructions on the back of this form.

Duke Energy SM

8270/625 Analysis Case Narrative

(This document must accompany release of Analytical Data)

LIMS Job # ***02-MAY-0039***

Worklist # ***02-MAY-0129***

- *The Matrix Spike results could not be calculated due to the high concentration of analytes in sample 22015740. All additional quality control results were within acceptable limits. The results for all analytes should be considered estimates for sample 22015740.*

Analyst Signature

Shannon Rollins

Duke Energy Analytical Laboratory Services

Environment, Health & Safety Services
Phone: 704-875-5245
FAX: 704-875-5038

Environmental Center – MG03A2
13339 Hagers Ferry Road
Huntersville NC 28078-7929

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Duke Energy Analytical Laboratory

Environment, Health and Safety Services
Phone: 704-875-5245
Fax: 704-875-5038

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Huntersville, NC 28078-7929
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South Carolina (DHEC) Laboratory ID # **99005** North Caroline (DENR) Certification # **248**

Sample ID # : **22015739** Job # : **02-MAY-0039**

Sample Description: **BRAM-41-SW**

Collection Date: **29-Apr-02 14:35:00** Site : BRAMLETT ST Sample Type: GROUNDWATER Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **05/07/02**

	Result	Reporting Limit	Flag
Benzene	< 310 ug/Kg	310 ug/Kg	0
Toluene	< 310 ug/Kg	310 ug/Kg	0
Ethylbenzene	< 310 ug/Kg	310 ug/Kg	0
m-p-Xylene	< 610 ug/Kg	610 ug/Kg	0
o-Xylene	< 310 ug/Kg	310 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **05/10/02**

	Result	Reporting Limit	Flag
Naphthalene	< 1.5 mg/Kg	1.5 mg/Kg	0
2-Methylnaphthalene	< 1.5 mg/Kg	1.5 mg/Kg	0
Acenaphthylene	< 1.5 mg/Kg	1.5 mg/Kg	0
Acenaphthene	< 1.5 mg/Kg	1.5 mg/Kg	0
Dibenzofuran	< 1.5 mg/Kg	1.5 mg/Kg	0
Fluorene	< 1.5 mg/Kg	1.5 mg/Kg	0
Phenanthrene	< 1.5 mg/Kg	1.5 mg/Kg	0
Anthracene	< 1.5 mg/Kg	1.5 mg/Kg	0
Fluoranthene	< 1.5 mg/Kg	1.5 mg/Kg	0
Pyrene	< 1.5 mg/Kg	1.5 mg/Kg	0
Benzo(a)anthracene	< 1.5 mg/Kg	1.5 mg/Kg	0
Chrysene	< 1.5 mg/Kg	1.5 mg/Kg	0
Benzo(b)fluoranthene	< 1.5 mg/Kg	1.5 mg/Kg	0
Benzo(k)fluoranthene	< 1.5 mg/Kg	1.5 mg/Kg	0
Benzo(a)pyrene	< 1.5 mg/Kg	1.5 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 1.5 mg/Kg	1.5 mg/Kg	0
Dibenzo(a,h)anthracene	< 1.5 mg/Kg	1.5 mg/Kg	0
Benzo(g,h,i)perylene	< 1.5 mg/Kg	1.5 mg/Kg	0

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Fax: 704-875-5038

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North Carolina Department of Health & Human Services Certification # **37804**
South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22015740** Job # : **02-MAY-0039**

Sample Description: **BRAM-42-SW**

Collection Date: **29-Apr-02 14:40:00** Site : BRAMLETT ST Sample Type: GROUNDWATER Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **05/07/02**

	Result	Reporting Limit	Flag
Benzene	< 250 ug/Kg	250 ug/Kg	0
Toluene	< 250 ug/Kg	250 ug/Kg	0
Ethylbenzene	< 250 ug/Kg	250 ug/Kg	0
m-p-Xylene	< 490 ug/Kg	490 ug/Kg	0
o-Xylene	< 250 ug/Kg	250 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **05/10/02**

	Result	Reporting Limit	Flag
Naphthalene	3.3 mg/Kg	1.3 mg/Kg	1
2-Methylnaphthalene	3.4 mg/Kg	1.3 mg/Kg	1
Acenaphthylene	17 mg/Kg	13 mg/Kg	1
Acenaphthene	4.2 mg/Kg	1.3 mg/Kg	1
Dibenzofuran	8.6 mg/Kg	1.3 mg/Kg	1
Fluorene	20 mg/Kg	13 mg/Kg	1
Phenanthrene	170 mg/Kg	130 mg/Kg	1
Anthracene	49 mg/Kg	13 mg/Kg	1
Fluoranthene	210 mg/Kg	130 mg/Kg	1
Pyrene	230 mg/Kg	130 mg/Kg	1
Benzo(a)anthracene	100 mg/Kg	13 mg/Kg	1
Chrysene	94 mg/Kg	13 mg/Kg	1
Benzo(b)fluoranthene	70 mg/Kg	13 mg/Kg	1
Benzo(k)fluoranthene	80 mg/Kg	13 mg/Kg	1
Benzo(a)pyrene	81 mg/Kg	13 mg/Kg	1
Indeno(1,2,3-c,d)pyrene	44 mg/Kg	13 mg/Kg	1
Dibenzo(a,h)anthracene	23 mg/Kg	13 mg/Kg	1
Benzo(g,h,i)perylene	46 mg/Kg	13 mg/Kg	1

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North Carolina Department of Health & Human Services Certification # 37804
South Carolina (DHEC) Laboratory ID # 99005 North Carolina (DENR) Certification # 248

Sample ID # : **22015741** Job # : **02-MAY-0039**

Sample Description: **BRAM-43-SW**

Collection Date: **30-Apr-02 15:25:00** Site : BRAMLETT ST Sample Type: GROUNDWATER Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **05/07/02**

	Result	Reporting Limit	Flag
Benzene	< 310 ug/Kg	310 ug/Kg	0
Toluene	< 310 ug/Kg	310 ug/Kg	0
Ethylbenzene	< 310 ug/Kg	310 ug/Kg	0
m-p-Xylene	< 610 ug/Kg	610 ug/Kg	0
o-Xylene	< 310 ug/Kg	310 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **05/10/02**

	Result	Reporting Limit	Flag
Naphthalene	< 1.6 mg/Kg	1.6 mg/Kg	0
2-Methylnaphthalene	< 1.6 mg/Kg	1.6 mg/Kg	0
Acenaphthylene	< 1.6 mg/Kg	1.6 mg/Kg	0
Acenaphthene	< 1.6 mg/Kg	1.6 mg/Kg	0
Dibenzofuran	< 1.6 mg/Kg	1.6 mg/Kg	0
Fluorene	< 1.6 mg/Kg	1.6 mg/Kg	0
Phenanthrene	< 1.6 mg/Kg	1.6 mg/Kg	0
Anthracene	< 1.6 mg/Kg	1.6 mg/Kg	0
Fluoranthene	5.2 mg/Kg	1.6 mg/Kg	0
Pyrene	5.5 mg/Kg	1.6 mg/Kg	0
Benzo(a)anthracene	3.3 mg/Kg	1.6 mg/Kg	0
Chrysene	3.3 mg/Kg	1.6 mg/Kg	0
Benzo(b)fluoranthene	3.7 mg/Kg	1.6 mg/Kg	0
Benzo(k)fluoranthene	3.0 mg/Kg	1.6 mg/Kg	0
Benzo(a)pyrene	3.9 mg/Kg	1.6 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	2.9 mg/Kg	1.6 mg/Kg	0
Dibenzo(a,h)anthracene	< 1.6 mg/Kg	1.6 mg/Kg	0
Benzo(g,h,i)perylene	3.0 mg/Kg	1.6 mg/Kg	0

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South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22015742** Job # : **02-MAY-0039**

Sample Description: **BRAM-44-SW**

Collection Date: **30-Apr-02 15:40:00** Site : BRAMLETT ST Sample Type: GROUNDWATER Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **05/07/02**

	Result	Reporting Limit	Flag
Benzene	< 280 ug/Kg	280 ug/Kg	0
Toluene	< 280 ug/Kg	280 ug/Kg	0
Ethylbenzene	< 280 ug/Kg	280 ug/Kg	0
m-p-Xylene	< 560 ug/Kg	560 ug/Kg	0
o-Xylene	< 280 ug/Kg	280 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **05/10/02**

	Result	Reporting Limit	Flag
Naphthalene	< 1.4 mg/Kg	1.4 mg/Kg	0
2-Methylnaphthalene	< 1.4 mg/Kg	1.4 mg/Kg	0
Acenaphthylene	6.5 mg/Kg	1.4 mg/Kg	0
Acenaphthene	< 1.4 mg/Kg	1.4 mg/Kg	0
Dibenzofuran	2.4 mg/Kg	1.4 mg/Kg	0
Fluorene	3.4 mg/Kg	1.4 mg/Kg	0
Phenanthrene	49 mg/Kg	14 mg/Kg	0
Anthracene	9.0 mg/Kg	1.4 mg/Kg	0
Fluoranthene	65 mg/Kg	14 mg/Kg	0
Pyrene	67 mg/Kg	14 mg/Kg	0
Benzo(a)anthracene	28 mg/Kg	14 mg/Kg	0
Chrysene	29 mg/Kg	14 mg/Kg	0
Benzo(b)fluoranthene	20 mg/Kg	14 mg/Kg	0
Benzo(k)fluoranthene	27 mg/Kg	14 mg/Kg	0
Benzo(a)pyrene	24 mg/Kg	14 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	17 mg/Kg	1.4 mg/Kg	0
Dibenzo(a,h)anthracene	5.8 mg/Kg	1.4 mg/Kg	0

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South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22015742** Job # : **02-MAY-0039**

Sample Description: **BRAM-44-SW**

Collection Date: **30-Apr-02 15:40:00** Site : BRAMLETT ST Sample Type: GROUNDWATER Desktop #

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **05/10/02**

	Result	Reporting Limit	Flag
Benzo(g,h,i)perylene	16 mg/Kg	1.4 mg/Kg	0

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration, *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration
7 - Reported concentration is the combination of more that one aroclor. (Reported Aroclor is the Aroclor of highest concentration in the sample)

Troy Whisenant 5/13

Data Reported By, Date

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Form 89962 (9-97)
Previously Form 35226

Duke Power's Analytical Laboratory
MNS Bldg. # 7405 (MG03A2)
13339 Hagers Ferry Road
Huntersville, NC 28078
Phone: (704) 875-5209/875-5245[1]
Fax: (704) 875-5038

LAB USE[8]

LIMS # 02-MAY-0417		Sample Class MGP
Logged By (Ini.)	Time	Date
TGO	0828	5/16/02

Vendored Samples

Vendor	Analysis

Vendor	P.O. #

Container Type: (✓)Glass ( )Plastic[13]

Preservative Added[14]

HNO_3													
H_2SO_4													
Ice	✓	✓											
Other													
None													

CLIENT[2]: Tim Hunsucker Report to/Ph.[4]: _____
Project Name[3]: Richard Baker Mail Code: MG03A3
FMIS #: Business Unit[4]: _____ Resp. Center To: [redacted]0193
Project ID[5]: MGP BRAM
Activity ID[6]: All Actv
Process[7]: _____

Sample #[9]	Lab PROFS #[10] 2201	Sample Description or ID[11]	Collection Information[12] Date	Time	Signature	GRAB[16]	COMP[17]	Analysis Required[15] EPA 8260	EPA 8270	TOTAL # OF CONTAINERS[18]
BRAM-45B	7843	BRAM-45B	5/8/02	1450	Kimberly Cobb	X		X	X	2
BRAM-46SW	7844	BRAM-46SW	5/8/02	1515	Kimberly Cobb	↓		↓	↓	↓
BRAM-47SW	7845	BRAM-47SW	5/13/02	1345	Kimberly Cobb	↓		↓	↓	↓
BRAM-48SW	7846	BRAM-48SW	5/15/02	0815	Kimberly Cobb	↓		↓	↓	↓
BRAM-49SW	7847	BRAM-49SW	5/15/02	0915	Kimberly Cobb	↓		↓	↓	↓
BRAM-50B	7849	BRAM-50B	5/15/02	0922	Kimberly Cobb	↓		↓	↓	↓

Relinquished by:[19]	Date/Time	Accepted By:	Date/Time
Kimberly Cobb		[signature]	5-16-02 2:10 P
Relinquished by:	Date/Time	Accepted By:	Date/Time
Seal/Locked by[20]	Date/Time	Seal/Lock Opened By:	Date/Time

Turnaround Requested[21]
- ☒ Routine (2 weeks)
- ☐ Rush (1 week)
- ☐ Emergency Rush (24-48 Hrs.)*

Date Results Requested: _____
*Additional Charges Will Apply

Sample Matrix[22] NC ☐ SC ☐
Ground Water ☐ NPDES ☐
Drinking Water ☐ UST ☐
RCRA Waste ☐ Other ☑

TEMP:[23]

Comments:[24]

Original – AL Files[25] Copy 1– AL Files Copy 2 – Client Copy

See Instructions on the back of this form.

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Form 89962 (9-97). Previously Form 35226

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Huntersville, NC 28078
Phone: (704) 875-5209/875-5245[1]
Fax: (704) 875-5038

LAB USE[8]

LIMS # 02-MAY-0417		Sample Class MGP
Logged By (Ini.)	Time	Date
TAS	0828	5/16/02

Vendored Samples

Vendor	Analysis

Vendor	P.O. #

Container Type: (✓)Glass ( )Plastic[13]

CLIENT[2]: Tim Hunsucker Report to/Ph.[4]:

Project Name[3]: Mail Code: MG03A3

FMIS #
Business Unit[4]: Resp. Center To: ~~4359~~ 0193
Project ID[5]: MGP BRAM
Activity ID[6]: All Actv
Process[7]:

Sample #[9]	Lab PROFS #[10]	Sample Description or ID[11]	Collection Information[12] Date	Time	Signature	GRAB[16]	COMP[17]	Preservative Added[14] HNO_3	H_2SO_4	Ice	Other	None	Analysis Required[15] EPA 8260	EPA [illegible]	TOTAL # OF CONTAINERS[18]
	2201														
BRAM-45B	7843	BRAM-45B	5/8/02	1450	Kim Cobb	X				✓			X	X	2
BRAM-46SW	7844	BRAM-46SW	5/8/02	1515	Kim Cobb	↓							↓	↓	↓
BRAM-47SW	7845	BRAM-47SW	5/13/02	1345	Kim Cobb										
BRAM-48SW	7846	BRAM-48SW	5/15/02	0815	Kim Cobb										
BRAM-49SW	7847	BRAM-49SW	5/15/02	0915	Kim Cobb										
BRAM-50B	7849	BRAM-50B	5/15/02	0922	Kim Cobb	↓							↓	↓	↓

Relinquished by:[19]	Date/Time	Accepted By:	Date/Time
Kim Cobb		[signature]	5-16-02 2:10 P
Relinquished by: Leroy Whisenant	Date/Time 5/17/02 10:55	Accepted By: [signature]	Date/Time 5-17-02 10:55
Seal/Locked by[20]	Date/Time	Seal/Lock Opened By:	Date/Time

Turnaround Requested[21]
- ☑ Routine (2 weeks)
- ☐ Rush (1 week)
- ☐ Emergency Rush (24-48 Hrs.)*

Date Results Requested: _____
*Additional Charges Will Apply

Sample Matrix[22] NC ☐ SC ☐
Ground Water ☐ NPDES ☐
Drinking Water ☐ UST ☐
RCRA Waste ☐ Other ☑

TEMP:[23]

Comments:[24] South Carolina Certification Required

Original – AL Files[25] Copy 1– AL Files Copy 2 – Client Copy

See Instructions on the back of this form.

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North Carolina Department of Health & Human Services Certification # **37804**
South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22017843** Job # : **02-MAY-0417**

Sample Description: **BRAM-45B**

Collection Date: **8-May-02 14:50:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

SVOC IN SOIL BY GC/MS - 8270

Test Code: **MS8270_S** Test Method: **SW-846 8270C** Date Posted: **06/04/02**

	Result	Reporting Limit	Flag
Pyridine	< 1.6 mg/Kg	1.6 mg/Kg	1
n-Nitrosodimethylamine	< 1.6 mg/Kg	1.6 mg/Kg	0
Aniline	< 1.6 mg/Kg	1.6 mg/Kg	1
Phenol	< 1.6 mg/Kg	1.6 mg/Kg	0
bis(2-Chloroethyl)ether	< 1.6 mg/Kg	1.6 mg/Kg	0
2-Chlorophenol	< 1.6 mg/Kg	1.6 mg/Kg	0
1,3-Dichlorobenzene	< 1.6 mg/Kg	1.6 mg/Kg	0
1,4-Dichlorobenzene	< 1.6 mg/Kg	1.6 mg/Kg	0
Benzyl alcohol	< 1.6 mg/Kg	1.6 mg/Kg	0
1,2-Dichlorobenzene	< 1.6 mg/Kg	1.6 mg/Kg	0
2-Methylphenol	< 1.6 mg/Kg	1.6 mg/Kg	0
bis(2-Chloroisopropyl)ether	< 1.6 mg/Kg	1.6 mg/Kg	0
4-Methylphenol	< 1.6 mg/Kg	1.6 mg/Kg	0
Hexachloroethane	< 1.6 mg/Kg	1.6 mg/Kg	1
n-Nitrosodi-n-propylamine	< 1.6 mg/Kg	1.6 mg/Kg	0
Nitrobenzene	< 1.6 mg/Kg	1.6 mg/Kg	0
Isophorone	< 1.6 mg/Kg	1.6 mg/Kg	0
2-Nitrophenol	< 1.6 mg/Kg	1.6 mg/Kg	0
2,4-Dimethylphenol	< 1.6 mg/Kg	1.6 mg/Kg	0
bis(2-Chloroethoxy)methane	< 1.6 mg/Kg	1.6 mg/Kg	0
2,4-Dichlorophenol	< 1.6 mg/Kg	1.6 mg/Kg	0
Benzoic acid	< 1.6 mg/Kg	1.6 mg/Kg	1
1,2,4-Trichlorobenzene	< 1.6 mg/Kg	1.6 mg/Kg	0
Naphthalene	< 1.6 mg/Kg	1.6 mg/Kg	0
4-Chloroaniline	< 1.6 mg/Kg	1.6 mg/Kg	1
Hexachlorobutadiene	< 1.6 mg/Kg	1.6 mg/Kg	0
4-Chloro-3-methylphenol	< 1.6 mg/Kg	1.6 mg/Kg	0
2-Methylnaphthalene	< 1.6 mg/Kg	1.6 mg/Kg	0
Hexachlorocyclopentadiene	< 4.1 mg/Kg	4.1 mg/Kg	1
2,4,6-Trichlorophenol	< 1.6 mg/Kg	1.6 mg/Kg	0
2,4,5-Trichlorophenol	< 1.6 mg/Kg	1.6 mg/Kg	0
2-Chloronaphthalene	< 1.6 mg/Kg	1.6 mg/Kg	0
2-Nitroaniline	< 1.6 mg/Kg	1.6 mg/Kg	0
Dimethylphthalate	< 1.6 mg/Kg	1.6 mg/Kg	0
Acenaphthylene	< 1.6 mg/Kg	1.6 mg/Kg	0
2,6-Dinitrotoluene	< 1.6 mg/Kg	1.6 mg/Kg	0
3-Nitroaniline	< 1.6 mg/Kg	1.6 mg/Kg	0
Acenaphthene	< 1.6 mg/Kg	1.6 mg/Kg	0

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North Carolina Department of Health & Human Services Certification # **37804**
South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22017843** Job # : **02-MAY-0417**

Sample Description: **BRAM-45B**

Collection Date: **8-May-02 14:50:00** Site : **BRAMLETT ST** Sample Type: **SOIL** Desktop #

SVOC IN SOIL BY GC/MS - 8270

Test Code: **MS8270_S** Test Method: **SW-846 8270C** Date Posted: **06/04/02**

	Result		Reporting Limit		Flag
2,4-Dinitrophenol	< 4.1	mg/Kg	4.1	mg/Kg	1
4-Nitrophenol	< 4.1	mg/Kg	4.1	mg/Kg	0
Dibenzofuran	< 1.6	mg/Kg	1.6	mg/Kg	0
2,4-Dinitrotoluene	< 1.6	mg/Kg	1.6	mg/Kg	0
Diethylphthalate	< 1.6	mg/Kg	1.6	mg/Kg	0
Fluorene	< 1.6	mg/Kg	1.6	mg/Kg	0
4-Chlorophenylphenylether	< 1.6	mg/Kg	1.6	mg/Kg	0
4-Nitroaniline	< 1.6	mg/Kg	1.6	mg/Kg	0
2-Methyl-4,6-dinitrophenol	< 4.1	mg/Kg	4.1	mg/Kg	1
n-Nitrosodiphenylamine	< 1.6	mg/Kg	1.6	mg/Kg	0
1,2-Diphenylhydrazine	< 1.6	mg/Kg	1.6	mg/Kg	0
4-Bromophenylphenylether	< 1.6	mg/Kg	1.6	mg/Kg	0
Hexachlorobenzene	< 1.6	mg/Kg	1.6	mg/Kg	0
Pentachlorophenol	< 4.1	mg/Kg	4.1	mg/Kg	0
Phenanthrene	< 1.6	mg/Kg	1.6	mg/Kg	0
Anthracene	< 1.6	mg/Kg	1.6	mg/Kg	1
di-n-Butylphthalate	2.3	mg/Kg	1.6	mg/Kg	1
Fluoranthene	< 1.6	mg/Kg	1.6	mg/Kg	1
Benzidine	< 13	mg/Kg	13	mg/Kg	1
Pyrene	< 1.6	mg/Kg	1.6	mg/Kg	0
Butylbenzylphthalate	< 1.6	mg/Kg	1.6	mg/Kg	0
3,3-Dichlorobenzidine	< 4.1	mg/Kg	4.1	mg/Kg	0
Benzo(a)anthracene	< 1.6	mg/Kg	1.6	mg/Kg	0
Chrysene	< 1.6	mg/Kg	1.6	mg/Kg	0
bis(2-Ethylhexyl)phthalate	< 1.6	mg/Kg	1.6	mg/Kg	0
di-n-Octylphthalate	< 1.6	mg/Kg	1.6	mg/Kg	0
Benzo(b)fluoranthene	< 1.6	mg/Kg	1.6	mg/Kg	0
Benzo(k)fluoranthene	< 1.6	mg/Kg	1.6	mg/Kg	0
Benzo(a)pyrene	< 1.6	mg/Kg	1.6	mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 1.6	mg/Kg	1.6	mg/Kg	0
Dibenzo(a,h)anthracene	< 1.6	mg/Kg	1.6	mg/Kg	1
Benzo(g,h,i)perylene	< 1.6	mg/Kg	1.6	mg/Kg	0

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South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22017844** Job # : **02-MAY-0417**

Sample Description: **BRAM-46 SW**

Collection Date: **8-May-02 15:15:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

SVOC IN SOIL BY GC/MS - 8270

Test Code: **MS8270_S** Test Method: **SW-846 8270C** Date Posted: **06/04/02**

	Result	Reporting Limit	Flag
Pyridine	< 1.6 mg/Kg	1.6 mg/Kg	1
n-Nitrosodimethylamine	< 1.6 mg/Kg	1.6 mg/Kg	0
Aniline	< 1.6 mg/Kg	1.6 mg/Kg	1
Phenol	< 1.6 mg/Kg	1.6 mg/Kg	0
bis(2-Chloroethyl)ether	< 1.6 mg/Kg	1.6 mg/Kg	0
2-Chlorophenol	< 1.6 mg/Kg	1.6 mg/Kg	0
1,3-Dichlorobenzene	< 1.6 mg/Kg	1.6 mg/Kg	0
1,4-Dichlorobenzene	< 1.6 mg/Kg	1.6 mg/Kg	0
Benzyl alcohol	< 1.6 mg/Kg	1.6 mg/Kg	0
1,2-Dichlorobenzene	< 1.6 mg/Kg	1.6 mg/Kg	0
2-Methylphenol	< 1.6 mg/Kg	1.6 mg/Kg	0
bis(2-Chloroisopropyl)ether	< 1.6 mg/Kg	1.6 mg/Kg	0
4-Methylphenol	< 1.6 mg/Kg	1.6 mg/Kg	0
Hexachloroethane	< 1.6 mg/Kg	1.6 mg/Kg	1
n-Nitrosodi-n-propylamine	< 1.6 mg/Kg	1.6 mg/Kg	0
Nitrobenzene	< 1.6 mg/Kg	1.6 mg/Kg	0
Isophorone	< 1.6 mg/Kg	1.6 mg/Kg	0
2-Nitrophenol	< 1.6 mg/Kg	1.6 mg/Kg	0
2,4-Dimethylphenol	< 1.6 mg/Kg	1.6 mg/Kg	0
bis(2-Chloroethoxy)methane	< 1.6 mg/Kg	1.6 mg/Kg	0
2,4-Dichlorophenol	< 1.6 mg/Kg	1.6 mg/Kg	0
Benzoic acid	< 1.6 mg/Kg	1.6 mg/Kg	1
1,2,4-Trichlorobenzene	< 1.6 mg/Kg	1.6 mg/Kg	0
Naphthalene	6.1 mg/Kg	1.6 mg/Kg	0
4-Chloroaniline	< 1.6 mg/Kg	1.6 mg/Kg	1
Hexachlorobutadiene	< 1.6 mg/Kg	1.6 mg/Kg	0
4-Chloro-3-methylphenol	< 1.6 mg/Kg	1.6 mg/Kg	0
2-Methylnaphthalene	2.9 mg/Kg	1.6 mg/Kg	0
Hexachlorocyclopentadiene	< 4.1 mg/Kg	4.1 mg/Kg	1
2,4,6-Trichlorophenol	< 1.6 mg/Kg	1.6 mg/Kg	0
2,4,5-Trichlorophenol	< 1.6 mg/Kg	1.6 mg/Kg	0
2-Chloronaphthalene	< 1.6 mg/Kg	1.6 mg/Kg	0
2-Nitroaniline	< 1.6 mg/Kg	1.6 mg/Kg	0
Dimethylphthalate	< 1.6 mg/Kg	1.6 mg/Kg	0
Acenaphthylene	45 mg/Kg	16 mg/Kg	0
2,6-Dinitrotoluene	< 1.6 mg/Kg	1.6 mg/Kg	0
3-Nitroaniline	< 1.6 mg/Kg	1.6 mg/Kg	0
Acenaphthene	2.9 mg/Kg	1.6 mg/Kg	0

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South Carolina (DHEC) Leboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22017844** Job # : **02-MAY-0417**

Sample Description: **BRAM-46 SW**

Collection Date: **8-May-02 15:15:00** Site : **BRAMLETT ST** Sample Type: **SOIL** Desktop #

SVOC IN SOIL BY GC/MS - 8270

Test Code: **MS8270_S** Test Method: **SW-846 8270C** Date Posted: **06/04/02**

	Result	Reporting Limit	Flag
2,4-Dinitrophenol	< 4.1 mg/Kg	4.1 mg/Kg	1
4-Nitrophenol	< 4.1 mg/Kg	4.1 mg/Kg	0
Dibenzofuran	2.7 mg/Kg	1.6 mg/Kg	0
2,4-Dinitrotoluene	< 1.6 mg/Kg	1.6 mg/Kg	0
Diethylphthalate	< 1.6 mg/Kg	1.6 mg/Kg	0
Fluorene	7.8 mg/Kg	1.6 mg/Kg	0
4-Chlorophenylphenylether	< 1.6 mg/Kg	1.6 mg/Kg	0
4-Nitroaniline	< 1.6 mg/Kg	1.6 mg/Kg	0
2-Methyl-4,6-dinitrophenol	< 4.1 mg/Kg	4.1 mg/Kg	1
n-Nitrosodiphenylamine	< 1.6 mg/Kg	1.6 mg/Kg	0
1,2-Diphenylhydrazine	< 1.6 mg/Kg	1.6 mg/Kg	0
4-Bromophenylphenylether	< 1.6 mg/Kg	1.6 mg/Kg	0
Hexachlorobenzene	< 1.6 mg/Kg	1.6 mg/Kg	0
Pentachlorophenol	< 4.1 mg/Kg	4.1 mg/Kg	0
Phenanthrene	22 mg/Kg	16 mg/Kg	0
Anthracene	14 mg/Kg	1.6 mg/Kg	1
di-n-Butylphthalate	4.9 mg/Kg	1.6 mg/Kg	1
Fluoranthene	160 mg/Kg	16 mg/Kg	1
Benzidine	< 13 mg/Kg	13 mg/Kg	1
Pyrene	250 mg/Kg	16 mg/Kg	2
Butylbenzylphthalate	< 1.6 mg/Kg	1.6 mg/Kg	0
3,3-Dichlorobenzidine	< 4.1 mg/Kg	4.1 mg/Kg	0
Benzo(a)anthracene	140 mg/Kg	16 mg/Kg	0
Chrysene	140 mg/Kg	16 mg/Kg	0
bis(2-Ethylhexyl)phthalate	< 1.6 mg/Kg	1.6 mg/Kg	0
di-n-Octylphthalate	< 1.6 mg/Kg	1.6 mg/Kg	0
Benzo(b)fluoranthene	120 mg/Kg	16 mg/Kg	0
Benzo(k)fluoranthene	130 mg/Kg	16 mg/Kg	0
Benzo(a)pyrene	180 mg/Kg	16 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	100 mg/Kg	16 mg/Kg	0
Dibenzo(a,h)anthracene	17 mg/Kg	16 mg/Kg	1
Benzo(g,h,i)perylene	100 mg/Kg	16 mg/Kg	0

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Sample ID # : **22017845** Job # : **02-MAY-0417**

Sample Description: **BRAM-47 SW**

Collection Date: **13-May-02 13:45:00** Site : **BRAMLETT ST** Sample Type: **SOIL** Desktop #

SVOC IN SOIL BY GC/MS - 8270

Test Code: **MS8270_S** Test Method: **SW-846 8270C** Date Posted: **06/04/02**

	Result	Reporting Limit	Flag
Pyridine	< 1.6 mg/Kg	1.6 mg/Kg	1
n-Nitrosodimethylamine	< 1.6 mg/Kg	1.6 mg/Kg	0
Aniline	< 1.6 mg/Kg	1.6 mg/Kg	1
Phenol	< 1.6 mg/Kg	1.6 mg/Kg	0
bis(2-Chloroethyl)ether	< 1.6 mg/Kg	1.6 mg/Kg	0
2-Chlorophenol	< 1.6 mg/Kg	1.6 mg/Kg	0
1,3-Dichlorobenzene	< 1.6 mg/Kg	1.6 mg/Kg	0
1,4-Dichlorobenzene	< 1.6 mg/Kg	1.6 mg/Kg	0
Benzyl alcohol	< 1.6 mg/Kg	1.6 mg/Kg	0
1,2-Dichlorobenzene	< 1.6 mg/Kg	1.6 mg/Kg	0
2-Methylphenol	< 1.6 mg/Kg	1.6 mg/Kg	0
bis(2-Chloroisopropyl)ether	< 1.6 mg/Kg	1.6 mg/Kg	0
4-Methylphenol	< 1.6 mg/Kg	1.6 mg/Kg	0
Hexachloroethane	< 1.6 mg/Kg	1.6 mg/Kg	1
n-Nitrosodi-n-propylamine	< 1.6 mg/Kg	1.6 mg/Kg	0
Nitrobenzene	< 1.6 mg/Kg	1.6 mg/Kg	0
Isophorone	< 1.6 mg/Kg	1.6 mg/Kg	0
2-Nitrophenol	< 1.6 mg/Kg	1.6 mg/Kg	0
2,4-Dimethylphenol	< 1.6 mg/Kg	1.6 mg/Kg	0
bis(2-Chloroethoxy)methane	< 1.6 mg/Kg	1.6 mg/Kg	0
2,4-Dichlorophenol	< 1.6 mg/Kg	1.6 mg/Kg	0
Benzoic acid	< 1.6 mg/Kg	1.6 mg/Kg	1
1,2,4-Trichlorobenzene	< 1.6 mg/Kg	1.6 mg/Kg	0
Naphthalene	< 1.6 mg/Kg	1.6 mg/Kg	0
4-Chloroaniline	< 1.6 mg/Kg	1.6 mg/Kg	1
Hexachlorobutadiene	< 1.6 mg/Kg	1.6 mg/Kg	0
4-Chloro-3-methylphenol	< 1.6 mg/Kg	1.6 mg/Kg	0
2-Methylnaphthalene	< 1.6 mg/Kg	1.6 mg/Kg	0
Hexachlorocyclopentadiene	< 4.1 mg/Kg	4.1 mg/Kg	1
2,4,6-Trichlorophenol	< 1.6 mg/Kg	1.6 mg/Kg	0
2,4,5-Trichlorophenol	< 1.6 mg/Kg	1.6 mg/Kg	0
2-Chloronaphthalene	< 1.6 mg/Kg	1.6 mg/Kg	0
2-Nitroaniline	< 1.6 mg/Kg	1.6 mg/Kg	0
Dimethylphthalate	< 1.6 mg/Kg	1.6 mg/Kg	0
Acenaphthylene	< 16 mg/Kg	16 mg/Kg	0
2,6-Dinitrotoluene	< 1.6 mg/Kg	1.6 mg/Kg	0
3-Nitroaniline	< 1.6 mg/Kg	1.6 mg/Kg	0
Acenaphthene	< 1.6 mg/Kg	1.6 mg/Kg	0

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South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22017845** Job # : **02-MAY-0417**

Sample Description: **BRAM-47 SW**

Collection Date: **13-May-02 13:45:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

SVOC IN SOIL BY GC/MS - 8270

Test Code: **MS8270_S** Test Method: **SW-846 8270C** Date Posted: **06/04/02**

	Result		Reporting Limit		Flag
2,4-Dinitrophenol	< 4.1	mg/Kg	4.1	mg/Kg	1
4-Nitrophenol	< 4.1	mg/Kg	4.1	mg/Kg	0
Dibenzofuran	< 1.6	mg/Kg	1.6	mg/Kg	0
2,4-Dinitrotoluene	< 1.6	mg/Kg	1.6	mg/Kg	0
Diethylphthalate	< 1.6	mg/Kg	1.6	mg/Kg	0
Fluorene	< 1.6	mg/Kg	1.6	mg/Kg	0
4-Chlorophenylphenylether	< 1.6	mg/Kg	1.6	mg/Kg	0
4-Nitroaniline	< 1.6	mg/Kg	1.6	mg/Kg	0
2-Methyl-4,6-dinitrophenol	< 4.1	mg/Kg	4.1	mg/Kg	1
n-Nitrosodiphenylamine	< 1.6	mg/Kg	1.6	mg/Kg	0
1,2-Diphenylhydrazine	< 1.6	mg/Kg	1.6	mg/Kg	0
4-Bromophenylphenylether	< 1.6	mg/Kg	1.6	mg/Kg	0
Hexachlorobenzene	< 1.6	mg/Kg	1.6	mg/Kg	0
Pentachlorophenol	< 4.1	mg/Kg	4.1	mg/Kg	0
Phenanthrene	28	mg/Kg	11	mg/Kg	0
Anthracene	< 1.6	mg/Kg	1.6	mg/Kg	1
di-n-Butylphthalate	< 1.6	mg/Kg	1.6	mg/Kg	1
Fluoranthene	43	mg/Kg	11	mg/Kg	1
Benzidine	< 13	mg/Kg	13	mg/Kg	1
Pyrene	48	mg/Kg	11	mg/Kg	0
Butylbenzylphthalate	< 1.6	mg/Kg	1.6	mg/Kg	0
3,3-Dichlorobenzidine	< 4.1	mg/Kg	4.1	mg/Kg	0
Benzo(a)anthracene	27	mg/Kg	11	mg/Kg	0
Chrysene	29	mg/Kg	11	mg/Kg	0
bis(2-Ethylhexyl)phthalate	< 1.6	mg/Kg	1.6	mg/Kg	0
di-n-Octylphthalate	< 1.6	mg/Kg	1.6	mg/Kg	0
Benzo(b)fluoranthene	23	mg/Kg	11	mg/Kg	0
Benzo(k)fluoranthene	26	mg/Kg	11	mg/Kg	0
Benzo(a)pyrene	25	mg/Kg	11	mg/Kg	0
Indeno(1,2,3-c,d)pyrene	22	mg/Kg	11	mg/Kg	0
Dibenzo(a,h)anthracene	< 16	mg/Kg	16	mg/Kg	1
Benzo(g,h,i)perylene	21	mg/Kg	11	mg/Kg	0

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South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22017846** Job # : **02-MAY-0417**

Sample Description: **BRAM-48 SW**

Collection Date: **15-May-02 08:15:00** Site : **BRAMLETT ST** Sample Type: **SOIL** Desktop #

SVOC IN SOIL BY GC/MS - 8270

Test Code: **MS8270_S** Test Method: **SW-846 8270C** Date Posted: **06/04/02**

	Result	Reporting Limit	Flag
Pyridine	< 1.2 mg/Kg	1.2 mg/Kg	1
n-Nitrosodimethylamine	< 1.2 mg/Kg	1.2 mg/Kg	1
Aniline	< 1.2 mg/Kg	1.2 mg/Kg	1
Phenol	< 1.2 mg/Kg	1.2 mg/Kg	1
bis(2-Chloroethyl)ether	< 1.2 mg/Kg	1.2 mg/Kg	1
2-Chlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	1
1,3-Dichlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	1
1,4-Dichlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	1
Benzyl alcohol	< 1.2 mg/Kg	1.2 mg/Kg	1
1,2-Dichlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	1
2-Methylphenol	< 1.2 mg/Kg	1.2 mg/Kg	1
bis(2-Chloroisopropyl)ether	< 1.2 mg/Kg	1.2 mg/Kg	1
4-Methylphenol	< 1.2 mg/Kg	1.2 mg/Kg	1
Hexachloroethane	< 1.2 mg/Kg	1.2 mg/Kg	1
n-Nitrosodi-n-propylamine	< 1.2 mg/Kg	1.2 mg/Kg	1
Nitrobenzene	< 1.2 mg/Kg	1.2 mg/Kg	1
Isophorone	< 1.2 mg/Kg	1.2 mg/Kg	1
2-Nitrophenol	< 1.2 mg/Kg	1.2 mg/Kg	1
2,4-Dimethylphenol	< 1.2 mg/Kg	1.2 mg/Kg	1
bis(2-Chloroethoxy)methane	< 1.2 mg/Kg	1.2 mg/Kg	1
2,4-Dichlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	1
Benzoic acid	< 1.2 mg/Kg	1.2 mg/Kg	1
1,2,4-Trichlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	1
Naphthalene	< 1.2 mg/Kg	1.2 mg/Kg	1
4-Chloroaniline	< 1.2 mg/Kg	1.2 mg/Kg	1
Hexachlorobutadiene	< 1.2 mg/Kg	1.2 mg/Kg	1
4-Chloro-3-methylphenol	< 1.2 mg/Kg	1.2 mg/Kg	1
2-Methylnaphthalene	< 1.2 mg/Kg	1.2 mg/Kg	1
Hexachlorocyclopentadiene	< 3.1 mg/Kg	3.1 mg/Kg	1
2,4,6-Trichlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	1
2,4,5-Trichlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	1
2-Chloronaphthalene	< 1.2 mg/Kg	1.2 mg/Kg	1
2-Nitroaniline	< 1.2 mg/Kg	1.2 mg/Kg	1
Dimethylphthalate	< 1.2 mg/Kg	1.2 mg/Kg	1
Acenaphthylene	< 1.2 mg/Kg	1.2 mg/Kg	1
2,6-Dinitrotoluene	< 1.2 mg/Kg	1.2 mg/Kg	1
3-Nitroaniline	< 1.2 mg/Kg	1.2 mg/Kg	1
Acenaphthene	< 1.2 mg/Kg	1.2 mg/Kg	1

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North Carolina Department of Health & Human Services Certification # **37804**
South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22017846** Job # : **02-MAY-0417**

Sample Description: **BRAM-48 SW**

Collection Date: **15-May-02 08:15:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

SVOC IN SOIL BY GC/MS - 8270

Test Code: **MS8270_S** Test Method: **SW-846 8270C** Date Posted: **06/04/02**

	Result	Reporting Limit	Flag
2,4-Dinitrophenol	< 3.1 mg/Kg	3.1 mg/Kg	1
4-Nitrophenol	< 3.1 mg/Kg	3.1 mg/Kg	1
Dibenzofuran	< 1.2 mg/Kg	1.2 mg/Kg	1
2,4-Dinitrotoluene	< 1.2 mg/Kg	1.2 mg/Kg	1
Diethylphthalate	< 1.2 mg/Kg	1.2 mg/Kg	1
Fluorene	< 1.2 mg/Kg	1.2 mg/Kg	1
4-Chlorophenylphenylether	< 1.2 mg/Kg	1.2 mg/Kg	1
4-Nitroaniline	< 1.2 mg/Kg	1.2 mg/Kg	1
2-Methyl-4,6-dinitrophenol	< 3.1 mg/Kg	3.1 mg/Kg	1
n-Nitrosodiphenylamine	< 1.2 mg/Kg	1.2 mg/Kg	1
1,2-Diphenylhydrazine	< 1.2 mg/Kg	1.2 mg/Kg	1
4-Bromophenylphenylether	< 1.2 mg/Kg	1.2 mg/Kg	1
Hexachlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	1
Pentachlorophenol	< 3.1 mg/Kg	3.1 mg/Kg	1
Phenanthrene	5.9 mg/Kg	1.2 mg/Kg	1
Anthracene	< 1.2 mg/Kg	1.2 mg/Kg	1
di-n-Butylphthalate	3.2 mg/Kg	1.2 mg/Kg	1
Fluoranthene	8.7 mg/Kg	1.2 mg/Kg	1
Benzidine	< 9.9 mg/Kg	9.9 mg/Kg	1
Pyrene	7.8 mg/Kg	1.2 mg/Kg	1
Butylbenzylphthalate	< 1.2 mg/Kg	1.2 mg/Kg	1
3,3-Dichlorobenzidine	< 3.1 mg/Kg	3.1 mg/Kg	1
Benzo(a)anthracene	4.7 mg/Kg	1.2 mg/Kg	1
Chrysene	5.1 mg/Kg	1.2 mg/Kg	1
bis(2-Ethylhexyl)phthalate	< 1.2 mg/Kg	1.2 mg/Kg	1
di-n-Octylphthalate	< 1.2 mg/Kg	1.2 mg/Kg	1
Benzo(b)fluoranthene	4.7 mg/Kg	1.2 mg/Kg	1
Benzo(k)fluoranthene	4.9 mg/Kg	1.2 mg/Kg	1
Benzo(a)pyrene	4.4 mg/Kg	1.2 mg/Kg	1
Indeno(1,2,3-c,d)pyrene	4.3 mg/Kg	1.2 mg/Kg	1
Dibenzo(a,h)anthracene	< 1.2 mg/Kg	1.2 mg/Kg	1
Benzo(g,h,i)perylene	4.1 mg/Kg	1.2 mg/Kg	1

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South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22017847** Job # : **02-MAY-0417**

Sample Description: **BRAM-49 SW**

Collection Date: **15-May-02 09:15:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

SVOC IN SOIL BY GC/MS - 8270

Test Code: **MS8270_S** Test Method: **SW-846 8270C** Date Posted: **06/04/02**

	Result	Reporting Limit	Flag
Pyridine	< 1.7 mg/Kg	1.7 mg/Kg	1
n-Nitrosodimethylamine	< 1.7 mg/Kg	1.7 mg/Kg	0
Aniline	< 1.7 mg/Kg	1.7 mg/Kg	1
Phenol	< 1.7 mg/Kg	1.7 mg/Kg	0
bis(2-Chloroethyl)ether	< 1.7 mg/Kg	1.7 mg/Kg	0
2-Chlorophenol	< 1.7 mg/Kg	1.7 mg/Kg	0
1,3-Dichlorobenzene	< 1.7 mg/Kg	1.7 mg/Kg	0
1,4-Dichlorobenzene	< 1.7 mg/Kg	1.7 mg/Kg	0
Benzyl alcohol	< 1.7 mg/Kg	1.7 mg/Kg	0
1,2-Dichlorobenzene	< 1.7 mg/Kg	1.7 mg/Kg	0
2-Methylphenol	< 1.7 mg/Kg	1.7 mg/Kg	0
bis(2-Chloroisopropyl)ether	< 1.7 mg/Kg	1.7 mg/Kg	0
4-Methylphenol	< 1.7 mg/Kg	1.7 mg/Kg	0
Hexachloroethane	< 1.7 mg/Kg	1.7 mg/Kg	1
n-Nitrosodi-n-propylamine	< 1.7 mg/Kg	1.7 mg/Kg	0
Nitrobenzene	< 1.7 mg/Kg	1.7 mg/Kg	0
Isophorone	< 1.7 mg/Kg	1.7 mg/Kg	0
2-Nitrophenol	< 1.7 mg/Kg	1.7 mg/Kg	0
2,4-Dimethylphenol	< 1.7 mg/Kg	1.7 mg/Kg	0
bis(2-Chloroethoxy)methane	< 1.7 mg/Kg	1.7 mg/Kg	0
2,4-Dichlorophenol	< 1.7 mg/Kg	1.7 mg/Kg	0
Benzoic acid	< 1.7 mg/Kg	1.7 mg/Kg	1
1,2,4-Trichlorobenzene	< 1.7 mg/Kg	1.7 mg/Kg	0
Naphthalene	290 mg/Kg	17 mg/Kg	2
4-Chloroaniline	< 1.7 mg/Kg	1.7 mg/Kg	1
Hexachlorobutadiene	< 1.7 mg/Kg	1.7 mg/Kg	0
4-Chloro-3-methylphenol	< 1.7 mg/Kg	1.7 mg/Kg	0
2-Methylnaphthalene	70 mg/Kg	17 mg/Kg	0
Hexachlorocyclopentadiene	< 4.1 mg/Kg	4.1 mg/Kg	1
2,4,6-Trichlorophenol	< 1.7 mg/Kg	1.7 mg/Kg	0
2,4,5-Trichlorophenol	< 1.7 mg/Kg	1.7 mg/Kg	0
2-Chloronaphthalene	< 1.7 mg/Kg	1.7 mg/Kg	0
2-Nitroaniline	< 1.7 mg/Kg	1.7 mg/Kg	0
Dimethylphthalate	< 1.7 mg/Kg	1.7 mg/Kg	0
Acenaphthylene	9.5 mg/Kg	1.7 mg/Kg	0
2,6-Dinitrotoluene	< 1.7 mg/Kg	1.7 mg/Kg	0
3-Nitroaniline	< 1.7 mg/Kg	1.7 mg/Kg	0
Acenaphthene	63 mg/Kg	17 mg/Kg	0

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North Carolina Department of Health & Human Services Certification # **37804**
South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22017847** Job # : **02-MAY-0417**

Sample Description: **BRAM-49 SW**

Collection Date: **15-May-02 09:15:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

SVOC IN SOIL BY GC/MS - 8270

Test Code: **MS8270_S** Test Method: **SW-846 8270C** Date Posted: **06/04/02**

	Result	Reporting Limit	Flag
2,4-Dinitrophenol	< 4.1 mg/Kg	4.1 mg/Kg	1
4-Nitrophenol	< 4.1 mg/Kg	4.1 mg/Kg	0
Dibenzofuran	38 mg/Kg	17 mg/Kg	0
2,4-Dinitrotoluene	< 1.7 mg/Kg	1.7 mg/Kg	0
Diethylphthalate	< 1.7 mg/Kg	1.7 mg/Kg	0
Fluorene	42 mg/Kg	17 mg/Kg	0
4-Chlorophenylphenylether	< 1.7 mg/Kg	1.7 mg/Kg	0
4-Nitroaniline	< 1.7 mg/Kg	1.7 mg/Kg	0
2-Methyl-4,6-dinitrophenol	< 4.1 mg/Kg	4.1 mg/Kg	1
n-Nitrosodiphenylamine	< 1.7 mg/Kg	1.7 mg/Kg	0
1,2-Diphenylhydrazine	< 1.7 mg/Kg	1.7 mg/Kg	0
4-Bromophenylphenylether	< 1.7 mg/Kg	1.7 mg/Kg	0
Hexachlorobenzene	< 1.7 mg/Kg	1.7 mg/Kg	0
Pentachlorophenol	< 4.1 mg/Kg	4.1 mg/Kg	0
Phenanthrene	130 mg/Kg	17 mg/Kg	0
Anthracene	31 mg/Kg	17 mg/Kg	1
di-n-Butylphthalate	4.4 mg/Kg	1.7 mg/Kg	1
Fluoranthene	62 mg/Kg	17 mg/Kg	1
Benzidine	< 13 mg/Kg	13 mg/Kg	1
Pyrene	68 mg/Kg	17 mg/Kg	0
Butylbenzylphthalate	< 1.7 mg/Kg	1.7 mg/Kg	0
3,3-Dichlorobenzidine	< 4.1 mg/Kg	4.1 mg/Kg	0
Benzo(a)anthracene	30 mg/Kg	17 mg/Kg	0
Chrysene	29 mg/Kg	17 mg/Kg	0
bis(2-Ethylhexyl)phthalate	< 1.7 mg/Kg	1.7 mg/Kg	0
di-n-Octylphthalate	< 1.7 mg/Kg	1.7 mg/Kg	0
Benzo(b)fluoranthene	17 mg/Kg	17 mg/Kg	0
Benzo(k)fluoranthene	19 mg/Kg	1.7 mg/Kg	0
Benzo(a)pyrene	28 mg/Kg	17 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	16 mg/Kg	1.7 mg/Kg	0
Dibenzo(a,h)anthracene	7.3 mg/Kg	1.7 mg/Kg	1
Benzo(g,h,i)perylene	16 mg/Kg	1.7 mg/Kg	0

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Sample ID # : **22017849** Job # : **02-MAY-0417**

Sample Description: **BRAM-50 B**

Collection Date: **15-May-02 09:22:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

SVOC IN SOIL BY GC/MS - 8270

Test Code: **MS8270_S** Test Method: **SW-846 8270C** Date Posted: **06/04/02**

	Result	Reporting Limit	Flag
Pyridine	< 1.3 mg/Kg	1.3 mg/Kg	1
n-Nitrosodimethylamine	< 1.3 mg/Kg	1.3 mg/Kg	0
Aniline	< 1.3 mg/Kg	1.3 mg/Kg	1
Phenol	< 1.3 mg/Kg	1.3 mg/Kg	0
bis(2-Chloroethyl)ether	< 1.3 mg/Kg	1.3 mg/Kg	0
2-Chlorophenol	< 1.3 mg/Kg	1.3 mg/Kg	0
1,3-Dichlorobenzene	< 1.3 mg/Kg	1.3 mg/Kg	0
1,4-Dichlorobenzene	< 1.3 mg/Kg	1.3 mg/Kg	0
Benzyl alcohol	< 1.3 mg/Kg	1.3 mg/Kg	0
1,2-Dichlorobenzene	< 1.3 mg/Kg	1.3 mg/Kg	0
2-Methylphenol	< 1.3 mg/Kg	1.3 mg/Kg	0
bis(2-Chloroisopropyl)ether	< 1.3 mg/Kg	1.3 mg/Kg	0
4-Methylphenol	< 1.3 mg/Kg	1.3 mg/Kg	0
Hexachloroethane	< 1.3 mg/Kg	1.3 mg/Kg	1
n-Nitrosodi-n-propylamine	< 1.3 mg/Kg	1.3 mg/Kg	0
Nitrobenzene	< 1.3 mg/Kg	1.3 mg/Kg	0
Isophorone	< 1.3 mg/Kg	1.3 mg/Kg	0
2-Nitrophenol	< 1.3 mg/Kg	1.3 mg/Kg	0
2,4-Dimethylphenol	< 1.3 mg/Kg	1.3 mg/Kg	0
bis(2-Chloroethoxy)methane	< 1.3 mg/Kg	1.3 mg/Kg	0
2,4-Dichlorophenol	< 1.3 mg/Kg	1.3 mg/Kg	0
Benzoic acid	< 1.3 mg/Kg	1.3 mg/Kg	1
1,2,4-Trichlorobenzene	< 1.3 mg/Kg	1.3 mg/Kg	0
Naphthalene	48 mg/Kg	13 mg/Kg	0
4-Chloroaniline	< 1.3 mg/Kg	1.3 mg/Kg	1
Hexachlorobutadiene	< 1.3 mg/Kg	1.3 mg/Kg	0
4-Chloro-3-methylphenol	< 1.3 mg/Kg	1.3 mg/Kg	0
2-Methylnaphthalene	8.2 mg/Kg	1.3 mg/Kg	0
Hexachlorocyclopentadiene	< 3.2 mg/Kg	3.2 mg/Kg	1
2,4,6-Trichlorophenol	< 1.3 mg/Kg	1.3 mg/Kg	0
2,4,5-Trichlorophenol	< 1.3 mg/Kg	1.3 mg/Kg	0
2-Chloronaphthalene	< 1.3 mg/Kg	1.3 mg/Kg	0
2-Nitroaniline	< 1.3 mg/Kg	1.3 mg/Kg	0
Dimethylphthalate	< 1.3 mg/Kg	1.3 mg/Kg	0
Acenaphthylene	3.6 mg/Kg	1.3 mg/Kg	0
2,6-Dinitrotoluene	< 1.3 mg/Kg	1.3 mg/Kg	0
3-Nitroaniline	< 1.3 mg/Kg	1.3 mg/Kg	0
Acenaphthene	1.6 mg/Kg	1.3 mg/Kg	0

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Sample ID # : **22017849** Job # : **02-MAY-0417**

Sample Description: **BRAM-50 B**

Collection Date: **15-May-02 09:22:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

SVOC IN SOIL BY GC/MS - 8270

Test Code: **MS8270_S** Test Method: **SW-846 8270C** Date Posted: **06/04/02**

	Result	Reporting Limit	Flag
2,4-Dinitrophenol	< 3.2 mg/Kg	3.2 mg/Kg	1
4-Nitrophenol	< 3.2 mg/Kg	3.2 mg/Kg	0
Dibenzofuran	3.9 mg/Kg	1.3 mg/Kg	0
2,4-Dinitrotoluene	< 1.3 mg/Kg	1.3 mg/Kg	0
Diethylphthalate	< 1.3 mg/Kg	1.3 mg/Kg	0
Fluorene	3.4 mg/Kg	1.3 mg/Kg	0
4-Chlorophenylphenylether	< 1.3 mg/Kg	1.3 mg/Kg	0
4-Nitroaniline	< 1.3 mg/Kg	1.3 mg/Kg	0
2-Methyl-4,6-dinitrophenol	< 3.2 mg/Kg	3.2 mg/Kg	1
n-Nitrosodiphenylamine	< 1.3 mg/Kg	1.3 mg/Kg	0
1,2-Diphenylhydrazine	< 1.3 mg/Kg	1.3 mg/Kg	0
4-Bromophenylphenylether	< 1.3 mg/Kg	1.3 mg/Kg	0
Hexachlorobenzene	< 1.3 mg/Kg	1.3 mg/Kg	0
Pentachlorophenol	< 3.2 mg/Kg	3.2 mg/Kg	0
Phenanthrene	7.3 mg/Kg	1.3 mg/Kg	0
Anthracene	1.3 mg/Kg	1.3 mg/Kg	1
di-n-Butylphthalate	3.6 mg/Kg	1.3 mg/Kg	1
Fluoranthene	2.2 mg/Kg	1.3 mg/Kg	1
Benzidine	< 10 mg/Kg	10 mg/Kg	1
Pyrene	2.2 mg/Kg	1.3 mg/Kg	0
Butylbenzylphthalate	< 1.3 mg/Kg	1.3 mg/Kg	0
3,3-Dichlorobenzidine	< 3.2 mg/Kg	3.2 mg/Kg	0
Benzo(a)anthracene	< 1.3 mg/Kg	1.3 mg/Kg	0
Chrysene	< 1.3 mg/Kg	1.3 mg/Kg	0
bis(2-Ethylhexyl)phthalate	< 1.3 mg/Kg	1.3 mg/Kg	0
di-n-Octylphthalate	< 1.3 mg/Kg	1.3 mg/Kg	0
Benzo(b)fluoranthene	< 1.3 mg/Kg	1.3 mg/Kg	0
Benzo(k)fluoranthene	< 1.3 mg/Kg	1.3 mg/Kg	0
Benzo(a)pyrene	< 1.3 mg/Kg	1.3 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 1.3 mg/Kg	1.3 mg/Kg	0
Dibenzo(a,h)anthracene	< 1.3 mg/Kg	1.3 mg/Kg	1

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Sample ID # : **22017849** Job # : **02-MAY-0417**

Sample Description: **BRAM-50 B**

Collection Date: **15-May-02 09:22:00** Site : BRAMLETT ST Sample Type: SOIL Desktop #

SVOC IN SOIL BY GC/MS - 8270

Test Code: **MS8270_S** Test Method: **SW-846 8270C** Date Posted: **06/04/02**

	Result	Reporting Limit	Flag
Benzo(g,h,i)perylene	< 1.3 mg/Kg	1.3 mg/Kg	0

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration, *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration.
7 - Reported concentration is the combination of more that one aroclor. (Reported Aroclor is the Aroclor of highest concentration in the sample)

Troy Whisenant 6/5/02
Data Reported By, Date

Duke Energy SM

8270/625 Analysis Case Narrative

(This document must accompany release of Analytical Data)

LIMS Job # ***02-MAY-0417***

Worklist # ***02-MAY-0467***

- *The percent recovery for anthracene, fluoranthene, and dibenzo(a,h)anthracene in the Laboratory Control Sample did not meet the laboratory control limits. The results for these analytes should be considered as estimates for all samples.*
- *The percent recovery and the average percent recovery for several compounds in the Matrix Spike and Matrix Spike Duplicate did not meet the laboratory control limits. The results for these analytes should be considered as estimates for sample 22017846.*
- *The relative percent difference for several compounds in the Matrix Spike and Matrix Spike Duplicate samples exceeded the laboratory control limit of 20%.*
- *The result reported for pyrene should be considered an estimate in sample 22017844 due to the calculated concentration being outside of the calibration range.*
- *The result reported for naphthalene should be considered an estimate in sample 22017847 due to the calculated concentration being outside of the calibration range.*
- *The following compounds often exhibit recoveries lower than 50%: pyridine, aniline, hexachloroethane, benzoic acid, 4-chloroaniline, hexachlorocyclopentadiene, 2,4-dinitrophenol, 2-methyl-4,6-dinitrophenol and benzidine. Because of the potential for low recovery for these compounds, all results for these compounds should be considered as estimates.*
- *Any and all results for benzidine should be considered as estimates. This compound is difficult to accurately quantify by this methodology. This compound often fails calibration criteria, spike recovery criteria and method detection limit criteria.*
- *Any concentrations reported for phthalates including di-n-butylphthalate, bis(2-ethylhexyl)phthalate and di-n-octylphthalate should be considered as estimates. These compounds can be found in sample containers, sampling equipment and laboratory processing materials.*

Richard L. Engel

Analyst Signature

Richard L. Engel

Duke Energy Analytical Laboratory Services

Environment, Health & Safety Services
Phone 704-875-5245
FAX 704-875-5038

Environmental Center – MG03A2
13339 Hagers Ferry Road
Huntersville NC 28078-7929

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

June 04, 2002

Mr. Troy Whisenant
Duke Power
13339 Hagers Ferry Road
MG03A2
Huntersville, NC 28078

RE: Lab Project Number: 9232942
Client Project ID: 02-MAY-0417/MR1637757

Dear Mr. Whisenant:

Enclosed are the analytical results for sample(s) received by the laboratory on May 17, 2002. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Kristi R. Tart

Kristi Tart
Kristi.Tart@pacelabs.com
Project Manager

Enclosures

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Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 9232942
Client Project ID: 02-MAY-0417/MR1637757

Solid results are reported on a dry weight basis

Lab Sample No: 922270459 Project Sample Number: 9232942-001 Date Collected: 05/08/02 14:50
Client Sample ID: 22017843/BRAM-45 B Matrix: Soil Date Received: 05/17/02 10:55

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	40.8	%		1.0	05/17/02	HEH			
GC/MS Volatiles									
GC/MS VOCs by 8260, low level	Method: EPA 8260								
Benzene	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	71-43-2		
Bromobenzene	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	108-86-1		
Bromochloromethane	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	74-97-5		
Bromodichloromethane	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	75-27-4		
Bromoform	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	75-25-2		
Bromomethane	ND	ug/kg	17.	1.7	05/21/02 00:59	BCK	74-83-9		
n-Butylbenzene	11.	ug/kg	8.4	1.7	05/21/02 00:59	BCK	104-51-8	1	
sec-Butylbenzene	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	135-98-8		
tert-Butylbenzene	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	98-06-6		
Carbon tetrachloride	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	56-23-5		
Chlorobenzene	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	108-90-7		
Chloroethane	ND	ug/kg	17.	1.7	05/21/02 00:59	BCK	75-00-3		
Chloroform	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	67-66-3		
Chloromethane	ND	ug/kg	17.	1.7	05/21/02 00:59	BCK	74-87-3		
2-Chlorotoluene	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	95-49-8		
4-Chlorotoluene	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	96-12-8		
Dibromochloromethane	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	106-93-4		
Dibromomethane	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	17.	1.7	05/21/02 00:59	BCK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	75-34-3		
1,2-Dichloroethane	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	594-20-7		

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9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
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Fax: 704.875.9091

Lab Project Number: 9232942
Client Project ID: 02-MAY-0417/MR1637757

Lab Sample No: 922270459 Project Sample Number: 9232942-001 Date Collected: 05/08/02 14:50
Client Sample ID: 22017843/BRAM-45 B Matrix: Soil Date Received: 05/17/02 10:55

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,1-Dichloropropene	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	563-58-6		
Diisopropyl ether	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	108-20-3		
Ethylbenzene	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	87-68-3		
Isopropylbenzene (Cumene)	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	98-82-8		
p-Isopropyltoluene	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	99-87-6		
Methylene chloride	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	75-09-2		
Methyl-tert-butyl ether	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	1634-04-4		
Naphthalene	13.	ug/kg	8.4	1.7	05/21/02 00:59	BCK	91-20-3	1	
n-Propylbenzene	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	103-65-1		
Styrene	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	79-34-5		
Tetrachloroethene	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	127-18-4		
Toluene	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	79-00-5		
Trichloroethene	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	108-67-8		
Vinyl chloride	ND	ug/kg	17.	1.7	05/21/02 00:59	BCK	75-01-4		
m&p-Xylene	ND	ug/kg	17.	1.7	05/21/02 00:59	BCK			
o-Xylene	ND	ug/kg	8.4	1.7	05/21/02 00:59	BCK	95-47-6		
Toluene-d8 (S)	96	%		1.0	05/21/02 00:59	BCK	2037-26-5		
4-Bromofluorobenzene (S)	87	%		1.0	05/21/02 00:59	BCK	460-00-4		
Dibromofluoromethane (S)	97	%		1.0	05/21/02 00:59	BCK			
1,2-Dichloroethane-d4 (S)	84	%		1.0	05/21/02 00:59	BCK	17060-07-0		

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9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 9232942
Client Project ID: 02-MAY-0417/MR1637757

Lab Sample No: 922270467 Project Sample Number: 9232942-002 Date Collected: 05/08/02 15:15
Client Sample ID: 22017844/BRAM-46 SW Matrix: Soil Date Received: 05/17/02 10:55

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	39.8	%		1.0	05/17/02	HEH			
GC/MS Volatiles									
GC/MS VOCs by 8260, low level	Method: EPA 8260								
Benzene	8.9	ug/kg	8.3	1.7	05/18/02 23:36	RWS	71-43-2		
Bromobenzene	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	108-86-1		
Bromochloromethane	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	74-97-5		
Bromodichloromethane	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	75-27-4		
Bromoform	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	75-25-2		
Bromomethane	ND	ug/kg	17.	1.7	05/18/02 23:36	RWS	74-83-9		
n-Butylbenzene	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	104-51-8		
sec-Butylbenzene	10.	ug/kg	8.3	1.7	05/18/02 23:36	RWS	135-98-8	1	
tert-Butylbenzene	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	98-06-6		
Carbon tetrachloride	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	56-23-5		
Chlorobenzene	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	108-90-7		
Chloroethane	ND	ug/kg	17.	1.7	05/18/02 23:36	RWS	75-00-3		
Chloroform	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	67-66-3		
Chloromethane	ND	ug/kg	17.	1.7	05/18/02 23:36	RWS	74-87-3		
2-Chlorotoluene	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	95-49-8		
4-Chlorotoluene	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	96-12-8		
Dibromochloromethane	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	106-93-4		
Dibromomethane	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	17.	1.7	05/18/02 23:36	RWS	75-71-8		
1,1-Dichloroethane	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	75-34-3		
1,2-Dichloroethane	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	107-06-2		
1,1-Dichloroethene	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	156-60-5		
1,2-Dichloropropane	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	78-87-5		
1,3-Dichloropropane	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	142-28-9		
2,2-Dichloropropane	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	594-20-7		
1,1-Dichloropropene	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	563-58-6		

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9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 9232942
Client Project ID: 02-MAY-0417/MR1637757

Lab Sample No: 922270467 Project Sample Number: 9232942-002 Date Collected: 05/08/02 15:15
Client Sample ID: 22017844/BRAM-46 SW Matrix: Soil Date Received: 05/17/02 10:55

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Diisopropyl ether	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	108-20-3		
Ethylbenzene	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	87-68-3		
Isopropylbenzene (Cumene)	12.	ug/kg	8.3	1.7	05/18/02 23:36	RWS	98-82-8		
p-Isopropyltoluene	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	99-87-6		
Methylene chloride	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	75-09-2		
Methyl-tert-butyl ether	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	1634-04-4		
Naphthalene	60.	ug/kg	8.3	1.7	05/18/02 23:36	RWS	91-20-3	1	
n-Propylbenzene	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	103-65-1		
Styrene	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	79-34-5		
Tetrachloroethene	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	127-18-4		
Toluene	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	79-00-5		
Trichloroethene	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	79-01-6		
Trichlorofluoromethane	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	8.3	1.7	05/18/02 23:36	RWS	96-18-4		
1,2,4-Trimethylbenzene	31.	ug/kg	8.3	1.7	05/18/02 23:36	RWS	95-63-6	1	
1,3,5-Trimethylbenzene	37.	ug/kg	8.3	1.7	05/18/02 23:36	RWS	108-67-8	1	
Vinyl chloride	ND	ug/kg	17.	1.7	05/18/02 23:36	RWS	75-01-4		
m&p-Xylene	ND	ug/kg	17.	1.7	05/18/02 23:36	RWS			
o-Xylene	15.	ug/kg	8.3	1.7	05/18/02 23:36	RWS	95-47-6		
Toluene-d8 (S)	92	%		1.0	05/18/02 23:36	RWS	2037-26-5		
4-Bromofluorobenzene (S)	72	%		1.0	05/18/02 23:36	RWS	460-00-4	2	
Dibromofluoromethane (S)	96	%		1.0	05/18/02 23:36	RWS			
1,2-Dichloroethane-d4 (S)	86	%		1.0	05/18/02 23:36	RWS	17060-07-0		

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9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 9232942
Client Project ID: 02-MAY-0417/MR1637757

Lab Sample No: 922270475 Project Sample Number: 9232942-003 Date Collected: 05/08/02 13:45
Client Sample ID: 22017845/BRAM-47 SW Matrix: Soil Date Received: 05/17/02 10:55

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	14.2	%		1.0	05/17/02	HEH			
GC/MS Volatiles									
GC/MS VOCs by 8260, low level	Method: EPA 8260								
Benzene	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	71-43-2		
Bromobenzene	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	108-86-1		
Bromochloromethane	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	74-97-5		
Bromodichloromethane	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	75-27-4		
Bromoform	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	75-25-2		
Bromomethane	ND	ug/kg	12.	1.2	05/19/02 00:06	RWS	74-83-9		
n-Butylbenzene	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	104-51-8		
sec-Butylbenzene	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	135-98-8		
tert-Butylbenzene	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	98-06-6		
Carbon tetrachloride	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	56-23-5		
Chlorobenzene	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	108-90-7		
Chloroethane	ND	ug/kg	12.	1.2	05/19/02 00:06	RWS	75-00-3		
Chloroform	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	67-66-3		
Chloromethane	ND	ug/kg	12.	1.2	05/19/02 00:06	RWS	74-87-3		
2-Chlorotoluene	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	95-49-8		
4-Chlorotoluene	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	96-12-8		
Dibromochloromethane	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	106-93-4		
Dibromomethane	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	12.	1.2	05/19/02 00:06	RWS	75-71-8		
1,1-Dichloroethane	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	75-34-3		
1,2-Dichloroethane	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	107-06-2		
1,1-Dichloroethene	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	156-60-5		
1,2-Dichloropropane	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	78-87-5		
1,3-Dichloropropane	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	142-28-9		
2,2-Dichloropropane	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	594-20-7		
1,1-Dichloropropene	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	563-58-6		

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Lab Project Number: 9232942
Client Project ID: 02-MAY-0417/MR1637757

Lab Sample No: 922270475 Project Sample Number: 9232942-003 Date Collected: 05/08/02 13:45
Client Sample ID: 22017845/BRAM-47 SW Matrix: Soil Date Received: 05/17/02 10:55

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Diisopropyl ether	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	108-20-3		
Ethylbenzene	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	87-68-3		
Isopropylbenzene (Cumene)	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	98-82-8		
p-Isopropyltoluene	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	99-87-6		
Methylene chloride	12.	ug/kg	5.8	1.2	05/19/02 00:06	RWS	75-09-2	3	
Methyl-tert-butyl ether	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	1634-04-4		
Naphthalene	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	91-20-3		
n-Propylbenzene	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	103-65-1		
Styrene	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	79-34-5		
Tetrachloroethene	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	127-18-4		
Toluene	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	79-00-5		
Trichloroethene	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	79-01-6		
Trichlorofluoromethane	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	108-67-8		
Vinyl chloride	ND	ug/kg	12.	1.2	05/19/02 00:06	RWS	75-01-4		
m&p-Xylene	ND	ug/kg	12.	1.2	05/19/02 00:06	RWS			
o-Xylene	ND	ug/kg	5.8	1.2	05/19/02 00:06	RWS	95-47-6		
Toluene-d8 (S)	93	%		1.0	05/19/02 00:06	RWS	2037-26-5		
4-Bromofluorobenzene (S)	75	%		1.0	05/19/02 00:06	RWS	460-00-4	2	
Dibromofluoromethane (S)	100	%		1.0	05/19/02 00:06	RWS			
1,2-Dichloroethane-d4 (S)	93	%		1.0	05/19/02 00:06	RWS	17060-07-0		

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Huntersville, NC 28078
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Lab Project Number: 9232942
Client Project ID: 02-MAY-0417/MR1637757

Lab Sample No: 922270483 Project Sample Number: 9232942-004 Date Collected: 05/15/02 08:15
Client Sample ID: 22017846/BRAM-48 SW Matrix: Soil Date Received: 05/17/02 10:55

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	19.8	%		1.0	05/17/02	HEH			
GC/MS Volatiles									
GC/MS VOCs by 8260, low level	Method: EPA 8260								
Benzene	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	71-43-2		
Bromobenzene	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	108-86-1		
Bromochloromethane	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	74-97-5		
Bromodichloromethane	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	75-27-4		
Bromoform	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	75-25-2		
Bromomethane	ND	ug/kg	12.	1.2	05/24/02 15:11	BCK	74-83-9		
n-Butylbenzene	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	104-51-8		
sec-Butylbenzene	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	135-98-8		
tert-Butylbenzene	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	98-06-6		
Carbon tetrachloride	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	56-23-5		
Chlorobenzene	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	108-90-7		
Chloroethane	ND	ug/kg	12.	1.2	05/24/02 15:11	BCK	75-00-3		
Chloroform	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	67-66-3		
Chloromethane	ND	ug/kg	12.	1.2	05/24/02 15:11	BCK	74-87-3		
2-Chlorotoluene	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	95-49-8		
4-Chlorotoluene	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	96-12-8		
Dibromochloromethane	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	106-93-4		
Dibromomethane	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	12.	1.2	05/24/02 15:11	BCK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	75-34-3		
1,2-Dichloroethane	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	563-58-6		

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Lab Project Number: 9232942
Client Project ID: 02-MAY-0417/MR1637757

Lab Sample No: 922270483 Project Sample Number: 9232942-004 Date Collected: 05/15/02 08:15
Client Sample ID: 22017846/BRAM-48 SW Matrix: Soil Date Received: 05/17/02 10:55

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Diisopropyl ether	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	108-20-3		
Ethylbenzene	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	87-68-3		
Isopropylbenzene (Cumene)	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	98-82-8		
p-Isopropyltoluene	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	99-87-6		
Methylene chloride	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	75-09-2		
Methyl-tert-butyl ether	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	1634-04-4		
Naphthalene	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	91-20-3		
n-Propylbenzene	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	103-65-1		
Styrene	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	79-34-5		
Tetrachloroethene	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	127-18-4		
Toluene	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	79-00-5		
Trichloroethene	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	108-67-8		
Vinyl chloride	ND	ug/kg	12.	1.2	05/24/02 15:11	BCK	75-01-4		
m&p-Xylene	ND	ug/kg	12.	1.2	05/24/02 15:11	BCK			
o-Xylene	ND	ug/kg	6.2	1.2	05/24/02 15:11	BCK	95-47-6		
Toluene-d8 (S)	93	%		1.0	05/24/02 15:11	BCK	2037-26-5		
4-Bromofluorobenzene (S)	73	%		1.0	05/24/02 15:11	BCK	460-00-4	2	
Dibromofluoromethane (S)	88	%		1.0	05/24/02 15:11	BCK			
1,2-Dichloroethane-d4 (S)	75	%		1.0	05/24/02 15:11	BCK	17060-07-0		

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Lab Project Number: 9232942
Client Project ID: 02-MAY-0417/MR1637757

Lab Sample No: 922270491 Project Sample Number: 9232942-005 Date Collected: 05/15/02 09:15
Client Sample ID: 22017847/BRAM-49 SW Matrix: Soil Date Received: 05/17/02 10:55

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	42.6	%		1.0	05/17/02	HEH			
GC/MS Volatiles									
GC/MS VOCs by 8260, low level	Method: EPA 8260								
Benzene	1200	ug/kg	8.7	1.7	05/24/02 15:41	BCK	71-43-2	4	
Bromobenzene	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	108-86-1		
Bromochloromethane	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	74-97-5		
Bromodichloromethane	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	75-27-4		
Bromoform	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	75-25-2		
Bromomethane	ND	ug/kg	17.	1.7	05/24/02 15:41	BCK	74-83-9		
n-Butylbenzene	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	104-51-8		
sec-Butylbenzene	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	135-98-8		
tert-Butylbenzene	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	98-06-6		
Carbon tetrachloride	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	56-23-5		
Chlorobenzene	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	108-90-7		
Chloroethane	ND	ug/kg	17.	1.7	05/24/02 15:41	BCK	75-00-3		
Chloroform	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	67-66-3		
Chloromethane	ND	ug/kg	17.	1.7	05/24/02 15:41	BCK	74-87-3		
2-Chlorotoluene	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	95-49-8		
4-Chlorotoluene	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	96-12-8		
Dibromochloromethane	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	106-93-4		
Dibromomethane	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	17.	1.7	05/24/02 15:41	BCK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	75-34-3		
1,2-Dichloroethane	26.	ug/kg	8.7	1.7	05/24/02 15:41	BCK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	563-58-6		

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Huntersville, NC 28078
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Fax: 704.875.9091

Lab Project Number: 9232942
Client Project ID: 02-MAY-0417/MR1637757

Lab Sample No: 922270491 Project Sample Number: 9232942-005 Date Collected: 05/15/02 09:15
Client Sample ID: 22017847/BRAM-49 SW Matrix: Soil Date Received: 05/17/02 10:55

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Diisopropyl ether	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	108-20-3		
Ethylbenzene	1500	ug/kg	8.7	1.7	05/24/02 15:41	BCK	100-41-4	4	
Hexachloro-1,3-butadiene	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	87-68-3		
Isopropylbenzene (Cumene)	280	ug/kg	8.7	1.7	05/24/02 15:41	BCK	98-82-8		
p-Isopropyltoluene	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	99-87-6		
Methylene chloride	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	75-09-2		
Methyl-tert-butyl ether	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	1634-04-4		
Naphthalene	380000	ug/kg	8700	1740	05/24/02 15:41	BCK	91-20-3	4	
n-Propylbenzene	190	ug/kg	8.7	1.7	05/24/02 15:41	BCK	103-65-1		
Styrene	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	79-34-5		
Tetrachloroethene	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	127-18-4		
Toluene	460	ug/kg	8.7	1.7	05/24/02 15:41	BCK	108-88-3	4	
1,2,3-Trichlorobenzene	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	79-00-5		
Trichloroethene	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	8.7	1.7	05/24/02 15:41	BCK	96-18-4		
1,2,4-Trimethylbenzene	2700	ug/kg	8.7	1.7	05/24/02 15:41	BCK	95-63-6	4	
1,3,5-Trimethylbenzene	1700	ug/kg	8.7	1.7	05/24/02 15:41	BCK	108-67-8	4	
Vinyl chloride	ND	ug/kg	17.	1.7	05/24/02 15:41	BCK	75-01-4		
m&p-Xylene	2100	ug/kg	17.	1.7	05/24/02 15:41	BCK		4	
o-Xylene	600	ug/kg	8.7	1.7	05/24/02 15:41	BCK	95-47-6	4	
Toluene-d8 (S)	88	%		1.0	05/24/02 15:41	BCK	2037-26-5		
4-Bromofluorobenzene (S)	74	%		1.0	05/24/02 15:41	BCK	460-00-4	2	
Dibromofluoromethane (S)	92	%		1.0	05/24/02 15:41	BCK			
1,2-Dichloroethane-d4 (S)	84	%		1.0	05/24/02 15:41	BCK	17060-07-0		

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Huntersville, NC 28078
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Lab Project Number: 9232942
Client Project ID: 02-MAY-0417/MR1637757

Lab Sample No: 922270509 Project Sample Number: 9232942-006 Date Collected: 05/15/02 09:22
Client Sample ID: 22017849/BRAM-50 B Matrix: Soil Date Received: 05/17/02 10:55

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	23.4	%		1.0	05/17/02	HEH			
GC/MS Volatiles									
GC/MS VOCs by 8260, low level	Method: EPA 8260								
Benzene	18.	ug/kg	6.5	1.3	05/24/02 16:11	BCK	71-43-2		
Bromobenzene	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	108-86-1		
Bromochloromethane	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	74-97-5		
Bromodichloromethane	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	75-27-4		
Bromoform	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	75-25-2		
Bromomethane	ND	ug/kg	13.	1.3	05/24/02 16:11	BCK	74-83-9		
n-Butylbenzene	11.	ug/kg	6.5	1.3	05/24/02 16:11	BCK	104-51-8		
sec-Butylbenzene	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	135-98-8		
tert-Butylbenzene	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	98-06-6		
Carbon tetrachloride	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	56-23-5		
Chlorobenzene	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	108-90-7		
Chloroethane	ND	ug/kg	13.	1.3	05/24/02 16:11	BCK	75-00-3		
Chloroform	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	67-66-3		
Chloromethane	ND	ug/kg	13.	1.3	05/24/02 16:11	BCK	74-87-3		
2-Chlorotoluene	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	95-49-8		
4-Chlorotoluene	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	96-12-8		
Dibromochloromethane	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	106-93-4		
Dibromomethane	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	13.	1.3	05/24/02 16:11	BCK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	75-34-3		
1,2-Dichloroethane	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	563-58-6		

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Fax: 704.875.9091

Lab Project Number: 9232942
Client Project ID: 02-MAY-0417/MR1637757

Lab Sample No: 922270509 Project Sample Number: 9232942-006 Date Collected: 05/15/02 09:22
Client Sample ID: 22017849/BRAM-50 B Matrix: Soil Date Received: 05/17/02 10:55

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Diisopropyl ether	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	108-20-3		
Ethylbenzene	150	ug/kg	6.5	1.3	05/24/02 16:11	BCK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	87-68-3		
Isopropylbenzene (Cumene)	7.8	ug/kg	6.5	1.3	05/24/02 16:11	BCK	98-82-8		
p-Isopropyltoluene	12.	ug/kg	6.5	1.3	05/24/02 16:11	BCK	99-87-6		
Methylene chloride	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	75-09-2		
Methyl-tert-butyl ether	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	1634-04-4		
Naphthalene	19000	ug/kg	3300	652	05/24/02 16:11	BCK	91-20-3		
n-Propylbenzene	7.7	ug/kg	6.5	1.3	05/24/02 16:11	BCK	103-65-1		
Styrene	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	79-34-5		
Tetrachloroethene	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	127-18-4		
Toluene	33.	ug/kg	6.5	1.3	05/24/02 16:11	BCK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	79-00-5		
Trichloroethene	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	6.5	1.3	05/24/02 16:11	BCK	96-18-4		
1,2,4-Trimethylbenzene	260	ug/kg	6.5	1.3	05/24/02 16:11	BCK	95-63-6		
1,3,5-Trimethylbenzene	150	ug/kg	6.5	1.3	05/24/02 16:11	BCK	108-67-8		
Vinyl chloride	ND	ug/kg	13.	1.3	05/24/02 16:11	BCK	75-01-4		
m&p-Xylene	240	ug/kg	13.	1.3	05/24/02 16:11	BCK			
o-Xylene	110	ug/kg	6.5	1.3	05/24/02 16:11	BCK	95-47-6		
Toluene-d8 (S)	97	%		1.0	05/24/02 16:11	BCK	2037-26-5		
4-Bromofluorobenzene (S)	91	%		1.0	05/24/02 16:11	BCK	460-00-4		
Dibromofluoromethane (S)	88	%		1.0	05/24/02 16:11	BCK			
1,2-Dichloroethane-d4 (S)	81	%		1.0	05/24/02 16:11	BCK	17060-07-0		

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Lab Project Number: 9232942
Client Project ID: 02-MAY-0417/MR1637757

PARAMETER FOOTNOTES

Dilution factor shown represents the factor applied to the reported result and reporting limit due to changes in sample preparation, dilution of the extract, or moisture content

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
(S)	Surrogate
[1]	The reported result may be biased high due to matrix interference with the internal standard. This was confirmed by reanalysis of the sample.
[2]	Low surrogate recovery was confirmed as a matrix effect by a second analysis.
[3]	Common laboratory contaminant.
[4]	Compound concentration exceeds the calibration range of the instrument (CLP E-Flag).

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Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Lab Project Number: 9232942
Client Project ID: 02-MAY-0417/MR1637757

QC Batch: 57607 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: GC/MS VOCs by 8260, low level
Associated Lab Samples: 922270459 922270467 922270475

METHOD BLANK: 922274329
Associated Lab Samples: 922270459 922270467 922270475

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Benzene	ug/kg	ND	5.0	
Bromobenzene	ug/kg	ND	5.0	
Bromochloromethane	ug/kg	ND	5.0	
Bromodichloromethane	ug/kg	ND	5.0	
Bromoform	ug/kg	ND	5.0	
Bromomethane	ug/kg	ND	10.	
n-Butylbenzene	ug/kg	ND	5.0	
sec-Butylbenzene	ug/kg	ND	5.0	
tert-Butylbenzene	ug/kg	ND	5.0	
Carbon tetrachloride	ug/kg	ND	5.0	
Chlorobenzene	ug/kg	ND	5.0	
Chloroethane	ug/kg	ND	10.	
Chloroform	ug/kg	ND	5.0	
Chloromethane	ug/kg	ND	10.	
2-Chlorotoluene	ug/kg	ND	5.0	
4-Chlorotoluene	ug/kg	ND	5.0	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	
Dibromochloromethane	ug/kg	ND	5.0	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	
Dibromomethane	ug/kg	ND	5.0	
1,2-Dichlorobenzene	ug/kg	ND	5.0	
1,3-Dichlorobenzene	ug/kg	ND	5.0	
1,4-Dichlorobenzene	ug/kg	ND	5.0	
Dichlorodifluoromethane	ug/kg	ND	10.	
1,1-Dichloroethane	ug/kg	ND	5.0	
1,2-Dichloroethane	ug/kg	ND	5.0	
1,1-Dichloroethene	ug/kg	ND	5.0	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	
1,2-Dichloropropane	ug/kg	ND	5.0	
1,3-Dichloropropane	ug/kg	ND	5.0	

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Huntersville, NC 28078
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Fax: 704.875.9091

QUALITY CONTROL DATA

Lab Project Number: 9232942
Client Project ID: 02-MAY-0417/MR1637757

METHOD BLANK: 922274329
Associated Lab Samples: 922270459 922270467 922270475

Parameter	Units	Blank Result	Reporting Limit	Footnotes
2,2-Dichloropropane	ug/kg	ND	5.0	
1,1-Dichloropropene	ug/kg	ND	5.0	
Diisopropyl ether	ug/kg	ND	5.0	
Ethylbenzene	ug/kg	ND	5.0	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	
p-Isopropyltoluene	ug/kg	ND	5.0	
Methylene chloride	ug/kg	ND	5.0	
Methyl-tert-butyl ether	ug/kg	ND	5.0	
Naphthalene	ug/kg	ND	5.0	
n-Propylbenzene	ug/kg	ND	5.0	
Styrene	ug/kg	ND	5.0	
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	
Tetrachloroethene	ug/kg	ND	5.0	
Toluene	ug/kg	ND	5.0	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	
1,1,1-Trichloroethane	ug/kg	ND	5.0	
1,1,2-Trichloroethane	ug/kg	ND	5.0	
Trichloroethene	ug/kg	ND	5.0	
Trichlorofluoromethane	ug/kg	ND	5.0	
1,2,3-Trichloropropane	ug/kg	ND	5.0	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	
Vinyl chloride	ug/kg	ND	10.	
m&p-Xylene	ug/kg	ND	10.	
o-Xylene	ug/kg	ND	5.0	
Toluene-d8 (S)	%	100		
4-Bromofluorobenzene (S)	%	99		
Dibromofluoromethane (S)	%	99		
1,2-Dichloroethane-d4 (S)	%	100		

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Fax: 704.875.9091

QUALITY CONTROL DATA

Lab Project Number: 9232942
Client Project ID: 02-MAY-0417/MR1637757

LABORATORY CONTROL SAMPLE & LCSD: 922274337 922274345

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	RPD	Footnotes
Benzene	ug/kg	50.00	49.18	43.90	98	88	11	
Bromobenzene	ug/kg	50.00	51.28	46.05	103	92	11	
Bromochloromethane	ug/kg	50.00	49.55	44.07	99	88	12	
Bromodichloromethane	ug/kg	50.00	50.05	45.02	100	90	11	
Bromoform	ug/kg	50.00	48.87	43.88	98	88	11	
Bromomethane	ug/kg	50.00	76.77	60.91	154	122	23	1,2
n-Butylbenzene	ug/kg	50.00	47.65	43.63	95	87	9	
sec-Butylbenzene	ug/kg	50.00	49.26	44.66	98	89	10	
tert-Butylbenzene	ug/kg	50.00	50.89	44.03	102	88	14	
Carbon tetrachloride	ug/kg	50.00	48.60	44.10	97	88	10	
Chlorobenzene	ug/kg	50.00	49.18	44.27	98	88	11	
Chloroethane	ug/kg	50.00	45.22	39.29	90	79	14	
Chloroform	ug/kg	50.00	49.56	44.09	99	88	12	
Chloromethane	ug/kg	50.00	37.38	32.14	75	64	15	
2-Chlorotoluene	ug/kg	50.00	51.00	43.41	102	87	16	
4-Chlorotoluene	ug/kg	50.00	49.42	44.12	99	88	11	
1,2-Dibromo-3-chloropropane	ug/kg	50.00	47.65	44.05	95	88	8	
Dibromochloromethane	ug/kg	50.00	50.75	45.55	102	91	11	
1,2-Dibromoethane (EDB)	ug/kg	50.00	49.51	44.19	99	88	11	
Dibromomethane	ug/kg	50.00	48.31	43.41	97	87	11	
1,2-Dichlorobenzene	ug/kg	50.00	49.69	43.93	99	88	12	
1,3-Dichlorobenzene	ug/kg	50.00	49.11	43.71	98	87	12	
1,4-Dichlorobenzene	ug/kg	50.00	48.41	43.33	97	87	11	
Dichlorodifluoromethane	ug/kg	50.00	50.47	45.40	101	91	11	
1,1-Dichloroethane	ug/kg	50.00	49.20	43.50	98	87	12	
1,2-Dichloroethane	ug/kg	50.00	49.49	44.45	99	89	11	
1,1-Dichloroethene	ug/kg	50.00	55.55	48.87	111	98	13	
cis-1,2-Dichloroethene	ug/kg	50.00	51.28	44.80	103	90	13	
trans-1,2-Dichloroethene	ug/kg	50.00	55.55	48.87	111	98	13	
1,2-Dichloropropane	ug/kg	50.00	48.99	44.07	98	88	11	
1,3-Dichloropropane	ug/kg	50.00	49.48	44.09	99	88	12	
2,2-Dichloropropane	ug/kg	50.00	48.99	42.30	98	85	15	
1,1-Dichloropropene	ug/kg	50.00	49.63	44.09	99	88	12	
Diisopropyl ether	ug/kg	50.00	50.80	43.16	102	86	16	
Ethylbenzene	ug/kg	50.00	48.64	43.74	97	88	11	
Hexachloro-1,3-butadiene	ug/kg	50.00	45.30	42.43	91	85	7	
Isopropylbenzene (Cumene)	ug/kg	50.00	48.36	43.59	97	87	10	

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9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Lab Project Number: 9232942
Client Project ID: 02-MAY-0417/MR1637757

LABORATORY CONTROL SAMPLE & LCSD: 922274337 922274345

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	RPD	Footnotes
p-Isopropyltoluene	ug/kg	50.00	49.28	44.57	99	89	10	
Methylene chloride	ug/kg	50.00	50.82	44.18	102	88	14	
Methyl-tert-butyl ether	ug/kg	50.00	50.96	43.96	102	88	15	
Naphthalene	ug/kg	50.00	42.46	39.56	85	79	7	
n-Propylbenzene	ug/kg	50.00	49.16	44.47	98	89	10	
Styrene	ug/kg	50.00	48.60	44.14	97	88	10	
1,1,1,2-Tetrachloroethane	ug/kg	50.00	50.81	45.67	102	91	11	
1,1,2,2-Tetrachloroethane	ug/kg	50.00	48.98	44.36	98	89	10	
Tetrachloroethene	ug/kg	50.00	48.63	44.42	97	89	9	
Toluene	ug/kg	50.00	47.55	42.36	95	85	12	
1,2,3-Trichlorobenzene	ug/kg	50.00	42.72	39.88	85	80	7	
1,2,4-Trichlorobenzene	ug/kg	50.00	43.91	40.01	88	80	9	
1,1,1-Trichloroethane	ug/kg	50.00	50.06	44.26	100	88	12	
1,1,2-Trichloroethane	ug/kg	50.00	49.32	43.85	99	88	12	
Trichloroethene	ug/kg	50.00	49.14	43.81	98	88	11	
Trichlorofluoromethane	ug/kg	50.00	45.34	39.21	91	78	14	
1,2,3-Trichloropropane	ug/kg	50.00	48.66	43.83	97	88	10	
1,2,4-Trimethylbenzene	ug/kg	50.00	46.55	41.54	93	83	11	
1,3,5-Trimethylbenzene	ug/kg	50.00	48.71	43.47	97	87	11	
Vinyl chloride	ug/kg	50.00	47.10	41.52	94	83	13	
m&p-Xylene	ug/kg	100.00	95.55	87.71	96	88	9	
o-Xylene	ug/kg	50.00	47.28	43.49	95	87	8	
Toluene-d8 (S)					98	100		
4-Bromofluorobenzene (S)					98	99		
Dibromofluoromethane (S)					102	101		
1,2-Dichloroethane-d4 (S)					100	101		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 922274352 922274360

Parameter	Units	922270459 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Benzene	ug/kg	7.743	84.47	90.87	89.29	98	96	2	
Chlorobenzene	ug/kg	0	84.47	87.52	86.45	104	102	1	
1,1-Dichloroethene	ug/kg	0	84.47	104.9	101.8	124	120	3	
Toluene	ug/kg	2.984	84.47	78.79	78.30	90	89	1	
Trichloroethene	ug/kg	0	84.47	84.98	81.70	101	97	4	

QUALITY CONTROL DATA

Lab Project Number: 9232942
Client Project ID: 02-MAY-0417/MR1637757

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 922274352 922274360

	922270459	Spike	MS	MSD	MS %	MSD %
Toluene-d8 (S)					94	96
4-Bromofluorobenzene (S)					77	79
Dibromofluoromethane (S)					100	103
1,2-Dichloroethane-d4 (S)					88	92

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Form 89962 (9-97)
Previously Form 35226

Duke Power's Analytical Laboratory
MNS Bldg. # 7405 (MG03A2)
13339 Hagers Ferry Road
Huntersville, NC 28078
Phone: (704) 875-5209/875-5245[1]
Fax: (704) 875-5038

LAB USE[8]

LIMS #	Sample Class
02-MAY-0652	SOIL

Logged By (Ini.)	Time	Date
EBC	819	5/30/02

Vendored Samples

Vendor	Analysis

Vendor	P.O. #

Container Type: (✓)Glass ( )Plastic[13]

Preservative Added[14]

HNO_3												
H_2SO_4												
Ice		✓	✓									
Other												
None												

CLIENT[2]: Tim Hunsucker Report to/Ph.[4]: Tim Hunsucker
Project Name[3]: _____ Mail Code: MG03A3
FMIS # Business Unit[4]: _____ Resp. Center To: 0193
Project ID[5]: MGP BRAM
Activity ID[6]: All ACTV
Process[7]: _____

Sample #[9]	Lab PROFS #[10] 2201	Sample Description or ID[11]	Collection Information[12] Date	Time	Signature	GRAB[16]	COMP[17]	Analysis Required[15] EPA 8260	EPA 8270	TOTAL # OF CONTAINERS[18]
BRAM-51SW	9383	BRAM-51SW	5/20/02	0830	Kenneth Cobb	X		X	X	
BRAM-52SW	9384	BRAM-52SW	5/29/02	1610	Kenneth Cobb	↓		↓	↓	
BRAM-53SW	9385	BRAM-53SW	5/29/02	1614	Kenneth Cobb					
BRAM-54B	9386	BRAM-54B	5/29/02	1620	Kenneth Cobb	↓		↓	↓	

Relinquished by:[19]	Date/Time	Accepted By:	Date/Time
Kenneth Cobb	5/29/02 1800	Dwight W. Lade	5-29-02 17:54
Relinquished by:	Date/Time	Accepted By:	Date/Time
Tim Hunsucker	5/30/02 @ 0830	Erena Calder	5/30/02 @ 730
Seal/Locked by[20]	Date/Time	Seal/Lock Opened By:	Date/Time

Turnaround Requested[21]
- ☑ Routine (2 weeks)
- ☐ Rush (1 week)
- ☐ Emergency Rush (24-48 Hrs.)*

Date Results Requested: _____
*Additional Charges Will Apply

Sample Matrix[22] NC ☐ SC ☑
Ground Water ☐ NPDES ☐
Drinking Water ☐ UST ☐
RCRA Waste ☐ Other ☑

TEMP:[23]

Comments:[24] ELECTRONIC DATA TRANSFER

Original – AL Files[25] Copy 1– AL Files Copy 2 – Client Copy

See Instructions on the back of this form.

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8270/625 Analysis Case Narrative

(This document must accompany release of Analytical Data)

LIMS Job # ***02-MAY-0652***

Worklist # ***02-JUN-0127***

- *The percent recovery of 2,4-dinitrophenol in the Laboratory Control Sample was outside the laboratory control limits. Any results for 2,4-dinitrophenol should be considered estimates.*

- *The concentration of pyrene in sample #22019385 was outside the instrument calibration curve. The result for pyrene in this sample should be considered an estimate.*

- *The following compounds often exhibit recoveries lower than 50%: pyridine, aniline, hexachloroethane, benzoic acid, 4-chloroaniline, hexachlorocyclopentadiene, 2,4-dinitrophenol, 2-methyl-4,6-dinitrophenol and benzidine. Because of the potential for low recovery for these compounds, all results for these compounds should be considered as estimates.*

- *Any and all results for benzidine should be considered as estimates. This compound is difficult to accurately quantify by this methodology. This compound often fails calibration criteria, spike recovery criteria and method detection limit criteria.*

- *Any concentrations reported for phthalates including di-n-butylphthalate, bis(2-ethylhexyl)phthalate and di-n-octylphthalate should be considered as estimates. These compounds can be found in sample containers, sampling equipment and laboratory processing materials.*

Richard L. Engel

Analyst Signature

Richard L. Engel

Duke Energy Analytical Laboratory Services

Environment Health & Safety Services
Phone 704-875-5245
FAX 704 875 5038

Environmental Center – MG03A2
13339 Hagers Ferry Road
Huntersville NC 28078 7929

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8260 Analysis Case Narrative

(This document must accompany release of Analytical Data)

LIMS Job # 02-MAY-0652

Worklist # 02-MAY-0688

- The relative percent difference for the Matrix Spike and Matrix Spike Duplicate samples for 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, and naphthalene exceeded the laboratory quality control limits. The results for these compounds in Job# 02-May-0652 should be considered estimates.

Theresa James

Theresa James

Duke Energy Analytical Laboratory Services

Environment, Health & Safety Services
Phone: 704-875-5245
FAX: 704-875-5038

Environmental Center – MG03A2
13339 Hagers Ferry Road
Huntersville NC 28078-7929

Duke Energy

Duke Energy Analytical Laboratory

Environment, Health and Safety Services
Phone: 704-875-5245
Fax: 704-875-5038

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North Carolina Department of Health & Human Services Certification # 37804
South Carolina (DHEC) Laboratory ID # 99005 North Carolina (DENR) Certification # 248

Sample ID # : **22019383** Job # : **02-MAY-0652**

Sample Description: **BRAM-515W**

Collection Date: **20-May-02 08:30:00** Site : **BRAMLETT ST** Sample Type: **MGP SOIL** Desktop #

SVOC IN SOIL BY GC/MS - 8270

Test Code: **MS8270_S** Test Method: **SW-846 8270C** Date Posted: **06/12/02**

	Result	Reporting Limit	Flag
Pyridine	< 1.2 mg/Kg	1.2 mg/Kg	1
n-Nitrosodimethylamine	< 1.2 mg/Kg	1.2 mg/Kg	0
Aniline	< 1.2 mg/Kg	1.2 mg/Kg	1
Phenol	< 1.2 mg/Kg	1.2 mg/Kg	0
bis(2-Chloroethyl)ether	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Chlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
1,3-Dichlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
1,4-Dichlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzyl alcohol	< 1.2 mg/Kg	1.2 mg/Kg	0
1,2-Dichlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Methylphenol	< 1.2 mg/Kg	1.2 mg/Kg	0
bis(2-Chloroisopropyl)ether	< 1.2 mg/Kg	1.2 mg/Kg	0
4-Methylphenol	< 1.2 mg/Kg	1.2 mg/Kg	0
Hexachloroethane	< 1.2 mg/Kg	1.2 mg/Kg	1
n-Nitrosodi-n-propylamine	< 1.2 mg/Kg	1.2 mg/Kg	0
Nitrobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
Isophorone	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Nitrophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
2,4-Dimethylphenol	< 1.2 mg/Kg	1.2 mg/Kg	0
bis(2-Chloroethoxy)methane	< 1.2 mg/Kg	1.2 mg/Kg	0
2,4-Dichlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzoic acid	< 1.2 mg/Kg	1.2 mg/Kg	1
1,2,4-Trichlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
Naphthalene	2.9 mg/Kg	1.2 mg/Kg	0
4-Chloroaniline	< 1.2 mg/Kg	1.2 mg/Kg	1
Hexachlorobutadiene	< 1.2 mg/Kg	1.2 mg/Kg	0
4-Chloro-3-methylphenol	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Methylnaphthalene	< 1.2 mg/Kg	1.2 mg/Kg	0
Hexachlorocyclopentadiene	< 1.2 mg/Kg	1.2 mg/Kg	1
2,4,6-Trichlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
2,4,5-Trichlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Chloronaphthalene	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Nitroaniline	< 1.2 mg/Kg	1.2 mg/Kg	0
Dimethylphthalate	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthylene	3.9 mg/Kg	1.2 mg/Kg	0
2,6-Dinitrotoluene	< 1.2 mg/Kg	1.2 mg/Kg	0
3-Nitroaniline	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthene	< 1.2 mg/Kg	1.2 mg/Kg	0

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Environment, Health and Safety Services
Phone: 704-875-5245
Fax: 704-875-5038

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North Carolina Department of Health & Human Services Certification # **37804**
South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22019383** Job # : **02-MAY-0652**

Sample Description: **BRAM-515W**

Collection Date: **20-May-02 08:30:00** Site : **BRAMLETT ST** Sample Type: **MGP SOIL** Desktop #

SVOC IN SOIL BY GC/MS - 8270

Test Code: **MS8270_S** Test Method: **SW-846 8270C** Date Posted: **06/12/02**

	Result	Reporting Limit	Flag
2,4-Dinitrophenol	< 1.2 mg/Kg	1.2 mg/Kg	1
4-Nitrophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
Dibenzofuran	< 1.2 mg/Kg	1.2 mg/Kg	0
2,4-Dinitrotoluene	< 1.2 mg/Kg	1.2 mg/Kg	0
Diethylphthalate	< 1.2 mg/Kg	1.2 mg/Kg	0
Fluorene	< 1.2 mg/Kg	1.2 mg/Kg	0
4-Chlorophenylphenylether	< 1.2 mg/Kg	1.2 mg/Kg	0
4-Nitroaniline	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Methyl-4,6-dinitrophenol	< 1.2 mg/Kg	1.2 mg/Kg	1
n-Nitrosodiphenylamine	< 1.2 mg/Kg	1.2 mg/Kg	0
1,2-Diphenylhydrazine	< 1.2 mg/Kg	1.2 mg/Kg	0
4-Bromophenylphenylether	< 1.2 mg/Kg	1.2 mg/Kg	0
Hexachlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
Pentachlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
Phenanthrene	8.2 mg/Kg	1.2 mg/Kg	0
Anthracene	2.5 mg/Kg	1.2 mg/Kg	0
di-n-Butylphthalate	4.4 mg/Kg	1.2 mg/Kg	0
Fluoranthene	27 mg/Kg	12 mg/Kg	0
Benzidine	< 5.8 mg/Kg	5.8 mg/Kg	1
Pyrene	30 mg/Kg	12 mg/Kg	0
Butylbenzylphthalate	< 1.2 mg/Kg	1.2 mg/Kg	0
3,3-Dichlorobenzidine	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(a)anthracene	18 mg/Kg	12 mg/Kg	0
Chrysene	22 mg/Kg	12 mg/Kg	0
bis(2-Ethylhexyl)phthalate	< 1.2 mg/Kg	1.2 mg/Kg	0
di-n-Octylphthalate	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(b)fluoranthene	26 mg/Kg	12 mg/Kg	0
Benzo(k)fluoranthene	22 mg/Kg	12 mg/Kg	0
Benzo(a)pyrene	19 mg/Kg	12 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	13 mg/Kg	1.2 mg/Kg	0
Dibenzo(a,h)anthracene	3.2 mg/Kg	1.2 mg/Kg	0
Benzo(g,h,i)perylene	14 mg/Kg	1.2 mg/Kg	0

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South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22019383** Job # : **02-MAY-0652**

Sample Description: **BRAM-515W**

Collection Date: **20-May-02 08:30:00** Site : BRAMLETT ST Sample Type: MGP SOIL Desktop #

VOC IN SOIL BY GC/MS - 8260

Test Code: **MS8260_S** Test Method: **SW-846 5030B/8260B** Date Posted: **06/07/02**

	Result	Reporting Limit	Flag
Dichlorodifluoromethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Chloromethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Vinyl chloride	< 3.0 ug/Kg	3.0 ug/Kg	0
Bromomethane	< 8.0 ug/Kg	8.0 ug/Kg	0
Chloroethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Trichlorofluoromethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Acrolein	< 30 ug/Kg	30 ug/Kg	0
1,1-Dichloroethene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Acetone	18 ug/Kg	3.0 ug/Kg	0
Methyl iodide	< 3.0 ug/Kg	3.0 ug/Kg	0
Carbon disulfide	< 3.0 ug/Kg	3.0 ug/Kg	0
Methylene chloride	< 3.0 ug/Kg	3.0 ug/Kg	0
Acrylonitrile	< 30 ug/Kg	30 ug/Kg	0
MTBE	< 3.0 ug/Kg	3.0 ug/Kg	0
trans-1,2-Dichloroethene	< 3.0 ug/Kg	3.0 ug/Kg	0
Isopropyl ether	< 3.0 ug/Kg	3.0 ug/Kg	0
1,1-Dichloroethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Vinyl acetate	< 3.0 ug/Kg	3.0 ug/Kg	0
2,2-Dichloropropane	< 3.0 ug/Kg	3.0 ug/Kg	0
cis-1,2-Dichloroethene	< 3.0 ug/Kg	3.0 ug/Kg	0
2-Butanone	< 8.0 ug/Kg	8.0 ug/Kg	0
Chloroform	< 3.0 ug/Kg	3.0 ug/Kg	0
1,1-Dichloropropene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,1,1-Trichloroethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Carbon tetrachloride	< 3.0 ug/Kg	3.0 ug/Kg	0
Bromochloromethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Benzene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2-Dichloroethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Trichloroethene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2-Dichloropropane	< 3.0 ug/Kg	3.0 ug/Kg	0
Dibromomethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Bromodichloromethane	< 3.0 ug/Kg	3.0 ug/Kg	0
cis-1,3-Dichloropropene	< 3.0 ug/Kg	3.0 ug/Kg	0
4-Methyl-2-pentanone (MIBK)	< 3.0 ug/Kg	3.0 ug/Kg	0
Toluene	< 3.0 ug/Kg	3.0 ug/Kg	0
trans-1,3-Dichloropropene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,1,2-Trichloroethane	< 3.0 ug/Kg	3.0 ug/Kg	0

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South Carolina (DHEC) Laboratory ID # 99005 North Carolina (DENR) Certification # 248

Sample ID # : **22019383** Job # : **02-MAY-0652**

Sample Description: **BRAM-515W**

Collection Date: **20-May-02 08:30:00** Site : BRAMLETT ST Sample Type: MGP SOIL Desktop #

VOC IN SOIL BY GC/MS - 8260

Test Code: **MS8260_S** Test Method: **SW-846 5030B/8260B** Date Posted: **06/07/02**

	Result	Reporting Limit	Flag
1,3-Dichloropropane	< 3.0 ug/Kg	3.0 ug/Kg	0
Tetrachloroethene	< 3.0 ug/Kg	3.0 ug/Kg	0
2-Hexanone	< 3.0 ug/Kg	3.0 ug/Kg	0
Dibromochloromethane	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2-Dibromoethane (EDB)	< 3.0 ug/Kg	3.0 ug/Kg	0
Chlorobenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
Isopropylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,1,1,2-tetrachloroethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Ethylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
m-p-Xylene	< 6.0 ug/Kg	6.0 ug/Kg	0
o-Xylene	< 3.0 ug/Kg	3.0 ug/Kg	0
Styrene	< 3.0 ug/Kg	3.0 ug/Kg	0
Bromoform	< 3.0 ug/Kg	3.0 ug/Kg	0
1,4-Dichlorobutane	< 3.0 ug/Kg	3.0 ug/Kg	0
1,1,2,2-Tetrachloroethane	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2,3-Trichloropropane	< 3.0 ug/Kg	3.0 ug/Kg	0
n-Propyl benzene	< 3.0 ug/Kg	3.0 ug/Kg	0
Bromobenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,3,5-trimethylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
2-Chlorotoluene	< 3.0 ug/Kg	3.0 ug/Kg	0
4-Chlorotoluene	< 3.0 ug/Kg	3.0 ug/Kg	0
t-Butylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2,4-Trimethylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
sec-Butylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
p-Isopropyltoluene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,3-Dichlorobenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,4-Dichlorobenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
n-Butylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2-Dichlorobenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2-Dibromo-3-chloropropane	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2,4-Trichlorobenzene	< 3.0 ug/Kg	3.0 ug/Kg	1
Hexachlorobutadiene	< 3.0 ug/Kg	3.0 ug/Kg	0
Naphthalene	170 ug/Kg	3.0 ug/Kg	1
1,2,3-Trichlorobenzene	< 3.0 ug/Kg	3.0 ug/Kg	1

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Sample ID # : **22019384** Job # : **02-MAY-0652**

Sample Description: **BRAM-525W**

Collection Date: **29-May-02 16:10:00** Site : BRAMLETT ST Sample Type: MGP SOIL Desktop #

SVOC IN SOIL BY GC/MS - 8270

Test Code: **MS8270_S** Test Method: **SW-846 8270C** Date Posted: **06/12/02**

	Result	Reporting Limit	Flag
Pyridine	< 1.2 mg/Kg	1.2 mg/Kg	1
n-Nitrosodimethylamine	< 1.2 mg/Kg	1.2 mg/Kg	0
Aniline	< 1.2 mg/Kg	1.2 mg/Kg	1
Phenol	< 1.2 mg/Kg	1.2 mg/Kg	0
bis(2-Chloroethyl)ether	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Chlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
1,3-Dichlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
1,4-Dichlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzyl alcohol	< 1.2 mg/Kg	1.2 mg/Kg	0
1,2-Dichlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Methylphenol	< 1.2 mg/Kg	1.2 mg/Kg	0
bis(2-Chloroisopropyl)ether	< 1.2 mg/Kg	1.2 mg/Kg	0
4-Methylphenol	< 1.2 mg/Kg	1.2 mg/Kg	0
Hexachloroethane	< 1.2 mg/Kg	1.2 mg/Kg	1
n-Nitrosodi-n-propylamine	< 1.2 mg/Kg	1.2 mg/Kg	0
Nitrobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
Isophorone	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Nitrophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
2,4-Dimethylphenol	< 1.2 mg/Kg	1.2 mg/Kg	0
bis(2-Chloroethoxy)methane	< 1.2 mg/Kg	1.2 mg/Kg	0
2,4-Dichlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzoic acid	< 1.2 mg/Kg	1.2 mg/Kg	1
1,2,4-Trichlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
Naphthalene	< 1.2 mg/Kg	1.2 mg/Kg	0
4-Chloroaniline	< 1.2 mg/Kg	1.2 mg/Kg	1
Hexachlorobutadiene	< 1.2 mg/Kg	1.2 mg/Kg	0
4-Chloro-3-methylphenol	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Methylnaphthalene	< 1.2 mg/Kg	1.2 mg/Kg	0
Hexachlorocyclopentadiene	< 1.2 mg/Kg	1.2 mg/Kg	1
2,4,6-Trichlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
2,4,5-Trichlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Chloronaphthalene	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Nitroaniline	< 1.2 mg/Kg	1.2 mg/Kg	0
Dimethylphthalate	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthylene	< 1.2 mg/Kg	1.2 mg/Kg	0
2,6-Dinitrotoluene	< 1.2 mg/Kg	1.2 mg/Kg	0
3-Nitroaniline	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthene	< 1.2 mg/Kg	1.2 mg/Kg	0

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Sample ID # : **22019384** Job # : **02-MAY-0652**

Sample Description: **BRAM-525W**

Collection Date: **29-May-02 16:10:00** Site : **BRAMLETT ST** Sample Type: **MGP SOIL** Desktop #

SVOC IN SOIL BY GC/MS - 8270

Test Code: **MS8270_S** Test Method: **SW-846 8270C** Date Posted: **06/12/02**

	Result	Reporting Limit	Flag
2,4-Dinitrophenol	< 1.2 mg/Kg	1.2 mg/Kg	1
4-Nitrophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
Dibenzofuran	< 1.2 mg/Kg	1.2 mg/Kg	0
2,4-Dinitrotoluene	< 1.2 mg/Kg	1.2 mg/Kg	0
Diethylphthalate	< 1.2 mg/Kg	1.2 mg/Kg	0
Fluorene	< 1.2 mg/Kg	1.2 mg/Kg	0
4-Chlorophenylphenylether	< 1.2 mg/Kg	1.2 mg/Kg	0
4-Nitroaniline	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Methyl-4,6-dinitrophenol	< 1.2 mg/Kg	1.2 mg/Kg	1
n-Nitrosodiphenylamine	< 1.2 mg/Kg	1.2 mg/Kg	0
1,2-Diphenylhydrazine	< 1.2 mg/Kg	1.2 mg/Kg	0
4-Bromophenylphenylether	< 1.2 mg/Kg	1.2 mg/Kg	0
Hexachlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
Pentachlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
Phenanthrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Anthracene	< 1.2 mg/Kg	1.2 mg/Kg	0
di-n-Butylphthalate	4.3 mg/Kg	1.2 mg/Kg	0
Fluoranthene	8.9 mg/Kg	1.2 mg/Kg	0
Benzidine	< 6.1 mg/Kg	6.1 mg/Kg	1
Pyrene	13 mg/Kg	1.2 mg/Kg	0
Butylbenzylphthalate	< 1.2 mg/Kg	1.2 mg/Kg	0
3,3-Dichlorobenzidine	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(a)anthracene	8.6 mg/Kg	1.2 mg/Kg	0
Chrysene	8.2 mg/Kg	1.2 mg/Kg	0
bis(2-Ethylhexyl)phthalate	< 1.2 mg/Kg	1.2 mg/Kg	0
di-n-Octylphthalate	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(b)fluoranthene	13 mg/Kg	1.2 mg/Kg	0
Benzo(k)fluoranthene	9.7 mg/Kg	1.2 mg/Kg	0
Benzo(a)pyrene	11 mg/Kg	1.2 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	6.4 mg/Kg	1.2 mg/Kg	0
Dibenzo(a,h)anthracene	1.7 mg/Kg	1.2 mg/Kg	0
Benzo(g,h,i)perylene	6.7 mg/Kg	1.2 mg/Kg	0

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North Carolina Department of Health & Human Services Certification # 37804
South Carolina (DHEC) Laboratory ID # 99005 North Carolina (DENR) Certification # 248

Sample ID # : **22019384** Job # : **02-MAY-0652**

Sample Description: **BRAM-525W**

Collection Date: **29-May-02 16:10:00** Site : BRAMLETT ST Sample Type: MGP SOIL Desktop #

VOC IN SOIL BY GC/MS - 8260

Test Code: **MS8260_S** Test Method: **SW-846 5030B/8260B** Date Posted: **06/07/02**

	Result	Reporting Limit	Flag
Dichlorodifluoromethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Chloromethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Vinyl chloride	< 3.0 ug/Kg	3.0 ug/Kg	0
Bromomethane	< 8.0 ug/Kg	8.0 ug/Kg	0
Chloroethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Trichlorofluoromethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Acrolein	< 30 ug/Kg	30 ug/Kg	0
1,1-Dichloroethene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Acetone	17 ug/Kg	3.0 ug/Kg	0
Methyl iodide	< 3.0 ug/Kg	3.0 ug/Kg	0
Carbon disulfide	< 3.0 ug/Kg	3.0 ug/Kg	0
Methylene chloride	< 3.0 ug/Kg	3.0 ug/Kg	0
Acrylonitrile	< 30 ug/Kg	30 ug/Kg	0
MTBE	< 3.0 ug/Kg	3.0 ug/Kg	0
trans-1,2-Dichloroethene	< 3.0 ug/Kg	3.0 ug/Kg	0
Isopropyl ether	9.1 ug/Kg	3.0 ug/Kg	0
1,1-Dichloroethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Vinyl acetate	< 3.0 ug/Kg	3.0 ug/Kg	0
2,2-Dichloropropane	< 3.0 ug/Kg	3.0 ug/Kg	0
cis-1,2-Dichloroethene	< 3.0 ug/Kg	3.0 ug/Kg	0
2-Butanone	< 8.0 ug/Kg	8.0 ug/Kg	0
Chloroform	< 3.0 ug/Kg	3.0 ug/Kg	0
1,1-Dichloropropene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,1,1-Trichloroethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Carbon tetrachloride	< 3.0 ug/Kg	3.0 ug/Kg	0
Bromochloromethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Benzene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2-Dichloroethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Trichloroethene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2-Dichloropropane	< 3.0 ug/Kg	3.0 ug/Kg	0
Dibromomethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Bromodichloromethane	< 3.0 ug/Kg	3.0 ug/Kg	0
cis-1,3-Dichloropropene	< 3.0 ug/Kg	3.0 ug/Kg	0
4-Methyl-2-pentanone (MIBK)	< 3.0 ug/Kg	3.0 ug/Kg	0
Toluene	< 3.0 ug/Kg	3.0 ug/Kg	0
trans-1,3-Dichloropropene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,1,2-Trichloroethane	< 3.0 ug/Kg	3.0 ug/Kg	0

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North Carolina Department of Health & Human Services Certification # **37804**
South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22019384** Job # : **02-MAY-0652**

Sample Description: **BRAM-525W**

Collection Date: **29-May-02 16:10:00** Site : BRAMLETT ST Sample Type: MGP SOIL Desktop #

VOC IN SOIL BY GC/MS - 8260

Test Code: **MS8260_S** Test Method: **SW-846 5030B/8260B** Date Posted: **06/07/02**

	Result	Reporting Limit	Flag
1,3-Dichloropropane	< 3.0 ug/Kg	3.0 ug/Kg	0
Tetrachloroethene	< 3.0 ug/Kg	3.0 ug/Kg	0
2-Hexanone	< 3.0 ug/Kg	3.0 ug/Kg	0
Dibromochloromethane	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2-Dibromoethane (EDB)	< 3.0 ug/Kg	3.0 ug/Kg	0
Chlorobenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
Isopropylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,1,1,2-tetrachloroethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Ethylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
m-p-Xylene	< 6.0 ug/Kg	6.0 ug/Kg	0
o-Xylene	< 3.0 ug/Kg	3.0 ug/Kg	0
Styrene	< 3.0 ug/Kg	3.0 ug/Kg	0
Bromoform	< 3.0 ug/Kg	3.0 ug/Kg	0
1,4-Dichlorobutane	< 3.0 ug/Kg	3.0 ug/Kg	0
1,1,2,2-Tetrachloroethane	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2,3-Trichloropropane	< 3.0 ug/Kg	3.0 ug/Kg	0
n-Propyl benzene	< 3.0 ug/Kg	3.0 ug/Kg	0
Bromobenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,3,5-trimethylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
2 Chlorotoluene	< 3.0 ug/Kg	3.0 ug/Kg	0
4-Chlorotoluene	< 3.0 ug/Kg	3.0 ug/Kg	0
t-Butylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2,4-Trimethylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
sec-Butylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
p-Isopropyltoluene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,3-Dichlorobenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,4-Dichlorobenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
n-Butylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2-Dichlorobenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2-Dibromo-3-chloropropane	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2,4-Trichlorobenzene	< 3.0 ug/Kg	3.0 ug/Kg	1
Hexachlorobutadiene	< 3.0 ug/Kg	3.0 ug/Kg	0
Naphthalene	< 3.0 ug/Kg	3.0 ug/Kg	1
1,2,3-Trichlorobenzene	< 3.0 ug/Kg	3.0 ug/Kg	1

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North Carolina Department of Health & Human Services Certification # **37804**
South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22019385** Job # : **02-MAY-0652**

Sample Description: **BRAM-535W**

Collection Date: **29-May-02 16:14:00** Site : **BRAMLETT ST** Sample Type: **MGP SOIL** Desktop #

SVOC IN SOIL BY GC/MS - 8270

Test Code: **MS8270_S** Test Method: **SW-846 8270C** Date Posted: **06/12/02**

	Result	Reporting Limit	Flag
Pyridine	< 1.2 mg/Kg	1.2 mg/Kg	1
n-Nitrosodimethylamine	< 1.2 mg/Kg	1.2 mg/Kg	0
Aniline	< 1.2 mg/Kg	1.2 mg/Kg	1
Phenol	< 1.2 mg/Kg	1.2 mg/Kg	0
bis(2-Chloroethyl)ether	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Chlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
1,3-Dichlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
1,4-Dichlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzyl alcohol	< 1.2 mg/Kg	1.2 mg/Kg	0
1,2-Dichlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Methylphenol	< 1.2 mg/Kg	1.2 mg/Kg	0
bis(2-Chloroisopropyl)ether	< 1.2 mg/Kg	1.2 mg/Kg	0
4-Methylphenol	< 1.2 mg/Kg	1.2 mg/Kg	0
Hexachloroethane	< 1.2 mg/Kg	1.2 mg/Kg	1
n-Nitrosodi-n-propylamine	< 1.2 mg/Kg	1.2 mg/Kg	0
Nitrobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
Isophorone	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Nitrophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
2,4-Dimethylphenol	< 1.2 mg/Kg	1.2 mg/Kg	0
bis(2-Chloroethoxy)methane	< 1.2 mg/Kg	1.2 mg/Kg	0
2,4-Dichlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzoic acid	< 1.2 mg/Kg	1.2 mg/Kg	1
1,2,4-Trichlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
Naphthalene	2.5 mg/Kg	1.2 mg/Kg	0
4-Chloroaniline	< 1.2 mg/Kg	1.2 mg/Kg	1
Hexachlorobutadiene	< 1.2 mg/Kg	1.2 mg/Kg	0
4-Chloro-3-methylphenol	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Methylnaphthalene	2.4 mg/Kg	1.2 mg/Kg	0
Hexachlorocyclopentadiene	< 1.2 mg/Kg	1.2 mg/Kg	1
2,4,6-Trichlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
2,4,5-Trichlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Chloronaphthalene	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Nitroaniline	< 1.2 mg/Kg	1.2 mg/Kg	0
Dimethylphthalate	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthylene	25 mg/Kg	12 mg/Kg	0
2,6-Dinitrotoluene	< 1.2 mg/Kg	1.2 mg/Kg	0
3-Nitroaniline	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthene	1.2 mg/Kg	1.2 mg/Kg	0

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North Carolina Department of Health & Human Services Certification # **37804**
South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22019385** Job # : **02-MAY-0652**

Sample Description: **BRAM-535W**

Collection Date: **29-May-02 16:14:00** Site : BRAMLETT ST Sample Type: MGP SOIL Desktop #

SVOC IN SOIL BY GC/MS - 8270

Test Code: **MS8270_S** Test Method: **SW-846 8270C** Date Posted: **06/12/02**

	Result	Reporting Limit	Flag
2,4-Dinitrophenol	< 1.2 mg/Kg	1.2 mg/Kg	1
4-Nitrophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
Dibenzofuran	3.0 mg/Kg	1.2 mg/Kg	0
2,4-Dinitrotoluene	< 1.2 mg/Kg	1.2 mg/Kg	0
Diethylphthalate	< 1.2 mg/Kg	1.2 mg/Kg	0
Fluorene	5.0 mg/Kg	1.2 mg/Kg	0
4-Chlorophenylphenylether	< 1.2 mg/Kg	1.2 mg/Kg	0
4-Nitroaniline	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Methyl-4,6-dinitrophenol	< 1.2 mg/Kg	1.2 mg/Kg	1
n-Nitrosodiphenylamine	< 1.2 mg/Kg	1.2 mg/Kg	0
1,2-Diphenylhydrazine	< 1.2 mg/Kg	1.2 mg/Kg	0
4-Bromophenylphenylether	< 1.2 mg/Kg	1.2 mg/Kg	0
Hexachlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
Pentachlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
Phenanthrene	54 mg/Kg	12 mg/Kg	0
Anthracene	17 mg/Kg	12 mg/Kg	0
di-n-Butylphthalate	5.1 mg/Kg	1.2 mg/Kg	0
Fluoranthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzidine	< 5.9 mg/Kg	5.9 mg/Kg	1
Pyrene	270 mg/Kg	12 mg/Kg	1
Butylbenzylphthalate	< 1.2 mg/Kg	1.2 mg/Kg	0
3,3-Dichlorobenzidine	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(a)anthracene	120 mg/Kg	12 mg/Kg	0
Chrysene	98 mg/Kg	12 mg/Kg	0
bis(2-Ethylhexyl)phthalate	< 1.2 mg/Kg	1.2 mg/Kg	0
di-n-Octylphthalate	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(b)fluoranthene	64 mg/Kg	12 mg/Kg	0
Benzo(k)fluoranthene	82 mg/Kg	12 mg/Kg	0
Benzo(a)pyrene	120 mg/Kg	12 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	38 mg/Kg	12 mg/Kg	0
Dibenzo(a,h)anthracene	9.5 mg/Kg	1.2 mg/Kg	0
Benzo(g,h,i)perylene	42 mg/Kg	12 mg/Kg	0

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South Carolina (DHEC) Laboratory ID # 99005 North Carolina (DENR) Certification # 248

Sample ID # : **22019385** Job # : **02-MAY-0652**

Sample Description: **BRAM-535W**

Collection Date: **29-May-02 16:14:00** Site : BRAMLETT ST Sample Type: MGP SOIL Desktop #

VOC IN SOIL BY GC/MS - 8260

Test Code: **MS8260_S** Test Method: **SW-846 5030B/8260B** Date Posted: **06/07/02**

	Result	Reporting Limit	Flag
Dichlorodifluoromethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Chloromethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Vinyl chloride	< 3.0 ug/Kg	3.0 ug/Kg	0
Bromomethane	< 8.0 ug/Kg	8.0 ug/Kg	0
Chloroethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Trichlorofluoromethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Acrolein	< 30 ug/Kg	30 ug/Kg	0
1,1-Dichloroethene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Acetone	60 ug/Kg	3.0 ug/Kg	0
Methyl iodide	< 3.0 ug/Kg	3.0 ug/Kg	0
Carbon disulfide	< 3.0 ug/Kg	3.0 ug/Kg	0
Methylene chloride	< 3.0 ug/Kg	3.0 ug/Kg	0
Acrylonitrile	< 30 ug/Kg	30 ug/Kg	0
MTBE	< 3.0 ug/Kg	3.0 ug/Kg	0
trans-1,2-Dichloroethene	< 3.0 ug/Kg	3.0 ug/Kg	0
Isopropyl ether	< 3.0 ug/Kg	3.0 ug/Kg	0
1,1-Dichloroethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Vinyl acetate	< 3.0 ug/Kg	3.0 ug/Kg	0
2,2-Dichloropropane	< 3.0 ug/Kg	3.0 ug/Kg	0
cis-1,2-Dichloroethene	< 3.0 ug/Kg	3.0 ug/Kg	0
2-Butanone	< 8.0 ug/Kg	8.0 ug/Kg	0
Chloroform	< 3.0 ug/Kg	3.0 ug/Kg	0
1,1-Dichloropropene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,1,1-Trichloroethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Carbon tetrachloride	< 3.0 ug/Kg	3.0 ug/Kg	0
Bromochloromethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Benzene	12 ug/Kg	3.0 ug/Kg	0
1,2-Dichloroethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Trichloroethene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2-Dichloropropane	< 3.0 ug/Kg	3.0 ug/Kg	0
Dibromomethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Bromodichloromethane	< 3.0 ug/Kg	3.0 ug/Kg	0
cis-1,3-Dichloropropene	< 3.0 ug/Kg	3.0 ug/Kg	0
4-Methyl-2-pentanone (MIBK)	< 3.0 ug/Kg	3.0 ug/Kg	0
Toluene	4.0 ug/Kg	3.0 ug/Kg	0
trans-1,3-Dichloropropene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,1,2-Trichloroethane	< 3.0 ug/Kg	3.0 ug/Kg	0

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Sample ID # : **22019385** Job # : **02-MAY-0652**

Sample Description: **BRAM-535W**

Collection Date: **29-May-02 16:14:00** Site : BRAMLETT ST Sample Type: MGP SOIL Desktop #

VOC IN SOIL BY GC/MS - 8260

Test Code: **MS8260_S** Test Method: **SW-846 5030B/8260B** Date Posted: **06/07/02**

	Result	Reporting Limit	Flag
1,3-Dichloropropane	< 3.0 ug/Kg	3.0 ug/Kg	0
Tetrachloroethene	< 3.0 ug/Kg	3.0 ug/Kg	0
2-Hexanone	< 3.0 ug/Kg	3.0 ug/Kg	0
Dibromochloromethane	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2-Dibromoethane (EDB)	< 3.0 ug/Kg	3.0 ug/Kg	0
Chlorobenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
Isopropylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,1,1,2-tetrachloroethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Ethylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
m-p-Xylene	< 6.0 ug/Kg	6.0 ug/Kg	0
o-Xylene	< 3.0 ug/Kg	3.0 ug/Kg	0
Styrene	< 3.0 ug/Kg	3.0 ug/Kg	0
Bromoform	< 3.0 ug/Kg	3.0 ug/Kg	0
1,4-Dichlorobutane	< 3.0 ug/Kg	3.0 ug/Kg	0
1,1,2,2-Tetrachloroethane	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2,3-Trichloropropane	< 3.0 ug/Kg	3.0 ug/Kg	0
n-Propyl benzene	< 3.0 ug/Kg	3.0 ug/Kg	0
Bromobenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,3,5-trimethylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
2-Chlorotoluene	< 3.0 ug/Kg	3.0 ug/Kg	0
4-Chlorotoluene	< 3.0 ug/Kg	3.0 ug/Kg	0
t-Butylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2,4-Trimethylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
sec-Butylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
p-Isopropyltoluene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,3-Dichlorobenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,4-Dichlorobenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
n-Butylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2-Dichlorobenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2-Dibromo-3-chloropropane	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2,4-Trichlorobenzene	< 3.0 ug/Kg	3.0 ug/Kg	1
Hexachlorobutadiene	< 3.0 ug/Kg	3.0 ug/Kg	0
Naphthalene	12 ug/Kg	3.0 ug/Kg	1
1,2,3-Trichlorobenzene	< 3.0 ug/Kg	3.0 ug/Kg	1

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South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22019386** Job # :- **02-MAY-0652**

Sample Description: **BRAM-54B**

Collection Date: **29-May-02 16:20:00** Site : BRAMLETT ST Sample Type: MGP SOIL Desktop #

SVOC IN SOIL BY GC/MS - 8270

Test Code: **MS8270_S** Test Method: **SW-846 8270C** Date Posted: **06/12/02**

	Result	Reporting Limit	Flag
Pyridine	< 1.2 mg/Kg	1.2 mg/Kg	1
n-Nitrosodimethylamine	< 1.2 mg/Kg	1.2 mg/Kg	0
Aniline	< 1.2 mg/Kg	1.2 mg/Kg	1
Phenol	< 1.2 mg/Kg	1.2 mg/Kg	0
bis(2-Chloroethyl)ether	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Chlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
1,3-Dichlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
1,4-Dichlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzyl alcohol	< 1.2 mg/Kg	1.2 mg/Kg	0
1,2-Dichlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Methylphenol	< 1.2 mg/Kg	1.2 mg/Kg	0
bis(2-Chloroisopropyl)ether	< 1.2 mg/Kg	1.2 mg/Kg	0
4-Methylphenol	< 1.2 mg/Kg	1.2 mg/Kg	0
Hexachloroethane	< 1.2 mg/Kg	1.2 mg/Kg	1
n-Nitrosodi-n-propylamine	< 1.2 mg/Kg	1.2 mg/Kg	0
Nitrobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
Isophorone	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Nitrophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
2,4-Dimethylphenol	< 1.2 mg/Kg	1.2 mg/Kg	0
bis(2-Chloroethoxy)methane	< 1.2 mg/Kg	1.2 mg/Kg	0
2,4-Dichlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzoic acid	< 1.2 mg/Kg	1.2 mg/Kg	1
1,2,4-Trichlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
Naphthalene	< 1.2 mg/Kg	1.2 mg/Kg	0
4-Chloroaniline	< 1.2 mg/Kg	1.2 mg/Kg	1
Hexachlorobutadiene	< 1.2 mg/Kg	1.2 mg/Kg	0
4-Chloro-3-methylphenol	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Methylnaphthalene	< 1.2 mg/Kg	1.2 mg/Kg	0
Hexachlorocyclopentadiene	< 1.2 mg/Kg	1.2 mg/Kg	1
2,4,6-Trichlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
2,4,5-Trichlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Chloronaphthalene	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Nitroaniline	< 1.2 mg/Kg	1.2 mg/Kg	0
Dimethylphthalate	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthylene	< 1.2 mg/Kg	1.2 mg/Kg	0
2,6-Dinitrotoluene	< 1.2 mg/Kg	1.2 mg/Kg	0
3-Nitroaniline	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthene	< 1.2 mg/Kg	1.2 mg/Kg	0

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South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22019386** Job # : **02-MAY-0652**

Sample Description: **BRAM-54B**

Collection Date: **29-May-02 16:20:00** Site : **BRAMLETT ST** Sample Type: **MGP SOIL** Desktop #

SVOC IN SOIL BY GC/MS - 8270

Test Code: **MS8270_S** Test Method: **SW-846 8270C** Date Posted: **06/12/02**

	Result	Reporting Limit	Flag
2,4-Dinitrophenol	< 1.2 mg/Kg	1.2 mg/Kg	1
4-Nitrophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
Dibenzofuran	< 1.2 mg/Kg	1.2 mg/Kg	0
2,4-Dinitrotoluene	< 1.2 mg/Kg	1.2 mg/Kg	0
Diethylphthalate	< 1.2 mg/Kg	1.2 mg/Kg	0
Fluorene	< 1.2 mg/Kg	1.2 mg/Kg	0
4-Chlorophenylphenylether	< 1.2 mg/Kg	1.2 mg/Kg	0
4-Nitroaniline	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Methyl-4,6-dinitrophenol	< 1.2 mg/Kg	1.2 mg/Kg	1
n-Nitrosodiphenylamine	< 1.2 mg/Kg	1.2 mg/Kg	0
1,2-Diphenylhydrazine	< 1.2 mg/Kg	1.2 mg/Kg	0
4-Bromophenylphenylether	< 1.2 mg/Kg	1.2 mg/Kg	0
Hexachlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
Pentachlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
Phenanthrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Anthracene	< 1.2 mg/Kg	1.2 mg/Kg	0
di-n-Butylphthalate	3.7 mg/Kg	1.2 mg/Kg	0
Fluoranthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzidine	< 5.8 mg/Kg	5.8 mg/Kg	1
Pyrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Butylbenzylphthalate	< 1.2 mg/Kg	1.2 mg/Kg	0
3,3-Dichlorobenzidine	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(a)anthracene	< 1.2 mg/Kg	1.2 mg/Kg	0
Chrysene	< 1.2 mg/Kg	1.2 mg/Kg	0
bis(2-Ethylhexyl)phthalate	< 1.2 mg/Kg	1.2 mg/Kg	0
di-n-Octylphthalate	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(b)fluoranthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(k)fluoranthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(a)pyrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Dibenzo(a,h)anthracene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(g,h,i)perylene	< 1.2 mg/Kg	1.2 mg/Kg	0

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Sample ID # : **22019386** Job # : **02-MAY-0652**

Sample Description: **BRAM-54B**

Collection Date: **29-May-02 16:20:00** Site : BRAMLETT ST Sample Type: MGP SOIL Desktop #

VOC IN SOIL BY GC/MS - 8260

Test Code: **MS8260_S** Test Method: **SW-846 5030B/8260B** Date Posted: **06/07/02**

	Result	Reporting Limit	Flag
Dichlorodifluoromethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Chloromethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Vinyl chloride	< 3.0 ug/Kg	3.0 ug/Kg	0
Bromomethane	< 6.0 ug/Kg	6.0 ug/Kg	0
Chloroethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Trichlorofluoromethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Acrolein	< 30 ug/Kg	30 ug/Kg	0
1,1-Dichloroethene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Acetone	8.7 ug/Kg	3.0 ug/Kg	0
Methyl iodide	< 3.0 ug/Kg	3.0 ug/Kg	0
Carbon disulfide	< 3.0 ug/Kg	3.0 ug/Kg	0
Methylene chloride	< 3.0 ug/Kg	3.0 ug/Kg	0
Acrylonitrile	< 30 ug/Kg	30 ug/Kg	0
MTBE	< 3.0 ug/Kg	3.0 ug/Kg	0
trans-1,2-Dichloroethene	< 3.0 ug/Kg	3.0 ug/Kg	0
Isopropyl ether	< 3.0 ug/Kg	3.0 ug/Kg	0
1,1-Dichloroethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Vinyl acetate	< 3.0 ug/Kg	3.0 ug/Kg	0
2,2-Dichloropropane	< 3.0 ug/Kg	3.0 ug/Kg	0
cis-1,2-Dichloroethene	< 3.0 ug/Kg	3.0 ug/Kg	0
2-Butanone	< 6.0 ug/Kg	6.0 ug/Kg	0
Chloroform	< 3.0 ug/Kg	3.0 ug/Kg	0
1,1-Dichloropropene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,1,1-Trichloroethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Carbon tetrachloride	< 3.0 ug/Kg	3.0 ug/Kg	0
Bromochloromethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Benzene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2-Dichloroethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Trichloroethene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2-Dichloropropane	< 3.0 ug/Kg	3.0 ug/Kg	0
Dibromomethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Bromodichloromethane	< 3.0 ug/Kg	3.0 ug/Kg	0
cis-1,3-Dichloropropene	< 3.0 ug/Kg	3.0 ug/Kg	0
4-Methyl-2-pentanone (MIBK)	< 3.0 ug/Kg	3.0 ug/Kg	0
Toluene	< 3.0 ug/Kg	3.0 ug/Kg	0
trans-1,3-Dichloropropene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,1,2-Trichloroethane	< 3.0 ug/Kg	3.0 ug/Kg	0

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South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22019386** Job # : **02-MAY-0652**

Sample Description: **BRAM-54B**

Collection Date: **29-May-02 16:20:00** Site : BRAMLETT ST Sample Type: MGP SOIL Desktop #

VOC IN SOIL BY GC/MS - 8260

Test Code: **MS8260_S** Test Method: **SW-846 5030B/8260B** Date Posted: **06/07/02**

	Result	Reporting Limit	Flag
1,3-Dichloropropane	< 3.0 ug/Kg	3.0 ug/Kg	0
Tetrachloroethene	< 3.0 ug/Kg	3.0 ug/Kg	0
2-Hexanone	< 3.0 ug/Kg	3.0 ug/Kg	0
Dibromochloromethane	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2-Dibromoethane (EDB)	< 3.0 ug/Kg	3.0 ug/Kg	0
Chlorobenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
Isopropylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,1,1,2-tetrachloroethane	< 3.0 ug/Kg	3.0 ug/Kg	0
Ethylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
m-p-Xylene	< 5.0 ug/Kg	5.0 ug/Kg	0
o-Xylene	< 3.0 ug/Kg	3.0 ug/Kg	0
Styrene	< 3.0 ug/Kg	3.0 ug/Kg	0
Bromoform	< 3.0 ug/Kg	3.0 ug/Kg	0
1,4-Dichlorobutane	< 3.0 ug/Kg	3.0 ug/Kg	0
1,1,2,2-Tetrachloroethane	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2,3-Trichloropropane	< 3.0 ug/Kg	3.0 ug/Kg	0
n-Propyl benzene	< 3.0 ug/Kg	3.0 ug/Kg	0
Bromobenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,3,5-trimethylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
2-Chlorotoluene	< 3.0 ug/Kg	3.0 ug/Kg	0
4-Chlorotoluene	< 3.0 ug/Kg	3.0 ug/Kg	0
t-Butylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2,4-Trimethylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
sec-Butylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
p-Isopropyltoluene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,3-Dichlorobenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,4-Dichlorobenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
n-Butylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2-Dichlorobenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2-Dibromo-3-chloropropane	< 3.0 ug/Kg	3.0 ug/Kg	0
1,2,4-Trichlorobenzene	< 3.0 ug/Kg	3.0 ug/Kg	1
Hexachlorobutadiene	< 3.0 ug/Kg	3.0 ug/Kg	0
Naphthalene	23 ug/Kg	3.0 ug/Kg	1

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Sample ID # : **22019386** Job # : **02-MAY-0652**

Sample Description: **BRAM-54B**

Collection Date: 29-May-02 16:20:00 Site : BRAMLETT ST Sample Type: MGP SOIL Desktop #

VOC IN SOIL BY GC/MS - 8260

Test Code: MS8260_S Test Method: SW-846 5030B/8260B Date Posted: 06/07/02

	Result	Reporting Limit	Flag
1,2,3-Trichlorobenzene	< 3.0 ug/Kg	3.0 ug/Kg	1

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration, *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration.
7 - Reported concentration is the combination of more that one aroclor. (Reported Aroclor is the Aroclor of highest concentration in the sample)

Troy Whisenant 6/13/02
Data Reported By, Date

Sample Name	22019383 - BRAMLETT - 515W	**Data File Name**	0606_09.D
Misc Info	02-MAY-0652	**Data File Path**	C:\HPCHEM\1\DATA\06-06-02\

Tentatively Identified Compounds Report

Compound	Estimated Concentration (mg/Kg)	Library Match Probability (%)	Retention Time (Minutes)	Identification Basis: Library Match	Identification Basis: Manual Interpretation	Comments
STYRENE	12.5	97	7.95			
SUBSTITUDED BENZENE	9.1	96	9.79			
SUBSTITUDED PHENOL	7.5	78	12.08			
SUBSTITUDED INDENE	4.4	94	12.62			
SUBSTITUDED BENZENE	4.2	87	13.63			

Internal Standard	RT (Minutes)
1,4-Dichlorobenzene-d4	10.11
Naphthalene-d8	13.07
Acenaphthene-d10	17.43
Phenanthrene-d10	21.09
Chyrsene-d12	27.83
Perylene-d12	33.40

Acid Surrogate	% Recovery
2-Fluorophenol	77
Phenol-d6	82
2,4,6-Tribromophenol	85

B/N Surrogates	% Recovery
Nitrobenzene-d5	75
2-Fluorobiphenyl	79
Terphenyl-d14	93

USEPA 8270/625 GC Conditions
30mx0.25mmx0.5um
J&W HP-5MS

Sample Name	22019384 - BRAMLETT - 525W	**Data File Name**	0606_10.D
Misc Info	02-MAY-0652	**Data File Path**	C:\HPCHEM\1\DATA\06-06-02\

Tentatively Identified Compounds Report

Compound	Estimated Concentration (mg/Kg)	Library Match Probability (%)	Retention Time (Minutes)	Identification Basis: Library Match	Identification Basis: Manual Interpretation	Comments
TRIETHYLENE GLYCOL	5.6	90	13.49			

Internal Standard	RT (Minutes)
1,4-Dichlorobenzene-d4	10.12
Naphthalene-d8	13.07
Acenaphthene-d10	17.43
Phenanthrene-d10	21.09
Chyrsene-d12	27.81
Perylene-d12	33.38

Acid Surrogate	% Recovery
2-Fluorophenol	76
Phenol-d6	79
2,4,6-Tribromophenol	90

B/N Surrogates	% Recovery
Nitrobenzene-d5	73
2-Fluorobiphenyl	76
Terphenyl-d14	98

USEPA 8270/625 GC Conditions
30mx0.25mmx0.5um
J&W HP-5MS

Sample Name	22019385 - BRAMLETT - 535W	Data File Name	0606_11.D
Misc Info	02-MAY-0652	Data File Path	C:\HPCHEM\1\DATA\06-06-02\

Tentatively Identified Compounds Report

Compound	Estimated Concentration (mg/Kg)	Library Match Probability (%)	Retention Time (Minutes)	Identification Basis: Library Match	Identification Basis: Manual Interpretation	Comments
SUBSTITUDED BENZENE	2.4	95	9.79			
SUBSTITUDED NAPHTHALENE	3	97	16.56			
SUBSTITUDED NAPHTHALENE	8	96	16.69			
SUBSTITUDED NAPHTHALENE	2.6	98	18			
SUBSTITUDED METHANE	2.6	72	18.15			
SUBSTITUDED ALDEHYDE	4.1	81	19.18			
SUBSTITUDED PHENANTHRENE	5.6	83	22.7			
SUBSTITUDED PHENANTHRENE	2.9	95	23.8			
SUBSTITUDED FLUORENE	2.4	96	25.76			

Internal Standard	RT (Minutes)
1,4-Dichlorobenzene-d4	10.12
Naphthalene-d8	13.08
Acenaphthene-d10	17.43
Phenanthrene-d10	21.11
Chyrsene-d12	27.91
Perylene-d12	33.48

Acid Surrogate	% Recovery
2-Fluorophenol	81
Phenol-d6	85
2,4,6-Tribromophenol	79

B/N Surrogates	% Recovery
Nitrobenzene-d5	79
2-Fluorobiphenyl	80
Terphenyl-d14	131

USEPA 8270/625 GC Conditions
30mx0.25mmx0.5um
J&W HP-5MS

Sample Name	22019386 - BRAMLETT - 54B	Data File Name	0606_12.D
Misc Info	02-MAY-0652	Data File Path	C:\HPCHEM\1\DATA\06-06-02\

Tentatively Identified Compounds Report

Compound	Estimated Concentration (mg/Kg)	Library Match Probability (%)	Retention Time (Minutes)	Identification Basis: Library Match	Identification Basis: Manual Interpretation	Comments
UNKNOWN	13.6	50	6.97			
UNKNOWN	5.8	53	24.5			
SUBSTITUDED PHOSPHORIC ACID	3.2	99	26.79			

Internal Standard	RT (Minutes)
1,4-Dichlorobenzene-d4	10.11
Naphthalene-d8	13.07
Acenaphthene-d10	17.43
Phenanthrene-d10	21.09
Chyrsene-d12	27.79
Perylene-d12	33.35

Acid Surrogate	% Recovery
2-Fluorophenol	68
Phenol-d6	67
2,4,6-Tribromophenol	78

B/N Surrogates	% Recovery
Nitrobenzene-d5	64
2-Fluorobiphenyl	63
Terphenyl-d14	96

USEPA 8270/625 GC Conditions
30mx0.25mmx0.5um
J&W HP-5MS

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Form 89962 (9-97)
Previously Form 35226

Duke Power's Analytical Laboratory
MNS Bldg. # 7405 (MG03A2)
13339 Hagers Ferry Road
Huntersville, NC 28078
Phone: (704) 875-5209/875-5245[1]
Fax: (704) 875-5038

LAB USE[8]

LIMS #	Sample Class
02-JUN-0276	SOIL

Logged By (Ini.)	Time	Date
TBC	1436	6/13/02

Vendored Samples

Vendor	Analysis

Vendor	P.O. #

CLIENT[2]: Tim Hunsucker Report to/Ph.[4]:
Project Name[3]: Richard Bacon Mail Code: MG03A8
FMIS # Business Unit[4]: Resp. Center To: 0193
Project ID[5]: MGP BRAM
Activity ID[6]: All ACTV
Process[7]:

Container Type: ( )Glass ( )Plastic[13]

Preservative Added[14]

HNO_3	
H_2SO_4	
Ice	
Other	
None	

Sample #[9]	Lab PROFS #[10]	Sample Description or ID[11]	Collection Information[12] Date	Time	Signature	GRAB[16]	COMP[17]	Analysis Required[15] EPA 8260	EPA 8270	TOTAL # OF CONTAINERS[18]
	2202									
BRAM 555W	1399	BRAM 555W	6/5/02	1300	Kenneth Cobb	X		X	X	
BRAM 565W	1400	BRAM 565W	6/5/02	1312						
BRAM 575W	1401	BRAM 575W	6/10/02	1410						
BRAM 58B	1402	BRAM 58B	6/10/02	1430						
BRAM 595W	1403	BRAM 595W	6/11/02	0740						
BRAM 60B	1404	BRAM 60B	6/11/02	0810						
BRAM 615W	1405	BRAM 615W	6/11/02	1045						
BRAM 62B	1406	BRAM 62B	6/11/02	1110						
BRAM 635W	1407	BRAM 635W	6/12/02	0815						
BRAM 64B	1408	BRAM 64B	6/12/02	0830						

Relinquished by:[19]	Date/Time	Accepted By:	Date/Time
Kenneth Cobb	6/13/02 / 0730	Kenneth Ramey	6/13/02 / 0730
Relinquished by:	Date/Time	Accepted By:	Date/Time
Kenneth A Ramey	6/13/02 / 1420	Troy Whisenant	6/13/02 1420
Seal/Locked by[20]	Date/Time	Seal/Lock Opened By:	Date/Time

Turnaround Requested[21]
- ☑ Routine (2 weeks)
- ☐ Rush (1 week)
- ☐ Emergency Rush (24-48 Hrs.)*

Date Results Requested: _____
*Additional Charges Will Apply

Sample Matrix[22] NC ☐ SC ☐
Ground Water ☐ NPDES ☐
Drinking Water ☐ UST ☐
RCRA Waste ☐ Other ☐

TEMP:[23]

Comments:[24]

See Instructions on the back of this form.

Original - AL Files[25] Copy 1- AL Files Copy 2 – Client Copy

Duke Energy SM

8260 Analysis Case Narrative

(This document must accompany release of Analytical Data)

LIMS Job # 02-JUN-0276

Worklist # 02-JUN-0386

- The percent recovery in the Continuing Standard for toluene exceeded the laboratory quality control limits. The result for this compound in sample # 22021405 should be considered as an estimate.

Therona James

Analyst
Therona James

Duke Energy Analytical Laboratory Services

Environment, Health & Safety Services
Phone 704-875-5245
FAX 704 875 5038

Environmental Center – MG03A2
13339 Hagers Ferry Road
Huntersville NC 28078-7929

Duke Energy SM

8270/625 Analysis Case Narrative

(This document must accompany release of Analytical Data)

LIMS Job # ***02-JUN-0276***

Worklist # ***02-JUN-0378***

- *The percent recovery for naphthalene in the laboratory control sample did not meet the laboratory control limits. The results for this analyte should be considered an estimate for all samples in Job #02-JUN-0276.*
- *The percent recovery and/or the average percent recovery for naphthalene and 2-methylnaphthalene in the Matrix Spike and Matrix Spike Duplicate did not meet the laboratory control limits. The results for these analytes should be considered estimates for sample 22021399.*
- *Sample #22021407 had to be diluted to remove significant matrix interferences. This dilution results in an elevated reporting limit for all analytes.*

Richard L. Engel

Analyst Signature

Richard L. Engel

Duke Energy Analytical Laboratory Services

Environment, Health & Safety Services
Phone 704-875-5245
FAX 704-875-5038

Environmental Center – MG03A2
13339 Hagers Ferry Road
Huntersville NC 28078-7929

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Environment, Health and Safety Services
Phone: 704-875-5245
Fax: 704-875-5038

13339 Hagers Ferry Road
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South Carolina (DHEC) Laboratory ID # 99005 North Carolina (DENR) Certification # 248

Sample ID # : **22021399** Job # : **02-JUN-0276**

Sample Description: **BRAM 555W**

Collection Date: 5-Jun-02 13:00:00 Site : BRAMLETT Type of Sample : MGP SOIL

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code MS8260MGPS Test Method: SW-846 5030B/8260B Date Posted: 06/26/02 By: TTJ9266

	Result	Reporting Limit	Flag
Benzene	< 3.0 ug/Kg	3.0 ug/Kg	0
Toluene	< 3.0 ug/Kg	3.0 ug/Kg	0
Ethylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
m-p-Xylene	< 5.0 ug/Kg	5.0 ug/Kg	0
o-Xylene	< 3.0 ug/Kg	3.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code MS8270MGPS Test Method: SW-846 8270C Date Posted: 06/26/02 By: RLE9599

	Result	Reporting Limit	Flag
Naphthalene	< 0.36 mg/Kg	0.36 mg/Kg	1
2-Methylnaphthalene	< 0.36 mg/Kg	0.36 mg/Kg	1
Acenaphthylene	< 0.36 mg/Kg	0.36 mg/Kg	0
Acenaphthene	< 0.36 mg/Kg	0.36 mg/Kg	0
Dibenzofuran	< 0.36 mg/Kg	0.36 mg/Kg	0
Fluorene	< 0.36 mg/Kg	0.36 mg/Kg	0
Phenanthrene	< 0.36 mg/Kg	0.36 mg/Kg	0
Anthracene	< 0.36 mg/Kg	0.36 mg/Kg	0
Fluoranthene	< 0.36 mg/Kg	0.36 mg/Kg	0
Pyrene	< 0.36 mg/Kg	0.36 mg/Kg	0
Benzo(a)anthracene	< 0.36 mg/Kg	0.36 mg/Kg	0
Chrysene	< 0.36 mg/Kg	0.36 mg/Kg	0
Benzo(b)fluoranthene	< 0.36 mg/Kg	0.36 mg/Kg	0
Benzo(k)fluoranthene	< 0.36 mg/Kg	0.36 mg/Kg	0
Benzo(a)pyrene	< 0.36 mg/Kg	0.36 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 0.36 mg/Kg	0.36 mg/Kg	0
Dibenzo(a,h)anthracene	< 0.36 mg/Kg	0.36 mg/Kg	0

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Phone. 704-875-5245
Fax 704-875-5038
13339 Hagers Ferry Road
Huntersville, NC 28078-7929
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Sample ID # 22021399 Job # : 02-JUN-0276

Sample Description BRAM 555W

Collection Date 5-Jun-02 13:00:00 Site : BRAMLETT Type of Sample : MGP SOIL

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code MS8270MGPS Test Method: SW-846 8270C Date Posted: 06/26/02 By: RLE9599

	Result	Reporting Limit	Flag
Benzo(g,h,i)perylene	< 0.36 mg/Kg	0.36 mg/Kg	0

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration, *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration
7 - Reported concentration is the combination of more that one aroclor (Reported Aroclor is the Aroclor of highest concentration in the sample)

Data Reported By, Date

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Fax 704-875-5038
13339 Hagers Ferry Road
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Sample ID # : **22021400** Job # : **02-JUN-0276**

Sample Description: **BRAM 565W**

Collection Date: 5-Jun-02 13:12:00 Site : BRAMLETT Type of Sample : MGP SOIL

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: MS8260MGPS Test Method: SW-846 5030B/8260B Date Posted: 06/26/02 By: TTJ9266

	Result		Reporting Limit		Flag
Benzene	< 3.0	ug/Kg	3.0	ug/Kg	0
Toluene	< 3.0	ug/Kg	3.0	ug/Kg	0
Ethylbenzene	< 3.0	ug/Kg	3.0	ug/Kg	0
m,p-Xylene	< 5.0	ug/Kg	5.0	ug/Kg	0
o-Xylene	< 3.0	ug/Kg	3.0	ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code MS8270MGPS Test Method: SW-846 8270C Date Posted: 06/26/02 By: RLE9599

	Result		Reporting Limit		Flag
Naphthalene	< 0.32	mg/Kg	0.32	mg/Kg	1
2-Methylnaphthalene	< 0.32	mg/Kg	0.32	mg/Kg	0
Acenaphthylene	0.65	mg/Kg	0.32	mg/Kg	0
Acenaphthene	< 0.32	mg/Kg	0.32	mg/Kg	0
Dibenzofuran	< 0.32	mg/Kg	0.32	mg/Kg	0
Fluorene	< 0.32	mg/Kg	0.32	mg/Kg	0
Phenanthrene	4.0	mg/Kg	0.32	mg/Kg	0
Anthracene	0.72	mg/Kg	0.32	mg/Kg	0
Fluoranthene	6.5	mg/Kg	3.2	mg/Kg	0
Pyrene	5.8	mg/Kg	3.2	mg/Kg	0
Benzo(a)anthracene	< 0.32	mg/Kg	0.32	mg/Kg	0
Chrysene	3.1	mg/Kg	0.32	mg/Kg	0
Benzo(b)fluoranthene	2.6	mg/Kg	0.32	mg/Kg	0
Benzo(k)fluoranthene	2.9	mg/Kg	0.32	mg/Kg	0
Benzo(a)pyrene	3.0	mg/Kg	0.32	mg/Kg	0
Indeno(1,2,3-c,d)pyrene	1.7	mg/Kg	0.32	mg/Kg	0
Dibenz(a,h)anthracene	0.51	mg/Kg	0.32	mg/Kg	0

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Fax 704-875-5038
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Sample ID # : **22021400** Job # : **02-JUN-0276**

Sample Description: **BRAM 565W**

Collection Date: **5-Jun-02 13:12:00** Site : BRAMLETT Type of Sample : MGP SOIL

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: MS8270MGPS Test Method: SW-846 8270C Date Posted: 06/26/02 By: RLE9599

	Result	Reporting Limit	Flag
Benzo(g,h,i)perylene	1.6 mg/Kg	0.32 mg/Kg	0

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration (See Case Narrative)
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration.
7 - Reported concentration is the combination of more that one aroclor (Reported Aroclor is the Aroclor of highest concentration in the sample)

Data Reported By, Date

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Sample ID # : **22021401** Job # : **02-JUN-0276**

Sample Description: **BRAM 575W**

Collection Date: **10-Jun-02 14:10:00** Site : BRAMLETT Type of Sample : MGP SOIL

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: MS8260MGPS Test Method: SW-846 5030B/8260B Date Posted: 06/26/02 By: TTJ9266

	Result	Reporting Limit	Flag
Benzene	< 6.0 ug/Kg	6.0 ug/Kg	0
Toluene	< 6.0 ug/Kg	6.0 ug/Kg	0
Ethylbenzene	< 6.0 ug/Kg	6.0 ug/Kg	0
m-p-Xylene	< 12 ug/Kg	12 ug/Kg	0
o-Xylene	< 6.0 ug/Kg	6.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: MS8270MGPS Test Method: SW-846 8270C Date Posted: 06/26/02 By: RLE9599

	Result	Reporting Limit	Flag
Naphthalene	< 0.35 mg/Kg	0.35 mg/Kg	1
2-Methylnaphthalene	< 0.35 mg/Kg	0.35 mg/Kg	0
Acenaphthylene	< 0.35 mg/Kg	0.35 mg/Kg	0
Acenaphthene	0.49 mg/Kg	0.35 mg/Kg	0
Dibenzofuran	< 0.35 mg/Kg	0.35 mg/Kg	0
Fluorene	0.79 mg/Kg	0.35 mg/Kg	0
Phenanthrene	< 0.35 mg/Kg	0.35 mg/Kg	0
Anthracene	< 0.35 mg/Kg	0.35 mg/Kg	0
Fluoranthene	< 0.35 mg/Kg	0.35 mg/Kg	0
Pyrene	< 0.35 mg/Kg	0.35 mg/Kg	0
Benzo(a)anthracene	< 0.35 mg/Kg	0.35 mg/Kg	0
Chrysene	< 0.35 mg/Kg	0.35 mg/Kg	0
Benzo(b)fluoranthene	< 0.35 mg/Kg	0.35 mg/Kg	0
Benzo(k)fluoranthene	< 0.35 mg/Kg	0.35 mg/Kg	0
Benzo(a)pyrene	< 0.35 mg/Kg	0.35 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 0.35 mg/Kg	0.35 mg/Kg	0
Dibenzo(a,h)anthracene	< 0.35 mg/Kg	0.35 mg/Kg	0

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Phone: 704-875-5245
Fax: 704-875-5038
13339 Hagers Ferry Road
Huntersville, NC 28078-7929
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Sample ID # : **22021401** Job # : **02-JUN-0276**

Sample Description: **BRAM 575W**

Collection Date: **10-Jun-02 14:10:00** Site : BRAMLETT Type of Sample : MGP SOIL

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: MS8270MGPS Test Method SW-846 8270C Date Posted: 06/26/02 By: RLE9599

	Result	Reporting Limit	Flag
Benzo(g,h,i)perylene	< 0.35 mg/Kg	0.35 mg/Kg	0

Description of Flags:

0 All Analytical Procedure Requirements Were Met
1 See Case Narrative
2 Estimated Concentration, See Case Narrative
3 Report Limit Elevated due to insufficient sample amount
4 Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 Analyte detected below laboratory reporting limit at an estimated concentration.
7 - Reported concentration is the combination of more that one aroclor (Reported Aroclor is the Aroclor of highest concentration in the sample)

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Sample ID # : **22021402** Job # : **02-JUN-0276**

Sample Description: **BRAM 58B**

Collection Date: **10-Jun-02 14:30:00** Site : BRAMLETT Type of Sample : MGP SOIL

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: MS8260MGPS Test Method: SW-846 5030B/8260B Date Posted: 06/26/02 By: TTJ9266

	Result	Reporting Limit	Flag
Benzene	< 4.0 ug/Kg	4.0 ug/Kg	0
Toluene	9.1 ug/Kg	4.0 ug/Kg	0
Ethylbenzene	< 4.0 ug/Kg	4.0 ug/Kg	0
m-p-Xylene	7.7 ug/Kg	7.0 ug/Kg	0
o-Xylene	< 4.0 ug/Kg	4.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: MS8270MGPS Test Method: SW-846 8270C Date Posted: 06/26/02 By: RLE9599

	Result	Reporting Limit	Flag
Naphthalene	< 0.33 mg/Kg	0.33 mg/Kg	1
2-Methylnaphthalene	< 0.33 mg/Kg	0.33 mg/Kg	0
Acenaphthylene	< 0.33 mg/Kg	0.33 mg/Kg	0
Acenaphthene	< 0.33 mg/Kg	0.33 mg/Kg	0
Dibenzofuran	< 0.33 mg/Kg	0.33 mg/Kg	0
Fluorene	< 0.33 mg/Kg	0.33 mg/Kg	0
Phenanthrene	< 0.33 mg/Kg	0.33 mg/Kg	0
Anthracene	< 0.33 mg/Kg	0.33 mg/Kg	0
Fluoranthene	< 0.33 mg/Kg	0.33 mg/Kg	0
Pyrene	< 0.33 mg/Kg	0.33 mg/Kg	0
Benzo(a)anthracene	< 0.33 mg/Kg	0.33 mg/Kg	0
Chrysene	< 0.33 mg/Kg	0.33 mg/Kg	0
Benzo(b)fluoranthene	< 0.33 mg/Kg	0.33 mg/Kg	0
Benzo(k)fluoranthene	< 0.33 mg/Kg	0.33 mg/Kg	0
Benzo(a)pyrene	< 0.33 mg/Kg	0.33 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 0.33 mg/Kg	0.33 mg/Kg	0
Dibenzo(a,h)anthracene	< 0.33 mg/Kg	0.33 mg/Kg	0

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Sample ID # : **22021402** Job # : **02-JUN-0276**

Sample Description: **BRAM 58B**

Collection Date: **10-Jun-02 14:30:00** Site : BRAMLETT Type of Sample : MGP SOIL

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: MS8270MGPS Test Method SW-846 8270C Date Posted: 06/26/02 By: RLE9599

	Result	Reporting Limit	Flag
Benzo(g,h,i)perylene	< 0.33 mg/Kg	0.33 mg/Kg	0

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration, *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration.
7 - Reported concentration is the combination of more that one aroclor (Reported Aroclor is the Aroclor of highest concentration in the sample)

Data Reported By, Date

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Sample ID # : **22021403** Job # : **02-JUN-0276**

Sample Description: **BRAM 59SW**

Collection Date: **11-Jun-02 07:40:00** Site : BRAMLETT Type of Sample : MGP SOIL

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: MS8260MGPS Test Method: SW-846 5030B/8260B Date Posted: 06/26/02 By: TTJ9266

	Result	Reporting Limit	Flag
Benzene	< 4.0 ug/Kg	4.0 ug/Kg	0
Toluene	< 4.0 ug/Kg	4.0 ug/Kg	0
Ethylbenzene	< 4.0 ug/Kg	4.0 ug/Kg	0
m-p-Xylene	< 8.0 ug/Kg	8.0 ug/Kg	0
o-Xylene	< 4.0 ug/Kg	4.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: MS8270MGPS Test Method SW-846 8270C Date Posted: 06/26/02 By: RLE9599

	Result	Reporting Limit	Flag
Naphthalene	< 0.37 mg/Kg	0.37 mg/Kg	1
2-Methylnaphthalene	< 0.37 mg/Kg	0.37 mg/Kg	0
Acenaphthylene	< 0.37 mg/Kg	0.37 mg/Kg	0
Acenaphthene	< 0.37 mg/Kg	0.37 mg/Kg	0
Dibenzofuran	< 0.37 mg/Kg	0.37 mg/Kg	0
Fluorene	< 0.37 mg/Kg	0.37 mg/Kg	0
Phenanthrene	< 0.37 mg/Kg	0.37 mg/Kg	0
Anthracene	< 0.37 mg/Kg	0.37 mg/Kg	0
Fluoranthene	< 0.37 mg/Kg	0.37 mg/Kg	0
Pyrene	< 0.37 mg/Kg	0.37 mg/Kg	0
Benzo(a)anthracene	< 0.37 mg/Kg	0.37 mg/Kg	0
Chrysene	< 0.37 mg/Kg	0.37 mg/Kg	0
Benzo(b)fluoranthene	< 0.37 mg/Kg	0.37 mg/Kg	0
Benzo(k)fluoranthene	< 0.37 mg/Kg	0.37 mg/Kg	0
Benzo(a)pyrene	< 0.37 mg/Kg	0.37 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 0.37 mg/Kg	0.37 mg/Kg	0
Dibenzo(a,h)anthracene	< 0.37 mg/Kg	0.37 mg/Kg	0

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Sample ID # : 22021403 Job # : 02-JUN-0276

Sample Description: BRAM 59SW

Collection Date: 11-Jun-02 07:40:00 Site . BRAMLETT Type of Sample : MGP SOIL

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: MS8270MGPS Test Method: SW-846 8270C Date Posted: 06/26/02 By: RLE9599

	Result	Reporting Limit	Flag
Benzo(g,h,i)perylene	< 0.37 mg/Kg	0.37 mg/Kg	0

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration, *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration
7 - Reported concentration is the combination of more that one aroclor (Reported Aroclor is the Aroclor of highest concentration in the sample)

Data Reported By, Date

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Sample ID # : **22021404** Job # : **02-JUN-0276**

Sample Description: **BRAM 60B**

Collection Date: **11-Jun-02 08:10:00** Site : **BRAMLETT** Type of Sample : **MGP SOIL**

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **06/26/02** By. **TTJ9266**

	Result	Reporting Limit	Flag
Benzene	< 4.0 ug/Kg	4.0 ug/Kg	0
Toluene	< 4.0 ug/Kg	4.0 ug/Kg	0
Ethylbenzene	< 4.0 ug/Kg	4.0 ug/Kg	0
m-p-Xylene	< 7.0 ug/Kg	7.0 ug/Kg	0
o-Xylene	< 4.0 ug/Kg	4.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted. **06/26/02** By. **RLE9599**

	Result	Reporting Limit	Flag
Naphthalene	< 0.36 mg/Kg	0.36 mg/Kg	1
2-Methylnaphthalene	< 0.36 mg/Kg	0.36 mg/Kg	0
Acenaphthylene	< 0.36 mg/Kg	0.36 mg/Kg	0
Acenaphthene	< 0.36 mg/Kg	0.36 mg/Kg	0
Dibenzofuran	< 0.36 mg/Kg	0.36 mg/Kg	0
Fluorene	< 0.36 mg/Kg	0.36 mg/Kg	0
Phenanthrene	< 0.36 mg/Kg	0.36 mg/Kg	0
Anthracene	< 0.36 mg/Kg	0.36 mg/Kg	0
Fluoranthene	< 0.36 mg/Kg	0.36 mg/Kg	0
Pyrene	< 0.36 mg/Kg	0.36 mg/Kg	0
Benzo(a)anthracene	< 0.36 mg/Kg	0.36 mg/Kg	0
Chrysene	< 0.36 mg/Kg	0.36 mg/Kg	0
Benzo(b)fluoranthene	< 0.36 mg/Kg	0.36 mg/Kg	0
Benzo(k)fluoranthene	< 0.36 mg/Kg	0.36 mg/Kg	0
Benzo(a)pyrene	< 0.36 mg/Kg	0.36 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 0.36 mg/Kg	0.36 mg/Kg	0
Dibenzo(a,h)anthracene	< 0.36 mg/Kg	0.36 mg/Kg	0

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Sample ID # : 22021404 Job # : 02-JUN-0276

Sample Description: BRAM 60B

Collection Date: 11-Jun-02 08:10:00 Site : BRAMLETT Type of Sample : MGP SOIL

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: MS8270MGPS Test Method: SW-846 8270C Date Posted. 06/26/02 By: RLE9599

	Result	Reporting Limit	Flag
Benzo(g,h,i)perylene	< 0.36 mg/Kg	0.36 mg/Kg	0

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration, *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration.
7 - Reported concentration is the combination of more that one aroclor (Reported Aroclor is the Aroclor of highest concentration in the sample)

Data Reported By, Date

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Sample ID # : **22021405** Job # : **02-JUN-0276**

Sample Description: **BRAM 61SW**

Collection Date: **11-Jun-02 10:45:00** Site : BRAMLETT Type of Sample : MGP SOIL

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: MS8260MGPS Test Method: SW-846 5030B/8260B Date Posted: 06/27/02 By: TTJ9266

	Result	Reporting Limit	Flag
Benzene	< 12 ug/Kg	12 ug/Kg	0
Toluene	< 12 ug/Kg	12 ug/Kg	1
Ethylbenzene	< 12 ug/Kg	12 ug/Kg	0
m-p-Xylene	< 24 ug/Kg	24 ug/Kg	0
o-Xylene	< 12 ug/Kg	12 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code. MS8270MGPS Test Method: SW-846 8270C Date Posted 06/26/02 By RLE9599

	Result	Reporting Limit	Flag
Naphthalene	< 0.36 mg/Kg	0.36 mg/Kg	1
2-Methylnaphthalene	0.87 mg/Kg	0.36 mg/Kg	0
Acenaphthylene	< 0.36 mg/Kg	0.36 mg/Kg	0
Acenaphthene	< 0.36 mg/Kg	0.36 mg/Kg	0
Dibenzofuran	< 0.36 mg/Kg	0.36 mg/Kg	0
Fluorene	< 0.36 mg/Kg	0.36 mg/Kg	0
Phenanthrene	< 0.36 mg/Kg	0.36 mg/Kg	0
Anthracene	< 0.36 mg/Kg	0.36 mg/Kg	0
Fluoranthene	< 0.36 mg/Kg	0.36 mg/Kg	0
Pyrene	< 0.36 mg/Kg	0.36 mg/Kg	0
Benzo(a)anthracene	< 0.36 mg/Kg	0.36 mg/Kg	0
Chrysene	< 0.36 mg/Kg	0.36 mg/Kg	0
Benzo(b)fluoranthene	< 0.36 mg/Kg	0.36 mg/Kg	0
Benzo(k)fluoranthene	< 0.36 mg/Kg	0.36 mg/Kg	0
Benzo(a)pyrene	< 0.36 mg/Kg	0.36 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 0.36 mg/Kg	0.36 mg/Kg	0
Dibenzo(a,h)anthracene	< 0.36 mg/Kg	0.36 mg/Kg	0

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Sample ID # : **22021405** Job # : **02-JUN-0276**

Sample Description: **BRAM 61SW**

Collection Date: 11-Jun-02 10:45:00 Site : BRAMLETT Type of Sample : MGP SOIL

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: MS8270MGPS Test Method: SW-846 8270C Date Posted: 06/26/02 By: RLE9599

	Result	Reporting Limit	Flag
Benzo(g,h,i)perylene	< 0.36 mg/Kg	0.36 mg/Kg	0

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration, *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration
7 - Reported concentration is the combination of more that one aroclor (Reported Aroclor is the Aroclor of highest concentration in the sample)

Data Reported By, Date

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Fax 704-875-5038

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Sample ID # : **22021406** Job # : **02-JUN-0276**

Sample Description: **BRAM 62B**

Collection Date: **11-Jun-02 11:10:00** Site : BRAMLETT Type of Sample : MGP SOIL

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: MS8260MGPS Test Method: SW-846 5030B/8260B Date Posted: 06/26/02 By: TTJ9266

	Result	Reporting Limit	Flag
Benzene	< 4.0 ug/Kg	4.0 ug/Kg	0
Toluene	< 4.0 ug/Kg	4.0 ug/Kg	0
Ethylbenzene	< 4.0 ug/Kg	4.0 ug/Kg	0
m-p-Xylene	< 7.0 ug/Kg	7.0 ug/Kg	0
o-Xylene	< 4.0 ug/Kg	4.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: MS8270MGPS Test Method: SW-846 8270C Date Posted: 06/26/02 By: RLE9599

	Result	Reporting Limit	Flag
Naphthalene	< 0.35 mg/Kg	0.35 mg/Kg	1
2-Methylnaphthalene	< 0.35 mg/Kg	0.35 mg/Kg	0
Acenaphthylene	< 0.35 mg/Kg	0.35 mg/Kg	0
Acenaphthene	< 0.35 mg/Kg	0.35 mg/Kg	0
Dibenzofuran	< 0.35 mg/Kg	0.35 mg/Kg	0
Fluorene	< 0.35 mg/Kg	0.35 mg/Kg	0
Phenanthrene	< 0.35 mg/Kg	0.35 mg/Kg	0
Anthracene	< 0.35 mg/Kg	0.35 mg/Kg	0
Fluoranthene	< 0.35 mg/Kg	0.35 mg/Kg	0
Pyrene	< 0.35 mg/Kg	0.35 mg/Kg	0
Benzo(a)anthracene	< 0.35 mg/Kg	0.35 mg/Kg	0
Chrysene	< 0.35 mg/Kg	0.35 mg/Kg	0
Benzo(b)fluoranthene	< 0.35 mg/Kg	0.35 mg/Kg	0
Benzo(k)fluoranthene	< 0.35 mg/Kg	0.35 mg/Kg	0
Benzo(a)pyrene	< 0.35 mg/Kg	0.35 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 0.35 mg/Kg	0.35 mg/Kg	0
Dibenzo(a,h)anthracene	< 0.35 mg/Kg	0.35 mg/Kg	0

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Sample ID # : **22021406** Job # : **02-JUN-0276**

Sample Description: **BRAM 62B**

Collection Date: **11-Jun-02 11:10:00** Site : BRAMLETT Type of Sample : MGP SOIL

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: MS8270MGPS Test Method: SW-846 8270C Date Posted: 06/26/02 By: RLE9599

	Result	Reporting Limit	Flag
Benzo(g,h,i)perylene	< 0.35 mg/Kg	0.35 mg/Kg	0

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration, *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration
7 - Reported concentration is the combination of more that one aroclor (Reported Aroclor is the Aroclor of highest concentration in the sample)

Data Reported By, Date

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Sample ID # : **22021407** Job # : **02-JUN-0276**

Sample Description: **BRAM 63SW**

Collection Date: 12-Jun-02 08:15:00 Site : BRAMLETT Type of Sample : MGP SOIL

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: MS8260MGPS Test Method: SW-846 5030B/8260B Date Posted 06/26/02 By. TTJ9266

	Result	Reporting Limit	Flag
Benzene	< 330 ug/Kg	330 ug/Kg	0
Toluene	570 ug/Kg	330 ug/Kg	0
Ethylbenzene	420 ug/Kg	330 ug/Kg	0
m-p-Xylene	2600 ug/Kg	670 ug/Kg	0
o-Xylene	1100 ug/Kg	330 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: MS8270MGPS Test Method: SW-846 8270C Date Posted 06/26/02 By: RLE9599

	Result	Reporting Limit	Flag
Naphthalene	< 33 mg/Kg	33 mg/Kg	1
2-Methylnaphthalene	< 33 mg/Kg	33 mg/Kg	1
Acenaphthylene	< 33 mg/Kg	33 mg/Kg	1
Acenaphthene	< 33 mg/Kg	33 mg/Kg	1
Dibenzofuran	< 33 mg/Kg	33 mg/Kg	1
Fluorene	< 33 mg/Kg	33 mg/Kg	1
Phenanthrene	< 33 mg/Kg	33 mg/Kg	1
Anthracene	< 33 mg/Kg	33 mg/Kg	1
Fluoranthene	< 33 mg/Kg	33 mg/Kg	1
Pyrene	< 33 mg/Kg	33 mg/Kg	1
Benzo(a)anthracene	< 33 mg/Kg	33 mg/Kg	1
Chrysene	< 33 mg/Kg	33 mg/Kg	1
Benzo(b)fluoranthene	< 33 mg/Kg	33 mg/Kg	1
Benzo(k)fluoranthene	< 33 mg/Kg	33 mg/Kg	1
Benzo(a)pyrene	< 33 mg/Kg	33 mg/Kg	1
Indeno(1,2,3-c,d)pyrene	< 33 mg/Kg	33 mg/Kg	1
Dibenzo(a,h)anthracene	< 33 mg/Kg	33 mg/Kg	1

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Sample ID # : **22021407** Job # : **02-JUN-0276**

Sample Description: **BRAM 63SW**

Collection Date: **12-Jun-02 08:15:00** Site : **BRAMLETT** Type of Sample : **MGP SOIL**

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted **06/26/02** By **RLE9599**

	Result	Reporting Limit	Flag
Benzo(g,h,i)perylene	< 33 mg/Kg	33 mg/Kg	1

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration, *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration.
7 - Reported concentration is the combination of more that one aroclor. (Reported Aroclor is the Aroclor of highest concentration in the sample)

Data Reported By, Date

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Sample ID # : **22021408** Job # : **02-JUN-0276**

Sample Description: **BRAM 64B**

Collection Date: **12-Jun-02 08:30:00** Site : **BRAMLETT** Type of Sample : **MGP SOIL**

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted **06/26/02** By: **TTJ9266**

	Result	Reporting Limit	Flag
Benzene	< 3.0 ug/Kg	3.0 ug/Kg	0
Toluene	< 3.0 ug/Kg	3.0 ug/Kg	0
Ethylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
m-p-Xylene	< 6.0 ug/Kg	6.0 ug/Kg	0
o-Xylene	< 3.0 ug/Kg	3.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted **06/26/02** By: **RLE9599**

	Result	Reporting Limit	Flag
Naphthalene	< 0.35 mg/Kg	0.35 mg/Kg	1
2-Methylnaphthalene	< 0.35 mg/Kg	0.35 mg/Kg	0
Acenaphthylene	< 0.35 mg/Kg	0.35 mg/Kg	0
Acenaphthene	< 0.35 mg/Kg	0.35 mg/Kg	0
Dibenzofuran	< 0.35 mg/Kg	0.35 mg/Kg	0
Fluorene	< 0.35 mg/Kg	0.35 mg/Kg	0
Phenanthrene	< 0.35 mg/Kg	0.35 mg/Kg	0
Anthracene	< 0.35 mg/Kg	0.35 mg/Kg	0
Fluoranthene	< 0.35 mg/Kg	0.35 mg/Kg	0
Pyrene	< 0.35 mg/Kg	0.35 mg/Kg	0
Benzo(a)anthracene	< 0.35 mg/Kg	0.35 mg/Kg	0
Chrysene	< 0.35 mg/Kg	0.35 mg/Kg	0
Benzo(b)fluoranthene	< 0.35 mg/Kg	0.35 mg/Kg	0
Benzo(k)fluoranthene	< 0.35 mg/Kg	0.35 mg/Kg	0
Benzo(a)pyrene	< 0.35 mg/Kg	0.35 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 0.35 mg/Kg	0.35 mg/Kg	0
Dibenzo(a,h)anthracene	< 0.35 mg/Kg	0.35 mg/Kg	0

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Sample ID # : **22021408** Job # : **02-JUN-0276**

Sample Description: **BRAM 64B**

Collection Date: **12-Jun-02 08:30:00** Site : BRAMLETT Type of Sample MGP SOIL

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **06/26/02** By: **RLE9599**

	Result	Reporting Limit	Flag
Benzo(g,h,i)perylene	< 0.35 mg/Kg	0.35 mg/Kg	0

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration, *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration.
7 - Reported concentration is the combination of more that one aroclor (Reported Aroclor is the Aroclor of highest concentration in the sample)

Troy Whisenant 6/28/02
Data Reported By, Date

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Form 89962 (9-97)
Previously Form 35226

Duke Power's Analytical Laboratory
MNS Bldg. # 7405 (MG03A2)
13339 Hagers Ferry Road
Huntersville, NC 28078
Phone: (704) 875-5209/875-5245[1]
Fax: (704) 875-5038

LAB USE[8]

LIMS # 02-JUN-0543		Sample Class SOIL
Logged By (Ini.)	Time	Date
KBB	1240	6/27/02

Vendored Samples

Vendor	Analysis

Vendor	P.O. #

Container Type: (X)Glass ( )Plastic[13]

Preservative Added[14]

HNO_3													
H_2SO_4													
Ice													
Other													
None	X	X											

CLIENT[2]: Tim Hunsucker Report to/Ph.[4]: _____
Project Name[3]: _____ Mail Code: MG03A8
FMIS #
Business Unit[4]: _____ Resp. Center To: 0193
Project ID[5]: MGP BRAM
Activity ID[6]: All ACTV
Process[7]: _____

Sample #[9]	Lab PROFS #[10]	Sample Description or ID[11]	Collection Information[12] Date	Time	Signature	GRAB[16]	COMP[17]	Analysis Required[15] EPA 8260	EPA 8210	TOTAL # OF CONTAINERS[18]
	2202									
BRAM-65SW	3252	BRAM-65SW	6/17/02	1240	Kevin Cobb	X		X	X	
BRAM-66SW	3253	BRAM-66SW	6/17/02	1248	Kevin Cobb	↓		↓	↓	↓
BRAM-67SW	3254	BRAM-67SW	6/17/02	1300	Kevin Cobb					
BRAM-68B	3255	BRAM-68B	6/18/02	1000	Kevin Cobb					

Relinquished by:[19]	Date/Time	Accepted By:	Date/Time
Kevin Cobb	6/27/02	Vickie Bowers	6/27/02 1150
Relinquished by:	Date/Time	Accepted By:	Date/Time
Seal/Locked by[20]	Date/Time	Seal/Lock Opened By:	Date/Time

Turnaround Requested[21]
☑ Routine (2 weeks)
☐ Rush (1 week)
☐ Emergency Rush (24-48 Hrs.)*
Date Results Requested: _____
*Additional Charges Will Apply

Sample Matrix[22] NC ☐ SC ☐
Ground Water ☐ NPDES ☐
Drinking Water ☐ UST ☐
RCRA Waste ☐ Other ☐

TEMP:[23]

Comments:[24]

See Instructions on the back of this form.

Original – AL Files[25] **Copy 1– AL Files** **Copy 2 – Client Copy**

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8270/625 Analysis Case Narrative

(This document must accompany release of Analytical Data)

LIMS Job # *02-JUN-0543*

Worklist # *02-JUL-0260*

- *The results reported for naphthalene and 2-methylnaphthalene should be considered estimates in sample 22023255 due to the calculated concentrations being outside of the calibration range.*
- *Samples 22023252, 22023253, 22023254, and 22023255 were extracted outside of the holding time. All results for these samples should be considered as estimates.*

Analyst Signature

Shannon Rollins

Duke Energy Analytical Laboratory Services

Environment, Health & Safety Services
Phone: 704-875-5245
FAX: 704-875-5038

Environmental Center – MG03A2
13339 Hagers Ferry Road
Huntersville NC 28078-7929

Duke Energy Analytical Laboratory

Environment, Health and Safety Services
Phone: 704-875-5245
Fax: 704-875-5038
13339 Hagers Ferry Road
Huntersville, NC 28078-7929
McGuire Nuclear Complex - MG03A2

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Louisiana Department of Environmental Quality (LELAP) Certificate # 02012
North Carolina Department of Health & Human Services Certification # 37804
South Carolina (DHEC) Laboratory ID # 99005 North Carolina (DENR) Certification # 248

Sample ID # : **22023252** Job # : **02-JUN-0543**

Sample Description: **BRAM-65SW**

Collection Date: **17-Jun-02 12:40:00** Site : **BRAMLETT** Sample Type: **MGP SOIL** Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **07/08/02**

	Result	Reporting Limit	Flag
Benzene	< 4.0 ug/Kg	4.0 ug/Kg	0
Toluene	< 4.0 ug/Kg	4.0 ug/Kg	0
Ethylbenzene	< 4.0 ug/Kg	4.0 ug/Kg	0
m-p-Xylene	< 9.0 ug/Kg	9.0 ug/Kg	0
o-Xylene	< 4.0 ug/Kg	4.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **07/12/02**

	Result	Reporting Limit	Flag
Naphthalene	< 1.4 mg/Kg	1.4 mg/Kg	1
2-Methylnaphthalene	< 1.4 mg/Kg	1.4 mg/Kg	1
Acenaphthylene	< 1.4 mg/Kg	1.4 mg/Kg	1
Acenaphthene	< 1.4 mg/Kg	1.4 mg/Kg	1
Dibenzofuran	< 1.4 mg/Kg	1.4 mg/Kg	1
Fluorene	< 1.4 mg/Kg	1.4 mg/Kg	1
Phenanthrene	< 1.4 mg/Kg	1.4 mg/Kg	1
Anthracene	< 1.4 mg/Kg	1.4 mg/Kg	1
Fluoranthene	1.4 mg/Kg	1.4 mg/Kg	1
Pyrene	1.6 mg/Kg	1.4 mg/Kg	1
Benzo(a)anthracene	< 1.4 mg/Kg	1.4 mg/Kg	1
Chrysene	< 1.4 mg/Kg	1.4 mg/Kg	1
Benzo(b)fluoranthene	< 1.4 mg/Kg	1.4 mg/Kg	1
Benzo(k)fluoranthene	< 1.4 mg/Kg	1.4 mg/Kg	1
Benzo(a)pyrene	< 1.4 mg/Kg	1.4 mg/Kg	1
Indeno(1,2,3-c,d)pyrene	< 1.4 mg/Kg	1.4 mg/Kg	1
Dibenzo(a,h)anthracene	< 1.4 mg/Kg	1.4 mg/Kg	1
Benzo(g,h,i)perylene	< 1.4 mg/Kg	1.4 mg/Kg	1

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Duke Energy Analytical Laboratory

Environment, Health and Safety Services
Phone: 704-875-5245
Fax: 704-875-5038

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Huntersville, NC 28078-7929
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South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22023253** Job # : **02-JUN-0543**

Sample Description: **BRAM-66SW**

Collection Date: **17-Jun-02 12:48:00** Site : **BRAMLETT** Sample Type: **MGP SOIL** Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **07/08/02**

	Result	Reporting Limit	Flag
Benzene	< 3.0 ug/Kg	3.0 ug/Kg	0
Toluene	< 3.0 ug/Kg	3.0 ug/Kg	0
Ethylbenzene	3.7 ug/Kg	3.0 ug/Kg	0
m-p-Xylene	< 7.0 ug/Kg	7.0 ug/Kg	0
o-Xylene	< 3.0 ug/Kg	3.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **07/12/02**

	Result	Reporting Limit	Flag
Naphthalene	< 1.1 mg/Kg	1.1 mg/Kg	1
2-Methylnaphthalene	< 1.1 mg/Kg	1.1 mg/Kg	1
Acenaphthylene	< 1.1 mg/Kg	1.1 mg/Kg	1
Acenaphthene	< 1.1 mg/Kg	1.1 mg/Kg	1
Dibenzofuran	< 1.1 mg/Kg	1.1 mg/Kg	1
Fluorene	< 1.1 mg/Kg	1.1 mg/Kg	1
Phenanthrene	4.2 mg/Kg	1.1 mg/Kg	1
Anthracene	< 1.1 mg/Kg	1.1 mg/Kg	1
Fluoranthene	8.4 mg/Kg	1.1 mg/Kg	1
Pyrene	7.7 mg/Kg	1.1 mg/Kg	1
Benzo(a)anthracene	3.9 mg/Kg	1.1 mg/Kg	1
Chrysene	4.1 mg/Kg	1.1 mg/Kg	1
Benzo(b)fluoranthene	3.7 mg/Kg	1.1 mg/Kg	1
Benzo(k)fluoranthene	3.7 mg/Kg	1.1 mg/Kg	1
Benzo(a)pyrene	3.4 mg/Kg	1.1 mg/Kg	1
Indeno(1,2,3-c,d)pyrene	1.6 mg/Kg	1.1 mg/Kg	1
Dibenzo(a,h)anthracene	< 1.1 mg/Kg	1.1 mg/Kg	1
Benzo(g,h,i)perylene	1.6 mg/Kg	1.1 mg/Kg	1

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Environment, Health and Safety Services
Phone: 704-875-5245
Fax: 704-875-5038

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Sample ID # : **22023254** Job # : **02-JUN-0543**

Sample Description: **BRAM-67SW**

Collection Date: **17-Jun-02 13:00:00** Site : BRAMLETT Sample Type: MGP SOIL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **07/08/02**

	Result	Reporting Limit	Flag
Benzene	< 3.0 ug/Kg	3.0 ug/Kg	0
Toluene	< 3.0 ug/Kg	3.0 ug/Kg	0
Ethylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
m-p-Xylene	< 7.0 ug/Kg	7.0 ug/Kg	0
o-Xylene	< 3.0 ug/Kg	3.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **07/12/02**

	Result	Reporting Limit	Flag
Naphthalene	< 1.3 mg/Kg	1.3 mg/Kg	1
2-Methylnaphthalene	< 1.3 mg/Kg	1.3 mg/Kg	1
Acenaphthylene	< 1.3 mg/Kg	1.3 mg/Kg	1
Acenaphthene	< 1.3 mg/Kg	1.3 mg/Kg	1
Dibenzofuran	< 1.3 mg/Kg	1.3 mg/Kg	1
Fluorene	< 1.3 mg/Kg	1.3 mg/Kg	1
Phenanthrene	< 1.3 mg/Kg	1.3 mg/Kg	1
Anthracene	< 1.3 mg/Kg	1.3 mg/Kg	1
Fluoranthene	< 1.3 mg/Kg	1.3 mg/Kg	1
Pyrene	< 1.3 mg/Kg	1.3 mg/Kg	1
Benzo(a)anthracene	< 1.3 mg/Kg	1.3 mg/Kg	1
Chrysene	< 1.3 mg/Kg	1.3 mg/Kg	1
Benzo(b)fluoranthene	< 1.3 mg/Kg	1.3 mg/Kg	1
Benzo(k)fluoranthene	< 1.3 mg/Kg	1.3 mg/Kg	1
Benzo(a)pyrene	< 1.3 mg/Kg	1.3 mg/Kg	1
Indeno(1,2,3-c,d)pyrene	< 1.3 mg/Kg	1.3 mg/Kg	1
Dibenzo(a,h)anthracene	< 1.3 mg/Kg	1.3 mg/Kg	1
Benzo(g,h,i)perylene	< 1.3 mg/Kg	1.3 mg/Kg	1

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Environment, Health and Safety Services
Phone: 704-875-5245
Fax: 704-875-5038

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Sample ID # : **22023255** Job # : **02-JUN-0543**

Sample Description: **BRAM-68B**

Collection Date: **18-Jun-02 10:00:00** Site : **BRAMLETT** Sample Type: **MGP SOIL** Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **07/08/02**

	Result	Reporting Limit	Flag
Benzene	< 3.0 ug/Kg	3.0 ug/Kg	0
Toluene	< 3.0 ug/Kg	3.0 ug/Kg	0
Ethylbenzene	8.7 ug/Kg	3.0 ug/Kg	0
m-p-Xylene	8.4 ug/Kg	6.0 ug/Kg	0
o-Xylene	3.9 ug/Kg	3.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **07/12/02**

	Result	Reporting Limit	Flag
Naphthalene	26 mg/Kg	1.4 mg/Kg	1
2-Methylnaphthalene	20 mg/Kg	1.4 mg/Kg	1
Acenaphthylene	< 1.4 mg/Kg	1.4 mg/Kg	1
Acenaphthene	8.4 mg/Kg	1.4 mg/Kg	1
Dibenzofuran	1.6 mg/Kg	1.4 mg/Kg	1
Fluorene	4.1 mg/Kg	1.4 mg/Kg	1
Phenanthrene	11 mg/Kg	1.4 mg/Kg	1
Anthracene	3.0 mg/Kg	1.4 mg/Kg	1
Fluoranthene	3.0 mg/Kg	1.4 mg/Kg	1
Pyrene	4.7 mg/Kg	1.4 mg/Kg	1
Benzo(a)anthracene	< 1.4 mg/Kg	1.4 mg/Kg	1
Chrysene	< 1.4 mg/Kg	1.4 mg/Kg	1
Benzo(b)fluoranthene	< 1.4 mg/Kg	1.4 mg/Kg	1
Benzo(k)fluoranthene	< 1.4 mg/Kg	1.4 mg/Kg	1
Benzo(a)pyrene	< 1.4 mg/Kg	1.4 mg/Kg	1
Indeno(1,2,3-c,d)pyrene	< 1.4 mg/Kg	1.4 mg/Kg	1
Dibenzo(a,h)anthracene	< 1.4 mg/Kg	1.4 mg/Kg	1

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Phone: 704-875-5245
Fax: 704-875-5038

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South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22023255** Job # : **02-JUN-0543**

Sample Description: **BRAM-68B**

Collection Date: **18-Jun-02 10:00:00** Site : BRAMLETT Sample Type: MGP SOIL Desktop #

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **07/12/02**

	Result	Reporting Limit	Flag
Benzo(g,h,i)perylene	< 1.4 mg/Kg	1.4 mg/Kg	1

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration, *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration.
7 - Reported concentration is the combination of more that one aroclor. (Reported Aroclor is the Aroclor of highest concentration in the sample)

Troy Whisenant 7/15/02
Data Reported By, Date

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Form 89962 (9-97)
Previously Form 35226

Duke Power's Analytical Laboratory
MNS Bldg. # 7405 (MG03A2)
13339 Hagers Ferry Road
Huntersville, NC 28078
Phone: (704) 875-5209/875-5245[1]
Fax: (704) 875-5038

To Mark McGarey - TV02B

CLIENT[2]: ~~Tim Hunsucker~~ Report to/Ph.[4]:

Project Name[3]: Mail Code: MG03A3

FMIS #
Business Unit[1]: Resp. Center To:
Project ID[1]: MGP BRAM
Activity ID[1]: All ACTV
Process[2]:

LAB USE[8]

LIMS #		
02-JUL-0263		
Logged By (Ini.)	Time	Date
EBC	748	7/11/02

Sample Class: SOIL

Vendored Samples

Vendor	Analysis

Vendor	P.O. #

Container Type: ( )Glass ( )Plastic[13]

Preservative Added[14]

	Analysis Required[15]			TOTAL # OF CONTAINERS[16]
HNO_3				
H_2SO_4				
Ice				
Other				
None	X	X		

8260 mgp
8270 mgp
SIM

Sample #[9]	Lab PROFS #[10]	Sample Description or ID[11]	Collection Information[12] Date	Time	Signature	GRAB[16]	COMP[17]	8260 mgp	8270 mgp	
2202-										
5154		BRAM-69SW	7/5/02	1100	Cebe	X		X	X	
5155		BRAM-70B	7/5/02	1100	Cebe					
5156		BRAM-71SW	7/5/02	1000	Cebe					
5157		BRAM-72SW	7/5/02	1240	Cebe					
5158		BRAM-73SW	7/5/02	1400	Cebe					
5159		BRAM-74B	7/5/02	1406	Cebe					

Relinquished by[19]	Date/Time	Accepted By:	Date/Time
[signature]	7/10/02 @ 1645	[signature]	7-11-02 7:03
Relinquished By:	Date/Time	Accepted By:	Date/Time
Seal/Locked by[20]	Date/Time	Seal/Lock Opened By:	Date/Time

Turnaround Requested[21]
- ☑ Routine (2 weeks)
- ☐ Rush (1 week)
- ☐ Emergency Rush (24-48 Hrs.)*

Date Results Requested: _____
*Additional Charges Will Apply

Sample Matrix[22] NC ☐ SC ☑
- Ground Water ☐ NPDES ☐
- Drinking Water ☐ UST ☐
- RCRA Waste ☐ Other ☑

TEMP:[23]

Comments:[24]

Original – AL Files[25] Copy 1– AL Files Copy 2 – Client Copy

See Instructions on the back of this form.

Duke Energy SM

8260 Analysis Case Narrative

(This document must accompany release of Analytical Data)

LIMS Job # 02-JUL-0263

Worklist # 02-JUL-0350

- High detection limit was reported for sample # 22025159 due to high concentrations of naphthalene and other analytes in sample. Please review attached TIC report.

Analyst
Theronia James

Duke Energy Analytical Laboratory Services

Environment, Health & Safety Services
Phone: 704-875-5245
FAX: 704-875-5038

Environmental Center – MG03A2
13339 Hagers Ferry Road
Huntersville NC 28078-7929

DATA FILE::	11JUL21	FIELD ID::	22025159 BRAMLETT-BRAM-74-B	LAB ID::	02-JUL-0263

Tentatively Identified Compound Report

Compound	Concentration (ug/kg)	Estimated Concentration (ug/kg)	Library Match Probability (%)	Retention Rime (RT) (Minutes)	Identification			Scan Number
					Library Match	Manual Interpretation	RT	
Methylene chloride	522							
1,3,5-Trimethylbenzene	1800							
1,2,4-Trimethylbenzene	3800							
Naphthalene		99000						
Substituted Benzene		2000	94	21.01				
Substituted Benzene		2000	91	23.65				
Substituted Benzene		1500	94	24.47				
Unknown		3200	55	25.47				
Unknown		2800	50	26.4				
Substituted Benzene		3100	97	26.54				
Substituted Benzene		4100	96	26.78				

Duke Energy

8270/625 Analysis Case Narrative

(This document must accompany release of Analytical Data)

LIMS Job # 02-JUL-0263

Worklist # 02-JUL-0440

- *The percent recovery and the average percent recovery for naphthalene and 2-methylnaphthalene in Matrix Spike Duplicate did not meet the laboratory control limits. The results for these analytes should be considered an estimate for sample 22025155.*
- *The relative percent difference for naphthalene and 2-methylnaphthalene in the Matrix Spike and Matrix Spike Duplicate samples exceeded the laboratory control limit of 20%.*
- *The results reported for benzo(b)fluoranthene and for benzo(k)fluoranthene should be considered estimates in sample 22025157 due to the calculated concentrations being outside of the calibration range.*

Analyst Signature

Shannon Rollins

Duke Energy Analytical Laboratory Services

Environment, Health & Safety Services
Phone: 704-875-5245
FAX: 704-875-5038

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Huntersville NC 28078-7929

Duke Energy

8260 Analysis Case Narrative

(This document must accompany release of Analytical Data)

LIMS Job # 02-JUL-0263

Worklist # 02-JUL-0350

- High detection limit was reported for sample # 22025159 due to high concentrations of naphthalene and other analytes in sample. Please review attached TIC report.

Analyst
Theronia James

Duke Energy Analytical Laboratory Services

Environment, Health & Safety Services
Phone: 704-875-5245
FAX: 704-875-5032

Environmental Center - MG03A2
13339 Hagers Ferry Road
Huntersville NC 28078-7929

DATA FILE::	11JUL21	FIELD ID::	22025159 BRAMLETT-BRAM-74-B	LAB ID::	02-JUL-0263

Tentatively Identified Compound Report

Compound	Concentration (ug/kg)	Estimated Concentration (ug/kg)	Library Match Probability (%)	Retention Rime (RT) (Minutes)	Identification			Scan Number
					Library Match	Manual Interpretation	RT	
Methylene chloride	522							
1,3,5-Trimethylbenzene	1800							
1,2,4-Trimethylbenzene	3800							
Naphthalene		99000						
Substituted Benzene		2000	94	21.01				
Substituted Benzene		2000	91	23.65				
Substituted Benzene		1500	94	24.47				
Unknown		3200	55	25.47				
Unknown		2800	50	26.4				
Substituted Benzene		3100	97	26.54				
Substituted Benzene		4100	96	26.78				

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South Carolina (DHEC) Laboratory ID # 99005 North Caroline (DENR) Certification # 248

Sample ID # : 22025154 Job # : 02-JUL-0263

Sample Description: **BRAM-69-SW**

Collection Date: 3-Jul-02 11:00:00 Site : BRAMLETT Sample Type: MGP SOIL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: MS8260MGPS Test Method: SW-846 5030B/8260B Date Posted: 07/16/02

	Result	Reporting Limit	Flag
Benzene	< 9.0 ug/Kg	9.0 ug/Kg	0
Toluene	< 9.0 ug/Kg	9.0 ug/Kg	0
Ethylbenzene	< 9.0 ug/Kg	9.0 ug/Kg	0
m-p-Xylene	< 17 ug/Kg	17 ug/Kg	0
o-Xylene	< 9.0 ug/Kg	9.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: MS8270MGPS Test Method: SW-846 8270C Date Posted: 07/23/02

	Result	Reporting Limit	Flag
Naphthalene	< 1.0 mg/Kg	1.0 mg/Kg	0
2-Methylnaphthalene	< 1.0 mg/Kg	1.0 mg/Kg	0
Acenaphthylene	< 1.0 mg/Kg	1.0 mg/Kg	0
Acenaphthene	< 1.0 mg/Kg	1.0 mg/Kg	0
Dibenzofuran	< 1.0 mg/Kg	1.0 mg/Kg	0
Fluorene	< 1.0 mg/Kg	1.0 mg/Kg	0
Phenanthrene	< 1.0 mg/Kg	1.0 mg/Kg	0
Anthracene	< 1.0 mg/Kg	1.0 mg/Kg	0
Fluoranthene	1.4 mg/Kg	1.0 mg/Kg	0
Pyrene	1.3 mg/Kg	1.0 mg/Kg	0
Benzo(a)anthracene	< 1.0 mg/Kg	1.0 mg/Kg	0
Chrysene	< 1.0 mg/Kg	1.0 mg/Kg	0
Benzo(b)fluoranthene	< 1.0 mg/Kg	1.0 mg/Kg	0
Benzo(k)fluoranthene	< 1.0 mg/Kg	1.0 mg/Kg	0
Benzo(a)pyrene	< 1.0 mg/Kg	1.0 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 1.0 mg/Kg	1.0 mg/Kg	0
Dibenzo(a,h)anthracene	< 1.0 mg/Kg	1.0 mg/Kg	0
Benzo(g,h,i)perylene	< 1.0 mg/Kg	1.0 mg/Kg	0

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South Carolina (DHEC) Laboratory ID # 99005 North Carolina (DENR) Certification # 248

Sample ID # : 22025155 Job # : 02-JUL-0263

Sample Description: BRAM-70-B

Collection Date: 3-Jul-02 11:00:00 Site : BRAMLETT Sample Type: MGP SOIL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: MS8260MGPS Test Method: SW-846 5030B/8260B Date Posted: 07/16/02

	Result	Reporting Limit	Flag
Benzene	< 4.0 ug/Kg	4.0 ug/Kg	0
Toluene	< 4.0 ug/Kg	4.0 ug/Kg	0
Ethylbenzene	< 4.0 ug/Kg	4.0 ug/Kg	0
m-p-Xylene	< 7.0 ug/Kg	7.0 ug/Kg	0
o-Xylene	< 4.0 ug/Kg	4.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: MS8270MGPS Test Method: SW-846 8270C Date Posted: 07/23/02

	Result	Reporting Limit	Flag
Naphthalene	< 1.1 mg/Kg	1.1 mg/Kg	1
2-Methylnaphthalene	< 1.1 mg/Kg	1.1 mg/Kg	1
Acenaphthylene	< 1.1 mg/Kg	1.1 mg/Kg	0
Acenaphthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Dibenzofuran	< 1.1 mg/Kg	1.1 mg/Kg	0
Fluorene	< 1.1 mg/Kg	1.1 mg/Kg	0
Phenanthrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Anthracene	< 1.1 mg/Kg	1.1 mg/Kg	0
Fluoranthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Pyrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(a)anthracene	< 1.1 mg/Kg	1.1 mg/Kg	0
Chrysene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(b)fluoranthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(k)fluoranthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(a)pyrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Dibenzo(a,h)anthracene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(g,h,i)perylene	< 1.1 mg/Kg	1.1 mg/Kg	0

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Duke Energy Analytical Laboratory

Environment, Health and Safety Services
Phone: 704-875-5245
Fax: 704-875-5038

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South Carolina (DHEC) Laboratory ID # 99005 North Carolina (DENR) Certification # 248

Sample ID # : **22025156** Job # : **02-JUL-0263**

Sample Description: **BRAM-71-SW**

Collection Date: 8-Jul-02 10:00:00 Site : BRAMLETT Sample Type: MGP SOIL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: MS8260MGPS Test Method: SW-846 5030B/8260B Date Posted: 07/16/02

	Result	Reporting Limit	Flag
Benzene	< 3.0 ug/Kg	3.0 ug/Kg	0
Toluene	< 3.0 ug/Kg	3.0 ug/Kg	0
Ethylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
m-p-Xylene	5.9 ug/Kg	6.0 ug/Kg	0
o-Xylene	< 3.0 ug/Kg	3.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: MS8270MGPS Test Method: SW-846 8270C Date Posted: 07/23/02

	Result	Reporting Limit	Flag
Naphthalene	3.0 mg/Kg	1.3 mg/Kg	0
2-Methylnaphthalene	2.1 mg/Kg	1.3 mg/Kg	0
Acenaphthylene	3.0 mg/Kg	1.3 mg/Kg	0
Acenaphthene	< 1.3 mg/Kg	1.3 mg/Kg	0
Dibenzofuran	1.7 mg/Kg	1.3 mg/Kg	0
Fluorene	3.0 mg/Kg	1.3 mg/Kg	0
Phenanthrene	15 mg/Kg	1.3 mg/Kg	0
Anthracene	4.3 mg/Kg	1.3 mg/Kg	0
Fluoranthene	11 mg/Kg	1.3 mg/Kg	0
Pyrene	11 mg/Kg	1.3 mg/Kg	0
Benzo(a)anthracene	7.4 mg/Kg	1.3 mg/Kg	0
Chrysene	6.8 mg/Kg	1.3 mg/Kg	0
Benzo(b)fluoranthene	4.5 mg/Kg	1.3 mg/Kg	0
Benzo(k)fluoranthene	6.5 mg/Kg	1.3 mg/Kg	0
Benzo(a)pyrene	6.3 mg/Kg	1.3 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	2.9 mg/Kg	1.3 mg/Kg	0
Dibenzo(a,h)anthracene	< 1.3 mg/Kg	1.3 mg/Kg	0
Benzo(g,h,i)perylene	2.6 mg/Kg	1.3 mg/Kg	0

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Sample ID # : **22025157** Job # : **02-JUL-0263**

Sample Description: **BRAM-72-SW**

Collection Date: 8-Jul-02 12:40:00 Site : BRAMLETT Sample Type: MGP SOIL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: MS8260MGPS Test Method: SW-846 5030B/8260B Date Posted: 07/16/02

	Result	Reporting Limit	Flag
Benzene	< 5.0 ug/Kg	5.0 ug/Kg	0
Toluene	< 5.0 ug/Kg	5.0 ug/Kg	0
Ethylbenzene	< 5.0 ug/Kg	5.0 ug/Kg	0
m-p-Xylene	32 ug/Kg	10 ug/Kg	0
o-Xylene	10 ug/Kg	5.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: MS8270MGPS Test Method: SW-846 8270C Date Posted: 07/23/02

	Result	Reporting Limit	Flag
Naphthalene	4.5 mg/Kg	1.2 mg/Kg	0
2-Methylnaphthalene	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthylene	2.8 mg/Kg	1.2 mg/Kg	0
Acenaphthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Dibenzofuran	< 1.2 mg/Kg	1.2 mg/Kg	0
Fluorene	< 1.2 mg/Kg	1.2 mg/Kg	0
Phenanthrene	3.2 mg/Kg	1.2 mg/Kg	0
Anthracene	< 1.2 mg/Kg	1.2 mg/Kg	0
Fluoranthene	15 mg/Kg	1.2 mg/Kg	0
Pyrene	15 mg/Kg	1.2 mg/Kg	0
Benzo(a)anthracene	12 mg/Kg	1.2 mg/Kg	0
Chrysene	13 mg/Kg	1.2 mg/Kg	0
Benzo(b)fluoranthene	20 mg/Kg	1.2 mg/Kg	2
Benzo(k)fluoranthene	18 mg/Kg	1.2 mg/Kg	2
Benzo(a)pyrene	11 mg/Kg	1.2 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	11 mg/Kg	1.2 mg/Kg	0
Dibenzo(a,h)anthracene	3.3 mg/Kg	1.2 mg/Kg	0
Benzo(g,h,i)perylene	10 mg/Kg	1.2 mg/Kg	0

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Sample ID # : **22025158** Job # : **02-JUL-0263**

Sample Description: **BRAM-73-SW**

Collection Date: 8-Jul-02 14:00:00 Site : BRAMLETT Sample Type: MGP SOIL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: MS8260MGPS Test Method: SW-846 5030B/8260B Date Posted: 07/16/02

	Result	Reporting Limit	Flag
Benzene	< 4.0 ug/Kg	4.0 ug/Kg	0
Toluene	< 4.0 ug/Kg	4.0 ug/Kg	0
Ethylbenzene	< 4.0 ug/Kg	4.0 ug/Kg	0
m-p-Xylene	< 7.0 ug/Kg	7.0 ug/Kg	0
o-Xylene	< 4.0 ug/Kg	4.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: MS8270MGPS Test Method: SW-846 8270C Date Posted: 07/23/02

	Result	Reporting Limit	Flag
Naphthalene	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Methylnaphthalene	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthylene	2.4 mg/Kg	1.2 mg/Kg	0
Acenaphthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Dibenzofuran	< 1.2 mg/Kg	1.2 mg/Kg	0
Fluorene	< 1.2 mg/Kg	1.2 mg/Kg	0
Phenanthrene	5.0 mg/Kg	1.2 mg/Kg	0
Anthracene	1.4 mg/Kg	1.2 mg/Kg	0
Fluoranthene	11 mg/Kg	1.2 mg/Kg	0
Pyrene	10 mg/Kg	1.2 mg/Kg	0
Benzo(a)anthracene	7.0 mg/Kg	1.2 mg/Kg	0
Chrysene	7.4 mg/Kg	1.2 mg/Kg	0
Benzo(b)fluoranthene	11 mg/Kg	1.2 mg/Kg	0
Benzo(k)fluoranthene	9.3 mg/Kg	1.2 mg/Kg	0
Benzo(a)pyrene	5.9 mg/Kg	1.2 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	5.4 mg/Kg	1.2 mg/Kg	0
Dibenzo(a,h)anthracene	1.8 mg/Kg	1.2 mg/Kg	0
Benzo(g,h,i)perylene	4.8 mg/Kg	1.2 mg/Kg	0

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Sample ID # : **22025159** Job # : **02-JUL-0263**

Sample Description: **BRAM-74-B**

Collection Date: **8-Jul-02 14:06:00** Site : **BRAMLETT** Sample Type: **MGP SOIL** Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **07/16/02**

	Result	Reporting Limit	Flag
Benzene	< 260 ug/Kg	260 ug/Kg	1
Toluene	< 260 ug/Kg	260 ug/Kg	1
Ethylbenzene	< 260 ug/Kg	260 ug/Kg	1
m-p-Xylene	< 520 ug/Kg	520 ug/Kg	1
o-Xylene	< 260 ug/Kg	260 ug/Kg	1

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **07/23/02**

	Result	Reporting Limit	Flag
Naphthalene	42 mg/Kg	10 mg/Kg	0
2-Methylnaphthalene	20 mg/Kg	10 mg/Kg	0
Acenaphthylene	3.7 mg/Kg	1.0 mg/Kg	0
Acenaphthene	< 1.0 mg/Kg	1.0 mg/Kg	0
Dibenzofuran	3.7 mg/Kg	1.0 mg/Kg	0
Fluorene	3.6 mg/Kg	1.0 mg/Kg	0
Phenanthrene	13 mg/Kg	10 mg/Kg	0
Anthracene	4.0 mg/Kg	1.0 mg/Kg	0
Fluoranthene	8.9 mg/Kg	1.0 mg/Kg	0
Pyrene	7.9 mg/Kg	1.0 mg/Kg	0
Benzo(a)anthracene	3.5 mg/Kg	1.0 mg/Kg	0
Chrysene	3.0 mg/Kg	1.0 mg/Kg	0
Benzo(b)fluoranthene	1.9 mg/Kg	1.0 mg/Kg	0
Benzo(k)fluoranthene	2.5 mg/Kg	1.0 mg/Kg	0
Benzo(a)pyrene	2.6 mg/Kg	1.0 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	1.1 mg/Kg	1.0 mg/Kg	0
Dibenzo(a,h)anthracene	< 1.0 mg/Kg	1.0 mg/Kg	0

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Sample ID # : **22025159** Job # : **02-JUL-0263**

Sample Description: **BRAM-74-B**

Collection Date: 8-Jul-02 14:06:00 Site : BRAMLETT Sample Type: MGP SOIL Desktop #

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **07/23/02**

	Result	Reporting Limit	Flag
Benzo(g,h,i)perylene	1.2 mg/Kg	1.0 mg/Kg	0

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration. See Case Narrative
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration.
7 - Reported concentration is the combination of more that one aroclor (Reported Aroclor is the Aroclor of highest concentration in the sample)

Troy Whisenant 7/24/02
Data Reported By, Date

SAMPLE RECEIPT CHECKLIST

LABORATORY USE ONLY

Laboratory Services
Environmental Center
(704) 875-5304

LAB ID /JOB # 02 – JUL - 0263

CONDITIONS UPON ARRIVAL:

PROPER PRESERVATION (Acid, Base, Chemical): N/A ✓ YES ___ NO ___

If "NO", please explain: _____
Note: Do not insert pH paper in sample bottles.

RECEIVED WITHIN REQUIRED HOLDING TIME: N/A ✓ YES ___ NO ___*

If "NO", please explain: _____

RECEIVED ON ICE OR CHILLED TO <6°C: on lots
Temperature of Sample or Control Blank 0 ice °C N/A ___ YES ✓ NO ___*

If "NO", please explain: _____

CORRECT SAMPLE CONTAINER(S) AND CLOSURE(S): N/A ___ YES ✓ NO ___*

PROPER FILLING (e.g., **NO HEADSPACE**): N/A ✓ YES ___ NO ___*

SAMPLE LABELED (Labels Match Custody Form): N/A ___ YES ✓ NO ___

COMPLETED CHAIN OF CUSTODY ENCLOSED: N/A ___ YES ✓ NO ___

VOLUME SUFFICIENT FOR ANALYSIS: N/A ___ YES ✓ NO ___

PARTICULATES present in NPDES/Drinking H2O Metal Sample: YES ___ NO ___
If "YES", report to Marge Galvin-Karr

CENOSPHERES present in NPDES Metal Sample: YES ___ NO ___
If "YES", report to Marge Galvin-Karr

Regulatory Samples requesting **NH3:**
Is discharge point chlorinated: Yes _____ No _____
If YES, chlorine residual: Absent _____ Present _____
If present, dechlorinate with sodium thiosulfate solution

FE Hach Kit results: (NPDES only) _____

DATE RECEIVED: 7-11-02 TIME RECEIVED: 7:03

ACCEPTED: ✓ REJECTED: _____ BY: Teresa Calder

REASON REJECTED: _____

* Notify QA Officer if NO is checked for NPDES/Drinking H2O/Ground H2O sample and sample is analyzed.

Special Comments: _____

Q.C. Worklist Summary for Job #02-JUL-0263

2 Total Worklist(s) on this Report

WorkList # **02-JUL-0350** Position # 1

MS8260MGPS -- MGP PARAMETERS IN SOIL BY GC/MS - 8260

S8260S_L -- QC SURROGATE - VOC IN SOIL BY GC/MS - 8260

WorkList # **02-JUL-0440** Position # 1

MS8270MGPS -- SVOC MGP IN SOIL BY GC/MS - 8270

S8270S_L -- QC SURROGATE - SVOC IN SOIL BY GC/MS - 8270

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Form 89962 (9-97)
Previously Form 35226

Duke Power Analytical Laboratory
MNS Bldg. # 7405 (MG03A2)
13339 Hagers Ferry Road
Huntersville, NC 28078
Phone: (704) 875-5209/875-5245[1]
Fax: (704) 875-5038

LAB USE[8]

LIMS #	Sample Class
02-JUL-0497	MGP

Logged By (Ini.)	Time	Date
EBC	928	7/22/02

Vendored Samples

Vendor	Analysis

Vendor	P.O. #

CLIENT[2]: Tim Hunsucker Report to/Ph.[4]:
Project Name[3]: Mail Code: MG03A3
FMIS #
Business Unit[4]: Resp. Center To: 0193
Project ID[5]: MGP BRAM
Activity ID[6]: ALL ACTV
Process[7]:

Container Type: ( )Glass ( )Plastic[13]

Preservative Added[14]													
HNO_3													
H_2SO_4													
Ice													
Other													
None	X	X											
Analysis Required[15]	8260 MGP	8270 MGP											TOTAL # OF CONTAINERS[16]

Sample #[9]	Lab PROFS #[10]	Sample Description or ID[11]	Collection Information[12] Date	Time	Signature	GRAB[16]	COMP[17]													
22026557		BRAM-75SW	7/15/02	1530	[signature]	X		X	X											
6563		BRAM-76SW	7/17/02	1430	[signature]	↓		↓	↓											
6564		BRAM-77SW	7/18/02	0920	[signature]	↓		↓	↓											

Relinquished by:[19]	Date/Time	Accepted By:	Date/Time
[signature]	7/19/02 12:30	Kenneth Ramey	7/19/02 12:30
Relinquished by:	Date/Time	Accepted By:	Date/Time
Kenneth Ramey	7/19/02 15:50	Vickie Dowdle	7/19/02 1550
Seal/Locked by[20]	Date/Time	Seal/Lock Opened By:	Date/Time

Turnaround Requested[21]
☒ Routine (2 weeks)
☐ Rush (1 week)
☐ Emergency Rush (24-48 Hrs.)*
Date Results Requested: _____
*Additional Charges Will Apply

Sample Matrix[22] NC ☐ SC ☐
Ground Water ☐ NPDES ☐
Drinking Water ☐ UST ☐
RCRA Waste ☐ Other ☐

TEMP:[23]

Comments:[24]

Original – AL Files[25] Copy 1– AL Files Copy 2 – Client Copy

See Instructions on the back of this form.

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Sample ID # : **22026557** Job # : **02-JUL-0497**

Sample Description: **BRAM-75SW**

Collection Date: **15-Jul-02 15:30:00** Site : BRAMLETT Sample Type: MGP SOIL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **07/29/02**

	Result	Reporting Limit	Flag
Benzene	< 4.0 ug/Kg	4.0 ug/Kg	0
Toluene	< 4.0 ug/Kg	4.0 ug/Kg	0
Ethylbenzene	< 4.0 ug/Kg	4.0 ug/Kg	0
m-p-Xylene	< 8.0 ug/Kg	8.0 ug/Kg	0
o-Xylene	< 4.0 ug/Kg	4.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **07/31/02**

	Result	Reporting Limit	Flag
Naphthalene	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Methylnaphthalene	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthylene	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Dibenzofuran	< 1.2 mg/Kg	1.2 mg/Kg	0
Fluorene	< 1.2 mg/Kg	1.2 mg/Kg	0
Phenanthrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Anthracene	< 1.2 mg/Kg	1.2 mg/Kg	0
Fluoranthene	1.6 mg/Kg	1.2 mg/Kg	0
Pyrene	1.6 mg/Kg	1.2 mg/Kg	0
Benzo(a)anthracene	< 1.2 mg/Kg	1.2 mg/Kg	0
Chrysene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(b)fluoranthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(k)fluoranthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(a)pyrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Dibenzo(a,h)anthracene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(g,h,i)perylene	< 1.2 mg/Kg	1.2 mg/Kg	0

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Sample ID # : **22026563** Job # : **02-JUL-0497**

Sample Description: **BRAM-76SW**

Collection Date: **17-Jul-02 14:30:00** Site : **BRAMLETT** Sample Type: **MGP SOIL** Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **07/29/02**

	Result	Reporting Limit	Flag
Benzene	< 4.0 ug/Kg	4.0 ug/Kg	0
Toluene	< 4.0 ug/Kg	4.0 ug/Kg	0
Ethylbenzene	< 4.0 ug/Kg	4.0 ug/Kg	0
m-p-Xylene	< 7.0 ug/Kg	7.0 ug/Kg	0
o-Xylene	< 4.0 ug/Kg	4.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **07/31/02**

	Result	Reporting Limit	Flag
Naphthalene	< 1.1 mg/Kg	1.1 mg/Kg	0
2-Methylnaphthalene	< 1.1 mg/Kg	1.1 mg/Kg	0
Acenaphthylene	< 1.1 mg/Kg	1.1 mg/Kg	0
Acenaphthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Dibenzofuran	< 1.1 mg/Kg	1.1 mg/Kg	0
Fluorene	< 1.1 mg/Kg	1.1 mg/Kg	0
Phenanthrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Anthracene	< 1.1 mg/Kg	1.1 mg/Kg	0
Fluoranthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Pyrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(a)anthracene	< 1.1 mg/Kg	1.1 mg/Kg	0
Chrysene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(b)fluoranthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(k)fluoranthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(a)pyrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Dibenzo(a,h)anthracene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(g,h,i)perylene	< 1.1 mg/Kg	1.1 mg/Kg	0

Duke Energy

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Fax: 704-875-5038

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South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22026564** Job # : **02-JUL-0497**

Sample Description: **BRAM-77SW**

Collection Date: **18-Jul-02 09:20:00** Site : **BRAMLETT** Sample Type: **MGP SOIL** Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **07/29/02**

	Result	Reporting Limit	Flag
Benzene	< 3.0 ug/Kg	3.0 ug/Kg	0
Toluene	< 3.0 ug/Kg	3.0 ug/Kg	0
Ethylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
m-p-Xylene	< 6.0 ug/Kg	6.0 ug/Kg	0
o-Xylene	< 3.0 ug/Kg	3.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **07/31/02**

	Result	Reporting Limit	Flag
Naphthalene	< 1.1 mg/Kg	1.1 mg/Kg	0
2-Methylnaphthalene	< 1.1 mg/Kg	1.1 mg/Kg	0
Acenaphthylene	< 1.1 mg/Kg	1.1 mg/Kg	0
Acenaphthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Dibenzofuran	< 1.1 mg/Kg	1.1 mg/Kg	0
Fluorene	< 1.1 mg/Kg	1.1 mg/Kg	0
Phenanthrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Anthracene	< 1.1 mg/Kg	1.1 mg/Kg	0
Fluoranthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Pyrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(a)anthracene	< 1.1 mg/Kg	1.1 mg/Kg	0
Chrysene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(b)fluoranthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(k)fluoranthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(a)pyrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Dibenzo(a,h)anthracene	< 1.1 mg/Kg	1.1 mg/Kg	0

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South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22026564** Job # : **02-JUL-0497**

Sample Description: **BRAM-77SW**

Collection Date: **18-Jul-02 09:20:00** Site : BRAMLETT Sample Type: MGP SOIL Desktop #

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **07/31/02**

	Result	Reporting Limit	Flag
Benzo(g,h,i)perylene	< 1.1 mg/Kg	1.1 mg/Kg	0

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration, *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration.
7 - Reported concentration is the combination of more that one aroclor. (Reported Aroclor is the Aroclor of highest concentration in the sample)

Troy Whisenant 8/2/02
Data Reported By, Date

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Form 89962 (9-97) Previously Form 35226

Duke Power Analytical Laboratory
MNS Bldg. # 7405 (MG03A2)
13339 Hagers Ferry Road
Huntersville, NC 28078
Phone: (704) 875-5209/875-5245[1]
Fax: (704) 875-5038

LAB USE[8]

LIMS #	02-JUL-0643	Sample Class	SOIL
Logged By (Ini.)	Time	Date	Vendored Samples
EBC	809	7/29/02	

Vendor	Analysis

Vendor	P.O. #

Container Type: (✓)Glass ( )Plastic[13]

Preservative Added[14]

HNO_3													
H_2SO_4													
Ice													
Other													
None	X	X											

CLIENT[2]: "Tim Hunsucker" Report to/Ph.[4]:
Project Name[3]: Mail Code: MG03A3
FMIS #
Business Unit[4]: Resp. Center To: 0193
Project ID[5]: MGP BRAM
Activity ID[6]: All ACTV
Process[7]:

Sample #[9]	Lab PROFS #[10]	Sample Description or ID[11]	Collection Information[12] Date	Time	Signature	GRAB[16]	COMP[17]	Analysis Required[15] 8260 MGP	8270 MGP	TOTAL # OF CONTAINERS[15]
22027476		BRAM-78B	7/25/02	1700	[signature]	X		X	X	2
22027477		BRAM-79SW	7/24/02	1530	[signature]	X		X	X	2

Relinquished by:[19]	Date/Time	Accepted By:	Date/Time
[signature]	7/25/02 @ 1230	[signature]	7/25/02 @ 1230
Relinquished by:	Date/Time	Accepted By:	Date/Time
[signature]	7/29/02 @ 0645	[signature] 7/29/02	0720
Seal/Locked by[20]	Date/Time	Seal/Lock Opened By:	Date/Time

Turnaround Requested[21]
- ☑ Routine (2 weeks)
- ☐ Rush (1 week)
- ☐ Emergency Rush (24-48 Hrs.)*

Date Results Requested: _____
*Additional Charges Will Apply

Sample Matrix[22] NC ☐ SC ☑
Ground Water ☐ NPDES ☐
Drinking Water ☐ UST ☐
RCRA Waste ☐ Other ☐

TEMP:[23] on ice

Comments:[24]

Original – AL Files[25] Copy 1– AL Files Copy 2 – Client Copy

See Instructions on the back of this form.

Duke Energy SM

8270/625 Analysis Case Narrative

(This document must accompany release of Analytical Data)

LIMS Job # ***02-JUL-0643***

Worklist # ***02-JUL-0645***

- *The percent recovery for naphthalene in the Laboratory Control Sample did not meet the laboratory control limits. The results for this analyte should be considered an estimate for samples 22027476 and 22027477.*

Analyst Signature

Shannon Rollins

Duke Energy Analytical Laboratory Services

Environment, Health & Safety Services
Phone: 704-875-5245
FAX: 704-875-5038

Environmental Center – MG03A2
13339 Hagers Ferry Road
Huntersville NC 28078-7929

Duke Energy Analytical Laboratory

Environment, Health and Safety Services
Phone: 704-875-5245
Fax: 704-875-5038
13339 Hagers Ferry Road
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South Carolina (DHEC) Laboratory ID # 99005 North Carolina (DENR) Certification # 248

Sample ID # : **22027476** Job # : **02-JUL-0643**

Sample Description: **BRAM - 78 B**

Collection Date: 23-Jul-02 17:00:00 Site : BRAMLETT Sample Type: MGP SOIL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **08/07/02**

	Result	Reporting Limit	Flag
Benzene	< 10 ug/Kg	10 ug/Kg	0
Toluene	< 10 ug/Kg	10 ug/Kg	0
Ethylbenzene	< 10 ug/Kg	10 ug/Kg	0
m-p-Xylene	< 20 ug/Kg	20 ug/Kg	0
o-Xylene	< 10 ug/Kg	10 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **07/31/02**

	Result	Reporting Limit	Flag
Naphthalene	< 1.2 mg/Kg	1.2 mg/Kg	1
2-Methylnaphthalene	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthylene	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Dibenzofuran	< 1.2 mg/Kg	1.2 mg/Kg	0
Fluorene	< 1.2 mg/Kg	1.2 mg/Kg	0
Phenanthrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Anthracene	< 1.2 mg/Kg	1.2 mg/Kg	0
Fluoranthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Pyrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(a)anthracene	< 1.2 mg/Kg	1.2 mg/Kg	0
Chrysene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(b)fluoranthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(k)fluoranthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(a)pyrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Dibenzo(a,h)anthracene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(g,h,i)perylene	< 1.2 mg/Kg	1.2 mg/Kg	0

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Sample ID # : **22027477** Job # : **02-JUL-0643**

Sample Description: **BRAM - 79 SW**

Collection Date: 24-Jul-02 15:30:00 Site : BRAMLETT Sample Type: MGP SOIL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: MS8260MGPS Test Method: SW-846 5030B/8260B Date Posted: 08/07/02

	Result	Reporting Limit	Flag
Benzene	< 5.0 ug/Kg	5.0 ug/Kg	0
Toluene	< 5.0 ug/Kg	5.0 ug/Kg	0
Ethylbenzene	< 5.0 ug/Kg	5.0 ug/Kg	0
m-p-Xylene	< 11 ug/Kg	11 ug/Kg	0
o-Xylene	< 5.0 ug/Kg	5.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: MS8270MGPS Test Method: SW-846 8270C Date Posted: 07/31/02

	Result	Reporting Limit	Flag
Naphthalene	< 1.1 mg/Kg	1.1 mg/Kg	1
2-Methylnaphthalene	< 1.1 mg/Kg	1.1 mg/Kg	0
Acenaphthylene	< 1.1 mg/Kg	1.1 mg/Kg	0
Acenaphthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Dibenzofuran	< 1.1 mg/Kg	1.1 mg/Kg	0
Fluorene	< 1.1 mg/Kg	1.1 mg/Kg	0
Phenanthrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Anthracene	< 1.1 mg/Kg	1.1 mg/Kg	0
Fluoranthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Pyrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(a)anthracene	< 1.1 mg/Kg	1.1 mg/Kg	0
Chrysene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(b)fluoranthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(k)fluoranthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(a)pyrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Dibenzo(a,h)anthracene	< 1.1 mg/Kg	1.1 mg/Kg	0

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South Carolina (DHEC) Laboratory ID # 99005 North Carolina (DENR) Certification # 248

Sample ID # : **22027477** Job # : **02-JUL-0643**

Sample Description: **BRAM - 79 SW**

Collection Date: **24-Jul-02 15:30:00** Site : **BRAMLETT** Sample Type: **MGP SOIL** Desktop #

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **07/31/02**

	Result	Reporting Limit	Flag
Benzo(g,h,i)perylene	< 1.1 mg/Kg	1.1 mg/Kg	0

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration, *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration.
7 - Reported concentration is the combination of more that one aroclor. (Reported Aroclor is the Aroclor of highest concentration in the sample)

Troy Whisenant 8/8/

Data Reported By, Date

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

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Fax: (704) 875-5038

n 89962 (9-97)
P sty Form 35226

LAB USE[8]

LIMS # 02-AUG-0289 | Sample Class MGP

Logged By (Ini.)	Time	Date
TW	7:55	8/14/02

Vendored Samples

Vendor	Analysis

Vendor	P.O. #

Container Type: (✓)Glass ( )Plastic[13]

Preservative Added[14]													
HNO_3													
H_2SO_4													
Ice													
Other													
None	X	X											

CLIENT[2]: Tim Hunsucker Report to/Ph.[4]: ~~Tim Hunsucker~~ Richard Baker
Project Name[3]: _____ Mail Code: MG03A3
FMIS # Business Unit[4]: _____ Resp. Center To: 0193
Project ID[5]: MGP BRAM
Activity ID[6]: ALL ACTV
Process[7]: _____

Sample #[9]	Lab PROFS #[10]	Sample Description or ID[11]	Collection Information[12] Date	Time	Signature	GRAB[16]	COMP[17]	Analysis Required[15] 8260 MGP	8270 MGP	TOTAL # OF CONTAINERS[18]
		BRAM-80B	8/5/02	1440	~~Ken~~ Cobl	X		X	X	
		BRAM-81B	8/8/02	0900	~~Ken~~ Cobl	X		X	X	

Relinquished by:[19] Ken Cobl Date/Time 8/13/02
Relinquished by: Ralph C Cobl 8/13/02 4:00 Date/Time
Seal/Locked by[20] Date/Time

Accepted By: Ralph C Roberts 8/13/02 13:08 Date/Time
Accepted By: Troy Whisenant 400 8/13/02 Date/Time
Seal/Lock Opened By: Date/Time

Turnaround Requested[21]
☑ Routine (2 weeks)
☐ Rush (1 week)
☐ Emergency Rush (24-48 Hrs.)*
Date Results Requested: _____
*Additional Charges Will Apply

Sample Matrix[22] NC ☐ SC ☐
Ground Water ☐ NPDES ☐
Drinking Water ☐ UST ☐
RCRA Waste ☐ Other ☐

TEMP:[23]

Comments:[24]

See Instructions on the back of this form.

Original – AL Files[25] Copy 1 – AL Files Copy 2 – Client Copy

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South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22030211** Job # : **02-AUG-0289**

Sample Description: **BRAM-80B**

Collection Date: **5-Aug-02 14:40:00** Site : BRAMLETTE Sample Type: SOIL SPECIAL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **08/22/02**

	Result	Reporting Limit	Flag
Benzene	< 4.0 ug/Kg	4.0 ug/Kg	0
Toluene	< 4.0 ug/Kg	4.0 ug/Kg	0
Ethylbenzene	< 4.0 ug/Kg	4.0 ug/Kg	0
m-p-Xylene	< 7.0 ug/Kg	7.0 ug/Kg	0
o-Xylene	< 4.0 ug/Kg	4.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **08/19/02**

	Result	Reporting Limit	Flag
Naphthalene	< 1.1 mg/Kg	1.1 mg/Kg	0
2-Methylnaphthalene	< 1.1 mg/Kg	1.1 mg/Kg	0
Acenaphthylene	< 1.1 mg/Kg	1.1 mg/Kg	0
Acenaphthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Dibenzofuran	< 1.1 mg/Kg	1.1 mg/Kg	0
Fluorene	< 1.1 mg/Kg	1.1 mg/Kg	0
Phenanthrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Anthracene	< 1.1 mg/Kg	1.1 mg/Kg	0
Fluoranthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Pyrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(a)anthracene	< 1.1 mg/Kg	1.1 mg/Kg	0
Chrysene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(b)fluoranthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(k)fluoranthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(a)pyrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Dibenzo(a,h)anthracene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(g,h,i)perylene	< 1.1 mg/Kg	1.1 mg/Kg	0

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South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22030212** Job # : **02-AUG-0289**

Sample Description: **BRAM-81B**

Collection Date: **8-Aug-02 09:00:00** Site : BRAMLETTE Sample Type: SOIL SPECIAL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **08/22/02**

	Result	Reporting Limit	Flag
Benzene	< 5.0 ug/Kg	5.0 ug/Kg	0
Toluene	< 5.0 ug/Kg	5.0 ug/Kg	0
Ethylbenzene	< 5.0 ug/Kg	5.0 ug/Kg	0
m-p-Xylene	< 10 ug/Kg	10 ug/Kg	0
o-Xylene	< 5.0 ug/Kg	5.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **08/19/02**

	Result	Reporting Limit	Flag
Naphthalene	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Methylnaphthalene	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthylene	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Dibenzofuran	< 1.2 mg/Kg	1.2 mg/Kg	0
Fluorene	< 1.2 mg/Kg	1.2 mg/Kg	0
Phenanthrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Anthracene	< 1.2 mg/Kg	1.2 mg/Kg	0
Fluoranthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Pyrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(a)anthracene	< 1.2 mg/Kg	1.2 mg/Kg	0
Chrysene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(b)fluoranthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(k)fluoranthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(a)pyrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Dibenzo(a,h)anthracene	< 1.2 mg/Kg	1.2 mg/Kg	0

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Sample ID # : **22030212** Job # : **02-AUG-0289**

Sample Description: **BRAM-81B**

Collection Date: **8-Aug-02 09:00:00** Site : BRAMLETTE Sample Type: SOIL SPECIAL Desktop #

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **08/19/02**

	Result	Reporting Limit	Flag
Benzo(g,h,i)perylene	< 1.2 mg/Kg	1.2 mg/Kg	0

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration, *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration.
7 - Reported concentration is the combination of more that one aroclor. (Reported Aroclor is the Aroclor of highest concentration in the sample)

Troy Whisenant 8/26/02
Data Reported By, Date

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Duke Power's Analytical Laboratory
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Fax: (704) 875-5038

Mark McClary and

LAB USE[8]

LIMS # 02-OCT-0137 | Sample Class MGP

Logged By (Ini.)	Time	Date
VB3	0745	10/4/02

Vendored Samples

Vendor	Analysis

Vendor	P.O. #

CLIENT[2]: ~~Tim Hunsucker~~ Report to/Ph.[4]:

Project Name[3]: Mail Code: MG03A3

FMIS #
Business Unit[4]: Resp. Center To: 0193
Project ID[5]: MGP BRAM
Activity ID[6]: A11 ACTV
Process[7]:

Container Type: ( )Glass ( )Plastic[13]

Preservative Added[14]

Preservative Added[14]	Analysis Required[15]			TOTAL # OF CONTAINERS[18]
HNO_3				
H_2SO_4				
Ice				
Other				
None	X	X		

Sample #[9]	Lab PROFS #[10]	Sample Description or ID[11]	Collection Information[12] Date	Time	Signature	GRAB[16]	COMP[17]	MGP 8260	MGP 8270
32037771		BRAM - 82SW	9/30/02	1410	W.C.B.	X		X	X
32037772		BRAM - 83SW	10/1/02	0845	W.C.B.				
7773		BRAM - 84SW	10/1/02	1310	W.C.B.				
7779		BRAM - 85B	10/1/02	1320	W.C.B.				
7780		BRAM - 86SW	10/1/02	1325	W.C.B.				
7782		BRAM - 87B	10/2/02	0830	W.C.B.				
7783		BRAM - 88SW	10/2/02	0840	W.C.B.				
7785		BRAM - 89SW	10/3/02	1315	W.C.B.				

Relinquished by:[19] W.C.B. Date/Time 10/3/02 1:40 PM

Accepted By: Kenneth Strong Date/Time 10/3/02 1:40 PM

Relinquished by: Kenneth Strong Date/Time 10/3/02 15:45

Accepted By: Irene Cooler Date/Time 10/3/02 15:45

Seal/Locked By[20]

Seal/Lock Opened By:

Turnaround Requested[21]

- [X] Routine (2 weeks)
- [ ] Rush (1 week)
- [ ] Emergency Rush (24-48 Hrs.)*

Date Results Requested:

*Additional Charges Will Apply

Sample Matrix[22] NC ☐ SC ☐
Ground Water ☐ NPDES ☐
Drinking Water ☐ UST ☐
RCRA Waste ☐ Other ☐

TEMP:[23]

Comments:[24]

See Instructions on the back of this form.

Original – AL Files[25] Copy 1– AL Files Copy 2 – Client Copy

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8260 Analysis Case Narrative

(This document must accompany release of Analytical Data)

LIMS Job # 02-OCT-0137

Worklist # 02-OCT-0296

- The results for sample # 22037783 should be considered estimates due to internal and surrogate standard failures in the sample.

Analyst Signature
Therona James

Duke Energy Analytical Laboratory Services

Environmental, Health & Safety Services
Phone: 704-875-5245
FAX: 704-875-5028

Environmental Center - MG02A2
13339 Hagers Ferry Road
Huntersville NC 28078-7929

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Fax: 704-875-5038

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Sample ID # : **22037771** Job # : **02-OCT-0137**

Sample Description: **BRAM-82SW**

Collection Date: 30-Sep-02 14:10:00 Site : BRAMLETTE Sample Type: SOIL SPECIAL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: MS8260MGPS Test Method: SW-846 5030B/8260B Date Posted: 10/11/02

	Result	Reporting Limit	Flag
Benzene	< 4.0 ug/Kg	4.0 ug/Kg	0
Toluene	< 4.0 ug/Kg	4.0 ug/Kg	0
Ethylbenzene	< 4.0 ug/Kg	4.0 ug/Kg	0
m-p-Xylene	< 7.0 ug/Kg	7.0 ug/Kg	0
o-Xylene	< 4.0 ug/Kg	4.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: MS8270MGPS Test Method: SW-846 8270C Date Posted: 10/17/02

	Result	Reporting Limit	Flag
Naphthalene	< 1.1 mg/Kg	1.1 mg/Kg	0
2-Methylnaphthalene	< 1.1 mg/Kg	1.1 mg/Kg	0
Acenaphthylene	< 1.1 mg/Kg	1.1 mg/Kg	0
Acenaphthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Dibenzofuran	< 1.1 mg/Kg	1.1 mg/Kg	0
Fluorene	< 1.1 mg/Kg	1.1 mg/Kg	0
Phenanthrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Anthracene	< 1.1 mg/Kg	1.1 mg/Kg	0
Fluoranthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Pyrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(a)anthracene	< 1.1 mg/Kg	1.1 mg/Kg	0
Chrysene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(b)fluoranthene	2.3 mg/Kg	1.1 mg/Kg	0
Benzo(k)fluoranthene	1.8 mg/Kg	1.1 mg/Kg	0
Benzo(a)pyrene	1.5 mg/Kg	1.1 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	1.8 mg/Kg	1.1 mg/Kg	0
Dibenzo(a,h)anthracene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(g,h,i)perylene	1.9 mg/Kg	1.1 mg/Kg	0

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Sample ID # : **22037772** Job # : **02-OCT-0137**

Sample Description: **BRAM-83SW**

Collection Date: **1-Oct-02 08:45:00** Site : BRAMLETTE Sample Type: SOIL SPECIAL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: MS8260MGPS Test Method: SW-846 5030B/8260B Date Posted: 10/11/02

	Result	Reporting Limit	Flag
Benzene	< 3.0 ug/Kg	3.0 ug/Kg	0
Toluene	< 3.0 ug/Kg	3.0 ug/Kg	0
Ethylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
m-p-Xylene	< 7.0 ug/Kg	7.0 ug/Kg	0
o-Xylene	< 3.0 ug/Kg	3.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: MS8270MGPS Test Method: SW-846 8270C Date Posted: 10/17/02

	Result	Reporting Limit	Flag
Naphthalene	< 1.0 mg/Kg	1.0 mg/Kg	0
2-Methylnaphthalene	< 1.0 mg/Kg	1.0 mg/Kg	0
Acenaphthylene	< 1.0 mg/Kg	1.0 mg/Kg	0
Acenaphthene	< 1.0 mg/Kg	1.0 mg/Kg	0
Dibenzofuran	< 1.0 mg/Kg	1.0 mg/Kg	0
Fluorene	< 1.0 mg/Kg	1.0 mg/Kg	0
Phenanthrene	< 1.0 mg/Kg	1.0 mg/Kg	0
Anthracene	< 1.0 mg/Kg	1.0 mg/Kg	0
Fluoranthene	< 1.0 mg/Kg	1.0 mg/Kg	0
Pyrene	< 1.0 mg/Kg	1.0 mg/Kg	0
Benzo(a)anthracene	< 1.0 mg/Kg	1.0 mg/Kg	0
Chrysene	< 1.0 mg/Kg	1.0 mg/Kg	0
Benzo(b)fluoranthene	< 1.0 mg/Kg	1.0 mg/Kg	0
Benzo(k)fluoranthene	< 1.0 mg/Kg	1.0 mg/Kg	0
Benzo(a)pyrene	< 1.0 mg/Kg	1.0 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 1.0 mg/Kg	1.0 mg/Kg	0
Dibenzo(a,h)anthracene	< 1.0 mg/Kg	1.0 mg/Kg	0
Benzo(g,h,i)perylene	< 1.0 mg/Kg	1.0 mg/Kg	0

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Sample ID # : **22037773** Job # : **02-OCT-0137**

Sample Description: **BRAM-84SW**

Collection Date: **1-Oct-02 13:10:00** Site : BRAMLETTE Sample Type: SOIL SPECIAL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: MS8260MGPS Test Method: SW-846 5030B/8260B Date Posted: 10/11/02

	Result	Reporting Limit	Flag
Benzene	< 3.0 ug/Kg	3.0 ug/Kg	0
Toluene	< 3.0 ug/Kg	3.0 ug/Kg	0
Ethylbenzene	< 3.0 ug/Kg	3.0 ug/Kg	0
m-p-Xylene	< 7.0 ug/Kg	7.0 ug/Kg	0
o-Xylene	< 3.0 ug/Kg	3.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: MS8270MGPS Test Method: SW-846 8270C Date Posted: 10/17/02

	Result	Reporting Limit	Flag
Naphthalene	< 0.94 mg/Kg	0.94 mg/Kg	0
2-Methylnaphthalene	< 0.94 mg/Kg	0.94 mg/Kg	0
Acenaphthylene	< 0.94 mg/Kg	0.94 mg/Kg	0
Acenaphthene	< 0.94 mg/Kg	0.94 mg/Kg	0
Dibenzofuran	< 0.94 mg/Kg	0.94 mg/Kg	0
Fluorene	< 0.94 mg/Kg	0.94 mg/Kg	0
Phenanthrene	< 0.94 mg/Kg	0.94 mg/Kg	0
Anthracene	< 0.94 mg/Kg	0.94 mg/Kg	0
Fluoranthene	< 0.94 mg/Kg	0.94 mg/Kg	0
Pyrene	< 0.94 mg/Kg	0.94 mg/Kg	0
Benzo(a)anthracene	< 0.94 mg/Kg	0.94 mg/Kg	0
Chrysene	< 0.94 mg/Kg	0.94 mg/Kg	0
Benzo(b)fluoranthene	< 0.94 mg/Kg	0.94 mg/Kg	0
Benzo(k)fluoranthene	< 0.94 mg/Kg	0.94 mg/Kg	0
Benzo(a)pyrene	< 0.94 mg/Kg	0.94 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 0.94 mg/Kg	0.94 mg/Kg	0
Dibenzo(a,h)anthracene	< 0.94 mg/Kg	0.94 mg/Kg	0
Benzo(g,h,i)perylene	< 0.94 mg/Kg	0.94 mg/Kg	0

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Sample ID # : **22037779** Job # : **02-OCT-0137**

Sample Description: **BRAM-85B**

Collection Date: **1-Oct-02 13:20:00** Site : BRAMLETTE Sample Type: SOIL SPECIAL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: MS8260MGPS Test Method: SW-846 5030B/8260B Date Posted: 10/11/02

	Result	Reporting Limit	Flag
Benzene	< 5.0 ug/Kg	5.0 ug/Kg	0
Toluene	17 ug/Kg	5.0 ug/Kg	0
Ethylbenzene	< 5.0 ug/Kg	5.0 ug/Kg	0
m-p-Xylene	< 10 ug/Kg	10 ug/Kg	0
o-Xylene	< 5.0 ug/Kg	5.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: MS8270MGPS Test Method: SW-846 8270C Date Posted: 10/17/02

	Result	Reporting Limit	Flag
Naphthalene	< 0.94 mg/Kg	0.94 mg/Kg	0
2-Methylnaphthalene	< 0.94 mg/Kg	0.94 mg/Kg	0
Acenaphthylene	< 0.94 mg/Kg	0.94 mg/Kg	0
Acenaphthene	< 0.94 mg/Kg	0.94 mg/Kg	0
Dibenzofuran	< 0.94 mg/Kg	0.94 mg/Kg	0
Fluorene	< 0.94 mg/Kg	0.94 mg/Kg	0
Phenanthrene	< 0.94 mg/Kg	0.94 mg/Kg	0
Anthracene	< 0.94 mg/Kg	0.94 mg/Kg	0
Fluoranthene	< 0.94 mg/Kg	0.94 mg/Kg	0
Pyrene	< 0.94 mg/Kg	0.94 mg/Kg	0
Benzo(a)anthracene	< 0.94 mg/Kg	0.94 mg/Kg	0
Chrysene	< 0.94 mg/Kg	0.94 mg/Kg	0
Benzo(b)fluoranthene	< 0.94 mg/Kg	0.94 mg/Kg	0
Benzo(k)fluoranthene	< 0.94 mg/Kg	0.94 mg/Kg	0
Benzo(a)pyrene	< 0.94 mg/Kg	0.94 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 0.94 mg/Kg	0.94 mg/Kg	0
Dibenzo(a,h)anthracene	< 0.94 mg/Kg	0.94 mg/Kg	0
Benzo(g,h,i)perylene	< 0.94 mg/Kg	0.94 mg/Kg	0

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Fax: 704-875-5038

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Sample ID # : 22037780 Job # : 02-OCT-0137

Sample Description: BRAM-86SW

Collection Date: 1-Oct-02 13:25:00 Site : BRAMLETTE Sample Type: SOIL SPECIAL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: MS8260MGPS Test Method: SW-846 5030B/8260B Date Posted: 10/11/02

	Result	Reporting Limit	Flag
Benzene	< 4.0 ug/Kg	4.0 ug/Kg	0
Toluene	< 4.0 ug/Kg	4.0 ug/Kg	0
Ethylbenzene	< 4.0 ug/Kg	4.0 ug/Kg	0
m-p-Xylene	< 8.0 ug/Kg	8.0 ug/Kg	0
o-Xylene	< 4.0 ug/Kg	4.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: MS8270MGPS Test Method: SW-846 8270C Date Posted: 10/17/02

	Result	Reporting Limit	Flag
Naphthalene	< 0.87 mg/Kg	0.87 mg/Kg	0
2-Methylnaphthalene	< 0.87 mg/Kg	0.87 mg/Kg	0
Acenaphthylene	< 0.87 mg/Kg	0.87 mg/Kg	0
Acenaphthene	< 0.87 mg/Kg	0.87 mg/Kg	0
Dibenzofuran	< 0.87 mg/Kg	0.87 mg/Kg	0
Fluorene	< 0.87 mg/Kg	0.87 mg/Kg	0
Phenanthrene	< 0.87 mg/Kg	0.87 mg/Kg	0
Anthracene	< 0.87 mg/Kg	0.87 mg/Kg	0
Fluoranthene	< 0.87 mg/Kg	0.87 mg/Kg	0
Pyrene	< 0.87 mg/Kg	0.87 mg/Kg	0
Benzo(a)anthracene	< 0.87 mg/Kg	0.87 mg/Kg	0
Chrysene	< 0.87 mg/Kg	0.87 mg/Kg	0
Benzo(b)fluoranthene	< 0.87 mg/Kg	0.87 mg/Kg	0
Benzo(k)fluoranthene	< 0.87 mg/Kg	0.87 mg/Kg	0
Benzo(a)pyrene	< 0.87 mg/Kg	0.87 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 0.87 mg/Kg	0.87 mg/Kg	0
Dibenzo(a,h)anthracene	< 0.87 mg/Kg	0.87 mg/Kg	0
Benzo(g,h,i)perylene	< 0.87 mg/Kg	0.87 mg/Kg	0

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Sample ID # : **22037782** Job # : **02-OCT-0137**

Sample Description: **BRAM-87B**

Collection Date: 2-Oct-02 08:30:00 Site : BRAMLETTE Sample Type: SOIL SPECIAL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: MS8260MGPS Test Method: SW-846 5030B/8260B Date Posted: 10/11/02

	Result	Reporting Limit	Flag
Benzene	< 4.0 ug/Kg	4.0 ug/Kg	0
Toluene	< 4.0 ug/Kg	4.0 ug/Kg	0
Ethylbenzene	< 4.0 ug/Kg	4.0 ug/Kg	0
m-p-Xylene	< 8.0 ug/Kg	8.0 ug/Kg	0
o-Xylene	< 4.0 ug/Kg	4.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: MS8270MGPS Test Method: SW-846 8270C Date Posted: 10/17/02

	Result	Reporting Limit	Flag
Naphthalene	< 0.86 mg/Kg	0.86 mg/Kg	0
2-Methylnaphthalene	< 0.86 mg/Kg	0.86 mg/Kg	0
Acenaphthylene	< 0.86 mg/Kg	0.86 mg/Kg	0
Acenaphthene	< 0.86 mg/Kg	0.86 mg/Kg	0
Dibenzofuran	< 0.86 mg/Kg	0.86 mg/Kg	0
Fluorene	< 0.86 mg/Kg	0.86 mg/Kg	0
Phenanthrene	< 0.86 mg/Kg	0.86 mg/Kg	0
Anthracene	< 0.86 mg/Kg	0.86 mg/Kg	0
Fluoranthene	< 0.86 mg/Kg	0.86 mg/Kg	0
Pyrene	< 0.86 mg/Kg	0.86 mg/Kg	0
Benzo(a)anthracene	< 0.86 mg/Kg	0.86 mg/Kg	0
Chrysene	< 0.86 mg/Kg	0.86 mg/Kg	0
Benzo(b)fluoranthene	< 0.86 mg/Kg	0.86 mg/Kg	0
Benzo(k)fluoranthene	< 0.86 mg/Kg	0.86 mg/Kg	0
Benzo(a)pyrene	< 0.86 mg/Kg	0.86 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 0.86 mg/Kg	0.86 mg/Kg	0
Dibenzo(a,h)anthracene	< 0.86 mg/Kg	0.86 mg/Kg	0
Benzo(g,h,i)perylene	< 0.86 mg/Kg	0.86 mg/Kg	0

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Sample ID # : **22037783** Job # : **02-OCT-0137**

Sample Description: **BRAM-88SW**

Collection Date: **2-Oct-02 08:40:00** Site : **BRAMLETTE** Sample Type: **SOIL SPECIAL** Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **10/17/02**

	Result	Reporting Limit	Flag
Benzene	< 4.0 ug/Kg	4.0 ug/Kg	1
Toluene	< 4.0 ug/Kg	4.0 ug/Kg	1
Ethylbenzene	< 4.0 ug/Kg	4.0 ug/Kg	1
m-p-Xylene	< 7.0 ug/Kg	7.0 ug/Kg	1
o-Xylene	< 4.0 ug/Kg	4.0 ug/Kg	1

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **10/17/02**

	Result	Reporting Limit	Flag
Naphthalene	< 0.73 mg/Kg	0.73 mg/Kg	0
2-Methylnaphthalene	< 0.73 mg/Kg	0.73 mg/Kg	0
Acenaphthylene	< 0.73 mg/Kg	0.73 mg/Kg	0
Acenaphthene	< 0.73 mg/Kg	0.73 mg/Kg	0
Dibenzofuran	< 0.73 mg/Kg	0.73 mg/Kg	0
Fluorene	< 0.73 mg/Kg	0.73 mg/Kg	0
Phenanthrene	< 0.73 mg/Kg	0.73 mg/Kg	0
Anthracene	< 0.73 mg/Kg	0.73 mg/Kg	0
Fluoranthene	< 0.73 mg/Kg	0.73 mg/Kg	0
Pyrene	< 0.73 mg/Kg	0.73 mg/Kg	0
Benzo(a)anthracene	< 0.73 mg/Kg	0.73 mg/Kg	0
Chrysene	< 0.73 mg/Kg	0.73 mg/Kg	0
Benzo(b)fluoranthene	< 0.73 mg/Kg	0.73 mg/Kg	0
Benzo(k)fluoranthene	< 0.73 mg/Kg	0.73 mg/Kg	0
Benzo(a)pyrene	< 0.73 mg/Kg	0.73 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 0.73 mg/Kg	0.73 mg/Kg	0
Dibenzo(a,h)anthracene	< 0.73 mg/Kg	0.73 mg/Kg	0
Benzo(g,h,i)perylene	< 0.73 mg/Kg	0.73 mg/Kg	0

Duke Energy

Duke Energy Analytical Laboratory

Environment, Health and Safety Services
Phone: 704-875-5245
Fax: 704-875-5038

13339 Hagers Ferry Road
Huntersville, NC 28078-7929
McGuire Nuclear Complex - MG03A2

Certificate of Analysis

New York State Department of Health Certification # 11717
Nevada Department of Conservation and Natural Resources
Oklahoma Department of Environmental Quality Certification # 9930
Kansas Department of Health and Environment Certificate # E-10311
Louisiana Department of Environmental Quality (LELAP) Certificate # 02012
North Carolina Department of Health & Human Services Certification # 37804
South Carolina (DHEC) Laboratory ID # 99005 North Carolina (DENR) Certification # 248

Sample ID # : **22037785** Job # : **02-OCT-0137**

Sample Description: **BRAM-89SW**

Collection Date: 3-Oct-02 13:15:00 Site : BRAMLETTE Sample Type: SOIL SPECIAL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: MS8260MGPS Test Method: SW-846 5030B/8260B Date Posted: 10/15/02

	Result	Reporting Limit	Flag
Benzene	< 16 ug/Kg	16 ug/Kg	0
Toluene	< 16 ug/Kg	16 ug/Kg	0
Ethylbenzene	< 16 ug/Kg	16 ug/Kg	0
m-p-Xylene	< 31 ug/Kg	31 ug/Kg	0
o-Xylene	< 16 ug/Kg	16 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: MS8270MGPS Test Method: SW-846 8270C Date Posted: 10/17/02

	Result	Reporting Limit	Flag
Naphthalene	< 1.5 mg/Kg	1.5 mg/Kg	0
2-Methylnaphthalene	< 1.5 mg/Kg	1.5 mg/Kg	0
Acenaphthylene	< 1.5 mg/Kg	1.5 mg/Kg	0
Acenaphthene	< 1.5 mg/Kg	1.5 mg/Kg	0
Dibenzofuran	< 1.5 mg/Kg	1.5 mg/Kg	0
Fluorene	< 1.5 mg/Kg	1.5 mg/Kg	0
Phenanthrene	< 1.5 mg/Kg	1.5 mg/Kg	0
Anthracene	< 1.5 mg/Kg	1.5 mg/Kg	0
Fluoranthene	< 1.5 mg/Kg	1.5 mg/Kg	0
Pyrene	1.8 mg/Kg	1.5 mg/Kg	0
Benzo(a)anthracene	< 1.5 mg/Kg	1.5 mg/Kg	0
Chrysene	< 1.5 mg/Kg	1.5 mg/Kg	0
Benzo(b)fluoranthene	< 1.5 mg/Kg	1.5 mg/Kg	0
Benzo(k)fluoranthene	< 1.5 mg/Kg	1.5 mg/Kg	0
Benzo(a)pyrene	< 1.5 mg/Kg	1.5 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 1.5 mg/Kg	1.5 mg/Kg	0
Dibenzo(a,h)anthracene	< 1.5 mg/Kg	1.5 mg/Kg	0

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Louisiana Department of Environmental Quality (LELAP) Certificate # 02012
North Carolina Department of Health & Human Services Certificaton # 37804
South Carolina (DHEC) Laboratory ID # 99005 North Carolina (DENR) Certification # 248

Sample ID # : **22037785** Job # : **02-OCT-0137**

Sample Description: **BRAM-89SW**

Collection Date: **3-Oct-02 13:15:00** Site : BRAMLETTE Sample Type: SOIL SPECIAL Desktop #

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: MS8270MGPS Test Method: SW-846 8270C Date Posted: 10/17/02

	Result	Reporting Limit	Flag
Benzo(g,h,i)perylene	< 1.5 mg/Kg	1.5 mg/Kg	0

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration, See Case Narrative
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration.
7 - Reported concentration is the combination of more than one aroclor (Reported Aroclor is the Aroclor of highest concentration in the sample)

Troy Whisnant 10/18/
Data Reported By, Date

ENERGY DELIVERY SERV

JOB #185

	DATE	TIME	TO/FROM	MODE	MIN/SEC	PGS	STATUS
001	2/05	16:39	704 660 7996	G3--S	00'38"	003	OK

Duke Energy.
Energy Delivery Services

ENERGY DELIVERY SERVICES, INC.
6615 CRAIG STREET
CHARLOTTE, NC 28214
PHONE: 704-382-4284
FAX: 704-382-4108

660-7996

To: Eric Fax: ~~704-664-9495~~

From: Carol Arrowood Date: 2-5-03

Phone: 704-382-2710

Re: Insurance Coverage Pages: 2

CC:

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Notes:

CHAIN-OF-CUSTODY / Analytical Request Document

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

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581360

Page: 1 of 1

Section A — Required Client Information:

Company:

Address:

Phone:

Fax:

Section B — Required Client Information:

Report To: Dwight Little

Copy To:

Invoice To: Dwight Little

P.O.: Bramlette MCP

Project Name: Bramlette MCP

Project Number:

Client Information (Check quote/contract):

Requested Due Date: 10/11/02

*TAT:

* Turn around times less than 14 days subject to laboratory and contractual obligations and may result in a Rush Turnaround Surcharge.

Turn Around Time (TAT) in calendar days.

Section C — To Be Completed by Pace Analytical and Client

Quote Reference:

Project Manager:

Project #: 37364

Profile #:

Requested Analysis:

Section D — Required Client Information:

SAMPLE ID

One character per box.
(A–Z, 0–9 / .–)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
WATER	WT
SOIL	SL
OIL	OL
WIPE	WP
AIR	AR
TISSUE	TS
OTHER	OT

ITEM #	SAMPLE ID	MATRIX CODE	DATE COLLECTED (mm / dd / yy)	TIME COLLECTED (hh:mm a/p)	# Containers	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Remarks / Lab ID
1	0 S W	SL	10/8/02	13:05	2	X							225637960
2	1 S W			13:11									804
3	2 S W			13:14									812
4	3 S W			13:36									820
5	4 S W			13:39									838
6													
7													
8													
9													
10													
11													
12													

Rush Results

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS
[illegible]		10/8/02	

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	[illegible]	10/8/02	1700			
				[illegible]	10/8/02	0940

Additional Comments:

[illegible] 10/8/02 PM

Pace Project No.:

SAMPLE CONDITION

Temp: ____ °C	Received on Ice: Y / N	Sealed Cooler: Y / N	Samples Intact: Y / N	pH ___

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Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

October 11, 2002

Mr. Dwight Little
Duke Engineering
PO Box 2876
Greenville, SC 29602

RE: Lab Project Number: 9237364
Client Project ID: Bramlette MGP

Dear Mr. Little:

Enclosed are the analytical results for sample(s) received by the laboratory on October 9, 2002. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Kristi K. Tart

Kristi Tart
Kristi.Tart@pacelabs.com
Project Manager

Enclosures

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www.pacelabs.com

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9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 9237364
Client Project ID: Bramlette MGP

Solid results are reported on a dry weight basis

Lab Sample No: 922563796 Project Sample Number: 9237364-001 Date Collected: 10/08/02 13:05
Client Sample ID: 90SW Matrix: Soil Date Received: 10/09/02 09:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry								
Percent Moisture	Method: % Moisture							
Percent Moisture	12.7	%		10/09/02	CDE			
GC/MS Semivolatiles								
Semivolatile Organics	Prep/Method: EPA 3550 / EPA 8270							
Acenaphthene	ND	ug/kg	380	10/10/02 22:17	RPJ	83-32-9		
Acenaphthylene	ND	ug/kg	380	10/10/02 22:17	RPJ	208-96-8		
Anthracene	ND	ug/kg	380	10/10/02 22:17	RPJ	120-12-7		
Benzo(a)anthracene	ND	ug/kg	380	10/10/02 22:17	RPJ	56-55-3		
Benzo(a)pyrene	ND	ug/kg	380	10/10/02 22:17	RPJ	50-32-8		
Benzo(b)fluoranthene	ND	ug/kg	380	10/10/02 22:17	RPJ	205-99-2		
Benzo(g,h,i)perylene	ND	ug/kg	380	10/10/02 22:17	RPJ	191-24-2		
Benzo(k)fluoranthene	ND	ug/kg	380	10/10/02 22:17	RPJ	207-08-9		
Benzoic acid	ND	ug/kg	1900	10/10/02 22:17	RPJ	65-85-0		
Benzyl alcohol	ND	ug/kg	760	10/10/02 22:17	RPJ	100-51-6		
4-Bromophenylphenyl ether	ND	ug/kg	380	10/10/02 22:17	RPJ	101-55-3		
Butylbenzylphthalate	ND	ug/kg	380	10/10/02 22:17	RPJ	85-68-7		
4-Chloro-3-methylphenol	ND	ug/kg	760	10/10/02 22:17	RPJ	59-50-7		
4-Chloroaniline	ND	ug/kg	760	10/10/02 22:17	RPJ	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/kg	380	10/10/02 22:17	RPJ	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/kg	380	10/10/02 22:17	RPJ	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/kg	380	10/10/02 22:17	RPJ	39638-32-9		
2-Chloronaphthalene	ND	ug/kg	380	10/10/02 22:17	RPJ	91-58-7		
2-Chlorophenol	ND	ug/kg	380	10/10/02 22:17	RPJ	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/kg	380	10/10/02 22:17	RPJ	7005-72-3		
Chrysene	ND	ug/kg	380	10/10/02 22:17	RPJ	218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	380	10/10/02 22:17	RPJ	53-70-3		
Dibenzofuran	ND	ug/kg	380	10/10/02 22:17	RPJ	132-64-9		
1,2-Dichlorobenzene	ND	ug/kg	380	10/10/02 22:17	RPJ	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	380	10/10/02 22:17	RPJ	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	380	10/10/02 22:17	RPJ	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/kg	760	10/10/02 22:17	RPJ	91-94-1		
2,4-Dichlorophenol	ND	ug/kg	380	10/10/02 22:17	RPJ	120-83-2		
Diethylphthalate	ND	ug/kg	380	10/10/02 22:17	RPJ	84-66-2		
2,4-Dimethylphenol	ND	ug/kg	380	10/10/02 22:17	RPJ	105-67-9		
Dimethylphthalate	ND	ug/kg	380	10/10/02 22:17	RPJ	131-11-3		
Di-n-butylphthalate	ND	ug/kg	380	10/10/02 22:17	RPJ	84-74-2		

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Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 9237364
Client Project ID: Bramlette MGP

Lab Sample No: 922563796 Project Sample Number: 9237364-001 Date Collected: 10/08/02 13:05
Client Sample ID: 90SW Matrix: Soil Date Received: 10/09/02 09:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
4,6-Dinitro-2-methylphenol	ND	ug/kg	380	10/10/02 22:17	RPJ	534-52-1		
2,4-Dinitrophenol	ND	ug/kg	1900	10/10/02 22:17	RPJ	51-28-5		
2,4-Dinitrotoluene	ND	ug/kg	380	10/10/02 22:17	RPJ	121-14-2		
2,6-Dinitrotoluene	ND	ug/kg	380	10/10/02 22:17	RPJ	606-20-2		
Di-n-octylphthalate	ND	ug/kg	380	10/10/02 22:17	RPJ	117-84-0		
1,2-Diphenylhydrazine	ND	ug/kg	380	10/10/02 22:17	RPJ	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	ug/kg	380	10/10/02 22:17	RPJ	117-81-7		
Fluoranthene	ND	ug/kg	380	10/10/02 22:17	RPJ	206-44-0		
Fluorene	ND	ug/kg	380	10/10/02 22:17	RPJ	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/kg	380	10/10/02 22:17	RPJ	87-68-3		
Hexachlorobenzene	ND	ug/kg	380	10/10/02 22:17	RPJ	118-74-1		
Hexachlorocyclopentadiene	ND	ug/kg	380	10/10/02 22:17	RPJ	77-47-4		
Hexachloroethane	ND	ug/kg	380	10/10/02 22:17	RPJ	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	380	10/10/02 22:17	RPJ	193-39-5		
Isophorone	ND	ug/kg	380	10/10/02 22:17	RPJ	78-59-1		
2-Methylnaphthalene	ND	ug/kg	380	10/10/02 22:17	RPJ	91-57-6		
2-Methylphenol (o-Cresol)	ND	ug/kg	380	10/10/02 22:17	RPJ	95-48-7		
3&4-Methylphenol	ND	ug/kg	380	10/10/02 22:17	RPJ			
Naphthalene	ND	ug/kg	380	10/10/02 22:17	RPJ	91-20-3		
2-Nitroaniline	ND	ug/kg	1900	10/10/02 22:17	RPJ	88-74-4		
3-Nitroaniline	ND	ug/kg	1900	10/10/02 22:17	RPJ	99-09-2		
4-Nitroaniline	ND	ug/kg	1900	10/10/02 22:17	RPJ	100-01-6		
Nitrobenzene	ND	ug/kg	380	10/10/02 22:17	RPJ	98-95-3		
2-Nitrophenol	ND	ug/kg	380	10/10/02 22:17	RPJ	88-75-5		
4-Nitrophenol	ND	ug/kg	1900	10/10/02 22:17	RPJ	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/kg	380	10/10/02 22:17	RPJ	621-64-7		
N-Nitrosodiphenylamine	ND	ug/kg	380	10/10/02 22:17	RPJ	86-30-6		
Pentachlorophenol	ND	ug/kg	1900	10/10/02 22:17	RPJ	87-86-5		
Phenanthrene	ND	ug/kg	380	10/10/02 22:17	RPJ	85-01-8		
Phenol	ND	ug/kg	380	10/10/02 22:17	RPJ	108-95-2		
Pyrene	ND	ug/kg	380	10/10/02 22:17	RPJ	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/kg	380	10/10/02 22:17	RPJ	120-82-1		
2,4,5-Trichlorophenol	ND	ug/kg	380	10/10/02 22:17	RPJ	95-95-4		
2,4,6-Trichlorophenol	ND	ug/kg	380	10/10/02 22:17	RPJ	88-06-2		
Nitrobenzene-d5 (S)	52	%		10/10/02 22:17	RPJ	4165-60-0		
2-Fluorobiphenyl (S)	44	%		10/10/02 22:17	RPJ	321-60-8		
Terphenyl-d14 (S)	72	%		10/10/02 22:17	RPJ	1718-51-0		
Phenol-d5 (S)	28	%		10/10/02 22:17	RPJ	4165-62-2		
2-Fluorophenol (S)	11	%		10/10/02 22:17	RPJ	367-12-4	1	

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Lab Project Number: 9237364
Client Project ID: Bramlette MGP

Lab Sample No: 922563796 Project Sample Number: 9237364-001 Date Collected: 10/08/02 13:05
Client Sample ID: 90SW Matrix: Soil Date Received: 10/09/02 09:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
2,4,6-Tribromophenol (S)	28	%		10/10/02 22:17	RPJ			
Date Extracted	10/09/02			10/09/02				

GC/MS Volatiles

GC/MS VOCs by 8260, low level	Method: EPA 8260							
Benzene	ND	ug/kg	5.7	10/10/02 14:05	DLK	71-43-2		
Bromobenzene	ND	ug/kg	5.7	10/10/02 14:05	DLK	108-86-1		
Bromochloromethane	ND	ug/kg	5.7	10/10/02 14:05	DLK	74-97-5		
Bromodichloromethane	ND	ug/kg	5.7	10/10/02 14:05	DLK	75-27-4		
Bromoform	ND	ug/kg	5.7	10/10/02 14:05	DLK	75-25-2		
Bromomethane	ND	ug/kg	11.	10/10/02 14:05	DLK	74-83-9		
n-Butylbenzene	ND	ug/kg	5.7	10/10/02 14:05	DLK	104-51-8		
sec-Butylbenzene	ND	ug/kg	5.7	10/10/02 14:05	DLK	135-98-8		
tert-Butylbenzene	ND	ug/kg	5.7	10/10/02 14:05	DLK	98-06-6		
Carbon tetrachloride	ND	ug/kg	5.7	10/10/02 14:05	DLK	56-23-5		
Chlorobenzene	ND	ug/kg	5.7	10/10/02 14:05	DLK	108-90-7		
Chloroethane	ND	ug/kg	11.	10/10/02 14:05	DLK	75-00-3		
Chloroform	ND	ug/kg	5.7	10/10/02 14:05	DLK	67-66-3		
Chloromethane	ND	ug/kg	11.	10/10/02 14:05	DLK	74-87-3		
2-Chlorotoluene	ND	ug/kg	5.7	10/10/02 14:05	DLK	95-49-8		
4-Chlorotoluene	ND	ug/kg	5.7	10/10/02 14:05	DLK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.7	10/10/02 14:05	DLK	96-12-8		
Dibromochloromethane	ND	ug/kg	5.7	10/10/02 14:05	DLK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	5.7	10/10/02 14:05	DLK	106-93-4		
Dibromomethane	ND	ug/kg	5.7	10/10/02 14:05	DLK	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	5.7	10/10/02 14:05	DLK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	5.7	10/10/02 14:05	DLK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	5.7	10/10/02 14:05	DLK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	11.	10/10/02 14:05	DLK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	5.7	10/10/02 14:05	DLK	75-34-3		
1,2-Dichloroethane	ND	ug/kg	5.7	10/10/02 14:05	DLK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	5.7	10/10/02 14:05	DLK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	5.7	10/10/02 14:05	DLK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	5.7	10/10/02 14:05	DLK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	5.7	10/10/02 14:05	DLK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	5.7	10/10/02 14:05	DLK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	5.7	10/10/02 14:05	DLK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	5.7	10/10/02 14:05	DLK	563-58-6		
Diisopropyl ether	ND	ug/kg	5.7	10/10/02 14:05	DLK	108-20-3		

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Lab Project Number: 9237364
Client Project ID: Bramlette MGP

Lab Sample No: 922563796 Project Sample Number: 9237364-001 Date Collected: 10/08/02 13:05
Client Sample ID: 90SW Matrix: Soil Date Received: 10/09/02 09:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Ethylbenzene	ND	ug/kg	5.7	10/10/02 14:05	DLK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	5.7	10/10/02 14:05	DLK	87-68-3		
Isopropylbenzene (Cumene)	ND	ug/kg	5.7	10/10/02 14:05	DLK	98-82-8		
p-Isopropyltoluene	ND	ug/kg	5.7	10/10/02 14:05	DLK	99-87-6		
Methylene chloride	14.	ug/kg	5.7	10/10/02 14:05	DLK	75-09-2	2	
Methyl-tert-butyl ether	ND	ug/kg	5.7	10/10/02 14:05	DLK	1634-04-4		
Naphthalene	ND	ug/kg	5.7	10/10/02 14:05	DLK	91-20-3		
n-Propylbenzene	ND	ug/kg	5.7	10/10/02 14:05	DLK	103-65-1		
Styrene	ND	ug/kg	5.7	10/10/02 14:05	DLK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.7	10/10/02 14:05	DLK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.7	10/10/02 14:05	DLK	79-34-5		
Tetrachloroethene	ND	ug/kg	5.7	10/10/02 14:05	DLK	127-18-4		
Toluene	ND	ug/kg	5.7	10/10/02 14:05	DLK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	5.7	10/10/02 14:05	DLK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	5.7	10/10/02 14:05	DLK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	5.7	10/10/02 14:05	DLK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	5.7	10/10/02 14:05	DLK	79-00-5		
Trichloroethene	ND	ug/kg	5.7	10/10/02 14:05	DLK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	5.7	10/10/02 14:05	DLK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	5.7	10/10/02 14:05	DLK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	5.7	10/10/02 14:05	DLK	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	5.7	10/10/02 14:05	DLK	108-67-8		
Vinyl chloride	ND	ug/kg	11.	10/10/02 14:05	DLK	75-01-4		
m&p-Xylene	ND	ug/kg	11.	10/10/02 14:05	DLK			
o-Xylene	ND	ug/kg	5.7	10/10/02 14:05	DLK	95-47-6		
Toluene-d8 (S)	92	%		10/10/02 14:05	DLK	2037-26-5		
4-Bromofluorobenzene (S)	53	%		10/10/02 14:05	DLK	460-00-4	3	
Dibromofluoromethane (S)	142	%		10/10/02 14:05	DLK	1868-53-7	4	
1,2-Dichloroethane-d4 (S)	135	%		10/10/02 14:05	DLK	17060-07-0		

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Lab Project Number: 9237364
Client Project ID: Bramlette MGP

Lab Sample No: 922563804 Project Sample Number: 9237364-002 Date Collected: 10/08/02 13:11
Client Sample ID: 91SW Matrix: Soil Date Received: 10/09/02 09:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry								
Percent Moisture	Method: % Moisture							
Percent Moisture	20.4	%		10/09/02	CDE			
GC/MS Semivolatiles								
Semivolatile Organics	Prep/Method: EPA 3550 / EPA 8270							
Acenaphthene	ND	ug/kg	830	10/10/02 21:04	RPJ	83-32-9		
Acenaphthylene	ND	ug/kg	830	10/10/02 21:04	RPJ	208-96-8		
Anthracene	ND	ug/kg	830	10/10/02 21:04	RPJ	120-12-7		
Benzo(a)anthracene	ND	ug/kg	830	10/10/02 21:04	RPJ	56-55-3		
Benzo(a)pyrene	ND	ug/kg	830	10/10/02 21:04	RPJ	50-32-8		
Benzo(b)fluoranthene	ND	ug/kg	830	10/10/02 21:04	RPJ	205-99-2		
Benzo(g,h,i)perylene	ND	ug/kg	830	10/10/02 21:04	RPJ	191-24-2		
Benzo(k)fluoranthene	ND	ug/kg	830	10/10/02 21:04	RPJ	207-08-9		
Benzoic acid	ND	ug/kg	4100	10/10/02 21:04	RPJ	65-85-0		
Benzyl alcohol	ND	ug/kg	1700	10/10/02 21:04	RPJ	100-51-6		
4-Bromophenylphenyl ether	ND	ug/kg	830	10/10/02 21:04	RPJ	101-55-3		
Butylbenzylphthalate	ND	ug/kg	830	10/10/02 21:04	RPJ	85-68-7		
4-Chloro-3-methylphenol	ND	ug/kg	1700	10/10/02 21:04	RPJ	59-50-7		
4-Chloroaniline	ND	ug/kg	1700	10/10/02 21:04	RPJ	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/kg	830	10/10/02 21:04	RPJ	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/kg	830	10/10/02 21:04	RPJ	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/kg	830	10/10/02 21:04	RPJ	39638-32-9		
2-Chloronaphthalene	ND	ug/kg	830	10/10/02 21:04	RPJ	91-58-7		
2-Chlorophenol	ND	ug/kg	830	10/10/02 21:04	RPJ	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/kg	830	10/10/02 21:04	RPJ	7005-72-3		
Chrysene	ND	ug/kg	830	10/10/02 21:04	RPJ	218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	830	10/10/02 21:04	RPJ	53-70-3		
Dibenzofuran	ND	ug/kg	830	10/10/02 21:04	RPJ	132-64-9		
1,2-Dichlorobenzene	ND	ug/kg	830	10/10/02 21:04	RPJ	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	830	10/10/02 21:04	RPJ	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	830	10/10/02 21:04	RPJ	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/kg	1700	10/10/02 21:04	RPJ	91-94-1		
2,4-Dichlorophenol	ND	ug/kg	830	10/10/02 21:04	RPJ	120-83-2		
Diethylphthalate	ND	ug/kg	830	10/10/02 21:04	RPJ	84-66-2		
2,4-Dimethylphenol	ND	ug/kg	830	10/10/02 21:04	RPJ	105-67-9		
Dimethylphthalate	ND	ug/kg	830	10/10/02 21:04	RPJ	131-11-3		
Di-n-butylphthalate	ND	ug/kg	830	10/10/02 21:04	RPJ	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/kg	830	10/10/02 21:04	RPJ	534-52-1		

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Fax: 704.875.9091

Lab Project Number: 9237364
Client Project ID: Bramlette MGP

Lab Sample No: 922563804 Project Sample Number: 9237364-002 Date Collected: 10/08/02 13:11
Client Sample ID: 91SW Matrix: Soil Date Received: 10/09/02 09:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
2,4-Dinitrophenol	ND	ug/kg	4100	10/10/02 21:04	RPJ	51-28-5		
2,4-Dinitrotoluene	ND	ug/kg	830	10/10/02 21:04	RPJ	121-14-2		
2,6-Dinitrotoluene	ND	ug/kg	830	10/10/02 21:04	RPJ	606-20-2		
Di-n-octylphthalate	ND	ug/kg	830	10/10/02 21:04	RPJ	117-84-0		
1,2-Diphenylhydrazine	ND	ug/kg	830	10/10/02 21:04	RPJ	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	ug/kg	830	10/10/02 21:04	RPJ	117-81-7		
Fluoranthene	ND	ug/kg	830	10/10/02 21:04	RPJ	206-44-0		
Fluorene	ND	ug/kg	830	10/10/02 21:04	RPJ	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/kg	830	10/10/02 21:04	RPJ	87-68-3		
Hexachlorobenzene	ND	ug/kg	830	10/10/02 21:04	RPJ	118-74-1		
Hexachlorocyclopentadiene	ND	ug/kg	830	10/10/02 21:04	RPJ	77-47-4		
Hexachloroethane	ND	ug/kg	830	10/10/02 21:04	RPJ	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	830	10/10/02 21:04	RPJ	193-39-5		
Isophorone	ND	ug/kg	830	10/10/02 21:04	RPJ	78-59-1		
2-Methylnaphthalene	ND	ug/kg	830	10/10/02 21:04	RPJ	91-57-6		
2-Methylphenol (o-Cresol)	ND	ug/kg	830	10/10/02 21:04	RPJ	95-48-7		
3&4-Methylphenol	ND	ug/kg	830	10/10/02 21:04	RPJ			
Naphthalene	ND	ug/kg	830	10/10/02 21:04	RPJ	91-20-3		
2-Nitroaniline	ND	ug/kg	4100	10/10/02 21:04	RPJ	88-74-4		
3-Nitroaniline	ND	ug/kg	4100	10/10/02 21:04	RPJ	99-09-2		
4-Nitroaniline	ND	ug/kg	4100	10/10/02 21:04	RPJ	100-01-6		
Nitrobenzene	ND	ug/kg	830	10/10/02 21:04	RPJ	98-95-3		
2-Nitrophenol	ND	ug/kg	830	10/10/02 21:04	RPJ	88-75-5		
4-Nitrophenol	ND	ug/kg	4100	10/10/02 21:04	RPJ	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/kg	830	10/10/02 21:04	RPJ	621-64-7		
N-Nitrosodiphenylamine	ND	ug/kg	830	10/10/02 21:04	RPJ	86-30-6		
Pentachlorophenol	ND	ug/kg	4100	10/10/02 21:04	RPJ	87-86-5		
Phenanthrene	ND	ug/kg	830	10/10/02 21:04	RPJ	85-01-8		
Phenol	ND	ug/kg	830	10/10/02 21:04	RPJ	108-95-2		
Pyrene	ND	ug/kg	830	10/10/02 21:04	RPJ	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/kg	830	10/10/02 21:04	RPJ	120-82-1		
2,4,5-Trichlorophenol	ND	ug/kg	830	10/10/02 21:04	RPJ	95-95-4		
2,4,6-Trichlorophenol	ND	ug/kg	830	10/10/02 21:04	RPJ	88-06-2		
Nitrobenzene-d5 (S)	66	%		10/10/02 21:04	RPJ	4165-60-0		
2-Fluorobiphenyl (S)	66	%		10/10/02 21:04	RPJ	321-60-8		
Terphenyl-d14 (S)	101	%		10/10/02 21:04	RPJ	1718-51-0		
Phenol-d5 (S)	67	%		10/10/02 21:04	RPJ	4165-62-2		
2-Fluorophenol (S)	54	%		10/10/02 21:04	RPJ	367-12-4		
2,4,6-Tribromophenol (S)	79	%		10/10/02 21:04	RPJ			

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Huntersville, NC 28078
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Lab Project Number: 9237364
Client Project ID: Bramlette MGP

Lab Sample No: 922563804 Project Sample Number: 9237364-002 Date Collected: 10/08/02 13:11
Client Sample ID: 91SW Matrix: Soil Date Received: 10/09/02 09:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Date Extracted	10/09/02			10/09/02				
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
Benzene	ND	ug/kg	6.3	10/10/02 13:04	DLK	71-43-2		
Bromobenzene	ND	ug/kg	6.3	10/10/02 13:04	DLK	108-86-1		
Bromochloromethane	ND	ug/kg	6.3	10/10/02 13:04	DLK	74-97-5		
Bromodichloromethane	ND	ug/kg	6.3	10/10/02 13:04	DLK	75-27-4		
Bromoform	ND	ug/kg	6.3	10/10/02 13:04	DLK	75-25-2		
Bromomethane	ND	ug/kg	13.	10/10/02 13:04	DLK	74-83-9		
n-Butylbenzene	ND	ug/kg	6.3	10/10/02 13:04	DLK	104-51-8		
sec-Butylbenzene	ND	ug/kg	6.3	10/10/02 13:04	DLK	135-98-8		
tert-Butylbenzene	ND	ug/kg	6.3	10/10/02 13:04	DLK	98-06-6		
Carbon tetrachloride	ND	ug/kg	6.3	10/10/02 13:04	DLK	56-23-5		
Chlorobenzene	ND	ug/kg	6.3	10/10/02 13:04	DLK	108-90-7		
Chloroethane	ND	ug/kg	13.	10/10/02 13:04	DLK	75-00-3		
Chloroform	ND	ug/kg	6.3	10/10/02 13:04	DLK	67-66-3		
Chloromethane	ND	ug/kg	13.	10/10/02 13:04	DLK	74-87-3		
2-Chlorotoluene	ND	ug/kg	6.3	10/10/02 13:04	DLK	95-49-8		
4-Chlorotoluene	ND	ug/kg	6.3	10/10/02 13:04	DLK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.3	10/10/02 13:04	DLK	96-12-8		
Dibromochloromethane	ND	ug/kg	6.3	10/10/02 13:04	DLK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	6.3	10/10/02 13:04	DLK	106-93-4		
Dibromomethane	ND	ug/kg	6.3	10/10/02 13:04	DLK	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	6.3	10/10/02 13:04	DLK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	6.3	10/10/02 13:04	DLK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	6.3	10/10/02 13:04	DLK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	13.	10/10/02 13:04	DLK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	6.3	10/10/02 13:04	DLK	75-34-3		
1,2-Dichloroethane	ND	ug/kg	6.3	10/10/02 13:04	DLK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	6.3	10/10/02 13:04	DLK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	6.3	10/10/02 13:04	DLK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	6.3	10/10/02 13:04	DLK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	6.3	10/10/02 13:04	DLK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	6.3	10/10/02 13:04	DLK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	6.3	10/10/02 13:04	DLK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	6.3	10/10/02 13:04	DLK	563-58-6		
Diisopropyl ether	ND	ug/kg	6.3	10/10/02 13:04	DLK	108-20-3		
Ethylbenzene	ND	ug/kg	6.3	10/10/02 13:04	DLK	100-41-4		

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Huntersville, NC 28078
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Fax: 704.875.9091

Lab Project Number: 9237364
Client Project ID: Bramlette MGP

Lab Sample No: 922563804 Project Sample Number: 9237364-002 Date Collected: 10/08/02 13:11
Client Sample ID: 91SW Matrix: Soil Date Received: 10/09/02 09:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Hexachloro-1,3-butadiene	ND	ug/kg	6.3	10/10/02 13:04	DLK	87-68-3		
Isopropylbenzene (Cumene)	ND	ug/kg	6.3	10/10/02 13:04	DLK	98-82-8		
p-Isopropyltoluene	ND	ug/kg	6.3	10/10/02 13:04	DLK	99-87-6		
Methylene chloride	12.	ug/kg	6.3	10/10/02 13:04	DLK	75-09-2		
Methyl-tert-butyl ether	ND	ug/kg	6.3	10/10/02 13:04	DLK	1634-04-4		
Naphthalene	ND	ug/kg	6.3	10/10/02 13:04	DLK	91-20-3		
n-Propylbenzene	ND	ug/kg	6.3	10/10/02 13:04	DLK	103-65-1		
Styrene	ND	ug/kg	6.3	10/10/02 13:04	DLK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.3	10/10/02 13:04	DLK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.3	10/10/02 13:04	DLK	79-34-5		
Tetrachloroethene	ND	ug/kg	6.3	10/10/02 13:04	DLK	127-18-4		
Toluene	ND	ug/kg	6.3	10/10/02 13:04	DLK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	6.3	10/10/02 13:04	DLK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	6.3	10/10/02 13:04	DLK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	6.3	10/10/02 13:04	DLK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	6.3	10/10/02 13:04	DLK	79-00-5		
Trichloroethene	ND	ug/kg	6.3	10/10/02 13:04	DLK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	6.3	10/10/02 13:04	DLK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	6.3	10/10/02 13:04	DLK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	6.3	10/10/02 13:04	DLK	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	6.3	10/10/02 13:04	DLK	108-67-8		
Vinyl chloride	ND	ug/kg	13.	10/10/02 13:04	DLK	75-01-4		
m&p-Xylene	ND	ug/kg	13.	10/10/02 13:04	DLK			
o-Xylene	ND	ug/kg	6.3	10/10/02 13:04	DLK	95-47-6		
Toluene-d8 (S)	91	%		10/10/02 13:04	DLK	2037-26-5		
4-Bromofluorobenzene (S)	56	%		10/10/02 13:04	DLK	460-00-4	3	
Dibromofluoromethane (S)	127	%		10/10/02 13:04	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	114	%		10/10/02 13:04	DLK	17060-07-0		

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Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 9237364
Client Project ID: Bramlette MGP

Lab Sample No: 922563812 Project Sample Number: 9237364-003 Date Collected: 10/08/02 13:16
Client Sample ID: 92SW Matrix: Soil Date Received: 10/09/02 09:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry								
Percent Moisture	Method: % Moisture							
Percent Moisture	28.2	%		10/09/02	CDE			
GC/MS Semivolatiles								
Semivolatile Organics	Prep/Method: EPA 3550 / EPA 8270							
Acenaphthene	ND	ug/kg	460	10/10/02 22:54	RPJ	83-32-9		
Acenaphthylene	ND	ug/kg	460	10/10/02 22:54	RPJ	208-96-8		
Anthracene	ND	ug/kg	460	10/10/02 22:54	RPJ	120-12-7		
Benzo(a)anthracene	ND	ug/kg	460	10/10/02 22:54	RPJ	56-55-3		
Benzo(a)pyrene	ND	ug/kg	460	10/10/02 22:54	RPJ	50-32-8		
Benzo(b)fluoranthene	ND	ug/kg	460	10/10/02 22:54	RPJ	205-99-2		
Benzo(g,h,i)perylene	ND	ug/kg	460	10/10/02 22:54	RPJ	191-24-2		
Benzo(k)fluoranthene	ND	ug/kg	460	10/10/02 22:54	RPJ	207-08-9		
Benzoic acid	ND	ug/kg	2300	10/10/02 22:54	RPJ	65-85-0		
Benzyl alcohol	ND	ug/kg	920	10/10/02 22:54	RPJ	100-51-6		
4-Bromophenylphenyl ether	ND	ug/kg	460	10/10/02 22:54	RPJ	101-55-3		
Butylbenzylphthalate	ND	ug/kg	460	10/10/02 22:54	RPJ	85-68-7		
4-Chloro-3-methylphenol	ND	ug/kg	920	10/10/02 22:54	RPJ	59-50-7		
4-Chloroaniline	ND	ug/kg	920	10/10/02 22:54	RPJ	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/kg	460	10/10/02 22:54	RPJ	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/kg	460	10/10/02 22:54	RPJ	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/kg	460	10/10/02 22:54	RPJ	39638-32-9		
2-Chloronaphthalene	ND	ug/kg	460	10/10/02 22:54	RPJ	91-58-7		
2-Chlorophenol	ND	ug/kg	460	10/10/02 22:54	RPJ	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/kg	460	10/10/02 22:54	RPJ	7005-72-3		
Chrysene	ND	ug/kg	460	10/10/02 22:54	RPJ	218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	460	10/10/02 22:54	RPJ	53-70-3		
Dibenzofuran	ND	ug/kg	460	10/10/02 22:54	RPJ	132-64-9		
1,2-Dichlorobenzene	ND	ug/kg	460	10/10/02 22:54	RPJ	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	460	10/10/02 22:54	RPJ	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	460	10/10/02 22:54	RPJ	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/kg	920	10/10/02 22:54	RPJ	91-94-1		
2,4-Dichlorophenol	ND	ug/kg	460	10/10/02 22:54	RPJ	120-83-2		
Diethylphthalate	ND	ug/kg	460	10/10/02 22:54	RPJ	84-66-2		
2,4-Dimethylphenol	ND	ug/kg	460	10/10/02 22:54	RPJ	105-67-9		
Dimethylphthalate	ND	ug/kg	460	10/10/02 22:54	RPJ	131-11-3		
Di-n-butylphthalate	ND	ug/kg	460	10/10/02 22:54	RPJ	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/kg	460	10/10/02 22:54	RPJ	534-52-1		

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Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 9237364
Client Project ID: Bramlette MGP

Lab Sample No: 922563812 Project Sample Number: 9237364-003 Date Collected: 10/08/02 13:16
Client Sample ID: 92SW Matrix: Soil Date Received: 10/09/02 09:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
2,4-Dinitrophenol	ND	ug/kg	2300	10/10/02 22:54	RPJ	51-28-5		
2,4-Dinitrotoluene	ND	ug/kg	460	10/10/02 22:54	RPJ	121-14-2		
2,6-Dinitrotoluene	ND	ug/kg	460	10/10/02 22:54	RPJ	606-20-2		
Di-n-octylphthalate	ND	ug/kg	460	10/10/02 22:54	RPJ	117-84-0		
1,2-Diphenylhydrazine	ND	ug/kg	460	10/10/02 22:54	RPJ	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	ug/kg	460	10/10/02 22:54	RPJ	117-81-7		
Fluoranthene	ND	ug/kg	460	10/10/02 22:54	RPJ	206-44-0		
Fluorene	ND	ug/kg	460	10/10/02 22:54	RPJ	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/kg	460	10/10/02 22:54	RPJ	87-68-3		
Hexachlorobenzene	ND	ug/kg	460	10/10/02 22:54	RPJ	118-74-1		
Hexachlorocyclopentadiene	ND	ug/kg	460	10/10/02 22:54	RPJ	77-47-4		
Hexachloroethane	ND	ug/kg	460	10/10/02 22:54	RPJ	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	460	10/10/02 22:54	RPJ	193-39-5		
Isophorone	ND	ug/kg	460	10/10/02 22:54	RPJ	78-59-1		
2-Methylnaphthalene	830	ug/kg	460	10/10/02 22:54	RPJ	91-57-6		
2-Methylphenol (o-Cresol)	ND	ug/kg	460	10/10/02 22:54	RPJ	95-48-7		
3&4-Methylphenol	ND	ug/kg	460	10/10/02 22:54	RPJ			
Naphthalene	490	ug/kg	460	10/10/02 22:54	RPJ	91-20-3		
2-Nitroaniline	ND	ug/kg	2300	10/10/02 22:54	RPJ	88-74-4		
3-Nitroaniline	ND	ug/kg	2300	10/10/02 22:54	RPJ	99-09-2		
4-Nitroaniline	ND	ug/kg	2300	10/10/02 22:54	RPJ	100-01-6		
Nitrobenzene	ND	ug/kg	460	10/10/02 22:54	RPJ	98-95-3		
2-Nitrophenol	ND	ug/kg	460	10/10/02 22:54	RPJ	88-75-5		
4-Nitrophenol	ND	ug/kg	2300	10/10/02 22:54	RPJ	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/kg	460	10/10/02 22:54	RPJ	621-64-7		
N-Nitrosodiphenylamine	ND	ug/kg	460	10/10/02 22:54	RPJ	86-30-6		
Pentachlorophenol	ND	ug/kg	2300	10/10/02 22:54	RPJ	87-86-5		
Phenanthrene	ND	ug/kg	460	10/10/02 22:54	RPJ	85-01-8		
Phenol	ND	ug/kg	460	10/10/02 22:54	RPJ	108-95-2		
Pyrene	ND	ug/kg	460	10/10/02 22:54	RPJ	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/kg	460	10/10/02 22:54	RPJ	120-82-1		
2,4,5-Trichlorophenol	ND	ug/kg	460	10/10/02 22:54	RPJ	95-95-4		
2,4,6-Trichlorophenol	ND	ug/kg	460	10/10/02 22:54	RPJ	88-06-2		
Nitrobenzene-d5 (S)	62	%		10/10/02 22:54	RPJ	4165-60-0		
2-Fluorobiphenyl (S)	63	%		10/10/02 22:54	RPJ	321-60-8		
Terphenyl-d14 (S)	100	%		10/10/02 22:54	RPJ	1718-51-0		
Phenol-d5 (S)	32	%		10/10/02 22:54	RPJ	4165-62-2		
2-Fluorophenol (S)	14	%		10/10/02 22:54	RPJ	367-12-4	1	
2,4,6-Tribromophenol (S)	39	%		10/10/02 22:54	RPJ			

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Fax: 704.875.9091

Lab Project Number: 9237364
Client Project ID: Bramlette MGP

Lab Sample No: 922563812 Project Sample Number: 9237364-003 Date Collected: 10/08/02 13:16
Client Sample ID: 92SW Matrix: Soil Date Received: 10/09/02 09:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Date Extracted	10/09/02			10/09/02				
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
Benzene	ND	ug/kg	7.0	10/10/02 16:05	DLK	71-43-2		
Bromobenzene	ND	ug/kg	7.0	10/10/02 16:05	DLK	108-86-1		
Bromochloromethane	ND	ug/kg	7.0	10/10/02 16:05	DLK	74-97-5		
Bromodichloromethane	ND	ug/kg	7.0	10/10/02 16:05	DLK	75-27-4		
Bromoform	ND	ug/kg	7.0	10/10/02 16:05	DLK	75-25-2		
Bromomethane	ND	ug/kg	14.	10/10/02 16:05	DLK	74-83-9		
n-Butylbenzene	ND	ug/kg	7.0	10/10/02 16:05	DLK	104-51-8		
sec-Butylbenzene	ND	ug/kg	7.0	10/10/02 16:05	DLK	135-98-8		
tert-Butylbenzene	ND	ug/kg	7.0	10/10/02 16:05	DLK	98-06-6		
Carbon tetrachloride	ND	ug/kg	7.0	10/10/02 16:05	DLK	56-23-5		
Chlorobenzene	ND	ug/kg	7.0	10/10/02 16:05	DLK	108-90-7		
Chloroethane	ND	ug/kg	14.	10/10/02 16:05	DLK	75-00-3		
Chloroform	ND	ug/kg	7.0	10/10/02 16:05	DLK	67-66-3		
Chloromethane	ND	ug/kg	14.	10/10/02 16:05	DLK	74-87-3		
2-Chlorotoluene	ND	ug/kg	7.0	10/10/02 16:05	DLK	95-49-8		
4-Chlorotoluene	ND	ug/kg	7.0	10/10/02 16:05	DLK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.0	10/10/02 16:05	DLK	96-12-8		
Dibromochloromethane	ND	ug/kg	7.0	10/10/02 16:05	DLK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	7.0	10/10/02 16:05	DLK	106-93-4		
Dibromomethane	ND	ug/kg	7.0	10/10/02 16:05	DLK	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	7.0	10/10/02 16:05	DLK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	7.0	10/10/02 16:05	DLK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	7.0	10/10/02 16:05	DLK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	14.	10/10/02 16:05	DLK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	7.0	10/10/02 16:05	DLK	75-34-3		
1,2-Dichloroethane	ND	ug/kg	7.0	10/10/02 16:05	DLK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	7.0	10/10/02 16:05	DLK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	7.0	10/10/02 16:05	DLK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	7.0	10/10/02 16:05	DLK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	7.0	10/10/02 16:05	DLK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	7.0	10/10/02 16:05	DLK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	7.0	10/10/02 16:05	DLK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	7.0	10/10/02 16:05	DLK	563-58-6		
Diisopropyl ether	ND	ug/kg	7.0	10/10/02 16:05	DLK	108-20-3		
Ethylbenzene	ND	ug/kg	7.0	10/10/02 16:05	DLK	100-41-4		

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Lab Project Number: 9237364
Client Project ID: Bramlette MGP

Lab Sample No: 922563812 Project Sample Number: 9237364-003 Date Collected: 10/08/02 13:16
Client Sample ID: 92SW Matrix: Soil Date Received: 10/09/02 09:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Hexachloro-1,3-butadiene	ND	ug/kg	7.0	10/10/02 16:05	DLK	87-68-3		
Isopropylbenzene (Cumene)	ND	ug/kg	7.0	10/10/02 16:05	DLK	98-82-8		
p-Isopropyltoluene	ND	ug/kg	7.0	10/10/02 16:05	DLK	99-87-6		
Methylene chloride	9.0	ug/kg	7.0	10/10/02 16:05	DLK	75-09-2		
Methyl-tert-butyl ether	ND	ug/kg	7.0	10/10/02 16:05	DLK	1634-04-4		
Naphthalene	ND	ug/kg	7.0	10/10/02 16:05	DLK	91-20-3		
n-Propylbenzene	ND	ug/kg	7.0	10/10/02 16:05	DLK	103-65-1		
Styrene	ND	ug/kg	7.0	10/10/02 16:05	DLK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	7.0	10/10/02 16:05	DLK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	7.0	10/10/02 16:05	DLK	79-34-5		
Tetrachloroethene	ND	ug/kg	7.0	10/10/02 16:05	DLK	127-18-4		
Toluene	ND	ug/kg	7.0	10/10/02 16:05	DLK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	7.0	10/10/02 16:05	DLK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	7.0	10/10/02 16:05	DLK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	7.0	10/10/02 16:05	DLK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	7.0	10/10/02 16:05	DLK	79-00-5		
Trichloroethene	ND	ug/kg	7.0	10/10/02 16:05	DLK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	7.0	10/10/02 16:05	DLK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	7.0	10/10/02 16:05	DLK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	7.0	10/10/02 16:05	DLK	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	7.0	10/10/02 16:05	DLK	108-67-8		
Vinyl chloride	ND	ug/kg	14.	10/10/02 16:05	DLK	75-01-4		
m&p-Xylene	ND	ug/kg	14.	10/10/02 16:05	DLK			
o-Xylene	ND	ug/kg	7.0	10/10/02 16:05	DLK	95-47-6		
Toluene-d8 (S)	95	%		10/10/02 16:05	DLK	2037-26-5		
4-Bromofluorobenzene (S)	50	%		10/10/02 16:05	DLK	460-00-4	3	
Dibromofluoromethane (S)	125	%		10/10/02 16:05	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	117	%		10/10/02 16:05	DLK	17060-07-0		

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Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 9237364
Client Project ID: Bramlette MGP

Lab Sample No: 922563820 Project Sample Number: 9237364-004 Date Collected: 10/08/02 13:30
Client Sample ID: 93SW Matrix: Soil Date Received: 10/09/02 09:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry								
Percent Moisture	Method: % Moisture							
Percent Moisture	11.3	%		10/09/02	CDE			
GC/MS Semivolatiles								
Semivolatile Organics	Prep/Method: EPA 3550 / EPA 8270							
Acenaphthene	ND	ug/kg	370	10/10/02 19:14	RPJ	83-32-9		
Acenaphthylene	ND	ug/kg	370	10/10/02 19:14	RPJ	208-96-8		
Anthracene	ND	ug/kg	370	10/10/02 19:14	RPJ	120-12-7		
Benzo(a)anthracene	ND	ug/kg	370	10/10/02 19:14	RPJ	56-55-3		
Benzo(a)pyrene	ND	ug/kg	370	10/10/02 19:14	RPJ	50-32-8		
Benzo(b)fluoranthene	ND	ug/kg	370	10/10/02 19:14	RPJ	205-99-2		
Benzo(g,h,i)perylene	ND	ug/kg	370	10/10/02 19:14	RPJ	191-24-2		
Benzo(k)fluoranthene	ND	ug/kg	370	10/10/02 19:14	RPJ	207-08-9		
Benzoic acid	ND	ug/kg	1900	10/10/02 19:14	RPJ	65-85-0		
Benzyl alcohol	ND	ug/kg	740	10/10/02 19:14	RPJ	100-51-6		
4-Bromophenylphenyl ether	ND	ug/kg	370	10/10/02 19:14	RPJ	101-55-3		
Butylbenzylphthalate	ND	ug/kg	370	10/10/02 19:14	RPJ	85-68-7		
4-Chloro-3-methylphenol	ND	ug/kg	740	10/10/02 19:14	RPJ	59-50-7		
4-Chloroaniline	ND	ug/kg	740	10/10/02 19:14	RPJ	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/kg	370	10/10/02 19:14	RPJ	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/kg	370	10/10/02 19:14	RPJ	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/kg	370	10/10/02 19:14	RPJ	39638-32-9		
2-Chloronaphthalene	ND	ug/kg	370	10/10/02 19:14	RPJ	91-58-7		
2-Chlorophenol	ND	ug/kg	370	10/10/02 19:14	RPJ	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/kg	370	10/10/02 19:14	RPJ	7005-72-3		
Chrysene	ND	ug/kg	370	10/10/02 19:14	RPJ	218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	370	10/10/02 19:14	RPJ	53-70-3		
Dibenzofuran	ND	ug/kg	370	10/10/02 19:14	RPJ	132-64-9		
1,2-Dichlorobenzene	ND	ug/kg	370	10/10/02 19:14	RPJ	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	370	10/10/02 19:14	RPJ	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	370	10/10/02 19:14	RPJ	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/kg	740	10/10/02 19:14	RPJ	91-94-1		
2,4-Dichlorophenol	ND	ug/kg	370	10/10/02 19:14	RPJ	120-83-2		
Diethylphthalate	ND	ug/kg	370	10/10/02 19:14	RPJ	84-66-2		
2,4-Dimethylphenol	ND	ug/kg	370	10/10/02 19:14	RPJ	105-67-9		
Dimethylphthalate	ND	ug/kg	370	10/10/02 19:14	RPJ	131-11-3		
Di-n-butylphthalate	ND	ug/kg	370	10/10/02 19:14	RPJ	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/kg	370	10/10/02 19:14	RPJ	534-52-1		

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Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 9237364
Client Project ID: Bramlette MGP

Lab Sample No: 922563820 Project Sample Number: 9237364-004 Date Collected: 10/08/02 13:30
Client Sample ID: 93SW Matrix: Soil Date Received: 10/09/02 09:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
2,4-Dinitrophenol	ND	ug/kg	1900	10/10/02 19:14	RPJ	51-28-5		
2,4-Dinitrotoluene	ND	ug/kg	370	10/10/02 19:14	RPJ	121-14-2		
2,6-Dinitrotoluene	ND	ug/kg	370	10/10/02 19:14	RPJ	606-20-2		
Di-n-octylphthalate	ND	ug/kg	370	10/10/02 19:14	RPJ	117-84-0		
1,2-Diphenylhydrazine	ND	ug/kg	370	10/10/02 19:14	RPJ	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	ug/kg	370	10/10/02 19:14	RPJ	117-81-7		
Fluoranthene	ND	ug/kg	370	10/10/02 19:14	RPJ	206-44-0		
Fluorene	ND	ug/kg	370	10/10/02 19:14	RPJ	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/kg	370	10/10/02 19:14	RPJ	87-68-3		
Hexachlorobenzene	ND	ug/kg	370	10/10/02 19:14	RPJ	118-74-1		
Hexachlorocyclopentadiene	ND	ug/kg	370	10/10/02 19:14	RPJ	77-47-4		
Hexachloroethane	ND	ug/kg	370	10/10/02 19:14	RPJ	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	370	10/10/02 19:14	RPJ	193-39-5		
Isophorone	ND	ug/kg	370	10/10/02 19:14	RPJ	78-59-1		
2-Methylnaphthalene	ND	ug/kg	370	10/10/02 19:14	RPJ	91-57-6		
2-Methylphenol (o-Cresol)	ND	ug/kg	370	10/10/02 19:14	RPJ	95-48-7		
3&4-Methylphenol	ND	ug/kg	370	10/10/02 19:14	RPJ			
Naphthalene	ND	ug/kg	370	10/10/02 19:14	RPJ	91-20-3		
2-Nitroaniline	ND	ug/kg	1900	10/10/02 19:14	RPJ	88-74-4		
3-Nitroaniline	ND	ug/kg	1900	10/10/02 19:14	RPJ	99-09-2		
4-Nitroaniline	ND	ug/kg	1900	10/10/02 19:14	RPJ	100-01-6		
Nitrobenzene	ND	ug/kg	370	10/10/02 19:14	RPJ	98-95-3		
2-Nitrophenol	ND	ug/kg	370	10/10/02 19:14	RPJ	88-75-5		
4-Nitrophenol	ND	ug/kg	1900	10/10/02 19:14	RPJ	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/kg	370	10/10/02 19:14	RPJ	621-64-7		
N-Nitrosodiphenylamine	ND	ug/kg	370	10/10/02 19:14	RPJ	86-30-6		
Pentachlorophenol	ND	ug/kg	1900	10/10/02 19:14	RPJ	87-86-5		
Phenanthrene	ND	ug/kg	370	10/10/02 19:14	RPJ	85-01-8		
Phenol	ND	ug/kg	370	10/10/02 19:14	RPJ	108-95-2		
Pyrene	410	ug/kg	370	10/10/02 19:14	RPJ	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/kg	370	10/10/02 19:14	RPJ	120-82-1		
2,4,5-Trichlorophenol	ND	ug/kg	370	10/10/02 19:14	RPJ	95-95-4		
2,4,6-Trichlorophenol	ND	ug/kg	370	10/10/02 19:14	RPJ	88-06-2		
Nitrobenzene-d5 (S)	64	%		10/10/02 19:14	RPJ	4165-60-0		
2-Fluorobiphenyl (S)	57	%		10/10/02 19:14	RPJ	321-60-8		
Terphenyl-d14 (S)	70	%		10/10/02 19:14	RPJ	1718-51-0		
Phenol-d5 (S)	48	%		10/10/02 19:14	RPJ	4165-62-2		
2-Fluorophenol (S)	28	%		10/10/02 19:14	RPJ	367-12-4	1	
2,4,6-Tribromophenol (S)	38	%		10/10/02 19:14	RPJ			

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Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 9237364
Client Project ID: Bramlette MGP

Lab Sample No: 922563820 Project Sample Number: 9237364-004 Date Collected: 10/08/02 13:30
Client Sample ID: 93SW Matrix: Soil Date Received: 10/09/02 09:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Date Extracted	10/09/02			10/09/02				
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
Benzene	ND	ug/kg	5.6	10/10/02 16:41	DLK	71-43-2		
Bromobenzene	ND	ug/kg	5.6	10/10/02 16:41	DLK	108-86-1		
Bromochloromethane	ND	ug/kg	5.6	10/10/02 16:41	DLK	74-97-5		
Bromodichloromethane	ND	ug/kg	5.6	10/10/02 16:41	DLK	75-27-4		
Bromoform	ND	ug/kg	5.6	10/10/02 16:41	DLK	75-25-2		
Bromomethane	ND	ug/kg	11.	10/10/02 16:41	DLK	74-83-9		
n-Butylbenzene	ND	ug/kg	5.6	10/10/02 16:41	DLK	104-51-8		
sec-Butylbenzene	ND	ug/kg	5.6	10/10/02 16:41	DLK	135-98-8		
tert-Butylbenzene	ND	ug/kg	5.6	10/10/02 16:41	DLK	98-06-6		
Carbon tetrachloride	ND	ug/kg	5.6	10/10/02 16:41	DLK	56-23-5		
Chlorobenzene	ND	ug/kg	5.6	10/10/02 16:41	DLK	108-90-7		
Chloroethane	ND	ug/kg	11.	10/10/02 16:41	DLK	75-00-3		
Chloroform	ND	ug/kg	5.6	10/10/02 16:41	DLK	67-66-3		
Chloromethane	ND	ug/kg	11.	10/10/02 16:41	DLK	74-87-3		
2-Chlorotoluene	ND	ug/kg	5.6	10/10/02 16:41	DLK	95-49-8		
4-Chlorotoluene	ND	ug/kg	5.6	10/10/02 16:41	DLK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.6	10/10/02 16:41	DLK	96-12-8		
Dibromochloromethane	ND	ug/kg	5.6	10/10/02 16:41	DLK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	5.6	10/10/02 16:41	DLK	106-93-4		
Dibromomethane	ND	ug/kg	5.6	10/10/02 16:41	DLK	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	5.6	10/10/02 16:41	DLK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	5.6	10/10/02 16:41	DLK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	5.6	10/10/02 16:41	DLK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	11.	10/10/02 16:41	DLK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	5.6	10/10/02 16:41	DLK	75-34-3		
1,2-Dichloroethane	ND	ug/kg	5.6	10/10/02 16:41	DLK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	5.6	10/10/02 16:41	DLK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	5.6	10/10/02 16:41	DLK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	5.6	10/10/02 16:41	DLK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	5.6	10/10/02 16:41	DLK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	5.6	10/10/02 16:41	DLK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	5.6	10/10/02 16:41	DLK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	5.6	10/10/02 16:41	DLK	563-58-6		
Diisopropyl ether	ND	ug/kg	5.6	10/10/02 16:41	DLK	108-20-3		
Ethylbenzene	ND	ug/kg	5.6	10/10/02 16:41	DLK	100-41-4		

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Lab Project Number: 9237364
Client Project ID: Bramlette MGP

Lab Sample No: 922563820 Project Sample Number: 9237364-004 Date Collected: 10/08/02 13:30
Client Sample ID: 93SW Matrix: Soil Date Received: 10/09/02 09:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Hexachloro-1,3-butadiene	ND	ug/kg	5.6	10/10/02 16:41	DLK	87-68-3		
Isopropylbenzene (Cumene)	ND	ug/kg	5.6	10/10/02 16:41	DLK	98-82-8		
p-Isopropyltoluene	ND	ug/kg	5.6	10/10/02 16:41	DLK	99-87-6		
Methylene chloride	12.	ug/kg	5.6	10/10/02 16:41	DLK	75-09-2	2	
Methyl-tert-butyl ether	ND	ug/kg	5.6	10/10/02 16:41	DLK	1634-04-4		
Naphthalene	ND	ug/kg	5.6	10/10/02 16:41	DLK	91-20-3		
n-Propylbenzene	ND	ug/kg	5.6	10/10/02 16:41	DLK	103-65-1		
Styrene	ND	ug/kg	5.6	10/10/02 16:41	DLK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.6	10/10/02 16:41	DLK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.6	10/10/02 16:41	DLK	79-34-5		
Tetrachloroethene	ND	ug/kg	5.6	10/10/02 16:41	DLK	127-18-4		
Toluene	ND	ug/kg	5.6	10/10/02 16:41	DLK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	5.6	10/10/02 16:41	DLK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	5.6	10/10/02 16:41	DLK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	5.6	10/10/02 16:41	DLK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	5.6	10/10/02 16:41	DLK	79-00-5		
Trichloroethene	ND	ug/kg	5.6	10/10/02 16:41	DLK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	5.6	10/10/02 16:41	DLK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	5.6	10/10/02 16:41	DLK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	5.6	10/10/02 16:41	DLK	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	5.6	10/10/02 16:41	DLK	108-67-8		
Vinyl chloride	ND	ug/kg	11.	10/10/02 16:41	DLK	75-01-4		
m&p-Xylene	ND	ug/kg	11.	10/10/02 16:41	DLK			
o-Xylene	ND	ug/kg	5.6	10/10/02 16:41	DLK	95-47-6		
Toluene-d8 (S)	99	%		10/10/02 16:41	DLK	2037-26-5		
4-Bromofluorobenzene (S)	46	%		10/10/02 16:41	DLK	460-00-4	3	
Dibromofluoromethane (S)	166	%		10/10/02	DLK	1868-53-7	4	
1,2-Dichloroethane-d4 (S)	143	%		10/10/02 16:41	DLK	17060-07-0	4	

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Lab Project Number: 9237364
Client Project ID: Bramlette MGP

Lab Sample No: 922563838 Project Sample Number: 9237364-005 Date Collected: 10/08/02 13:39
Client Sample ID: 94SW Matrix: Soil Date Received: 10/09/02 09:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry								
Percent Moisture	Method: % Moisture							
Percent Moisture	14.8	%		10/09/02	CDE			
GC/MS Semivolatiles								
Semivolatile Organics	Prep/Method: EPA 3550 / EPA 8270							
Acenaphthene	ND	ug/kg	390	10/10/02 23:30	RPJ	83-32-9		
Acenaphthylene	ND	ug/kg	390	10/10/02 23:30	RPJ	208-96-8		
Anthracene	ND	ug/kg	390	10/10/02 23:30	RPJ	120-12-7		
Benzo(a)anthracene	ND	ug/kg	390	10/10/02 23:30	RPJ	56-55-3		
Benzo(a)pyrene	ND	ug/kg	390	10/10/02 23:30	RPJ	50-32-8		
Benzo(b)fluoranthene	ND	ug/kg	390	10/10/02 23:30	RPJ	205-99-2		
Benzo(g,h,i)perylene	ND	ug/kg	390	10/10/02 23:30	RPJ	191-24-2		
Benzo(k)fluoranthene	ND	ug/kg	390	10/10/02 23:30	RPJ	207-08-9		
Benzoic acid	ND	ug/kg	1900	10/10/02 23:30	RPJ	65-85-0		
Benzyl alcohol	ND	ug/kg	770	10/10/02 23:30	RPJ	100-51-6		
4-Bromophenylphenyl ether	ND	ug/kg	390	10/10/02 23:30	RPJ	101-55-3		
Butylbenzylphthalate	ND	ug/kg	390	10/10/02 23:30	RPJ	85-68-7		
4-Chloro-3-methylphenol	ND	ug/kg	770	10/10/02 23:30	RPJ	59-50-7		
4-Chloroaniline	ND	ug/kg	770	10/10/02 23:30	RPJ	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/kg	390	10/10/02 23:30	RPJ	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/kg	390	10/10/02 23:30	RPJ	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/kg	390	10/10/02 23:30	RPJ	39638-32-9		
2-Chloronaphthalene	ND	ug/kg	390	10/10/02 23:30	RPJ	91-58-7		
2-Chlorophenol	ND	ug/kg	390	10/10/02 23:30	RPJ	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/kg	390	10/10/02 23:30	RPJ	7005-72-3		
Chrysene	ND	ug/kg	390	10/10/02 23:30	RPJ	218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	390	10/10/02 23:30	RPJ	53-70-3		
Dibenzofuran	ND	ug/kg	390	10/10/02 23:30	RPJ	132-64-9		
1,2-Dichlorobenzene	ND	ug/kg	390	10/10/02 23:30	RPJ	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	390	10/10/02 23:30	RPJ	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	390	10/10/02 23:30	RPJ	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/kg	770	10/10/02 23:30	RPJ	91-94-1		
2,4-Dichlorophenol	ND	ug/kg	390	10/10/02 23:30	RPJ	120-83-2		
Diethylphthalate	ND	ug/kg	390	10/10/02 23:30	RPJ	84-66-2		
2,4-Dimethylphenol	ND	ug/kg	390	10/10/02 23:30	RPJ	105-67-9		
Dimethylphthalate	ND	ug/kg	390	10/10/02 23:30	RPJ	131-11-3		
Di-n-butylphthalate	ND	ug/kg	390	10/10/02 23:30	RPJ	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/kg	390	10/10/02 23:30	RPJ	534-52-1		

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Fax: 704.875.9091

Lab Project Number: 9237364
Client Project ID: Bramlette MGP

Lab Sample No: 922563838
Client Sample ID: 94SW

Project Sample Number: 9237364-005
Matrix: Soil

Date Collected: 10/08/02 13:39
Date Received: 10/09/02 09:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
2,4-Dinitrophenol	ND	ug/kg	1900	10/10/02 23:30	RPJ	51-28-5		
2,4-Dinitrotoluene	ND	ug/kg	390	10/10/02 23:30	RPJ	121-14-2		
2,6-Dinitrotoluene	ND	ug/kg	390	10/10/02 23:30	RPJ	606-20-2		
Di-n-octylphthalate	ND	ug/kg	390	10/10/02 23:30	RPJ	117-84-0		
1,2-Diphenylhydrazine	ND	ug/kg	390	10/10/02 23:30	RPJ	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	ug/kg	390	10/10/02 23:30	RPJ	117-81-7		
Fluoranthene	ND	ug/kg	390	10/10/02 23:30	RPJ	206-44-0		
Fluorene	ND	ug/kg	390	10/10/02 23:30	RPJ	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/kg	390	10/10/02 23:30	RPJ	87-68-3		
Hexachlorobenzene	ND	ug/kg	390	10/10/02 23:30	RPJ	118-74-1		
Hexachlorocyclopentadiene	ND	ug/kg	390	10/10/02 23:30	RPJ	77-47-4		
Hexachloroethane	ND	ug/kg	390	10/10/02 23:30	RPJ	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	390	10/10/02 23:30	RPJ	193-39-5		
Isophorone	ND	ug/kg	390	10/10/02 23:30	RPJ	78-59-1		
2-Methylnaphthalene	ND	ug/kg	390	10/10/02 23:30	RPJ	91-57-6		
2-Methylphenol (o-Cresol)	ND	ug/kg	390	10/10/02 23:30	RPJ	95-48-7		
3&4-Methylphenol	ND	ug/kg	390	10/10/02 23:30	RPJ			
Naphthalene	ND	ug/kg	390	10/10/02 23:30	RPJ	91-20-3		
2-Nitroaniline	ND	ug/kg	1900	10/10/02 23:30	RPJ	88-74-4		
3-Nitroaniline	ND	ug/kg	1900	10/10/02 23:30	RPJ	99-09-2		
4-Nitroaniline	ND	ug/kg	1900	10/10/02 23:30	RPJ	100-01-6		
Nitrobenzene	ND	ug/kg	390	10/10/02 23:30	RPJ	98-95-3		
2-Nitrophenol	ND	ug/kg	390	10/10/02 23:30	RPJ	88-75-5		
4-Nitrophenol	ND	ug/kg	1900	10/10/02 23:30	RPJ	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/kg	390	10/10/02 23:30	RPJ	621-64-7		
N-Nitrosodiphenylamine	ND	ug/kg	390	10/10/02 23:30	RPJ	86-30-6		
Pentachlorophenol	ND	ug/kg	1900	10/10/02 23:30	RPJ	87-86-5		
Phenanthrene	ND	ug/kg	390	10/10/02 23:30	RPJ	85-01-8		
Phenol	ND	ug/kg	390	10/10/02 23:30	RPJ	108-95-2		
Pyrene	ND	ug/kg	390	10/10/02 23:30	RPJ	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/kg	390	10/10/02 23:30	RPJ	120-82-1		
2,4,5-Trichlorophenol	ND	ug/kg	390	10/10/02 23:30	RPJ	95-95-4		
2,4,6-Trichlorophenol	ND	ug/kg	390	10/10/02 23:30	RPJ	88-06-2		
Nitrobenzene-d5 (S)	55	%		10/10/02 23:30	RPJ	4165-60-0		
2-Fluorobiphenyl (S)	52	%		10/10/02 23:30	RPJ	321-60-8		
Terphenyl-d14 (S)	77	%		10/10/02 23:30	RPJ	1718-51-0		
Phenol-d5 (S)	27	%		10/10/02 23:30	RPJ	4165-62-2		
2-Fluorophenol (S)	10	%		10/10/02 23:30	RPJ	367-12-4	1	
2,4,6-Tribromophenol (S)	20	%		10/10/02 23:30	RPJ			

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Lab Project Number: 9237364
Client Project ID: Bramlette MGP

Lab Sample No: 922563838 Project Sample Number: 9237364-005 Date Collected: 10/08/02 13:39
Client Sample ID: 94SW Matrix: Soil Date Received: 10/09/02 09:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Date Extracted	10/09/02			10/09/02				
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
Benzene	150	ug/kg	11.	10/10/02 15:35	DLK	71-43-2	2	
Bromobenzene	ND	ug/kg	11.	10/10/02 15:35	DLK	108-86-1		
Bromochloromethane	ND	ug/kg	11.	10/10/02 15:35	DLK	74-97-5		
Bromodichloromethane	ND	ug/kg	11.	10/10/02 15:35	DLK	75-27-4		
Bromoform	ND	ug/kg	11.	10/10/02 15:35	DLK	75-25-2		
Bromomethane	ND	ug/kg	23.	10/10/02 15:35	DLK	74-83-9		
n-Butylbenzene	ND	ug/kg	11.	10/10/02 15:35	DLK	104-51-8		
sec-Butylbenzene	ND	ug/kg	11.	10/10/02 15:35	DLK	135-98-8		
tert-Butylbenzene	ND	ug/kg	11.	10/10/02 15:35	DLK	98-06-6		
Carbon tetrachloride	ND	ug/kg	11.	10/10/02 15:35	DLK	56-23-5		
Chlorobenzene	ND	ug/kg	11.	10/10/02 15:35	DLK	108-90-7		
Chloroethane	ND	ug/kg	23.	10/10/02 15:35	DLK	75-00-3		
Chloroform	ND	ug/kg	11.	10/10/02 15:35	DLK	67-66-3		
Chloromethane	ND	ug/kg	23.	10/10/02 15:35	DLK	74-87-3		
2-Chlorotoluene	ND	ug/kg	11.	10/10/02 15:35	DLK	95-49-8		
4-Chlorotoluene	ND	ug/kg	11.	10/10/02 15:35	DLK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	11.	10/10/02 15:35	DLK	96-12-8		
Dibromochloromethane	ND	ug/kg	11.	10/10/02 15:35	DLK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	11.	10/10/02 15:35	DLK	106-93-4		
Dibromomethane	ND	ug/kg	11.	10/10/02 15:35	DLK	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	11.	10/10/02 15:35	DLK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	11.	10/10/02 15:35	DLK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	11.	10/10/02 15:35	DLK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	23.	10/10/02 15:35	DLK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	11.	10/10/02 15:35	DLK	75-34-3		
1,2-Dichloroethane	ND	ug/kg	11.	10/10/02 15:35	DLK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	11.	10/10/02 15:35	DLK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	11.	10/10/02 15:35	DLK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	11.	10/10/02 15:35	DLK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	11.	10/10/02 15:35	DLK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	11.	10/10/02 15:35	DLK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	11.	10/10/02 15:35	DLK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	11.	10/10/02 15:35	DLK	563-58-6		
Diisopropyl ether	ND	ug/kg	11.	10/10/02 15:35	DLK	108-20-3		
Ethylbenzene	ND	ug/kg	11.	10/10/02 15:35	DLK	100-41-4		

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Lab Project Number: 9237364
Client Project ID: Bramlette MGP

Lab Sample No: 922563838 Project Sample Number: 9237364-005 Date Collected: 10/08/02 13:39
Client Sample ID: 94SW Matrix: Soil Date Received: 10/09/02 09:40

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Hexachloro-1,3-butadiene	ND	ug/kg	11.	10/10/02 15:35	DLK	87-68-3		
Isopropylbenzene (Cumene)	ND	ug/kg	11.	10/10/02 15:35	DLK	98-82-8		
p-Isopropyltoluene	ND	ug/kg	11.	10/10/02 15:35	DLK	99-87-6		
Methylene chloride	21.	ug/kg	11.	10/10/02 15:35	DLK	75-09-2	2	
Methyl-tert-butyl ether	ND	ug/kg	11.	10/10/02 15:35	DLK	1634-04-4		
Naphthalene	ND	ug/kg	11.	10/10/02 15:35	DLK	91-20-3		
n-Propylbenzene	ND	ug/kg	11.	10/10/02 15:35	DLK	103-65-1		
Styrene	ND	ug/kg	11.	10/10/02 15:35	DLK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	11.	10/10/02 15:35	DLK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	11.	10/10/02 15:35	DLK	79-34-5		
Tetrachloroethene	ND	ug/kg	11.	10/10/02 15:35	DLK	127-18-4		
Toluene	45.	ug/kg	11.	10/10/02 15:35	DLK	108-88-3	2	
1,2,3-Trichlorobenzene	ND	ug/kg	11.	10/10/02 15:35	DLK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	11.	10/10/02 15:35	DLK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	11.	10/10/02 15:35	DLK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	11.	10/10/02 15:35	DLK	79-00-5		
Trichloroethene	ND	ug/kg	11.	10/10/02 15:35	DLK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	11.	10/10/02 15:35	DLK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	11.	10/10/02 15:35	DLK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	11.	10/10/02 15:35	DLK	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	11.	10/10/02 15:35	DLK	108-67-8		
Vinyl chloride	ND	ug/kg	23.	10/10/02 15:35	DLK	75-01-4		
m&p-Xylene	72.	ug/kg	23.	10/10/02 15:35	DLK		2	
o-Xylene	13.	ug/kg	11.	10/10/02 15:35	DLK	95-47-6	2	
Toluene-d8 (S)	93	%		10/10/02 15:35	DLK	2037-26-5		
4-Bromofluorobenzene (S)	44	%		10/10/02 15:35	DLK	460-00-4	3	
Dibromofluoromethane (S)	147	%		10/10/02 15:35	DLK	1868-53-7	4	
1,2-Dichloroethane-d4 (S)	135	%		10/10/02 15:35	DLK	17060-07-0		

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Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 9237364
Client Project ID: Bramlette MGP

PARAMETER FOOTNOTES

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
(S)	Surrogate
[1]	Acid surrogate recovery outside of control limits. The data was accepted based on valid recovery of the two remaining acid surrogates.
[2]	The reported result may be biased high due to matrix interference with the internal standard. This was confirmed by reanalysis of the sample.
[3]	Low surrogate recovery was confirmed as a matrix effect by a second analysis.
[4]	High surrogate recovery was confirmed as a matrix effect by a second analysis.

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QUALITY CONTROL DATA

Lab Project Number: 9237364
Client Project ID: Bramlette MGP

QC Batch: 64355 — Analysis Method: EPA 8270
QC Batch Method: EPA 3550 — Analysis Description: Semivolatile Organics
Associated Lab Samples: 922563796 922563804 922563812 922563820 922563838

METHOD BLANK: 922564125
Associated Lab Samples: 922563796 922563804 922563812 922563820 922563838

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Acenaphthene	ug/kg	ND	330	
Acenaphthylene	ug/kg	ND	330	
Anthracene	ug/kg	ND	330	
Benzo(a)anthracene	ug/kg	ND	330	
Benzo(a)pyrene	ug/kg	ND	330	
Benzo(b)fluoranthene	ug/kg	ND	330	
Benzo(g,h,i)perylene	ug/kg	ND	330	
Benzo(k)fluoranthene	ug/kg	ND	330	
Benzoic acid	ug/kg	ND	1600	
Benzyl alcohol	ug/kg	ND	660	
4-Bromophenylphenyl ether	ug/kg	ND	330	
Butylbenzylphthalate	ug/kg	ND	330	
4-Chloro-3-methylphenol	ug/kg	ND	660	
4-Chloroaniline	ug/kg	ND	660	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	
bis(2-Chloroethyl) ether	ug/kg	ND	330	
bis(2-Chloroisopropyl) ether	ug/kg	ND	330	
2-Chloronaphthalene	ug/kg	ND	330	
2-Chlorophenol	ug/kg	ND	330	
4-Chlorophenylphenyl ether	ug/kg	ND	330	
Chrysene	ug/kg	ND	330	
Dibenz(a,h)anthracene	ug/kg	ND	330	
Dibenzofuran	ug/kg	ND	330	
1,2-Dichlorobenzene	ug/kg	ND	330	
1,3-Dichlorobenzene	ug/kg	ND	330	
1,4-Dichlorobenzene	ug/kg	ND	330	
3,3'-Dichlorobenzidine	ug/kg	ND	660	
2,4-Dichlorophenol	ug/kg	ND	330	
Diethylphthalate	ug/kg	ND	330	
2,4-Dimethylphenol	ug/kg	ND	330	
Dimethylphthalate	ug/kg	ND	330	

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QUALITY CONTROL DATA

Lab Project Number: 9237364
Client Project ID: Bramlette MGP

METHOD BLANK: 922564125
Associated Lab Samples: 922563796 922563804 922563812 922563820 922563838

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Di-n-butylphthalate	ug/kg	ND	330	
4,6-Dinitro-2-methylphenol	ug/kg	ND	330	
2,4-Dinitrophenol	ug/kg	ND	1600	
2,4-Dinitrotoluene	ug/kg	ND	330	
2,6-Dinitrotoluene	ug/kg	ND	330	
Di-n-octylphthalate	ug/kg	ND	330	
1,2-Diphenylhydrazine	ug/kg	ND	330	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	
Fluoranthene	ug/kg	ND	330	
Fluorene	ug/kg	ND	330	
Hexachloro-1,3-butadiene	ug/kg	ND	330	
Hexachlorobenzene	ug/kg	ND	330	
Hexachlorocyclopentadiene	ug/kg	ND	330	
Hexachloroethane	ug/kg	ND	330	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	
Isophorone	ug/kg	ND	330	
2-Methylnaphthalene	ug/kg	ND	330	
2-Methylphenol (o-Cresol)	ug/kg	ND	330	
3&4-Methylphenol	ug/kg	ND	330	
Naphthalene	ug/kg	ND	330	
2-Nitroaniline	ug/kg	ND	1600	
3-Nitroaniline	ug/kg	ND	1600	
4-Nitroaniline	ug/kg	ND	1600	
Nitrobenzene	ug/kg	ND	330	
2-Nitrophenol	ug/kg	ND	330	
4-Nitrophenol	ug/kg	ND	1600	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	
N-Nitrosodiphenylamine	ug/kg	ND	330	
Pentachlorophenol	ug/kg	ND	1600	
Phenanthrene	ug/kg	ND	330	
Phenol	ug/kg	ND	330	
Pyrene	ug/kg	ND	330	
1,2,4-Trichlorobenzene	ug/kg	ND	330	
2,4,5-Trichlorophenol	ug/kg	ND	330	
2,4,6-Trichlorophenol	ug/kg	ND	330	
Nitrobenzene-d5 (S)	%	62		

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QUALITY CONTROL DATA

Lab Project Number: 9237364
Client Project ID: Bramlette MGP

METHOD BLANK: 922564125
Associated Lab Samples: 922563796 922563804 922563812 922563820 922563838

Parameter	Units	Blank Result	Reporting Limit	Footnotes
2-Fluorobiphenyl (S)	%	65		
Terphenyl-d14 (S)	%	85		
Phenol-d5 (S)	%	63		
2-Fluorophenol (S)	%	60		
2,4,6-Tribromophenol (S)	%	75		

LABORATORY CONTROL SAMPLE: 922564133

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Acenaphthene	ug/kg	1667.00	1293	78	
Acenaphthylene	ug/kg	1667.00	1417	85	
Anthracene	ug/kg	1667.00	1436	86	
Benzo(a)anthracene	ug/kg	1667.00	1402	84	
Benzo(a)pyrene	ug/kg	1667.00	1519	91	
Benzo(b)fluoranthene	ug/kg	1667.00	1376	82	
Benzo(g,h,i)perylene	ug/kg	1667.00	1196	72	
Benzo(k)fluoranthene	ug/kg	1667.00	1542	92	
Benzoic acid	ug/kg	1667.00	51.26	3	
Benzyl alcohol	ug/kg	1667.00	1405	84	
4-Bromophenylphenyl ether	ug/kg	1667.00	1479	89	
Butylbenzylphthalate	ug/kg	1667.00	1335	80	
4-Chloro-3-methylphenol	ug/kg	1667.00	1237	74	
4-Chloroaniline	ug/kg	1667.00	1575	94	
bis(2-Chloroethoxy)methane	ug/kg	1667.00	1290	77	
bis(2-Chloroethyl) ether	ug/kg	1667.00	1203	72	
bis(2-Chloroisopropyl) ether	ug/kg	1667.00	1325	80	
2-Chloronaphthalene	ug/kg	1667.00	1298	78	
2-Chlorophenol	ug/kg	1667.00	1187	71	
4-Chlorophenylphenyl ether	ug/kg	1667.00	1282	77	
Chrysene	ug/kg	1667.00	1345	81	
Dibenz(a,h)anthracene	ug/kg	1667.00	1281	77	
Dibenzofuran	ug/kg	1667.00	1296	78	
1,2-Dichlorobenzene	ug/kg	1667.00	1153	69	
1,3-Dichlorobenzene	ug/kg	1667.00	1141	68	

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QUALITY CONTROL DATA

Lab Project Number: 9237364
Client Project ID: Bramlette MGP

LABORATORY CONTROL SAMPLE: 922564133

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
1,4-Dichlorobenzene	ug/kg	1667.00	1126	68	
3,3'-Dichlorobenzidine	ug/kg	3333.00	3945	118	
2,4-Dichlorophenol	ug/kg	1667.00	1129	68	
Diethylphthalate	ug/kg	1667.00	1404	84	
2,4-Dimethylphenol	ug/kg	1667.00	1162	70	
Dimethylphthalate	ug/kg	1667.00	1338	80	
Di-n-butylphthalate	ug/kg	1667.00	1456	87	
4,6-Dinitro-2-methylphenol	ug/kg	1667.00	1246	75	
2,4-Dinitrophenol	ug/kg	1667.00	869.7	52	
2,4-Dinitrotoluene	ug/kg	1667.00	1426	86	
2,6-Dinitrotoluene	ug/kg	1667.00	1371	82	
Di-n-octylphthalate	ug/kg	1667.00	1406	84	
1,2-Diphenylhydrazine	ug/kg	1667.00	1535	92	
bis(2-Ethylhexyl)phthalate	ug/kg	1667.00	1343	81	
Fluoranthene	ug/kg	1667.00	1440	86	
Fluorene	ug/kg	1667.00	1312	79	
Hexachloro-1,3-butadiene	ug/kg	1667.00	1103	66	
Hexachlorobenzene	ug/kg	1667.00	1560	94	
Hexachlorocyclopentadiene	ug/kg	1667.00	1053	63	
Hexachloroethane	ug/kg	1667.00	1192	72	
Indeno(1,2,3-cd)pyrene	ug/kg	1667.00	1277	77	
Isophorone	ug/kg	1667.00	1432	86	
2-Methylnaphthalene	ug/kg	1667.00	1238	74	
2-Methylphenol (o-Cresol)	ug/kg	1667.00	1269	76	
3&4-Methylphenol	ug/kg	1667.00	1263	76	
Naphthalene	ug/kg	1667.00	1244	75	
2-Nitroaniline	ug/kg	1667.00	1528	92	
3-Nitroaniline	ug/kg	1667.00	1960	118	
4-Nitroaniline	ug/kg	1667.00	2445	147	
Nitrobenzene	ug/kg	1667.00	1211	73	
2-Nitrophenol	ug/kg	1667.00	1101	66	
4-Nitrophenol	ug/kg	1667.00	1326	80	
N-Nitroso-di-n-propylamine	ug/kg	1667.00	1324	80	
N-Nitrosodiphenylamine	ug/kg	1667.00	2165	130	
Pentachlorophenol	ug/kg	1667.00	1391	84	
Phenanthrene	ug/kg	1667.00	1401	84	
Phenol	ug/kg	1667.00	1163	70	

Laboratory Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006

Laboratory Certification IDs
LA Wastewater 04034
VA Drinking Water 213
FL NELAP E87627

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QUALITY CONTROL DATA

Lab Project Number: 9237364
Client Project ID: Bramlette MGP

LABORATORY CONTROL SAMPLE: 922564133

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Pyrene	ug/kg	1667.00	1273	76	
1,2,4-Trichlorobenzene	ug/kg	1667.00	1086	65	
2,4,5-Trichlorophenol	ug/kg	1667.00	1216	73	
2,4,6-Trichlorophenol	ug/kg	1667.00	1193	72	
Nitrobenzene-d5 (S)				77	
2-Fluorobiphenyl (S)				80	
Terphenyl-d14 (S)				95	
Phenol-d5 (S)				77	
2-Fluorophenol (S)				71	
2,4,6-Tribromophenol (S)				105	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 922564158 922564166

Parameter	Units	922563820 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Acenaphthene	ug/kg	0	1879.00	1307	1273	70	68	3	
4-Chloro-3-methylphenol	ug/kg	0	1879.00	1254	1266	67	67	1	
2-Chlorophenol	ug/kg	0	1879.00	956.2	918.0	51	49	4	
1,4-Dichlorobenzene	ug/kg	0	1879.00	1115	1024	59	54	9	
2,4-Dinitrotoluene	ug/kg	0	1879.00	1472	1431	78	76	3	
4-Nitrophenol	ug/kg	0	1879.00	1277	1294	68	69	1	
N-Nitroso-di-n-propylamine	ug/kg	0	1879.00	1276	1269	68	68	1	
Pentachlorophenol	ug/kg	0	1879.00	1293	1260	69	67	3	
Phenol	ug/kg	0	1879.00	1021	1023	54	54	0	
Pyrene	ug/kg	410.4	1879.00	1930	1427	81	54	30	1
1,2,4-Trichlorobenzene	ug/kg	0	1879.00	1056	1030	56	55	2	
Nitrobenzene-d5 (S)						65	62		
2-Fluorobiphenyl (S)						68	67		
Terphenyl-d14 (S)						86	86		
Phenol-d5 (S)						57	55		
2-Fluorophenol (S)						42	36		
2,4,6-Tribromophenol (S)						53	51		

Laboratory Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006

REPORT OF LABORATORY ANALYSIS

Laboratory Certification IDs
LA Wastewater 04034
VA Drinking Water 213
FL NELAP E87627

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QUALITY CONTROL DATA

Lab Project Number: 9237364
Client Project ID: Bramlette MGP

SAMPLE DUPLICATE: 922564141

Parameter	Units	922563804 Result	DUP Result	RPD	Footnotes
Acenaphthene	ug/kg	ND	ND	NC	
Acenaphthylene	ug/kg	ND	ND	NC	
Anthracene	ug/kg	ND	ND	NC	
Benzo(a)anthracene	ug/kg	ND	ND	NC	
Benzo(a)pyrene	ug/kg	ND	ND	NC	
Benzo(b)fluoranthene	ug/kg	ND	ND	NC	
Benzo(g,h,i)perylene	ug/kg	ND	ND	NC	
Benzo(k)fluoranthene	ug/kg	ND	ND	NC	
Benzoic acid	ug/kg	ND	ND	NC	
Benzyl alcohol	ug/kg	ND	ND	NC	
4-Bromophenylphenyl ether	ug/kg	ND	ND	NC	
Butylbenzylphthalate	ug/kg	ND	ND	NC	
4-Chloro-3-methylphenol	ug/kg	ND	ND	NC	
4-Chloroaniline	ug/kg	ND	ND	NC	
bis(2-Chloroethoxy)methane	ug/kg	ND	ND	NC	
bis(2-Chloroethyl) ether	ug/kg	ND	ND	NC	
bis(2-Chloroisopropyl) ether	ug/kg	ND	ND	NC	
2-Chloronaphthalene	ug/kg	ND	ND	NC	
2-Chlorophenol	ug/kg	ND	ND	NC	
4-Chlorophenylphenyl ether	ug/kg	ND	ND	NC	
Chrysene	ug/kg	ND	ND	NC	
Dibenz(a,h)anthracene	ug/kg	ND	ND	NC	
Dibenzofuran	ug/kg	ND	ND	NC	
1,2-Dichlorobenzene	ug/kg	ND	ND	NC	
1,3-Dichlorobenzene	ug/kg	ND	ND	NC	
1,4-Dichlorobenzene	ug/kg	ND	ND	NC	
3,3'-Dichlorobenzidine	ug/kg	ND	ND	NC	
2,4-Dichlorophenol	ug/kg	ND	ND	NC	
Diethylphthalate	ug/kg	ND	ND	NC	
2,4-Dimethylphenol	ug/kg	ND	ND	NC	
Dimethylphthalate	ug/kg	ND	ND	NC	
Di-n-butylphthalate	ug/kg	ND	ND	NC	
4,6-Dinitro-2-methylphenol	ug/kg	ND	ND	NC	
2,4-Dinitrophenol	ug/kg	ND	ND	NC	
2,4-Dinitrotoluene	ug/kg	ND	ND	NC	
2,6-Dinitrotoluene	ug/kg	ND	ND	NC	
Di-n-octylphthalate	ug/kg	ND	ND	NC	

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QUALITY CONTROL DATA

Lab Project Number: 9237364
Client Project ID: Bramlette MGP

SAMPLE DUPLICATE: 922564141

Parameter	Units	922563804 Result	DUP Result	RPD	Footnotes
1,2-Diphenylhydrazine	ug/kg	ND	ND	NC	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	ND	NC	
Fluoranthene	ug/kg	ND	ND	NC	
Fluorene	ug/kg	ND	ND	NC	
Hexachloro-1,3-butadiene	ug/kg	ND	ND	NC	
Hexachlorobenzene	ug/kg	ND	ND	NC	
Hexachlorocyclopentadiene	ug/kg	ND	ND	NC	
Hexachloroethane	ug/kg	ND	ND	NC	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	ND	NC	
Isophorone	ug/kg	ND	ND	NC	
2-Methylnaphthalene	ug/kg	ND	ND	NC	
2-Methylphenol (o-Cresol)	ug/kg	ND	ND	NC	
3&4-Methylphenol	ug/kg	ND	ND	NC	
Naphthalene	ug/kg	ND	ND	NC	
2-Nitroaniline	ug/kg	ND	ND	NC	
3-Nitroaniline	ug/kg	ND	ND	NC	
4-Nitroaniline	ug/kg	ND	ND	NC	
Nitrobenzene	ug/kg	ND	ND	NC	
2-Nitrophenol	ug/kg	ND	ND	NC	
4-Nitrophenol	ug/kg	ND	ND	NC	
N-Nitroso-di-n-propylamine	ug/kg	ND	ND	NC	
N-Nitrosodiphenylamine	ug/kg	ND	ND	NC	
Pentachlorophenol	ug/kg	ND	ND	NC	
Phenanthrene	ug/kg	ND	ND	NC	
Phenol	ug/kg	ND	ND	NC	
Pyrene	ug/kg	ND	ND	NC	
1,2,4-Trichlorobenzene	ug/kg	ND	ND	NC	
2,4,5-Trichlorophenol	ug/kg	ND	ND	NC	
2,4,6-Trichlorophenol	ug/kg	ND	ND	NC	
Nitrobenzene-d5 (S)	%	66	59		
2-Fluorobiphenyl (S)	%	66	57		
Terphenyl-d14 (S)	%	101	89		
Phenol-d5 (S)	%	67	53		
2-Fluorophenol (S)	%	54	36		
2,4,6-Tribromophenol (S)	%	79	56		

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QUALITY CONTROL DATA

Lab Project Number: 9237364
Client Project ID: Bramlette MGP

QC Batch: 64348 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: GC/MS VOCs by 8260, low level
Associated Lab Samples: 922563796 922563804 922563812 922563820 922563838

METHOD BLANK: 922563846
Associated Lab Samples: 922563796 922563804 922563812 922563820 922563838

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Benzene	ug/kg	ND	5.0	
Bromobenzene	ug/kg	ND	5.0	
Bromochloromethane	ug/kg	ND	5.0	
Bromodichloromethane	ug/kg	ND	5.0	
Bromoform	ug/kg	ND	5.0	
Bromomethane	ug/kg	ND	10.	
n-Butylbenzene	ug/kg	ND	5.0	
sec-Butylbenzene	ug/kg	ND	5.0	
tert-Butylbenzene	ug/kg	ND	5.0	
Carbon tetrachloride	ug/kg	ND	5.0	
Chlorobenzene	ug/kg	ND	5.0	
Chloroethane	ug/kg	ND	10.	
Chloroform	ug/kg	ND	5.0	
Chloromethane	ug/kg	ND	10.	
2-Chlorotoluene	ug/kg	ND	5.0	
4-Chlorotoluene	ug/kg	ND	5.0	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	
Dibromochloromethane	ug/kg	ND	5.0	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	
Dibromomethane	ug/kg	ND	5.0	
1,2-Dichlorobenzene	ug/kg	ND	5.0	
1,3-Dichlorobenzene	ug/kg	ND	5.0	
1,4-Dichlorobenzene	ug/kg	ND	5.0	
Dichlorodifluoromethane	ug/kg	ND	10.	
1,1-Dichloroethane	ug/kg	ND	5.0	
1,2-Dichloroethane	ug/kg	ND	5.0	
1,1-Dichloroethene	ug/kg	ND	5.0	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	
1,2-Dichloropropane	ug/kg	ND	5.0	
1,3-Dichloropropane	ug/kg	ND	5.0	

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QUALITY CONTROL DATA

Lab Project Number: 9237364
Client Project ID: Bramlette MGP

METHOD BLANK: 922563846
Associated Lab Samples: 922563796 922563804 922563812 922563820 922563838

Parameter	Units	Blank Result	Reporting Limit	Footnotes
2,2-Dichloropropane	ug/kg	ND	5.0	
1,1-Dichloropropene	ug/kg	ND	5.0	
Diisopropyl ether	ug/kg	ND	5.0	
Ethylbenzene	ug/kg	ND	5.0	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	
p-Isopropyltoluene	ug/kg	ND	5.0	
Methylene chloride	ug/kg	ND	5.0	
Methyl-tert-butyl ether	ug/kg	ND	5.0	
Naphthalene	ug/kg	ND	5.0	
n-Propylbenzene	ug/kg	ND	5.0	
Styrene	ug/kg	ND	5.0	
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	
Tetrachloroethene	ug/kg	ND	5.0	
Toluene	ug/kg	ND	5.0	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	
1,1,1-Trichloroethane	ug/kg	ND	5.0	
1,1,2-Trichloroethane	ug/kg	ND	5.0	
Trichloroethene	ug/kg	ND	5.0	
Trichlorofluoromethane	ug/kg	ND	5.0	
1,2,3-Trichloropropane	ug/kg	ND	5.0	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	
Vinyl chloride	ug/kg	ND	10.	
m&p-Xylene	ug/kg	ND	10.	
o-Xylene	ug/kg	ND	5.0	
Toluene-d8 (S)	%	97		
4-Bromofluorobenzene (S)	%	96		
Dibromofluoromethane (S)	%	98		
1,2-Dichloroethane-d4 (S)	%	102		

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QUALITY CONTROL DATA

Lab Project Number: 9237364
Client Project ID: Bramlette MGP

LABORATORY CONTROL SAMPLE & LCSD: 922563853 922563861

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	RPD	Footnotes
Benzene	ug/kg	50.00	51.03	51.18	102	102	0	
Bromobenzene	ug/kg	50.00	54.60	54.97	109	110	1	
Bromochloromethane	ug/kg	50.00	55.59	54.92	111	110	1	
Bromodichloromethane	ug/kg	50.00	52.80	53.72	106	107	2	
Bromoform	ug/kg	50.00	56.29	56.46	113	113	0	
Bromomethane	ug/kg	50.00	36.23	36.18	72	72	0	
n-Butylbenzene	ug/kg	50.00	50.63	52.30	101	105	3	
sec-Butylbenzene	ug/kg	50.00	52.96	54.16	106	108	2	
tert-Butylbenzene	ug/kg	50.00	54.63	56.00	109	112	2	
Carbon tetrachloride	ug/kg	50.00	51.08	51.58	102	103	1	
Chlorobenzene	ug/kg	50.00	52.78	52.13	106	104	1	
Chloroethane	ug/kg	50.00	42.74	48.34	86	97	12	
Chloroform	ug/kg	50.00	53.06	54.73	106	109	3	
Chloromethane	ug/kg	50.00	53.02	51.96	106	104	2	
2-Chlorotoluene	ug/kg	50.00	52.69	52.95	105	106	0	
4-Chlorotoluene	ug/kg	50.00	53.43	54.45	107	109	2	
1,2-Dibromo-3-chloropropane	ug/kg	50.00	61.18	60.11	122	120	2	
Dibromochloromethane	ug/kg	50.00	55.47	56.91	111	114	3	
1,2-Dibromoethane (EDB)	ug/kg	50.00	59.26	57.91	119	116	2	
Dibromomethane	ug/kg	50.00	50.99	54.75	102	109	7	
1,2-Dichlorobenzene	ug/kg	50.00	55.34	54.74	111	109	1	
1,3-Dichlorobenzene	ug/kg	50.00	53.22	53.89	106	108	1	
1,4-Dichlorobenzene	ug/kg	50.00	53.35	53.74	107	107	1	
Dichlorodifluoromethane	ug/kg	50.00	49.05	51.14	98	102	4	
1,1-Dichloroethane	ug/kg	50.00	52.77	54.41	106	109	3	
1,2-Dichloroethane	ug/kg	50.00	55.58	56.69	111	113	2	
1,1-Dichloroethene	ug/kg	50.00	54.01	54.41	108	109	1	
cis-1,2-Dichloroethene	ug/kg	50.00	54.17	56.12	108	112	4	
trans-1,2-Dichloroethene	ug/kg	50.00	53.20	55.05	106	110	3	
1,2-Dichloropropane	ug/kg	50.00	54.69	57.28	109	115	5	
1,3-Dichloropropane	ug/kg	50.00	54.34	56.76	109	114	4	
2,2-Dichloropropane	ug/kg	50.00	54.93	55.57	110	111	1	
1,1-Dichloropropene	ug/kg	50.00	52.83	55.94	106	112	6	
Diisopropyl ether	ug/kg	50.00	51.97	53.06	104	106	2	
Ethylbenzene	ug/kg	50.00	52.02	53.09	104	106	2	
Hexachloro-1,3-butadiene	ug/kg	50.00	56.29	57.81	113	116	3	
Isopropylbenzene (Cumene)	ug/kg	50.00	52.02	52.84	104	106	2	

Laboratory Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006

REPORT OF LABORATORY ANALYSIS

Laboratory Certification IDs
LA Wastewater 04034
VA Drinking Water 213
FL NELAP E87627

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9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Lab Project Number: 9237364
Client Project ID: Bramlette MGP

LABORATORY CONTROL SAMPLE & LCSD: 922563853 922563861

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	RPD	Footnotes
p-Isopropyltoluene	ug/kg	50.00	52.85	54.05	106	108	2	
Methylene chloride	ug/kg	50.00	51.52	52.12	103	104	1	
Methyl-tert-butyl ether	ug/kg	50.00	54.12	57.59	108	115	6	
Naphthalene	ug/kg	50.00	58.56	57.49	117	115	2	
n-Propylbenzene	ug/kg	50.00	52.77	54.82	106	110	4	
Styrene	ug/kg	50.00	56.10	56.30	112	113	0	
1,1,1,2-Tetrachloroethane	ug/kg	50.00	58.59	58.54	117	117	0	
1,1,2,2-Tetrachloroethane	ug/kg	50.00	58.58	59.51	117	119	2	
Tetrachloroethene	ug/kg	50.00	50.49	51.57	101	103	2	
Toluene	ug/kg	50.00	52.03	50.45	104	101	3	
1,2,3-Trichlorobenzene	ug/kg	50.00	55.06	50.69	110	101	8	
1,2,4-Trichlorobenzene	ug/kg	50.00	52.01	50.05	104	100	4	
1,1,1-Trichloroethane	ug/kg	50.00	53.42	54.48	107	109	2	
1,1,2-Trichloroethane	ug/kg	50.00	55.11	56.42	110	113	2	
Trichloroethene	ug/kg	50.00	53.33	55.22	107	110	3	
Trichlorofluoromethane	ug/kg	50.00	44.38	46.98	89	94	6	
1,2,3-Trichloropropane	ug/kg	50.00	59.19	58.53	118	117	1	
1,2,4-Trimethylbenzene	ug/kg	50.00	52.61	53.63	105	107	2	
1,3,5-Trimethylbenzene	ug/kg	50.00	52.10	53.90	104	108	3	
Vinyl chloride	ug/kg	50.00	46.35	45.25	93	90	2	
m&p-Xylene	ug/kg	100.00	107.4	109.8	107	110	2	
o-Xylene	ug/kg	50.00	54.78	55.41	110	111	1	
Toluene-d8 (S)					98	98		
4-Bromofluorobenzene (S)					103	102		
Dibromofluoromethane (S)					103	104		
1,2-Dichloroethane-d4 (S)					100	102		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 922566567 922566575

Parameter	Units	922563796 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Benzene	ug/kg	0	57.25	81.24	73.62	142	129	10	
Chlorobenzene	ug/kg	0	57.25	54.48	54.68	95	96	0	
1,1-Dichloroethene	ug/kg	0	57.25	95.67	77.60	167	136	21	2,3
Toluene	ug/kg	1.503	57.25	61.81	45.68	105	77	30	1
Trichloroethene	ug/kg	0	57.25	56.83	51.08	99	89	11	

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QUALITY CONTROL DATA

Lab Project Number: 9237364
Client Project ID: Bramlette MGP

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 922566567 922566575

Parameter	Units	922563796 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Toluene-d8 (S)						87	84		
4-Bromofluorobenzene (S)						47	52		4,4
Dibromofluoromethane (S)						163	174		5,5
1,2-Dichloroethane-d4 (S)						141	154		5

SAMPLE DUPLICATE: 922566963

Parameter	Units	922563804 Result	DUP Result	RPD	Footnotes
Benzene	ug/kg	ND	ND	NC	
Bromobenzene	ug/kg	ND	ND	NC	
Bromochloromethane	ug/kg	ND	ND	NC	
Bromodichloromethane	ug/kg	ND	ND	NC	
Bromoform	ug/kg	ND	ND	NC	
Bromomethane	ug/kg	ND	ND	NC	
n-Butylbenzene	ug/kg	ND	ND	NC	
sec-Butylbenzene	ug/kg	ND	ND	NC	
tert-Butylbenzene	ug/kg	ND	ND	NC	
Carbon tetrachloride	ug/kg	ND	ND	NC	
Chlorobenzene	ug/kg	ND	ND	NC	
Chloroethane	ug/kg	ND	ND	NC	
Chloroform	ug/kg	ND	ND	NC	
Chloromethane	ug/kg	ND	ND	NC	
2-Chlorotoluene	ug/kg	ND	ND	NC	
4-Chlorotoluene	ug/kg	ND	ND	NC	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND	NC	
Dibromochloromethane	ug/kg	ND	ND	NC	
1,2-Dibromoethane (EDB)	ug/kg	ND	ND	NC	
Dibromomethane	ug/kg	ND	ND	NC	
1,2-Dichlorobenzene	ug/kg	ND	ND	NC	
1,3-Dichlorobenzene	ug/kg	ND	ND	NC	
1,4-Dichlorobenzene	ug/kg	ND	ND	NC	
Dichlorodifluoromethane	ug/kg	ND	ND	NC	
1,1-Dichloroethane	ug/kg	ND	ND	NC	
1,2-Dichloroethane	ug/kg	ND	ND	NC	
1,1-Dichloroethene	ug/kg	ND	ND	NC	

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QUALITY CONTROL DATA

Lab Project Number: 9237364
Client Project ID: Bramlette MGP

SAMPLE DUPLICATE: 922566963

Parameter	Units	922563804 Result	DUP Result	RPD	Footnotes
cis-1,2-Dichloroethene	ug/kg	ND	ND	NC	
trans-1,2-Dichloroethene	ug/kg	ND	ND	NC	
1,2-Dichloropropane	ug/kg	ND	ND	NC	
1,3-Dichloropropane	ug/kg	ND	ND	NC	
2,2-Dichloropropane	ug/kg	ND	ND	NC	
1,1-Dichloropropene	ug/kg	ND	ND	NC	
Diisopropyl ether	ug/kg	ND	ND	NC	
Ethylbenzene	ug/kg	ND	ND	NC	
Hexachloro-1,3-butadiene	ug/kg	ND	ND	NC	
Isopropylbenzene (Cumene)	ug/kg	ND	ND	NC	
p-Isopropyltoluene	ug/kg	ND	ND	NC	
Methylene chloride	ug/kg	12.00	13.00	11	
Methyl-tert-butyl ether	ug/kg	ND	ND	NC	
Naphthalene	ug/kg	ND	ND	NC	
n-Propylbenzene	ug/kg	ND	ND	NC	
Styrene	ug/kg	ND	ND	NC	
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND	NC	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND	NC	
Tetrachloroethene	ug/kg	ND	ND	NC	
Toluene	ug/kg	ND	ND	NC	
1,2,3-Trichlorobenzene	ug/kg	ND	ND	NC	
1,2,4-Trichlorobenzene	ug/kg	ND	ND	NC	
1,1,1-Trichloroethane	ug/kg	ND	ND	NC	
1,1,2-Trichloroethane	ug/kg	ND	ND	NC	
Trichloroethene	ug/kg	ND	ND	NC	
Trichlorofluoromethane	ug/kg	ND	ND	NC	
1,2,3-Trichloropropane	ug/kg	ND	ND	NC	
1,2,4-Trimethylbenzene	ug/kg	ND	ND	NC	
1,3,5-Trimethylbenzene	ug/kg	ND	ND	NC	
Vinyl chloride	ug/kg	ND	ND	NC	
m&p-Xylene	ug/kg	ND	ND	NC	
o-Xylene	ug/kg	ND	ND	NC	
Toluene-d8 (S)	%	91	90		
4-Bromofluorobenzene (S)	%	56	51		4
Dibromofluoromethane (S)	%	127	120		
1,2-Dichloroethane-d4 (S)	%	114	108		

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QUALITY CONTROL DATA

Lab Project Number: 9237364
Client Project ID: Bramlette MGP

QC Batch: 64362 Analysis Method: % Moisture
QC Batch Method: Analysis Description: Percent Moisture
Associated Lab Samples: 922563796 922563804 922563812 922563820 922563838

SAMPLE DUPLICATE: 922564471

Parameter	Units	922562251 Result	DUP Result	RPD	Footnotes
Percent Moisture	%	6.100	6.200	2	

SAMPLE DUPLICATE: 922564489

Parameter	Units	922563655 Result	DUP Result	RPD	Footnotes
Percent Moisture	%	17.40	19.50	11	

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Lab Project Number: 9237364
Client Project ID: Bramlette MGP

QUALITY CONTROL DATA PARAMETER FOOTNOTES

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

LCS(D)	Laboratory Control Sample (Duplicate)
MS(D)	Matrix Spike (Duplicate)
DUP	Sample Duplicate
ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
RPD	Relative Percent Difference
(S)	Surrogate
[1]	RPD value was outside of control limits, however % Recoveries were acceptable. Samples for QC batch accepted based on % recoveries and completeness of QC data.
[2]	Due to matrix interference the matrix spike and/or matrix spike duplicate do not provide reliable values. Sample results for this QC batch accepted based on LCS and/or LCSD % Recovery and/or RPD values.
[3]	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
[4]	Low surrogate recovery was confirmed as a matrix effect by a second analysis.
[5]	High surrogate recovery was confirmed as a matrix effect by a second analysis.

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Form 89962 (9-97)
Previously Form 35226

Duke Power's Analytical Laboratory
MNS Bldg. # 7405 (MG03A2)
13339 Hagers Ferry Road
Huntersville, NC 28078
Phone: (704) 875-5209/875-5245[1]
Fax: (704) 875-5038

LAB USE[8]

LIMS #	Sample Class
02-OCT-0416	SOIL

Logged By (Ini.)	Time	Date
EBC	1328	10/17/02

Vendored Samples

Vendor	Analysis

Vendor	P.O. #

Container Type: (✓)Glass ( )Plastic[13]

Preservative Added[14]

															TOTAL # OF CONTAINERS[18]
HNO_3															
H_2SO_4															
Ice															
Other															
None	X	X													

CLIENT: Tim Hunsucker Report to/Ph.[4]:
Project Name[3]: Mail Code: MG03A3

FMIS #
Business Unit[4]: Resp. Center To: 0193
Project ID[5]: MGP BRAM
Activity ID[6]: All ACTV
Process[7]:

Sample #[9]	Lab PROFS #[10]	Sample Description or ID[11]	Collection Information[12] Date	Time	Signature	GRAB[16]	COMP[17]	Analysis Required[15] 8260 MGP	8270 MGP
22039411		BRAM-95SW	10/9/02	1300	EBC	X		X	X
9412		BRAM-96SW	10/9/02	1310	EBC				
9413		BRAM-97SW	10/9/02	1312	EBC				
9415		BRAM-98B	10/10/02	0830	EBC				
9416		BRAM-99SW	10/10/02	0840	EBC				
9417		BRAM-100SW	10/10/02	0850	EBC				
9418		BRAM-101SW	10/10/02	0900	EBC				
9419		BRAM-102SW	10/10/02	1320	EBC				

Relinquished by:[19]	Date/Time	Accepted By:	Date/Time
EBC	10/17/02 0950	Kenneth Rooney	10/17/02 0950
Kenneth Rooney	10/17/02 1225	[illegible]	10-17-02 2:25
Seal/Locked by[20]	Date/Time	Seal/Lock Opened By:	Date/Time

Turnaround Requested[21]
- ☑ Routine (2 weeks)
- ☐ Rush (1 week)
- ☐ Emergency Rush (24-48 Hrs.)*

Date Results Requested: _____
*Additional Charges Will Apply

Sample Matrix[22] NC ☐ SC ☐
Ground Water ☐ NPDES ☐
Drinking Water ☐ UST ☐
RCRA Waste ☐ Other ☐

TEMP:[23] ON ICE <6C

Comments:[24]

Original – AL Files[25] Copy 1– AL Files Copy 2 – Client Copy

See Instructions on the back of this form.

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Form 89962 (9-97)
Previously Form 35226

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Huntersville, NC 28078
Phone: (704) 875-5209/875-5245[1]
Fax: (704) 875-5038

LAB USE[8]

LIMS # 02-OCT-0416			Sample Class SOIL
Logged By (Ini.) EBC	Time 1328	Date 10/17/02	Vendored Samples

Vendor	Analysis

Vendor	P.O. #

Container Type: (✓)Glass ( )Plastic[13]

Preservative Added[14]													
HNO_3													
H_2SO_4													
Ice													
Other													
None	X	X											

CLIENT[2]: Tim Hunsucker Report to/Ph.[4]:
Project Name[3]: Mail Code: MG03A3
FMIS #
Business Unit[4]: Resp. Center To: 0193
Project ID[5]: MGP BRAM
Activity ID[6]: All ACTV
Process[7]:

Sample #[9]	Lab PROFS #[10]	Sample Description or ID[11]	Collection Information[12] Date	Time	Signature	GRAB[16]	COMP[17]	Analysis Required[15] 8260 MGP	8270 MGP	TOTAL # OF CONTAINERS[18]
22039411		BRAM-95SW	10/9/02	1300	CibL	X		X	X	
9412		BRAM-96SW	10/9/02	1310	CibL					
9413		BRAM-97SW	10/9/02	1312	CibL					
9415		BRAM-98 B	10/10/02	0830	CibL					
9416		BRAM-99SW	10/10/02	0840	CibL					
9417		BRAM-100SW	10/10/02	0850	CibL					
9418		BRAM-101SW	10/10/02	0900	CibL					
9419		BRAM-102SW	10/10/02	1320	CibL	↓		↓	↓	

Relinquished by:[19]	Date/Time	Accepted By:	Date/Time
CibL	10/17/02 0950	Kenneth Rooney	10/17/02 0950
Kenneth Rooney	10/17/02 1225		10-17-02 12:25
Seal/Locked by[20]	Date/Time	Seal/Lock Opened By:	Date/Time

Turnaround Requested[21]
- ☑ Routine (2 weeks)
- ☐ Rush (1 week)
- ☐ Emergency Rush (24-48 Hrs.)*

Date Results Requested: _____
*Additional Charges Will Apply

Sample Matrix[22] NC ☐ SC ☐
Ground Water ☐ NPDES ☐
Drinking Water ☐ UST ☐
RCRA Waste ☐ Other ☐

TEMP:[23] ONICE 6C

Comments:[24]

Original – AL Files[25] Copy 1– AL Files Copy 2 – Client Copy

See Instructions on the back of this form.

Duke Energy SM

8270/625 Analysis Case Narrative

(This document must accompany release of Analytical Data)

LIMS Job # ***02-OCT-0416***

Worklist # ***02-OCT-0517***

- *The relative percent difference for naphthalene in the Matrix Spike and Matrix Spike Duplicate samples exceeded the laboratory control limit of 20%.*
- *The percent recovery for the surrogates, chrysene d-12 and perylene-d12, were outside of the laboratory control limits in sample 22039417. The sample had significant matrix interference. Due to the surrogate failures any reported results for sample #22039417 should be considered estimates.*
- *Due to the high concentration of analytes, sample #22039419 had to be diluted X1000. This dilution results in an elevated reporting limit for all compounds. Several compounds were present in the sample but were below our lowest standard. These compounds are flagged with a "6" and should be considered estimates due to being outside the calibration range.*

Analyst Signature

Richard L. Engel

Duke Energy Analytical Laboratory Services

Environment, Health & Safety Services
Phone 704-875 5245
FAX 704-875-5038

Environmental Center - MG02A2
13339 Hagers Ferry Road
Huntersville NC 28078-7929

Duke Energy SM

8260 Analysis Case Narrative

(This document must accompany release of Analytical Data)

LIMS Job # 02-OCT-0416

Worklist # 02-OCT-0445

- The percent recovery for the internal and/or surrogate standards exceeded the laboratory quality control limits due to matrix interference within the samples. The results for samples 22039412, 22039416, and 22039417 should be considered estimates.

Analyst Signature
Theona James

Duke Energy Analytical Laboratory Services

Environment, Health & Safety Services
Phone 704-875-5245
FAX 704-875-5038

Environmental Center – MG03A2
13339 Hagers Ferry Road
Huntersville NC 28078-7929

Duke Energy

Duke Energy Analytical Laboratory

Environment, Health and Safety Services
Phone: 704-875-5245
Fax: 704-875-5038

13339 Hagers Ferry Road
Huntersville, NC 28078-7929
McGuire Nuclear Complex - MG03A2

Certificate of Analysis

New York State Department of Health Certification # **11717**
Oklahoma Department of Environmental Quality Certification # **9930**
Kansas Department of Health and Environment Certificate # **E-10311**
Louisiana Department of Environmental Quality (LELAP) Certificate # **02012**
North Carolina Department of Health & Human Services Certification # **37804**
South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22039411** Job # : **02-OCT-0416**

Sample Description: **BRAM-95 SW**

Collection Date: **9-Oct-02 13:00:00** Site : **BRAMLETT** Sample Type: **MGP SOIL** Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **10/28/02**

	Result	Reporting Limit	Flag
Benzene	< 5.0 ug/Kg	5.0 ug/Kg	0
Toluene	< 5.0 ug/Kg	5.0 ug/Kg	0
Ethylbenzene	7.7 ug/Kg	5.0 ug/Kg	0
m-p-Xylene	41 ug/Kg	11 ug/Kg	0
o-Xylene	9.7 ug/Kg	5.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **11/04/02**

	Result	Reporting Limit	Flag
Naphthalene	< 1.1 mg/Kg	1.1 mg/Kg	0
2-Methylnaphthalene	< 1.1 mg/Kg	1.1 mg/Kg	0
Acenaphthylene	< 1.1 mg/Kg	1.1 mg/Kg	0
Acenaphthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Dibenzofuran	< 1.1 mg/Kg	1.1 mg/Kg	0
Fluorene	< 1.1 mg/Kg	1.1 mg/Kg	0
Phenanthrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Anthracene	< 1.1 mg/Kg	1.1 mg/Kg	0
Fluoranthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Pyrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(a)anthracene	< 1.1 mg/Kg	1.1 mg/Kg	0
Chrysene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(b)fluoranthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(k)fluoranthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(a)pyrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Dibenzo(a,h)anthracene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(g,h,i)perylene	< 1.1 mg/Kg	1.1 mg/Kg	0

Duke Energy

Duke Energy Analytical Laboratory

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Fax: 704-875-5038

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McGuire Nuclear Complex - MG03A2

Certificate of Analysis

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South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22039412** Job # : **02-OCT-0416**

Sample Description: **BRAM-96 SW**

Collection Date: **9-Oct-02 13:10:00** Site : **BRAMLETT** Sample Type: **MGP SOIL** Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **10/28/02**

	Result	Reporting Limit	Flag
Benzene	< 4.0 ug/Kg	4.0 ug/Kg	1
Toluene	< 4.0 ug/Kg	4.0 ug/Kg	1
Ethylbenzene	5.2 ug/Kg	4.0 ug/Kg	1
m-p-Xylene	26 ug/Kg	8.0 ug/Kg	1
o-Xylene	6.5 ug/Kg	4.0 ug/Kg	1

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **11/04/02**

	Result	Reporting Limit	Flag
Naphthalene	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Methylnaphthalene	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthylene	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Dibenzofuran	< 1.2 mg/Kg	1.2 mg/Kg	0
Fluorene	< 1.2 mg/Kg	1.2 mg/Kg	0
Phenanthrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Anthracene	< 1.2 mg/Kg	1.2 mg/Kg	0
Fluoranthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Pyrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(a)anthracene	< 1.2 mg/Kg	1.2 mg/Kg	0
Chrysene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(b)fluoranthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(k)fluoranthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(a)pyrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Dibenzo(a,h)anthracene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(g,h,i)perylene	< 1.2 mg/Kg	1.2 mg/Kg	0

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North Carolina Department of Health & Human Services Certification # **37804**
South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22039413** Job # : **02-OCT-0416**

Sample Description: **BRAM-97 SW**

Collection Date: **9-Oct-02 13:12:00** Site : **BRAMLETT** Sample Type: **MGP SOIL** Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **10/28/02**

	Result	Reporting Limit	Flag
Benzene	< 7.0 ug/Kg	7.0 ug/Kg	0
Toluene	< 7.0 ug/Kg	7.0 ug/Kg	0
Ethylbenzene	13 ug/Kg	7.0 ug/Kg	0
m-p-Xylene	71 ug/Kg	13 ug/Kg	0
o-Xylene	16 ug/Kg	7.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **11/04/02**

	Result	Reporting Limit	Flag
Naphthalene	2.5 mg/Kg	1.2 mg/Kg	0
2-Methylnaphthalene	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthylene	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Dibenzofuran	< 1.2 mg/Kg	1.2 mg/Kg	0
Fluorene	< 1.2 mg/Kg	1.2 mg/Kg	0
Phenanthrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Anthracene	< 1.2 mg/Kg	1.2 mg/Kg	0
Fluoranthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Pyrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(a)anthracene	< 1.2 mg/Kg	1.2 mg/Kg	0
Chrysene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(b)fluoranthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(k)fluoranthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(a)pyrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Dibenzo(a,h)anthracene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(g,h,i)perylene	< 1.2 mg/Kg	1.2 mg/Kg	0

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South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22039415** Job # : **02-OCT-0416**

Sample Description: **BRAM-98 B**

Collection Date: **10-Oct-02 08:30:00** Site : BRAMLETT Sample Type: MGP SOIL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **10/28/02**

	Result	Reporting Limit	Flag
Benzene	< 4.0 ug/Kg	4.0 ug/Kg	0
Toluene	< 4.0 ug/Kg	4.0 ug/Kg	0
Ethylbenzene	< 4.0 ug/Kg	4.0 ug/Kg	0
m-p-Xylene	13 ug/Kg	8.0 ug/Kg	0
o-Xylene	4.8 ug/Kg	4.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **11/04/02**

	Result	Reporting Limit	Flag
Naphthalene	< 1.4 mg/Kg	1.4 mg/Kg	1
2-Methylnaphthalene	< 1.4 mg/Kg	1.4 mg/Kg	0
Acenaphthylene	< 1.4 mg/Kg	1.4 mg/Kg	0
Acenaphthene	< 1.4 mg/Kg	1.4 mg/Kg	0
Dibenzofuran	< 1.4 mg/Kg	1.4 mg/Kg	0
Fluorene	< 1.4 mg/Kg	1.4 mg/Kg	0
Phenanthrene	< 1.4 mg/Kg	1.4 mg/Kg	0
Anthracene	< 1.4 mg/Kg	1.4 mg/Kg	0
Fluoranthene	< 1.4 mg/Kg	1.4 mg/Kg	0
Pyrene	< 1.4 mg/Kg	1.4 mg/Kg	0
Benzo(a)anthracene	< 1.4 mg/Kg	1.4 mg/Kg	0
Chrysene	< 1.4 mg/Kg	1.4 mg/Kg	0
Benzo(b)fluoranthene	< 1.4 mg/Kg	1.4 mg/Kg	0
Benzo(k)fluoranthene	< 1.4 mg/Kg	1.4 mg/Kg	0
Benzo(a)pyrene	< 1.4 mg/Kg	1.4 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 1.4 mg/Kg	1.4 mg/Kg	0
Dibenzo(a,h)anthracene	< 1.4 mg/Kg	1.4 mg/Kg	0
Benzo(g,h,i)perylene	< 1.4 mg/Kg	1.4 mg/Kg	0

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South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **249**

Sample ID # : **22039416** Job # : **02-OCT-0416**

Sample Description: **BRAM-99 SW**

Collection Date: **10-Oct-02 08:40:00** Site : BRAMLETT Sample Type: MGP SOIL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **10/28/02**

	Result	Reporting Limit	Flag
Benzene	53 ug/Kg	10 ug/Kg	1
Toluene	27 ug/Kg	10 ug/Kg	1
Ethylbenzene	19 ug/Kg	10 ug/Kg	1
m-p-Xylene	100 ug/Kg	20 ug/Kg	1
o-Xylene	24 ug/Kg	10 ug/Kg	1

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **11/04/02**

	Result	Reporting Limit	Flag
Naphthalene	< 1.1 mg/Kg	1.1 mg/Kg	0
2-Methylnaphthalene	< 1.1 mg/Kg	1.1 mg/Kg	0
Acenaphthylene	< 1.1 mg/Kg	1.1 mg/Kg	0
Acenaphthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Dibenzofuran	< 1.1 mg/Kg	1.1 mg/Kg	0
Fluorene	< 1.1 mg/Kg	1.1 mg/Kg	0
Phenanthrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Anthracene	< 1.1 mg/Kg	1.1 mg/Kg	0
Fluoranthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Pyrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(a)anthracene	< 1.1 mg/Kg	1.1 mg/Kg	0
Chrysene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(b)fluoranthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(k)fluoranthene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(a)pyrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 1.1 mg/Kg	1.1 mg/Kg	0
Dibenzo(a,h)anthracene	< 1.1 mg/Kg	1.1 mg/Kg	0
Benzo(g,h,i)perylene	< 1.1 mg/Kg	1.1 mg/Kg	0

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South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22039417** Job # : **02-OCT-0416**

Sample Description: **BRAM-100 SW**

Collection Date: **10-Oct-02 08:50:00** Site : **BRAMLETT** Sample Type: **MGP SOIL** Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **10/28/02**

	Result	Reporting Limit	Flag
Benzene	< 240 ug/Kg	240 ug/Kg	1
Toluene	< 240 ug/Kg	240 ug/Kg	1
Ethylbenzene	2300 ug/Kg	240 ug/Kg	1
m-p-Xylene	9800 ug/Kg	480 ug/Kg	1
o-Xylene	2800 ug/Kg	240 ug/Kg	1

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **11/04/02**

	Result	Reporting Limit	Flag
Naphthalene	10 mg/Kg	1.2 mg/Kg	1
2-Methylnaphthalene	9.4 mg/Kg	1.2 mg/Kg	1
Acenaphthylene	< 1.2 mg/Kg	1.2 mg/Kg	1
Acenaphthene	< 1.2 mg/Kg	1.2 mg/Kg	1
Dibenzofuran	< 1.2 mg/Kg	1.2 mg/Kg	1
Fluorene	< 1.2 mg/Kg	1.2 mg/Kg	1
Phenanthrene	< 1.2 mg/Kg	1.2 mg/Kg	1
Anthracene	< 1.2 mg/Kg	1.2 mg/Kg	1
Fluoranthene	< 1.2 mg/Kg	1.2 mg/Kg	1
Pyrene	< 1.2 mg/Kg	1.2 mg/Kg	1
Benzo(a)anthracene	< 1.2 mg/Kg	1.2 mg/Kg	1
Chrysene	< 1.2 mg/Kg	1.2 mg/Kg	1
Benzo(b)fluoranthene	< 1.2 mg/Kg	1.2 mg/Kg	1
Benzo(k)fluoranthene	< 1.2 mg/Kg	1.2 mg/Kg	1
Benzo(a)pyrene	< 1.2 mg/Kg	1.2 mg/Kg	1
Indeno(1,2,3-c,d)pyrene	< 1.2 mg/Kg	1.2 mg/Kg	1
Dibenzo(a,h)anthracene	< 1.2 mg/Kg	1.2 mg/Kg	1
Benzo(g,h,i)perylene	< 1.2 mg/Kg	1.2 mg/Kg	1

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South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22039418** Job # : **02-OCT-0416**

Sample Description: **BRAM-101 SW**

Collection Date: **10-Oct-02 09:00:00** Site : BRAMLETT Sample Type: MGP SOIL Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **10/28/02**

	Result	Reporting Limit	Flag
Benzene	< 6.0 ug/Kg	6.0 ug/Kg	0
Toluene	< 6.0 ug/Kg	6.0 ug/Kg	0
Ethylbenzene	< 6.0 ug/Kg	6.0 ug/Kg	0
m-p-Xylene	< 11 ug/Kg	11 ug/Kg	0
o-Xylene	< 6.0 ug/Kg	6.0 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **11/04/02**

	Result	Reporting Limit	Flag
Naphthalene	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Methylnaphthalene	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthylene	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Dibenzofuran	< 1.2 mg/Kg	1.2 mg/Kg	0
Fluorene	< 1.2 mg/Kg	1.2 mg/Kg	0
Phenanthrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Anthracene	< 1.2 mg/Kg	1.2 mg/Kg	0
Fluoranthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Pyrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(a)anthracene	< 1.2 mg/Kg	1.2 mg/Kg	0
Chrysene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(b)fluoranthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(k)fluoranthene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(a)pyrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	< 1.2 mg/Kg	1.2 mg/Kg	0
Dibenzo(a,h)anthracene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzo(g,h,i)perylene	< 1.2 mg/Kg	1.2 mg/Kg	0

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Sample ID # : **22039419** Job # : **02-OCT-0416**

Sample Description: **BRAM-102 SW**

Collection Date: **10-Oct-02 13:20:00** Site : **BRAMLETT** Sample Type: **MGP SOIL** Desktop #

MGP PARAMETERS IN SOIL BY GC/MS - 8260

Test Code: **MS8260MGPS** Test Method: **SW-846 5030B/8260B** Date Posted: **10/28/02**

	Result	Reporting Limit	Flag
Benzene	< 330 ug/Kg	330 ug/Kg	0
Toluene	870 ug/Kg	330 ug/Kg	0
Ethylbenzene	900 ug/Kg	330 ug/Kg	0
m-p-Xylene	8400 ug/Kg	650 ug/Kg	0
o-Xylene	6500 ug/Kg	330 ug/Kg	0

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **11/04/02**

	Result	Reporting Limit	Flag
Naphthalene	1400 mg/Kg	8700 mg/Kg	6
2-Methylnaphthalene	4900 mg/Kg	8700 mg/Kg	6
Acenaphthylene	< 8700 mg/Kg	8700 mg/Kg	4
Acenaphthene	< 8700 mg/Kg	8700 mg/Kg	4
Dibenzofuran	< 8700 mg/Kg	8700 mg/Kg	4
Fluorene	2300 mg/Kg	8700 mg/Kg	6
Phenanthrene	9500 mg/Kg	8700 mg/Kg	4
Anthracene	2200 mg/Kg	8700 mg/Kg	6
Fluoranthene	< 8700 mg/Kg	8700 mg/Kg	4
Pyrene	6400 mg/Kg	8700 mg/Kg	6
Benzo(a)anthracene	< 8700 mg/Kg	8700 mg/Kg	4
Chrysene	< 8700 mg/Kg	8700 mg/Kg	4
Benzo(b)fluoranthene	< 8700 mg/Kg	8700 mg/Kg	4
Benzo(k)fluoranthene	< 8700 mg/Kg	8700 mg/Kg	4
Benzo(a)pyrene	< 8700 mg/Kg	8700 mg/Kg	4
Indeno(1,2,3-c,d)pyrene	< 8700 mg/Kg	8700 mg/Kg	4
Dibenzo(a,h)anthracene	< 8700 mg/Kg	8700 mg/Kg	4

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South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22039419** Job # : **02-OCT-0416**

Sample Description: **BRAM-102 SW**

Collection Date: **10-Oct-02 13:20:00** Site : BRAMLETT Sample Type: MGP SOIL Desktop #

SVOC MGP IN SOIL BY GC/MS - 8270

Test Code: **MS8270MGPS** Test Method: **SW-846 8270C** Date Posted: **11/04/02**

	Result	Reporting Limit	Flag
Benzo(g,h,i)perylene	< 8700 mg/Kg	8700 mg/Kg	4

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration, *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration
7 - Reported concentration is the combination of more that one aroclor (Reported Aroclor is the Aroclor of highest concentration in the sample)

Troy Whisenant 11/4
Data Reported By, Date

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

89962 (9-97)
Previously Form 35226

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Huntersville, NC 28078
Phone: (704) 875-5209/875-5245[1]
Fax: (704) 875-5038

CLIENT[2]: Mark McGarry TV02B and Tim Hunsucker Report to/Ph.[4]:

Project Name[3]: Mail Code: MG03AB

Business Unit[4]: Resp. Center To: 0193

FMIS #
Project ID[5]: MGP BRAM
Activity ID[6]: AH1 ACTV
Process[7]:

LAB USE[8]

LIMS # 02-NOV-0590			Sample Class SOIL
Logged By (Ini.) VBS	Time 1534	Date 11/26/02	Vendored Samples

Vendor	Analysis

Vendor	P.O. #

Container Type: ( )Glass ( )Plastic[13]

Preservative Added[14]														
HNO_3														
H_2SO_4														
Ice														
Other														
None	X	X												
Analysis Required[15]	8260 MG2	8270 MG2												

Sample #[9]	Lab PROFS #[10]	Sample Description or ID[11]	Collection Information[12] Date	Time	Signature	GRAB[16]	COMP[17]			TOTAL # OF CONTAINERS[18]
1102500S		BRAM-103B	11/25/02	1700	B Cable	X		X	X	2

Relinquished by:[19]	Date/Time	Accepted By:	Date/Time
B. Cable	11/26/02 09:30	[redacted]	11-26-02 09:30
Relinquished by:	Date/Time 11/26/02 3:00	Accepted By:	Date/Time 300
		Thomas Whisenant	11/26/02
Seal/Locked by:	Date/Time	Seal/Lock Opened By:	Date/Time

Turnaround Requested[21]

- [X] Routine (2 weeks)
- [ ] Rush (1 week)
- [ ] Emergency Rush (24-48 Hrs.)*

Date Results Requested: _____

*Additional Charges Will Apply

Sample Matrix[22] NC ☐ SC ☐
Ground Water ☐ NPDES ☐
Drinking Water ☐ UST ☐
RCRA Waste ☐ Other ☐

TEMP:[23]

Comments:[24]

See Instructions on the back of this form.

Original – AL Files[25] **Copy 1– AL Files** **Copy 2 – Client Copy**

Duke Energy SM

8260 Analysis Case Narrative

(This document must accompany release of Analytical Data)

LIMS Job # ***02-NOV-0590***

Worklist # ***02-DEC-0261***

- The percent drift for the continuing calibration standard for carbon tetrachloride and naphthalene exceeded the laboratory quality control limits. The results for these compounds should be considered estimates in sample 22045505.

- The result for naphthalene for sample # 22045505 is flagged as an estimate due to the compound concentration was not within the calibration range.

Therona James

Analyst Signature

Therona James

Duke Energy Analytical Laboratory Services

Environment, Health & Safety Services
Phone 704-875-5245
FAX 704-875-5033

Environmental Center - MG03A2
13339 Hagers Ferry Road
Huntersville NC 28078-7929

Duke Energy SM

8270/625 Analysis Case Narrative

(This document must accompany release of Analytical Data)

LIMS Job # ***02-NOV-0590***

Worklist # ***02-NOV-0616***

- *The percent recovery for benzyl alcohol, 2,4-dimethylphenol, benzoic acid, hexachlorocyclopentadiene, 2,4-dinitrophenol, 4-nitrophenol, 2-methyl-4-6dinitrophenol, and di-n-octylphthalate in the Continuing Calibration Sample did not meet the laboratory control limits. The results for these analytes should be considered estimates for all samples.*

- *The percent recovery for pyrene, butylbenzylphthalate, chrysene, benzo(a)anthracene, 3,3-dichlorobenzidene and dibenzo(a,h)anthracene in the Laboratory Control Sample did not meet the laboratory control limits. The results for these analytes should be considered estimates for all samples.*

- *The following compounds often exhibit recoveries lower than 50%: pyridine, aniline, hexachloroethane, benzoic acid, 4-chloroaniline, hexachlorocyclopentadiene, 2,4-dinitrophenol, 2-methyl-4,6-dinitrophenol and benzidine. Because of the potential for low recovery for these compounds, all results for these compounds should be considered as estimates.*

- *Any and all results for benzidine should be considered as estimates. This compound is difficult to accurately quantify by this methodology. This compound often fails calibration criteria, spike recovery criteria and method detection limit criteria.*

- *Any concentrations reported for phthalates including di-n-butylphthalate, bis(2-ethylhexyl)phthalate and di-n-octylphthalate should be considered as estimates. These compounds can be found in sample containers, sampling equipment and laboratory processing materials.*

Analyst Signature

Shannon Rollins

Duke Energy Analytical Laboratory Services

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FAX: 704-875-5038

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Certificate of Analysis

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Kansas Department of Health and Environment Certificate # E-10311
Louisiana Department of Environmental Quality (LELAP) Certificate # 02012
North Carolina Department of Health & Human Services Certification # 37804
South Carolina (DHEC) Laboratory ID # 99005 North Carolina (DENR) Certification # 248

Sample ID # : **22045005** Job # : **02-NOV-0590**

Sample Description: **BRAM-103B**

Collection Date: **25-Nov-02 17:00:00** Site : BRAMLETT Sample Type: MGP SOIL Desktop #

SVOC IN SOIL BY GC/MS - 8270

Test Code: **MS8270_S** Test Method: **SW-846 8270C** Date Posted: **12/10/02**

	Result	Reporting Limit	Flag
Pyridine	< 1.2 mg/Kg	1.2 mg/Kg	1
n-Nitrosodimethylamine	< 1.2 mg/Kg	1.2 mg/Kg	0
Aniline	< 1.2 mg/Kg	1.2 mg/Kg	1
Phenol	< 1.2 mg/Kg	1.2 mg/Kg	0
bis(2-Chloroethyl)ether	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Chlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
1,3-Dichlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
1,4-Dichlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzyl alcohol	< 1.2 mg/Kg	1.2 mg/Kg	1
1,2-Dichlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Methylphenol	< 1.2 mg/Kg	1.2 mg/Kg	0
bis(2-Chloroisopropyl)ether	< 1.2 mg/Kg	1.2 mg/Kg	0
4-Methylphenol	< 1.2 mg/Kg	1.2 mg/Kg	0
Hexachloroethane	< 1.2 mg/Kg	1.2 mg/Kg	1
n-Nitrosodi-n-propylamine	< 1.2 mg/Kg	1.2 mg/Kg	0
Nitrobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
Isophorone	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Nitrophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
2,4-Dimethylphenol	< 1.2 mg/Kg	1.2 mg/Kg	1
bis(2-Chloroethoxy)methane	< 1.2 mg/Kg	1.2 mg/Kg	0
2,4-Dichlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzoic acid	< 3.0 mg/Kg	3.0 mg/Kg	1
1,2,4-Trichlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
Naphthalene	25 mg/Kg	12 mg/Kg	0
4-Chloroaniline	< 1.2 mg/Kg	1.2 mg/Kg	1
Hexachlorobutadiene	< 1.2 mg/Kg	1.2 mg/Kg	0
4-Chloro-3-methylphenol	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Methylnaphthalene	14 mg/Kg	12 mg/Kg	0
Hexachlorocyclopentadiene	< 3.0 mg/Kg	3.0 mg/Kg	1
2,4,6-Trichlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
2,4,5-Trichlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Chloronaphthalene	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Nitroaniline	< 1.2 mg/Kg	1.2 mg/Kg	0
Dimethylphthalate	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthylene	3.4 mg/Kg	1.2 mg/Kg	0
2,6-Dinitrotoluene	< 1.2 mg/Kg	1.2 mg/Kg	0
3-Nitroaniline	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthene	11 mg/Kg	1.2 mg/Kg	0

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North Carolina Department of Health & Human Services Certification # 37804
South Carolina (DHEC) Laboratory ID # 99005 North Carolina (DENR) Certification # 248

Sample ID # : **22045005** Job # : **02-NOV-0590**

Sample Description: **BRAM-103B**

Collection Date: **25-Nov-02 17:00:00** Site : **BRAMLETT** Sample Type: **MGP SOIL** Desktop #

SVOC IN SOIL BY GC/MS - 8270

Test Code: **MS8270_S** Test Method: **SW-846 8270C** Date Posted: **12/10/02**

	Result	Reporting Limit	Flag
2,4-Dinitrophenol	< 3.0 mg/Kg	3.0 mg/Kg	1
4-Nitrophenol	< 3.0 mg/Kg	3.0 mg/Kg	1
Dibenzofuran	5.3 mg/Kg	1.2 mg/Kg	0
2,4-Dinitrotoluene	< 1.2 mg/Kg	1.2 mg/Kg	0
Diethylphthalate	< 1.2 mg/Kg	1.2 mg/Kg	0
Fluorene	14 mg/Kg	12 mg/Kg	0
4-Chlorophenylphenylether	< 1.2 mg/Kg	1.2 mg/Kg	0
4-Nitroaniline	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Methyl-4,6-dinitrophenol	< 3.0 mg/Kg	3.0 mg/Kg	1
n-Nitrosodiphenylamine	< 1.2 mg/Kg	1.2 mg/Kg	0
1,2-Diphenylhydrazine	< 1.2 mg/Kg	1.2 mg/Kg	0
4-Bromophenylphenylether	< 1.2 mg/Kg	1.2 mg/Kg	0
Hexachlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
Pentachlorophenol	< 3.0 mg/Kg	3.0 mg/Kg	0
Phenanthrene	39 mg/Kg	12 mg/Kg	0
Anthracene	9.8 mg/Kg	1.2 mg/Kg	0
di-n-Butylphthalate	< 1.2 mg/Kg	1.2 mg/Kg	0
Fluoranthene	34 mg/Kg	12 mg/Kg	0
Benzidine	< 6.1 mg/Kg	6.1 mg/Kg	1
Pyrene	35 mg/Kg	12 mg/Kg	1
Butylbenzylphthalate	< 1.2 mg/Kg	1.2 mg/Kg	1
3,3-Dichlorobenzidine	< 1.2 mg/Kg	1.2 mg/Kg	1
Benzo(a)anthracene	17 mg/Kg	12 mg/Kg	1
Chrysene	19 mg/Kg	12 mg/Kg	1
bis(2-Ethylhexyl)phthalate	< 1.2 mg/Kg	1.2 mg/Kg	1
di-n-Octylphthalate	< 3.0 mg/Kg	3.0 mg/Kg	1
Benzo(b)fluoranthene	9.5 mg/Kg	1.2 mg/Kg	0
Benzo(k)fluoranthene	8.6 mg/Kg	1.2 mg/Kg	0
Benzo(a)pyrene	9.6 mg/Kg	1.2 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	5.0 mg/Kg	1.2 mg/Kg	0
Dibenzo(a,h)anthracene	2.0 mg/Kg	1.2 mg/Kg	0
Benzo(g,h,i)perylene	5.5 mg/Kg	1.2 mg/Kg	0

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South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22045005** Job # : **02-NOV-0590**

Sample Description: **BRAM-103B**

Collection Date: **25-Nov-02 17:00:00** Site : BRAMLETT Sample Type: MGP SOIL Desktop #

VOC IN SOIL BY GC/MS - 8260

Test Code: **MS8260_S** Test Method: **SW-846 5030B/8260B** Date Posted: **12/13/02**

	Result	Reporting Limit	Flag
Dichlorodifluoromethane	< 10 ug/Kg	10 ug/Kg	1
Chloromethane	< 10 ug/Kg	10 ug/Kg	0
Vinyl chloride	< 10 ug/Kg	10 ug/Kg	0
Bromomethane	< 24 ug/Kg	24 ug/Kg	0
Chloroethane	< 10 ug/Kg	10 ug/Kg	0
Trichlorofluoromethane	< 10 ug/Kg	10 ug/Kg	0
Acrolein	< 100 ug/Kg	100 ug/Kg	0
1,1-Dichloroethene	< 10 ug/Kg	10 ug/Kg	0
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 10 ug/Kg	10 ug/Kg	0
Acetone	< 100 ug/Kg	100 ug/Kg	0
Methyl iodide	< 10 ug/Kg	10 ug/Kg	0
Carbon disulfide	< 10 ug/Kg	10 ug/Kg	0
Methylene chloride	< 10 ug/Kg	10 ug/Kg	0
Acrylonitrile	< 100 ug/Kg	100 ug/Kg	0
MTBE	< 10 ug/Kg	10 ug/Kg	0
trans-1,2-Dichloroethene	< 10 ug/Kg	10 ug/Kg	0
Isopropyl ether	< 10 ug/Kg	10 ug/Kg	0
1,1-Dichloroethane	< 10 ug/Kg	10 ug/Kg	0
Vinyl acetate	< 10 ug/Kg	10 ug/Kg	0
2,2-Dichloropropane	< 10 ug/Kg	10 ug/Kg	0
cis-1,2-Dichloroethene	< 10 ug/Kg	10 ug/Kg	0
2-Butanone	< 24 ug/Kg	24 ug/Kg	0
Chloroform	< 10 ug/Kg	10 ug/Kg	0
1,1-Dichloropropene	< 10 ug/Kg	10 ug/Kg	0
1,1,1-Trichloroethane	< 10 ug/Kg	10 ug/Kg	0
Carbon tetrachloride	< 10 ug/Kg	10 ug/Kg	0
Bromochloromethane	< 10 ug/Kg	10 ug/Kg	0
Benzene	22 ug/Kg	10 ug/Kg	0
1,2-Dichloroethane	< 10 ug/Kg	10 ug/Kg	0
Trichloroethene	< 10 ug/Kg	10 ug/Kg	0
1,2-Dichloropropane	< 10 ug/Kg	10 ug/Kg	0
Dibromomethane	< 10 ug/Kg	10 ug/Kg	0
Bromodichloromethane	< 10 ug/Kg	10 ug/Kg	0
cis-1,3-Dichloropropene	< 10 ug/Kg	10 ug/Kg	0
4-Methyl-2-pentanone (MIBK)	< 10 ug/Kg	10 ug/Kg	0
Toluene	< 10 ug/Kg	10 ug/Kg	0
trans-1,3-Dichloropropene	< 10 ug/Kg	10 ug/Kg	0
1,1,2-Trichloroethane	< 10 ug/Kg	10 ug/Kg	0

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Sample ID # : **22045005** Job # : **02-NOV-0590**

Sample Description: **BRAM-103B**

Collection Date: **25-Nov-02 17:00:00** Site : BRAMLETT Sample Type: MGP SOIL Desktop #

VOC IN SOIL BY GC/MS - 8260

Test Code: **MS8260_S** Test Method: **SW-846 5030B/8260B** Date Posted: **12/13/02**

	Result	Reporting Limit	Flag
1,3-Dichloropropane	< 10 ug/Kg	10 ug/Kg	0
Tetrachloroethene	< 10 ug/Kg	10 ug/Kg	0
2-Hexanone	< 10 ug/Kg	10 ug/Kg	0
Dibromochloromethane	< 10 ug/Kg	10 ug/Kg	0
1,2-Dibromoethane (EDB)	< 10 ug/Kg	10 ug/Kg	0
Chlorobenzene	< 10 ug/Kg	10 ug/Kg	0
Isopropylbenzene	< 10 ug/Kg	10 ug/Kg	0
1,1,1,2-tetrachloroethane	< 10 ug/Kg	10 ug/Kg	0
Ethylbenzene	29 ug/Kg	10 ug/Kg	0
m-p-Xylene	< 19 ug/Kg	19 ug/Kg	0
o-Xylene	< 10 ug/Kg	10 ug/Kg	0
Styrene	< 10 ug/Kg	10 ug/Kg	0
Bromoform	< 10 ug/Kg	10 ug/Kg	0
1,4-Dichlorobutane	< 10 ug/Kg	10 ug/Kg	0
1,1,2,2-Tetrachloroethane	< 10 ug/Kg	10 ug/Kg	0
1,2,3-Trichloropropane	< 10 ug/Kg	10 ug/Kg	0
n-Propyl benzene	< 10 ug/Kg	10 ug/Kg	0
Bromobenzene	< 10 ug/Kg	10 ug/Kg	0
1,3,5-trimethylbenzene	54 ug/Kg	10 ug/Kg	0
2-Chlorotoluene	< 10 ug/Kg	10 ug/Kg	0
4-Chlorotoluene	< 10 ug/Kg	10 ug/Kg	0
t-Butylbenzene	< 10 ug/Kg	10 ug/Kg	0
1,2,4-Trimethylbenzene	50 ug/Kg	10 ug/Kg	0
sec-Butylbenzene	< 10 ug/Kg	10 ug/Kg	0
p-Isopropyltoluene	< 10 ug/Kg	10 ug/Kg	0
1,3-Dichlorobenzene	< 10 ug/Kg	10 ug/Kg	0
1,4-Dichlorobenzene	< 10 ug/Kg	10 ug/Kg	0
n-Butylbenzene	< 10 ug/Kg	10 ug/Kg	0
1,2-Dichlorobenzene	< 10 ug/Kg	10 ug/Kg	0
1,2-Dibromo-3-chloropropane	< 10 ug/Kg	10 ug/Kg	0
1,2,4-Trichlorobenzene	< 10 ug/Kg	10 ug/Kg	0
Hexachlorobutadiene	< 10 ug/Kg	10 ug/Kg	0
Naphthalene	6200 ug/Kg	10 ug/Kg	1

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South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22045005** Job # : **02-NOV-0590**

Sample Description: **BRAM-103B**

Collection Date: **25-Nov-02 17:00:00** Site : BRAMLETT Sample Type: MGP SOIL Desktop #

VOC IN SOIL BY GC/MS - 8260

Test Code: **MS8260_S** Test Method: **SW-846 5030B/8260B** Date Posted: **12/13/02**

	Result	Reporting Limit	Flag
1,2,3-Trichlorobenzene	< 10 ug/Kg	10 ug/Kg	0

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration. *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration
7 - Reported concentration is the combination of more that one aroclor. (Reported Aroclor is the Aroclor of highest concentration in the sample)

Data Reported By, Date

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Sample ID # : **22045005** Job # : **02-NOV-0590**

Sample Description: **BRAM-103B**

Collection Date: **25-Nov-02 17:00:00** Site : BRAMLETT Sample Type: MGP SOIL Desktop #

SVOC IN SOIL BY GC/MS - 8270

Test Code: **MS8270_S** Test Method: **SW-846 8270C** Date Posted: **12/10/02**

	Result	Reporting Limit	Flag
Pyridine	< 1.2 mg/Kg	1.2 mg/Kg	1
n-Nitrosodimethylamine	< 1.2 mg/Kg	1.2 mg/Kg	0
Aniline	< 1.2 mg/Kg	1.2 mg/Kg	1
Phenol	< 1.2 mg/Kg	1.2 mg/Kg	0
bis(2-Chloroethyl)ether	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Chlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
1,3-Dichlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
1,4-Dichlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzyl alcohol	< 1.2 mg/Kg	1.2 mg/Kg	1
1,2-Dichlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Methylphenol	< 1.2 mg/Kg	1.2 mg/Kg	0
bis(2-Chloroisopropyl)ether	< 1.2 mg/Kg	1.2 mg/Kg	0
4-Methylphenol	< 1.2 mg/Kg	1.2 mg/Kg	0
Hexachloroethane	< 1.2 mg/Kg	1.2 mg/Kg	1
n-Nitrosodi-n-propylamine	< 1.2 mg/Kg	1.2 mg/Kg	0
Nitrobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
Isophorone	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Nitrophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
2,4-Dimethylphenol	< 1.2 mg/Kg	1.2 mg/Kg	1
bis(2-Chloroethoxy)methane	< 1.2 mg/Kg	1.2 mg/Kg	0
2,4-Dichlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
Benzoic acid	< 3.0 mg/Kg	3.0 mg/Kg	1
1,2,4-Trichlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
Naphthalene	25 mg/Kg	12 mg/Kg	0
4-Chloroaniline	< 1.2 mg/Kg	1.2 mg/Kg	1
Hexachlorobutadiene	< 1.2 mg/Kg	1.2 mg/Kg	0
4-Chloro-3-methylphenol	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Methylnaphthalene	14 mg/Kg	12 mg/Kg	0
Hexachlorocyclopentadiene	< 3.0 mg/Kg	3.0 mg/Kg	1
2,4,6-Trichlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
2,4,5-Trichlorophenol	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Chloronaphthalene	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Nitroaniline	< 1.2 mg/Kg	1.2 mg/Kg	0
Dimethylphthalate	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthylene	3.4 mg/Kg	1.2 mg/Kg	0
2,6-Dinitrotoluene	< 1.2 mg/Kg	1.2 mg/Kg	0
3-Nitroaniline	< 1.2 mg/Kg	1.2 mg/Kg	0
Acenaphthene	11 mg/Kg	1.2 mg/Kg	0

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South Carolina (DHEC) Laboratory ID # 99005 North Carolina (DENR) Certification # 248

Sample ID # : **22045005** Job # : **02-NOV-0590**

Sample Description: **BRAM-103B**

Collection Date: **25-Nov-02 17:00:00** Site : BRAMLETT Sample Type: MGP SOIL Desktop #

SVOC IN SOIL BY GC/MS - 8270

Test Code: **MS8270_S** Test Method: **SW-846 8270C** Date Posted: **12/10/02**

	Result	Reporting Limit	Flag
2,4-Dinitrophenol	< 3.0 mg/Kg	3.0 mg/Kg	1
4-Nitrophenol	< 3.0 mg/Kg	3.0 mg/Kg	1
Dibenzofuran	5.3 mg/Kg	1.2 mg/Kg	0
2,4-Dinitrotoluene	< 1.2 mg/Kg	1.2 mg/Kg	0
Diethylphthalate	< 1.2 mg/Kg	1.2 mg/Kg	0
Fluorene	14 mg/Kg	12 mg/Kg	0
4-Chlorophenylphenylether	< 1.2 mg/Kg	1.2 mg/Kg	0
4-Nitroaniline	< 1.2 mg/Kg	1.2 mg/Kg	0
2-Methyl-4,6-dinitrophenol	< 3.0 mg/Kg	3.0 mg/Kg	1
n-Nitrosodiphenylamine	< 1.2 mg/Kg	1.2 mg/Kg	0
1,2-Diphenylhydrazine	< 1.2 mg/Kg	1.2 mg/Kg	0
4-Bromophenylphenylether	< 1.2 mg/Kg	1.2 mg/Kg	0
Hexachlorobenzene	< 1.2 mg/Kg	1.2 mg/Kg	0
Pentachlorophenol	< 3.0 mg/Kg	3.0 mg/Kg	0
Phenanthrene	39 mg/Kg	12 mg/Kg	0
Anthracene	9.8 mg/Kg	1.2 mg/Kg	0
di-n-Butylphthalate	< 1.2 mg/Kg	1.2 mg/Kg	0
Fluoranthene	34 mg/Kg	12 mg/Kg	0
Benzidine	< 6.1 mg/Kg	6.1 mg/Kg	1
Pyrene	35 mg/Kg	12 mg/Kg	1
Butylbenzylphthalate	< 1.2 mg/Kg	1.2 mg/Kg	1
3,3-Dichlorobenzidine	< 1.2 mg/Kg	1.2 mg/Kg	1
Benzo(a)anthracene	17 mg/Kg	12 mg/Kg	1
Chrysene	19 mg/Kg	12 mg/Kg	1
bis(2-Ethylhexyl)phthalate	< 1.2 mg/Kg	1.2 mg/Kg	1
di-n-Octylphthalate	< 3.0 mg/Kg	3.0 mg/Kg	1
Benzo(b)fluoranthene	9.5 mg/Kg	1.2 mg/Kg	0
Benzo(k)fluoranthene	8.6 mg/Kg	1.2 mg/Kg	0
Benzo(a)pyrene	9.6 mg/Kg	1.2 mg/Kg	0
Indeno(1,2,3-c,d)pyrene	5.0 mg/Kg	1.2 mg/Kg	0
Dibenzo(a,h)anthracene	2.0 mg/Kg	1.2 mg/Kg	0
Benzo(g,h,i)perylene	5.5 mg/Kg	1.2 mg/Kg	0

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Certificate of Analysis

New York State Department of Health Certification # 11717
Oklahoma Department of Environmental Quality Certification # 9930
Kansas Department of Health and Environment Certificate # E-10311
Louisiana Department of Environmental Quality (LELAP) Certificate # 02012
North Carolina Department of Health & Human Services Certification # 37804
South Carolina (DHEC) Laboratory ID # 99005 North Carolina (DENR) Certification # 248

Sample ID # : **22045005** Job # : **02-NOV-0590**

Sample Description: **BRAM-103B**

Collection Date: **25-Nov-02 17:00:00** Site : **BRAMLETT** Sample Type: **MGP SOIL** Desktop #

VOC IN SOIL BY GC/MS - 8260

Test Code: **MS8260_S** Test Method: **SW-846 5030B/8260B** Date Posted: **12/13/02**

	Result	Reporting Limit	Flag
Dichlorodifluoromethane	< 10 ug/Kg	10 ug/Kg	1
Chloromethane	< 10 ug/Kg	10 ug/Kg	0
Vinyl chloride	< 10 ug/Kg	10 ug/Kg	0
Bromomethane	< 24 ug/Kg	24 ug/Kg	0
Chloroethane	< 10 ug/Kg	10 ug/Kg	0
Trichlorofluoromethane	< 10 ug/Kg	10 ug/Kg	0
Acrolein	< 100 ug/Kg	100 ug/Kg	0
1,1-Dichloroethene	< 10 ug/Kg	10 ug/Kg	0
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 10 ug/Kg	10 ug/Kg	0
Acetone	< 100 ug/Kg	100 ug/Kg	0
Methyl Iodide	< 10 ug/Kg	10 ug/Kg	0
Carbon disulfide	< 10 ug/Kg	10 ug/Kg	0
Methylene chloride	< 10 ug/Kg	10 ug/Kg	0
Acrylonitrile	< 100 ug/Kg	100 ug/Kg	0
MTBE	< 10 ug/Kg	10 ug/Kg	0
trans-1,2-Dichloroethene	< 10 ug/Kg	10 ug/Kg	0
Isopropyl ether	< 10 ug/Kg	10 ug/Kg	0
1,1-Dichloroethane	< 10 ug/Kg	10 ug/Kg	0
Vinyl acetate	< 10 ug/Kg	10 ug/Kg	0
2,2-Dichloropropane	< 10 ug/Kg	10 ug/Kg	0
cis-1,2-Dichloroethene	< 10 ug/Kg	10 ug/Kg	0
2-Butanone	< 24 ug/Kg	24 ug/Kg	0
Chloroform	< 10 ug/Kg	10 ug/Kg	0
1,1-Dichloropropene	< 10 ug/Kg	10 ug/Kg	0
1,1,1-Trichloroethane	< 10 ug/Kg	10 ug/Kg	0
Carbon tetrachloride	< 10 ug/Kg	10 ug/Kg	0
Bromochloromethane	< 10 ug/Kg	10 ug/Kg	0
Benzene	22 ug/Kg	10 ug/Kg	0
1,2-Dichloroethane	< 10 ug/Kg	10 ug/Kg	0
Trichloroethene	< 10 ug/Kg	10 ug/Kg	0
1,2-Dichloropropane	< 10 ug/Kg	10 ug/Kg	0
Dibromomethane	< 10 ug/Kg	10 ug/Kg	0
Bromodichloromethane	< 10 ug/Kg	10 ug/Kg	0
cis-1,3-Dichloropropene	< 10 ug/Kg	10 ug/Kg	0
4-Methyl-2-pentanone (MIBK)	< 10 ug/Kg	10 ug/Kg	0
Toluene	< 10 ug/Kg	10 ug/Kg	0
trans-1,3-Dichloropropene	< 10 ug/Kg	10 ug/Kg	0
1,1,2-Trichloroethane	< 10 ug/Kg	10 ug/Kg	0

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Louisiana Department of Environmental Quality (LELAP) Certificate # 02012
North Carolina Department of Health & Human Services Certification # 37804
South Carolina (DHEC) Laboratory ID # 99005 North Carolina (DENR) Certification # 248

Sample ID # : **22045005** Job # : **02-NOV-0590**

Sample Description: **BRAM-103B**

Collection Date: **25-Nov-02 17:00:00** Site : BRAMLETT Sample Type: MGP SOIL Desktop #

VOC IN SOIL BY GC/MS - 8260

Test Code: **MS8260_S** Test Method: **SW-846 5030B/8260B** Date Posted: **12/13/02**

	Result	Reporting Limit	Flag
1,3-Dichloropropane	< 10 ug/Kg	10 ug/Kg	0
Tetrachloroethene	< 10 ug/Kg	10 ug/Kg	0
2-Hexanone	< 10 ug/Kg	10 ug/Kg	0
Dibromochloromethane	< 10 ug/Kg	10 ug/Kg	0
1,2-Dibromoethane (EDB)	< 10 ug/Kg	10 ug/Kg	0
Chlorobenzene	< 10 ug/Kg	10 ug/Kg	0
Isopropylbenzene	< 10 ug/Kg	10 ug/Kg	0
1,1,1,2-tetrachloroethane	< 10 ug/Kg	10 ug/Kg	0
Ethylbenzene	29 ug/Kg	10 ug/Kg	0
m-p-Xylene	< 19 ug/Kg	19 ug/Kg	0
o-Xylene	< 10 ug/Kg	10 ug/Kg	0
Styrene	< 10 ug/Kg	10 ug/Kg	0
Bromoform	< 10 ug/Kg	10 ug/Kg	0
1,4-Dichlorobutane	< 10 ug/Kg	10 ug/Kg	0
1,1,2,2-Tetrachloroethane	< 10 ug/Kg	10 ug/Kg	0
1,2,3-Trichloropropane	< 10 ug/Kg	10 ug/Kg	0
n-Propyl benzene	< 10 ug/Kg	10 ug/Kg	0
Bromobenzene	< 10 ug/Kg	10 ug/Kg	0
1,3,5-trimethylbenzene	54 ug/Kg	10 ug/Kg	0
2-Chlorotoluene	< 10 ug/Kg	10 ug/Kg	0
4-Chlorotoluene	< 10 ug/Kg	10 ug/Kg	0
t-Butylbenzene	< 10 ug/Kg	10 ug/Kg	0
1,2,4-Trimethylbenzene	50 ug/Kg	10 ug/Kg	0
sec-Butylbenzene	< 10 ug/Kg	10 ug/Kg	0
p-Isopropyltoluene	< 10 ug/Kg	10 ug/Kg	0
1,3-Dichlorobenzene	< 10 ug/Kg	10 ug/Kg	0
1,4-Dichlorobenzene	< 10 ug/Kg	10 ug/Kg	0
n-Butylbenzene	< 10 ug/Kg	10 ug/Kg	0
1,2-Dichlorobenzene	< 10 ug/Kg	10 ug/Kg	0
1,2-Dibromo-3-chloropropane	< 10 ug/Kg	10 ug/Kg	0
1,2,4-Trichlorobenzene	< 10 ug/Kg	10 ug/Kg	0
Hexachlorobutadiene	< 10 ug/Kg	10 ug/Kg	0
Naphthalene	6200 ug/Kg	10 ug/Kg	1

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Louisiana Department of Environmental Quality (LELAP) Certificate # **02012**
North Carolina Department of Health & Human Services Certification # **37804**
South Carolina (DHEC) Laboratory ID # **99005** North Carolina (DENR) Certification # **248**

Sample ID # : **22045005** Job # : **02-NOV-0590**

Sample Description: **BRAM-103B**

Collection Date: **25-Nov-02 17:00:00** Site : BRAMLETT Sample Type: MGP SOIL Desktop #

VOC IN SOIL BY GC/MS - 8260

Test Code: **MS8260_S** Test Method: **SW-846 5030B/8260B** Date Posted: **12/13/02**

	Result	Reporting Limit	Flag
1,2,3-Trichlorobenzene	< 10 ug/Kg	10 ug/Kg	0

Description of Flags:

0 - All Analytical Procedure Requirements Were Met
1 - See Case Narrative
2 - Estimated Concentration, *See Case Narrative*
3 - Report Limit Elevated due to insufficient sample amount
4 - Report Limit Elevated due to required analytical dilution
5 - Sample Results Should Not Be Used For Regulatory Purposes (See Case Narrative)
6 - Analyte detected below laboratory reporting limit at an estimated concentration.
7 - Reported concentration is the combination of more that one aroclor. (Reported Aroclor is the Aroclor of highest concentration in the sample)

Troy Whisenant 1/29/03
Data Reported By, Date

Appendix B

Treated Soil Verification Laboratory Data

Table 1
Analytical Results vs. Clean-Up Levels for SSR - Laurens

	Remediation Goals		Sample ID's	
Parameter	**PRG (ppm)**	**PRG (ppb)**	**Duke C1 (ppb)**	**Duke C-2 (ppb)**
EPA SW-846 8260				
Benzene	0.65	650	23	9.4
Toluene	520	520,000	12	<5.4
Ethylbenzene	230	230,000	<5.4	<5.4
Xylenes	210	210,000	<11	<11
EPA SW-846 8270				
Polynuclear Aromatic Hydrocarbons (PAH's)	-	-	-	-
Acenaphthene	3,700	3,700,000	<360	<360
Anthracene	22,000	22,000,000	<360	<360
Benz(a)anthracene	0.62	620	<360	<360
Benzo(b)fluoranthene	0.62	620	<360	<360
Benzo(a)pyrene	0.062	62	<360	<360
Chrysene	62	62,000	<360	<360
Dibenz(a,h)anthracene	0.062	62	<360	<360
Fluoranthene	2,300	2,300,000	<360	<360
Fluorene	2,600	2,600,000	<360	<360
Indeno(1,2,3-cd)pyrene	0.62	620	<360	<360
Naphthalene	56	56,000	<360	<360
Pyrene	2,300	2,300,000	<360	<360

Notes:
PRG = Preliminary Remediation Goal
ppm = Parts Per Million
ppb = Parts Per Billion

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Terry Environmental
801 Travelers Blvd.
Suite C
Summerville, SC 29485

Lab Project Number: 9230938
Client Project ID: SSR Laurens 2062-B

Attn: Mr. Jason Terry
Phone: (843)873-8200

Solid results are reported on a dry weight basis

Lab Sample No: 9221137427 Project Sample Number: 9230938-004 Date Collected: 03/06/02 16:57
Client Sample ID: DUKE ENERGY CL Matrix: Soil Date Received: 03/08/02 10:00

Parameters	Results	Units	Report Limit	Dilution	Analyzed	by	CAS No.	Ftnote	Reg Limit
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	11.5	%		0.9	03/11/02	JBK			
GC/MS Semivolatiles									
Semivolatile Organics	Prep/Method: EPA 3550 / EPA 8270								
Acenaphthene	ND	ug/kg	370	1.0	03/17/02 22:53	CMJ	83-32-9		
Acenaphthylene	ND	ug/kg	370	1.0	03/17/02 22:53	CMJ	208-96-8		
Anthracene	ND	ug/kg	370	1.0	03/17/02 22:53	CMJ	120-12-7		
Benzo(a)anthracene	ND	ug/kg	370	1.0	03/17/02 22:53	CMJ	56-55-3		
Benzo(a)pyrene	ND	ug/kg	370	1.0	03/17/02 22:53	CMJ	50-32-8		
Benzo(b)fluoranthene	ND	ug/kg	370	1.0	03/17/02 22:53	CMJ	205-99-2		
Benzo(g,h,i)perylene	ND	ug/kg	370	1.0	03/17/02 22:53	CMJ	191-24-2		
Benzo(k)fluoranthene	ND	ug/kg	370	1.0	03/17/02 22:53	CMJ	207-08-9		
Chrysene	ND	ug/kg	370	1.0	03/17/02 22:53	CMJ	218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	370	1.0	03/17/02 22:53	CMJ	53-70-3		
Fluoranthene	ND	ug/kg	370	1.0	03/17/02 22:53	CMJ	206-44-0		
Fluorene	ND	ug/kg	370	1.0	03/17/02 22:53	CMJ	86-73-7		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	370	1.0	03/17/02 22:53	CMJ	193-39-5		
Naphthalene	ND	ug/kg	370	1.0	03/17/02 22:53	CMJ	91-20-3		
Phenanthrene	ND	ug/kg	370	1.0	03/17/02 22:53	CMJ	85-01-8		
Pyrene	ND	ug/kg	370	1.0	03/17/02 22:53	CMJ	129-00-0		
Nitrobenzene-d5 (S)	56	%		1.0	03/17/02 22:53	CMJ	4165-60-0		
2-Fluorobiphenyl (S)	58	%		1.0	03/17/02 22:53	CMJ	321-60-8		
Terphenyl-d14 (S)	60	%		1.0	03/17/02 22:53	CMJ	1718-51-0		
Phenol-d5 (S)	58	%		1.0	03/17/02 22:53	CMJ	4165-62-2		
2-Fluorophenol (S)	50	%		1.0	03/17/02 22:53	CMJ	367-12-4		
2,4,6-Tribromophenol (S)	63	%		1.0	03/17/02 22:53	CMJ			
Date Extracted					03/11/02				

Date: 03/19/02

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Lab Project Number: 9230938
Client Project ID: SSR Laurens 2062-B

Lab Sample No: 922137427 Project Sample Number: 9230938-004 Date Collected: 03/06/02 16:57
Client Sample ID: DUKE ENERGY CL Matrix: Soil Date Received: 03/08/02 10:00

Parameters	Results	Units	Report Limit	Dilution	Analyzed	by	CAS No.	Ftnote	Reg Limit
GC/MS Volatiles									
GC/MS VOCs 5035/8260 low level	Prep/Method: EPA 8260 / EPA 8260								
Benzene	23.	ug/kg	5.4	0.9	03/15/02 07:28	BCK	71-43-2		
Ethylbenzene	ND	ug/kg	5.4	0.9	03/15/02 07:28	BCK	100-41-4		
Toluene	12.	ug/kg	5.4	0.9	03/15/02 07:28	BCK	108-88-3		
m&p-Xylene	ND	ug/kg	11.	0.9	03/15/02 07:28	BCK			
o-Xylene	ND	ug/kg	5.4	0.9	03/15/02 07:28	BCK	95-47-6		
Toluene-d8 (S)	96	%		1.0	03/15/02 07:28	BCK	2037-26-5		
4-Bromofluorobenzene (S)	83	%		1.0	03/15/02 07:28	BCK	460-00-4		
Dibromofluoromethane (S)	98	%		1.0	03/15/02 07:28	BCK			
1,2-Dichloroethane-d4 (S)	103	%		1.0	03/15/02 07:28	BCK	17060-07-0		

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Terry Environmental
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Suite C
Summerville, SC 29485

Lab Project Number: 9231060
Client Project ID: SSR-Laurens 2062-B

Attn: Mr. Jason Terry
Phone: (843)873-8200

Solid results are reported on a dry weight basis

Lab Sample No: 922146287 Project Sample Number: 9231060-001 Date Collected: 03/12/02 10:30
Client Sample ID: C2 Matrix: Soil Date Received: 03/13/02 09:50

Parameters	Results	Units	Report Limit	Dilution	Analyzed	by	CAS No.	Ftnote	Reg Limit
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	7.3	%		0.9	03/13/02	EEH			
GC/MS Semivolatiles									
Semivolatile Organics	Prep/Method: EPA 3550 / EPA 8270								
Acenaphthene	ND	ug/kg	360	1.0	03/18/02 10:28	RPJ	83-32-9		
Acenaphthylene	ND	ug/kg	360	1.0	03/18/02 10:28	RPJ	208-96-8		
Anthracene	ND	ug/kg	360	1.0	03/18/02 10:28	RPJ	120-12-7		
Benzo(a)anthracene	ND	ug/kg	360	1.0	03/18/02 10:28	RPJ	56-55-3		
Benzo(a)pyrene	ND	ug/kg	360	1.0	03/18/02 10:28	RPJ	50-32-8		
Benzo(b)fluoranthene	ND	ug/kg	360	1.0	03/18/02 10:28	RPJ	205-99-2		
Benzo(g,h,i)perylene	ND	ug/kg	360	1.0	03/18/02 10:28	RPJ	191-24-2		
Benzo(k)fluoranthene	ND	ug/kg	360	1.0	03/18/02 10:28	RPJ	207-08-9		
Chrysene	ND	ug/kg	360	1.0	03/18/02 10:28	RPJ	218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	360	1.0	03/18/02 10:28	RPJ	53-70-3		
Fluoranthene	ND	ug/kg	360	1.0	03/18/02 10:28	RPJ	206-44-0		
Fluorene	ND	ug/kg	360	1.0	03/18/02 10:28	RPJ	86-73-7		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	360	1.0	03/18/02 10:28	RPJ	193-39-5		
Naphthalene	ND	ug/kg	360	1.0	03/18/02 10:28	RPJ	91-20-3		
Phenanthrene	ND	ug/kg	360	1.0	03/18/02 10:28	RPJ	85-01-8		
Pyrene	ND	ug/kg	360	1.0	03/18/02 10:28	RPJ	129-00-0		
Nitrobenzene-d5 (S)	71	%		1.0	03/18/02 10:28	RPJ	4165-60-0		
2-Fluorobiphenyl (S)	78	%		1.0	03/18/02 10:28	RPJ	321-60-8		
Terphenyl-d14 (S)	103	%		1.0	03/18/02 10:28	RPJ	1718-51-0		
Phenol-d5 (S)	70	%		1.0	03/18/02 10:28	RPJ	4165-62-2		
2-Fluorophenol (S)	65	%		1.0	03/18/02 10:28	RPJ	367-12-4		
2,4,6-Tribromophenol (S)	103	%		1.0	03/18/02 10:28	RPJ			
Date Extracted					03/14/02				

Date: 03/19/02

Laboratory Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006

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Laboratory Certification IDs
KY Drinking Water 90090
VA Drinking Water 213
FL NELAP E87627

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Lab Project Number: 9231060
Client Project ID: SSR-Laurens 2052-B

Lab Sample No: 9221465287 Project Sample Number: 9231060-001 Date Collected: 03/12/02 10:30
Client Sample ID: C2 Matrix: Soil Date Received: 03/13/02 09:50

Parameters	Results	Units	Report Limit	Dilution	Analyzed	by	CAS No.	Ftnote	Reg Limit
GC/MS Volatiles									
GC/MS VOCs 5035/8260 low level	Prep/Method: EPA 8260 / EPA 8260								
Benzene	9.4	ug/kg	5.4	1.0	03/15/02 14:40	BCK	71-43-2		
Ethylbenzene	ND	ug/kg	5.4	1.0	03/15/02 14:40	BCK	100-41-4		
Toluene	ND	ug/kg	5.4	1.0	03/15/02 14:40	BCK	108-88-3		
m&p-Xylene	ND	ug/kg	11.	1.0	03/15/02 14:40	BCK			
o-Xylene	ND	ug/kg	5.4	1.0	03/15/02 14:40	BCK	95-47-6		
Toluene-d8 (S)	98	%		1.0	03/15/02 14:40	BCK	2037-26-5		
4-Bromofluorobenzene (S)	93	%		1.0	03/15/02 14:40	BCK	460-00-4		
Dibromofluoromethane (S)	101	%		1.0	03/15/02 14:40	BCK			
1,2-Dichloroethane-d4 (S)	105	%		1.0	03/15/02 14:40	BCK	17060-07-0		

Date: 03/19/02

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Lab Project Number: 9231060
Client Project ID: SSR-Laurens 2062-B

PARAMETER FOOTNOTES

ND Not detected at or above adjusted reporting limit
NC Not Calculable
J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
(S) Surrogate

Date: 03/19/02

Laboratory Certification IDs

NC Wastewater	12
NC Drinking Water	37706
SC	99006

REPORT OF LABORATORY ANALYSIS

Laboratory Certification IDs

KY Drinking Water	90090
VA Drinking Water	213
FL NELAP	E87627

C-3.

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Suite C
Summerville, SC 29485

Lab Project Number: 9231264
Client Project ID: SSr-Laurens 2062-B

Attn: Mr. Jason Terry
Phone: (843)873-8200

Solid results are reported on a dry weight basis

Lab Sample No: 922159280 Project Sample Number: 9231264-001 Date Collected: 03/18/02 16:00
Client Sample ID: C3 Matrix: Soil Date Received: 03/20/02 10:15

Parameters	Results	Units	Report Limit	Dilution	Analyzed	by	CAS No.	Ftnote	Reg Limit
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	9.3	%		0.9	03/20/02	HEH			
GC/MS Semivolatiles									
Semivolatile Organics	Prep/Method: EPA 3550 / EPA 8270								
Acenaphthene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	83-32-9		
Acenaphthylene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	208-96-8		
Anthracene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	120-12-7		
Benzo(a)anthracene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	56-55-3		
Benzo(a)pyrene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	50-32-8		
Benzo(b)fluoranthene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	205-99-2		
Benzo(g,h,i)perylene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	191-24-2		
Benzo(k)fluoranthene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	207-08-9		
Chrysene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	53-70-3		
Fluoranthene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	206-44-0		
Fluorene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	86-73-7		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	193-39-5		
Naphthalene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	91-20-3		
Phenanthrene	390	ug/kg	360	1.0	03/23/02 05:44	RPJ	85-01-8		
Pyrene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	129-00-0		
Nitrobenzene-d5 (S)	74	%		1.0	03/23/02 05:44	RPJ	4165-60-0		
2-Fluorobiphenyl (S)	77	%		1.0	03/23/02 05:44	RPJ	321-60-8		
Terphenyl-d14 (S)	109	%		1.0	03/23/02 05:44	RPJ	1718-51-0		
Phenol-d5 (S)	76	%		1.0	03/23/02 05:44	RPJ	4165-62-2		
2-Fluorophenol (S)	69	%		1.0	03/23/02 05:44	RPJ	367-12-4		
2,4,6-Tribromophenol (S)	84	%		1.0	03/23/02 05:44	RPJ			
Date Extracted					03/21/02				

Date: 03/25/02

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Lab Project Number: 9231264
Client Project ID: SSr-Laurens 2062-B

Lab Sample No: 922159280 Project Sample Number: 9231264-001 Date Collected: 03/18/02 16:00
Client Sample ID: C3 Matrix: Soil Date Received: 03/20/02 10:15

Parameters	Results	Units	Report Limit	Dilution	Analyzed	by	CAS No.	Ftnote	Reg Limit
GC/MS Volatiles									
GC/MS VOCs 5035/8260 low level	Prep/Method: EPA 8260 / EPA 8260								
Benzene	16.	ug/kg	6.2	1.1	03/21/02 22:57	BCK	71-43-2		
Ethylbenzene	ND	ug/kg	6.2	1.1	03/21/02 22:57	BCK	100-41-4		
Toluene	8.4	ug/kg	6.2	1.1	03/21/02 22:57	BCK	108-88-3		
m&p-Xylene	ND	ug/kg	12.	1.1	03/21/02 22:57	BCK			
o-Xylene	ND	ug/kg	6.2	1.1	03/21/02 22:57	BCK	95-47-6		
Toluene-d8 (S)	100	%		1.0	03/21/02 22:57	BCK	2037-26-5		
4-Bromofluorobenzene (S)	95	%		1.0	03/21/02 22:57	BCK	460-00-4		
Dibromofluoromethane (S)	103	%		1.0	03/21/02 22:57	BCK			
1,2-Dichloroethane-d4 (S)	102	%		1.0	03/21/02 22:57	BCK	17060-07-0		

Date: 03/25/02

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Lab Project Number: 9231264
Client Project ID: SSr-Laurens 2062-B

PARAMETER FOOTNOTES

ND Not detected at or above adjusted reporting limit
NC Not Calculable
J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
(S) Surrogate

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Lab Project Number: 9231264
Client Project ID: SSr-Laurens 2062-B

Lab Sample No: 922159280 Project Sample Number: 9231264-001 Date Collected: 03/18/02 16:00
Client Sample ID: C3 Matrix: Soil Date Received: 03/20/02 10:15

Parameters	Results	Units	Report Limit	Dilution	Analyzed	by	CAS No.	Ftnote	Reg Limit
GC/MS Volatiles									
GC/MS VOCs 5035/8260 low level	Prep/Method: EPA 8260 / EPA 8260								
Benzene	16.	ug/kg	6.2	1.1	03/21/02 22:57	BCK	71-43-2		
Ethylbenzene	ND	ug/kg	6.2	1.1	03/21/02 22:57	BCK	100-41-4		
Toluene	8.4	ug/kg	6.2	1.1	03/21/02 22:57	BCK	108-88-3		
m&p-Xylene	ND	ug/kg	12.	1.1	03/21/02 22:57	BCK			
o-Xylene	ND	ug/kg	6.2	1.1	03/21/02 22:57	BCK	95-47-6		
Toluene-d8 (S)	100	%		1.0	03/21/02 22:57	BCK	2037-26-5		
4-Bromofluorobenzene (S)	95	%		1.0	03/21/02 22:57	BCK	460-00-4		
Dibromofluoromethane (S)	103	%		1.0	03/21/02 22:57	BCK			
1,2-Dichloroethane-d4 (S)	102	%		1.0	03/21/02 22:57	BCK	17060-07-0		

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Lab Project Number: 9231264
Client Project ID: SSr-Laurens 2062-B

PARAMETER FOOTNOTES

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
(S)	Surrogate

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Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Terry Environmental
801 Travelers Blvd.
Suite C
Summerville, SC 29485

Lab Project Number: 9231264
Client Project ID: SSr-Laurens 2062-B

Attn: Mr. Jason Terry
Phone: (843)873-8200

Solid results are reported on a dry weight basis

Lab Sample No: 922159280 Project Sample Number: 9231264-001 Date Collected: 03/18/02 16:00
Client Sample ID: C3 Matrix: Soil Date Received: 03/20/02 10:15

Parameters	Results	Units	Report Limit	Dilution	Analyzed	by	CAS No.	Ftnote	Reg Limit
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	9.3	%		0.9	03/20/02	HEH			
GC/MS Semivolatiles									
Semivolatile Organics	Prep/Method: EPA 3550 / EPA 8270								
Acenaphthene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	83-32-9		
Acenaphthylene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	208-96-8		
Anthracene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	120-12-7		
Benzo(a)anthracene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	56-55-3		
Benzo(a)pyrene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	50-32-8		
Benzo(b)fluoranthene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	205-99-2		
Benzo(g,h,i)perylene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	191-24-2		
Benzo(k)fluoranthene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	207-08-9		
Chrysene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	53-70-3		
Fluoranthene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	206-44-0		
Fluorene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	86-73-7		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	193-39-5		
Naphthalene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	91-20-3		
Phenanthrene	390	ug/kg	360	1.0	03/23/02 05:44	RPJ	85-01-8		
Pyrene	ND	ug/kg	360	1.0	03/23/02 05:44	RPJ	129-00-0		
Nitrobenzene-d5 (S)	74	%		1.0	03/23/02 05:44	RPJ	4165-60-0		
2-Fluorobiphenyl (S)	77	%		1.0	03/23/02 05:44	RPJ	321-60-8		
Terphenyl-d14 (S)	109	%		1.0	03/23/02 05:44	RPJ	1718-51-0		
Phenol-d5 (S)	76	%		1.0	03/23/02 05:44	RPJ	4165-62-2		
2-Fluorophenol (S)	69	%		1.0	03/23/02 05:44	RPJ	367-12-4		
2,4,6-Tribromophenol (S)	84	%		1.0	03/23/02 05:44	RPJ			
Date Extracted					03/21/02				

Date: 03/25/02

Total Pages 2

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Fax: 704.875.9091

Terry Environmental
801 Travelers Blvd.
Suite C
Summerville, SC 29485

Lab Project Number: 9231338
Client Project ID: SSR-Laurens/2062-B

Attn: Mr. Jason Terry
Phone: (843)873-8200

Solid results are reported on a dry weight basis

Lab Sample No: 922164108 Project Sample Number: 9231338-001 Date Collected: 03/20/02 17:55
Client Sample ID: C4 Matrix: Soil Date Received: 03/22/02 09:50

Parameters	Results	Units	Report Limit	Dilution	Analyzed	by	CAS No.	Ftnote	Reg Lim
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	5.4	%		0.9	03/22/02	HEH			
GC/MS Semivolatiles									
Semivolatile Organics	Prep/Method: EPA 3550 / EPA 8270								
Acenaphthene	ND	ug/kg	350	1.0	03/25/02 10:21	RPJ	83-32-9		
Acenaphthylene	ND	ug/kg	350	1.0	03/25/02 10:21	RPJ	208-96-8		
Anthracene	ND	ug/kg	350	1.0	03/25/02 10:21	RPJ	120-12-7		
Benzo(a)anthracene	360	ug/kg	350	1.0	03/25/02 10:21	RPJ	56-55-3		
Benzo(a)pyrene	ND	ug/kg	350	1.0	03/25/02 10:21	RPJ	50-32-8		
Benzo(b)fluoranthene	490	ug/kg	350	1.0	03/25/02 10:21	RPJ	205-99-2		
Benzo(g,h,i)perylene	ND	ug/kg	350	1.0	03/25/02 10:21	RPJ	191-24-2		
Benzo(k)fluoranthene	380	ug/kg	350	1.0	03/25/02 10:21	RPJ	207-08-9		
Chrysene	490	ug/kg	350	1.0	03/25/02 10:21	RPJ	218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	350	1.0	03/25/02 10:21	RPJ	53-70-3		
Fluoranthene	820	ug/kg	350	1.0	03/25/02 10:21	RPJ	206-44-0		
Fluorene	ND	ug/kg	350	1.0	03/25/02 10:21	RPJ	86-73-7		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	350	1.0	03/25/02 10:21	RPJ	193-39-5		
Naphthalene	ND	ug/kg	350	1.0	03/25/02 10:21	RPJ	91-20-3		
Phenanthrene	850	ug/kg	350	1.0	03/25/02 10:21	RPJ	85-01-8		
Pyrene	650	ug/kg	350	1.0	03/25/02 10:21	RPJ	129-00-0		
Nitrobenzene-d5 (S)	43	%		1.0	03/25/02 10:21	RPJ	4165-60-0		
2-Fluorobiphenyl (S)	46	%		1.0	03/25/02 10:21	RPJ	321-60-8		
Terphenyl-d14 (S)	58	%		1.0	03/25/02 10:21	RPJ	1718-51-0		
Phenol-d5 (S)	41	%		1.0	03/25/02 10:21	RPJ	4165-62-2		
2-Fluorophenol (S)	37	%		1.0	03/25/02 10:21	RPJ	367-12-4		
2,4,6-Tribromophenol (S)	57	%		1.0	03/25/02 10:21	RPJ			
Date Extracted					03/22/02				

Date: 03/27/02

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Lab Project Number: 9231338
Client Project ID: SSR-Laurens/2062-B

Lab Sample No: 922164108 Project Sample Number: 9231338-001 Date Collected: 03/20/02 17:55
Client Sample ID: C4 Matrix: Soil Date Received: 03/22/02 09:50

Parameters	Results	Units	Report Limit	Dilution	Analyzed	by	CAS No.	Ftnote	Reg Limi
GC/MS Volatiles									
GC/MS VOCs 5035/8260 low level	Prep/Method: EPA 8260 / EPA 8260								
Benzene	5.3	ug/kg	5.3	1.0	03/25/02 22:52	RWS	71-43-2		
Ethylbenzene	ND	ug/kg	5.3	1.0	03/25/02 22:52	RWS	100-41-4		
Toluene	ND	ug/kg	5.3	1.0	03/25/02 22:52	RWS	108-88-3		
m&p-Xylene	ND	ug/kg	11.	1.0	03/25/02 22:52	RWS			
o-Xylene	ND	ug/kg	5.3	1.0	03/25/02 22:52	RWS	95-47-6		
Toluene-d8 (S)	94	%		1.0	03/25/02 22:52	RWS	2037-26-5		
4-Bromofluorobenzene (S)	81	%		1.0	03/25/02 22:52	RWS	460-00-4		
Dibromofluoromethane (S)	80	%		1.0	03/25/02 22:52	RWS			
1,2-Dichloroethane-d4 (S)	64	%		1.0	03/25/02 22:52	RWS	17060-07-0	1	

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Fax: 704.875.9091

Terry Environmental
801 Travelers Blvd.
Suite C
Summerville, SC 29485

Lab Project Number: 9231459
Client Project ID: SSR-Laurens/2062-B

Attn: Mr. Jason Terry
Phone: (843)873-8200

Solid results are reported on a dry weight basis

Lab Sample No: 922171962 Project Sample Number: 9231459-001 Date Collected: 03/26/02 15:00
Client Sample ID: C6 Matrix: Soil Date Received: 03/27/02 10:25

Parameters	Results	Units	Report Limit	Dilution	Analyzed	by	CAS No.	Ftnote	Reg Limit
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	11.1	%		0.9	03/27/02	CDE			
GC/MS Semivolatiles									
Semivolatile Organics	Prep/Method: EPA 3550 / EPA 8270								
Acenaphthene	ND	ug/kg	370	1.0	03/30/02 16:16	CWA	83-32-9		
Acenaphthylene	ND	ug/kg	370	1.0	03/30/02 16:16	CWA	208-96-8		
Anthracene	ND	ug/kg	370	1.0	03/30/02 16:16	CWA	120-12-7		
Benzo(a)anthracene	440	ug/kg	370	1.0	03/30/02 16:16	CWA	56-55-3		
Benzo(a)pyrene	ND	ug/kg	370	1.0	03/30/02 16:16	CWA	50-32-8		
Benzo(b)fluoranthene	440	ug/kg	370	1.0	03/30/02 16:16	CWA	205-99-2		
Benzo(g,h,i)perylene	510	ug/kg	370	1.0	03/30/02 16:16	CWA	191-24-2		
Benzo(k)fluoranthene	480	ug/kg	370	1.0	03/30/02 16:16	CWA	207-08-9		
Chrysene	630	ug/kg	370	1.0	03/30/02 16:16	CWA	218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	370	1.0	03/30/02 16:16	CWA	53-70-3		
Fluoranthene	520	ug/kg	370	1.0	03/30/02 16:16	CWA	206-44-0		
Fluorene	ND	ug/kg	370	1.0	03/30/02 16:16	CWA	86-73-7		
Indeno(1,2,3-cd)pyrene	440	ug/kg	370	1.0	03/30/02 16:16	CWA	193-39-5		
Naphthalene	370	ug/kg	370	1.0	03/30/02 16:16	CWA	91-20-3		
Phenanthrene	770	ug/kg	370	1.0	03/30/02 16:16	CWA	85-01-8		
Pyrene	730	ug/kg	370	1.0	03/30/02 16:16	CWA	129-00-0		
Nitrobenzene-d5 (S)	76	%		1.0	03/30/02 16:16	CWA	4165-60-0		
2-Fluorobiphenyl (S)	79	%		1.0	03/30/02 16:16	CWA	321-60-8		
Terphenyl-d14 (S)	109	%		1.0	03/30/02 16:16	CWA	1718-51-0		
Phenol-d5 (S)	75	%		1.0	03/30/02 16:16	CWA	4165-62-2		
2-Fluorophenol (S)	75	%		1.0	03/30/02 16:16	CWA	367-12-4		
2,4,6-Tribromophenol (S)	90	%		1.0	03/30/02 16:16	CWA			
Date Extracted					03/27/02				

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REPORT OF ANALYSIS

April 10,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

Date Received : April 06, 2002
Description : SSR - Laurens
Sample ID : C 7
Collected By : David Robinson
Collection Date : 04/05/02 15:30

ESC Sample # : L73712-01
ESC Key : TERENVS-2062B
Site ID :
Project # : 2062B

PPM to PPB add 100C

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	82.5	PPM	%	2540G	04/06/02	1
Benzene	0.011	0.0012 =1.2 PPB	mg/kg	8260B	04/07/02	1
Toluene	BDL	0.0060	mg/kg	8260B	04/07/02	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	04/07/02	1
Total Xylenes	BDL	0.0036	mg/kg	8260B	04/07/02	1
Surrogate Recovery						
Toluene-d8	77.		% Rec.	8260B	04/07/02	1
Dibromofluoromethane	110		% Rec.	8260B	04/07/02	1
4-Bromofluorobenzene	49.		% Rec.	8260B	04/07/02	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.40	mg/kg	8270C	04/09/02	1
Acenaphthene	BDL	0.40	mg/kg	8270C	04/09/02	1
Acenaphthylene	BDL	0.40	mg/kg	8270C	04/09/02	1
Benzo(a)anthracene	BDL	0.40	mg/kg	8270C	04/09/02	1
Benzo(a)pyrene	BDL	0.40	mg/kg	8270C	04/09/02	1
Benzo(b)fluoranthene	BDL	0.40	mg/kg	8270C	04/09/02	1
Benzo(g,h,i)perylene	BDL	0.40	mg/kg	8270C	04/09/02	1
Benzo(k)fluoranthene	BDL	0.40	mg/kg	8270C	04/09/02	1
Chrysene	BDL	0.40	mg/kg	8270C	04/09/02	1
Dibenz(a,h)anthracene	BDL	0.40	mg/kg	8270C	04/09/02	1
Fluoranthene	BDL	0.40	mg/kg	8270C	04/09/02	1
Fluorene	BDL	0.40	mg/kg	8270C	04/09/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.40	mg/kg	8270C	04/09/02	1
Naphthalene	BDL	0.40	mg/kg	8270C	04/09/02	1
Phenanthrene	0.54	0.40	mg/kg	8270C	04/09/02	1
Pyrene	BDL	0.40	mg/kg	8270C	04/09/02	1
Surrogate Recovery						
Nitrobenzene-d5	62.		% Rec.	8270C	04/09/02	1
2-Fluorobiphenyl	74.		% Rec.	8270C	04/09/02	1
p-Terphenyl-d14	81.		% Rec.	8270C	04/09/02	1

ug/Kg = PPB
mg/Kg = PPM

To convert PPM to PPB add 1000

Terrie Fudge, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E07487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:

The reported analytical results relate only to the sample submitted

.0012 PPM

0012 PPB

C9

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REPORT OF ANALYSIS

April 10,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

Date Received : April 05, 2002
Description : SSR - Laurens
Sample ID : C9
Collected By :
Collection Date : 04/04/02 13:30

ESC Sample # : L73568-01
ESC Key : TERENVS-2062B
Site ID :
Project # : 2062B

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	82.0		%	2540G	04/06/02	1
Benzene	BDL	0.061	mg/kg	8260B	04/09/02	50
Toluene	BDL	0.30	mg/kg	8260B	04/09/02	50
Ethylbenzene	BDL	0.061	mg/kg	8260B	04/09/02	50
Total Xylenes	BDL	0.18	mg/kg	8260B	04/09/02	50
Surrogate Recovery						
Toluene-d8	97.		% Rec.	8260B	04/09/02	50
Dibromofluoromethane	89.		% Rec.	8260B	04/09/02	50
4-Bromofluorobenzene	94.		% Rec.	8260B	04/09/02	50
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.40	mg/kg	8270C	04/10/02	1
Acenaphthene	BDL	0.40	mg/kg	8270C	04/10/02	1
Acenaphthylene	BDL	0.40	mg/kg	8270C	04/10/02	1
Benzo(a)anthracene	BDL	0.40	mg/kg	8270C	04/10/02	1
Benzo(a)pyrene	BDL	0.40	mg/kg	8270C	04/10/02	1
Benzo(b)fluoranthene	0.41	0.40	mg/kg	8270C	04/10/02	1
Benzo(g,h,i)perylene	BDL	0.40	mg/kg	8270C	04/10/02	1
Benzo(k)fluoranthene	BDL	0.40	mg/kg	8270C	04/10/02	1
Chrysene	BDL	0.40	mg/kg	8270C	04/10/02	1
Dibenz(a,h)anthracene	BDL	0.40	mg/kg	8270C	04/10/02	1
Fluoranthene	0.49	0.40	mg/kg	8270C	04/10/02	1
Fluorene	BDL	0.40	mg/kg	8270C	04/10/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.40	mg/kg	8270C	04/10/02	1
Naphthalene	BDL	0.40	mg/kg	8270C	04/10/02	1
Phenanthrene	0.66	0.40	mg/kg	8270C	04/10/02	1
Pyrene	BDL	0.40	mg/kg	8270C	04/10/02	1
Surrogate Recovery						
Nitrobenzene-d5	58.		% Rec.	8270C	04/10/02	1
2-Fluorobiphenyl	56.		% Rec.	8270C	04/10/02	1
p-Terphenyl-d14	80.		% Rec.	8270C	04/10/02	1

Terrie Fudge, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
AZLA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

C-11

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

April 23,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

Date Received : April 20, 2002
Description : SSR - Laurens
Sample ID : C-11
Collected By :
Collection Date : 04/19/02 10:00

ESC Sample # : L75179-01
ESC Key : TERENVS-20628
Site ID :
Project # . 20628

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	78.4		%	2540G	04/20/02	1
Benzene	0.018	0.0014	mg/kg	8260B	04/22/02	1.14
Toluene	0.010	0.0073	mg/kg	8260B	04/22/02	1.14
Ethylbenzene	0.0016	0.0014	mg/kg	8260B	04/22/02	1.14
Total Xylenes	0.0065	0.0044	mg/kg	8260B	04/22/02	1.14
Surrogate Recovery						
Toluene-d8	85.		% Rec.	8260B	04/22/02	1.14
Dibromofluoromethane	110		% Rec.	8260B	04/22/02	1.14
4-Bromofluorobenzene	39.		% Rec.	8260B	04/22/02	1.14
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.42	mg/kg	8270C	04/23/02	1
Acenaphthene	BDL	0.42	mg/kg	8270C	04/23/02	1
Acenaphthylene	BDL	0.42	mg/kg	8270C	04/23/02	1
Benzo(a)anthracene	BDL	0.42	mg/kg	8270C	04/23/02	1
Benzo(a)pyrene	BDL	0.42	mg/kg	8270C	04/23/02	1
Benzo(b)fluoranthene	BDL	0.42	mg/kg	8270C	04/23/02	1
Benzo(g,h,i)perylene	BDL	0.42	mg/kg	8270C	04/23/02	1
Benzo(k)fluoranthene	BDL	0.42	mg/kg	8270C	04/23/02	1
Chrysene	BDL	0.42	mg/kg	8270C	04/23/02	1
Dibenz(a,h)anthracene	BDL	0.42	mg/kg	8270C	04/23/02	1
Fluoranthene	0.50	0.42	mg/kg	8270C	04/23/02	1
Fluorene	BDL	0.42	mg/kg	8270C	04/23/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.42	mg/kg	8270C	04/23/02	1
Naphthalene	0.49	0.42	mg/kg	8270C	04/23/02	1
Phenanthrene	0.91	0.42	mg/kg	8270C	04/23/02	1
Pyrene	BDL	0.42	mg/kg	8270C	04/23/02	1
Surrogate Recovery						
Nitrobenzene-d5	43.		% Rec.	8270C	04/23/02	1
2-Fluorobiphenyl	50.		% Rec.	8270C	04/23/02	1
p-Terphenyl-d14	47.		% Rec.	8270C	04/23/02	1

Terrie Fudge, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

C-12

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

April 23,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L75179-02
ESC Key : TERENVS-2062B
Site ID :
Project # : 2062B

Date Received : April 20, 2002
Description : SSR - Laurens
Sample ID : C-12
Collected By : Steven Clontz
Collection Date : 04/19/02 10:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	87.0		%	2540G	04/20/02	1
Benzene	0.015	0.0013	mg/kg	8260B	04/22/02	1.11
Toluene	0.0084	0.0064	mg/kg	8260B	04/22/02	1.11
Ethylbenzene	0.0014	0.0013	mg/kg	8260B	04/22/02	1.11
Total Xylenes	0.0052	0.0038	mg/kg	8260B	04/22/02	1.11
Surrogate Recovery						
Toluene-d8	84.		% Rec.	8260B	04/22/02	1.11
Dibromofluoromethane	100		% Rec.	8260B	04/22/02	1.11
4-Bromofluorobenzene	36.		% Rec.	8260B	04/22/02	1.11
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.38	mg/kg	8270C	04/23/02	1
Acenaphthene	BDL	0.38	mg/kg	8270C	04/23/02	1
Acenaphthylene	BDL	0.38	mg/kg	8270C	04/23/02	1
Benzo(a)anthracene	BDL	0.38	mg/kg	8270C	04/23/02	1
Benzo(a)pyrene	BDL	0.38	mg/kg	8270C	04/23/02	1
Benzo(b)fluoranthene	0.60	0.38	mg/kg	8270C	04/23/02	1
Benzo(g,h,i)perylene	BDL	0.38	mg/kg	8270C	04/23/02	1
Benzo(k)fluoranthene	BDL	0.38	mg/kg	8270C	04/23/02	1
Chrysene	0.49	0.38	mg/kg	8270C	04/23/02	1
Dibenz(a,h)anthracene	BDL	0.38	mg/kg	8270C	04/23/02	1
Fluoranthene	0.99	0.38	mg/kg	8270C	04/23/02	1
Fluorene	BDL	0.38	mg/kg	8270C	04/23/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.38	mg/kg	8270C	04/23/02	1
Naphthalene	0.81	0.38	mg/kg	8270C	04/23/02	1
Phenanthrene	1.9	0.38	mg/kg	8270C	04/23/02	1
Pyrene	0.67	0.38	mg/kg	8270C	04/23/02	1
Surrogate Recovery						
Nitrobenzene-d5	47.		% Rec.	8270C	04/23/02	1
2-Fluorobiphenyl	53.		% Rec.	8270C	04/23/02	1
p-Terphenyl-d14	64.		% Rec.	8270C	04/23/02	1

Terrie Judge, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, GA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:
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The reported analytical results relate only to the sample submitted

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Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I D 62-0814289

Est 1970

REPORT OF ANALYSIS

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

April 30,2002

Date Received : April 25, 2002
Description : SSR - Laurens
Sample ID : C-13
Collected By : David Robinson
Collection Date : 04/22/02 12:00

ESC Sample # : L25625-01
ESC Key : TERENVS-2062B
Site ID :
Project # : 2062B

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	85.0		%	2540G	04/26/02	1
Benzene	BDL	0.0059	mg/kg	8260B	04/29/02	5
Toluene	BDL	0.029	mg/kg	8260B	04/29/02	5
Ethylbenzene	BDL	0.0059	mg/kg	8260B	04/29/02	5
Total Xylenes	BDL	0.018	mg/kg	8260B	04/29/02	5
Surrogate Recovery						
Toluene-d8	88.		% Rec.	8260B	04/29/02	5
Dibromofluoromethane	87.		% Rec.	8260B	04/29/02	5
4-Bromofluorobenzene	64.		% Rec.	8260B	04/29/02	5
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.39	mg/kg	8270C	04/26/02	1
Acenaphthene	BDL	0.39	mg/kg	8270C	04/26/02	1
Acenaphthylene	BDL	0.39	mg/kg	8270C	04/26/02	1
Benzo(a)anthracene	BDL	0.39	mg/kg	8270C	04/26/02	1
Benzo(a)pyrene	BDL	0.39	mg/kg	8270C	04/26/02	1
Benzo(b)fluoranthene	BDL	0.39	mg/kg	8270C	04/26/02	1
Benzo(g,h,i)perylene	BDL	0.39	mg/kg	8270C	04/26/02	1
Benzo(k)fluoranthene	BDL	0.39	mg/kg	8270C	04/26/02	1
Chrysene	BDL	0.39	mg/kg	8270C	04/26/02	1
Dibenz(a,h)anthracene	BDL	0.39	mg/kg	8270C	04/26/02	1
Fluoranthene	BDL	0.39	mg/kg	8270C	04/26/02	1
Fluorene	BDL	0.39	mg/kg	8270C	04/26/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.39	mg/kg	8270C	04/26/02	1
Naphthalene	0.70	0.39	mg/kg	8270C	04/26/02	1
Phenanthrene	1.8	0.39	mg/kg	8270C	04/26/02	1
Pyrene	BDL	0.39	mg/kg	8270C	04/26/02	1
Surrogate Recovery						
Nitrobenzene-d5	61.		% Rec.	8270C	04/26/02	1
2-Fluorobiphenyl	76.		% Rec	8270C	04/26/02	1
p-Terphenyl-d14	75.		% Rec.	8270C	04/26/02	1

Terrie Fudge, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461.01, AIHA - 100789, AL - 40660, CA - 1 2927, CT- PH-0197, FL - E87487, GA 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L75625-01	Benzene	H
	Toluene	H
	Ethylbenzene	H
	Total Xylenes	H
	4-Bromofluorobenzene	J2

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
H	RIN(EPA)-Re-Analyzed: The indicated analytical results were generated from a reinjection of the same sample extract or aliquot.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

C-15

Soil Class: Class 3

Project #: 2001222

Sample #: C15-2

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571

Waste Approval Code Number

NON-HAZARDOUS WASTE PROFILE SHEET

GENERATOR INFORMATION

Generator Name: DUKE ENERGY
Phone: 704-373-7898 Contact/Title: MARK MCGARY
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: BULK

AGENT FOR GENERATOR INFORMATION (if applicable)

Agent for Generator: ENERGY DELIVERY SERVICES, INC.
Phone: 704-373-7898 Contact/Title: MARK MCGARY, MANAGER
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: BULK

WASTE DESCRIPTION

SOILS FROM MANUFACTURED GAS PLANT SITE

Process of Waste Generation: STANDARD OPERATIONS OF MGP SITE

WASTE CONSTITUENTS:

Laboratory Name	ENVIRONMENTAL SCIENCE CORPORATION				
Laboratory Address	12065 LEBANON ROAD; MT JULIET, TN 37122				
Laboratory Certification No.	84004				
Laboratory Sample No.	L79628-01				
	Total (ppm)	**TCLP (ppm) as requested**		**Total (ppm)**	**TCLP (ppm) as requested**
Arsenic	2.8	n/a	**PCB**	n/a	XXXXXXXXX
Barium	78	n/a	**TPH**	n/a	XXXXXXXXX
Cadmium	<0.30	n/a	**BTEX**	0.034	XXXXXXXXX
Chromium	14	n/a	**Benzene**	0.034	n/a
Lead	92	n/a	**TOX**	n/a	XXXXXXXXX
Mercury	<0.024	n/a	**Total PAH's**	0.573	XXXXXXXXX
Selenium	0.79	n/a	**Carc PAH's***	<0.039	XXXXXXXXX
Silver	<0.30	n/a			

* Carcinogenic PAH's as Benzo(a)Pyrene

By signing this profile sheet I certify that,
1.) I am the generator of the waste described on this sheet.
2.) This waste is not a regulated hazardous waste as defined by the EPA or by applicable ordinances of SC.
3.) This sheet and its attachments contain true and accurate descriptions of the waste.
4.) Any laboratory data used to support the validity of the data shown on this sheet has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, Test Methods for Evaluating Solid Waste, of exactly the same waste that I will deliver to SSR, Inc. for treatment.
5.) I certify that the laboratory results listing lab name, report date, and sample ID# are attached as support to the data certified on this application.
6.) The Laboratory Name, Address, and Certification Number are provided above in the Waste Constituents section.

Signature _____ Date: _____

Print Name, Title & Employer: _____

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571

Soil Class: Class 3

Project #: [illegible]

Sample #: C15-2

TREATMENT LEVEL VERIFICATION AND END USE NOTIFICATION FORM

TO: DUKE ENERGY PROJECT MANAGER

FROM: SSR LAURENS PLANT OPERATOR

RE: TREATMENT OF SOIL AND ACCEPTABLE END USE

THE FOLLOWING SOIL BATCH WAS TREATED TO THE APPROPRIATE TREATMENT STANDARDS AS REQUIRED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC) BUREAU OF LAND AND WASTE MANAGEMENT (BLWM) SOLID WASTE PERMIT NUMBER **#302715-8001**. THE ACCEPTABLE END USE OF THE SOILS IS AS INDICATED BELOW:

WASTE BATCH NUMBER (C3-project number-Cxxxxxx)	C3-2001222-C15-2
SAMPLE NUMBER FOR TREATMENT VERIFICATION (same as Waste Batch Number)	C3-2001222-C15-2
TREATMENT RESULTS (PASS/FAIL)	(PASS) ~~FAIL~~
APPROXIMATE TONNAGE	1000
END USE APPROVED BASED ON ANALYTICAL RESULTS	~~RESTRICTED~~ (UNRESTRICTED)

Signature: Bobby K Perritt Date: 6/20/02

Print Name, Title & Employer: Bobby K Perritt, VP, SSR

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

June 11,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

Date Received : June 06, 2002
Description : Soil - SSR - Laurens Changed from FT to IN 6/7 JE
Sample ID : C15-2 6 IN
Collected By :
Collection Date : 06/05/02 15:45

ESC Sample # : L79628-01
ESC Key : TERENVS-20628
Site ID :
Project # : 20628

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	84.1		%	2540G	06/07/02	1
Benzene	0.034	0.0013	mg/kg	8260B	06/08/02	1.12
Toluene	BDL	0.0066	mg/kg	8260B	06/08/02	1.12
Ethylbenzene	BDL	0.0013	mg/kg	8260B	06/08/02	1.12
Total Xylenes	BDL	0.0040	mg/kg	8260B	06/08/02	1.12
Surrogate Recovery						
Toluene-d8	75.		% Rec.	8260B	06/08/02	1.12
Dibromofluoromethane	100		% Rec.	8260B	06/08/02	1.12
4-Bromofluorobenzene	28.		% Rec.	8260B	06/08/02	1.12
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.039	mg/kg	8270C	06/07/02	1
Acenaphthene	BDL	0.039	mg/kg	8270C	06/07/02	1
Acenaphthylene	BDL	0.039	mg/kg	8270C	06/07/02	1
Benzo(a)anthracene	BDL	0.039	mg/kg	8270C	06/07/02	1
Benzo(a)pyrene	BDL	0.039	mg/kg	8270C	06/07/02	1
Benzo(b)fluoranthene	0.057	0.039	mg/kg	8270C	06/07/02	1
Benzo(g,h,i)perylene	BDL	0.039	mg/kg	8270C	06/07/02	1
Benzo(k)fluoranthene	BDL	0.039	mg/kg	8270C	06/07/02	1
Chrysene	0.040	0.039	mg/kg	8270C	06/07/02	1
Dibenz(a,h)anthracene	BDL	0.039	mg/kg	8270C	06/07/02	1
Fluoranthene	0.082	0.039	mg/kg	8270C	06/07/02	1
Fluorene	BDL	0.039	mg/kg	8270C	06/07/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.039	mg/kg	8270C	06/07/02	1
Naphthalene	0.20	0.039	mg/kg	8270C	06/07/02	1
Phenanthrene	0.14	0.039	mg/kg	8270C	06/07/02	1
Pyrene	0.054	0.039	mg/kg	8270C	06/07/02	1
Surrogate Recovery						
Nitrobenzene-d5	62.		% Rec.	8270C	06/07/02	1
2-Fluorobiphenyl	72.		% Rec.	8270C	06/07/02	1
p-Terphenyl-d14	73.		% Rec.	8270C	06/07/02	1

Terrie Fudge ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:
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The reported analytical results relate only to the sample submitted
L79628-01 (V8260BTEX) - Previous run also had low IS/SURR recovery. Matrix effect.

C-16

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571

Soil Class: Class 3

Project #: 2001222

Sample #: C16-2

Waste Approval Code Number

NON-HAZARDOUS WASTE PROFILE SHEET

GENERATOR INFORMATION

Generator Name: DUKE ENERGY
Phone: 704-373-7898 Contact/Title: MARK MCGARY
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: BULK

AGENT FOR GENERATOR INFORMATION (if applicable)

Agent for Generator: ENERGY DELIVERY SERVICES, INC.
Phone: 704-373-7898 Contact/Title: MARK MCGARY, MANAGER
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: BULK

WASTE DESCRIPTION

SOILS FROM MANUFACTURED GAS PLANT SITE

Process of Waste Generation: STANDARD OPERATIONS OF MGP SITE

WASTE CONSTITUENTS:

Laboratory Name	ENVIRONMENTAL SCIENCE CORPORATION				
Laboratory Address	12065 LEBANON ROAD; MT JULIET, TN 37122				
Laboratory Certification No.	84004				
Laboratory Sample No.	L79628-02				
	Total (ppm)	**TCLP (ppm) as requested**		**Total (ppm)**	**TCLP (ppm) as requested**
Arsenic	4.0	n/a	**PCB**	n/a	XXXXXXXXX
Barium	82	n/a	**TPH**	n/a	XXXXXXXXX
Cadmium	<0.30	n/a	**BTEX**	BDL	XXXXXXXXX
Chromium	14	n/a	**Benzene**	<0.067	n/a
Lead	100	n/a	**TOX**	n/a	XXXXXXXXX
Mercury	<0.024	n/a	**Total PAH's**	0.685	XXXXXXXXX
Selenium	<0.61	n/a	**Carc PAH's***	<0.040	XXXXXXXXX
Silver	<0.30	n/a			

* Carcinogenic PAH's as Benzo(a)Pyrene

By signing this profile sheet I certify that:
1.) I am the generator of the waste described on this sheet.
2.) This waste is not a regulated hazardous waste as defined by the EPA or by applicable ordinances of SC.
3.) This sheet and its attachments contain true and accurate descriptions of the waste.
4.) Any laboratory data used to support the validity of the data shown on this sheet has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, Test Methods for Evaluating Solid Waste, of exactly the same waste that I will deliver to SSR, Inc. for treatment.
5.) I certify that the laboratory results listing lab name, report date, and sample ID# are attached as support to the data certified on this application.
6.) The Laboratory Name, Address, and Certification Number are provided above in the Waste Constituents section.

Signature _____ Date: _____

Print Name, Title & Employer: _____

Soil Class: Class 3

Project #: 2001222

Sample #: C16-2

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571

TREATMENT LEVEL VERIFICATION AND END USE NOTIFICATION FORM

TO: DUKE ENERGY PROJECT MANAGER

FROM: SSR LAURENS PLANT OPERATOR

RE: TREATMENT OF SOIL AND ACCEPTABLE END USE

THE FOLLOWING SOIL BATCH WAS TREATED TO THE APPROPRIATE TREATMENT STANDARDS AS REQUIRED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC) BUREAU OF LAND AND WASTE MANAGEMENT (BLWM) SOLID WASTE PERMIT NUMBER **#302715-8001**. THE ACCEPTABLE END USE OF THE SOILS IS AS INDICATED BELOW:

WASTE BATCH NUMBER (C3-project number-Cxxxxxx)	C3-2001222-C16-2
SAMPLE NUMBER FOR TREATMENT VERIFICATION (same as Waste Batch Number)	C3-2001222-C16-2
TREATMENT RESULTS (PASS/FAIL)	(PASS) ~~FAIL~~
APPROXIMATE TONNAGE	1000
END USE APPROVED BASED ON ANALYTICAL RESULTS	~~RESTRICTED~~ (UNRESTRICTED)

Signature: Bobby K. Pruett Date: 6/20/02

Print Name, Title & Employer: Bobby K. Pruett VP, SSR

ENVIRONMENTAL SCIENCE CORP.

12066 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

June 11,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L79628-02
ESC Key : TERENVS-20628
Site ID :
Project # : 2062B

Date Received : June 06, 2002
Description : Soil - SSR - Laurens Changed from FT to IN 6/7 JE
Sample ID : C16-2 6 IN
Collected By : Steven Clontz
Collection Date : 06/05/02 14:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	82.4		%	2540G	06/07/02	1
Benzene	0.035	0.0015	mg/kg	8260B	06/08/02	1.22
Toluene	BDL	0.0074	mg/kg	8260B	06/08/02	1.22
Ethylbenzene	BDL	0.0015	mg/kg	8260B	06/08/02	1.22
Total Xylenes	BDL	0.0044	mg/kg	8260B	06/08/02	1.22
Surrogate Recovery						
Toluene-d8	78.		% Rec.	8260B	06/08/02	1.22
Dibromofluoromethane	98.		% Rec.	8260B	06/08/02	1.22
4-Bromofluorobenzene	30.		% Rec.	8260B	06/08/02	1.22
Polynuclear Aromatic Hydrocarbons						
Anthracene	0.041	0.040	mg/kg	8270C	06/07/02	1
Acenaphthene	BDL	0.040	mg/kg	8270C	06/07/02	1
Acenaphthylene	BDL	0.040	mg/kg	8270C	06/07/02	1
Benzo(a)anthracene	0.050	0.040	mg/kg	8270C	06/07/02	1
Benzo(a)pyrene	BDL	0.040	mg/kg	8270C	06/07/02	1
Benzo(b)fluoranthene	0.066	0.040	mg/kg	8270C	06/07/02	1
Benzo(g,h,i)perylene	BDL	0.040	mg/kg	8270C	06/07/02	1
Benzo(k)fluoranthene	BDL	0.040	mg/kg	8270C	06/07/02	1
Chrysene	0.059	0.040	mg/kg	8270C	06/07/02	1
Dibenz(a,h)anthracene	BDL	0.040	mg/kg	8270C	06/07/02	1
Fluoranthene	0.12	0.040	mg/kg	8270C	06/07/02	1
Fluorene	BDL	0.040	mg/kg	8270C	06/07/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.040	mg/kg	8270C	06/07/02	1
Naphthalene	0.097	0.040	mg/kg	8270C	06/07/02	1
Phenanthrene	0.17	0.040	mg/kg	8270C	06/07/02	1
Pyrene	0.082	0.040	mg/kg	8270C	06/07/02	1
Surrogate Recovery						
Nitrobenzene-d5	49.		% Rec	8270C	06/07/02	1
2-Fluorobiphenyl	56.		% Rec.	8270C	06/07/02	1
p-Terphenyl-d14	63.		% Rec.	8270C	06/07/02	1

Terrie Fudge ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

July 08, 2002

Date Received : June 26, 2002
Description : SSR - Laurens
Sample ID : C 17
Collected By : Steven Clontz
Collection Date : 06/25/02 08:00

ESC Sample # : L82221-01
ESC Key : TERENVS-2062B
Site ID :
Project # : 2062B

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
SPLP Extraction	-			1312	07/05/02	1
Benzene	BDL	1.0	ug/l	8260B	07/07/02	1
Toluene	BDL	5.0	ug/l	8260B	07/07/02	1
Ethylbenzene	13.	1.0	ug/l	8260B	07/07/02	1
Total Xylenes	100	3.0	ug/l	8260B	07/07/02	1
Surrogate Recovery						
Toluene-d8	97.		% Rec.	8260B	07/07/02	1
Dibromofluoromethane	98.		% Rec.	8260B	07/07/02	1
4-Bromofluorobenzene	93.		% Rec.	8260B	07/07/02	1

Terrie Fudge, ESC Representative

BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:
The reported analytical results relate only to the sample submitted.

Summary of Remarks For Samples Printed
07/08/02 at 15:29:34

TSR Signing Reports: 064

send invoice w/ report tf 1/4/01

Sample: L82221-01 Account: TERENVS Received: 06/26/02 10:00 Due Date: 07/03/02 00:00
Extract for BTEX, also Client needs a detection limit of .005 mg/l for Benzene, Toluene, and Ethylbenzene. Relogged from L81555 jg-7/2 Added V8260BTEX jg-7/8

Soil Class: Class 1 – Class 2 – Class 3

Project #: 2001222

Sample #: C18

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571

Waste Approval Code Number

NON-HAZARDOUS WASTE PROFILE SHEET

GENERATOR INFORMATION

Generator Name: DUKE ENERGY
Phone: 704-373-7898 Contact/Title: MARK MCGARY
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

AGENT FOR GENERATOR INFORMATION (if applicable)

Agent for Generator: ENERGY DELIVERY SERVICES, INC.
Phone: 704-373-7898 Contact/Title: MARK MCGARY, MANAGER
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

WASTE DESCRIPTION

SOILS FROM MANUFACTURED GAS PLANT SITE

Process of Waste Generation: STANDARD OPERATIONS OF MGP SITE

WASTE CONSTITUENTS:

Laboratory Name	ENVIRONMENTAL SCIENCE CORPORATION				
Laboratory Address	12065 LEBANON ROAD; MT JULIET, TN 37122				
Laboratory Certification No.	84004				
Laboratory Sample No.	L82256-01				
	Total (ppm)	**TCLP (ppm) as requested**		**Total (ppm)**	**TCLP (ppm) as requested**
Arsenic	n/a	n/a	**PCB**	n/a	XXXXXXXXX
Barium	n/a	n/a	**TPH**	n/a	XXXXXXXXX
Cadmium	n/a	n/a	**BTEX**	**BDL**	XXXXXXXXX
Chromium	n/a	n/a	**Benzene**	<0.053	n/a
Lead	n/a	n/a	**TOX**	n/a	XXXXXXXXX
Mercury	n/a	n/a	**Total PAH's**	1.106	n/a
Selenium	n/a	n/a	**Carc PAH's***	0.064	n/a
Silver	n/a	n/a			
Antimony	n/a	n/a			
Beryllium	n/a	n/a			
Nickel	n/a	n/a			

*Carcinogenic PAH's as Benzo(a)Pyrene

By signing this profile sheet I certify that.

1.) I am the generator of the waste described on this sheet.
2.) This waste is not a regulated hazardous waste as defined by the EPA or by applicable ordinances of SC.
3.) This sheet and its attachments contain true and accurate descriptions of the waste
4.) Any laboratory data used to support the validity of the data shown on this sheet has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, Test Methods for Evaluating Solid Waste, of exactly the same waste that I will deliver to SSR, Inc. for treatment.
5.) I certify that the laboratory results listing lab name, report date, and sample ID# are attached as support to the data certified on this application.
6.) The Laboratory Name, Address, and Certification Number are provided above in the Waste Constituents section.

Certified Signature: [signature] Date: 7/11/02

Print Name, Title & Employer:

C-17

SOUTHEASTERN SOIL RECOVERY, INC.

Soil Class: Class 1 – Class 2 – Class 3

Project #: 2001222

Sample #: C-17

Waste Approval Code Number

NON-HAZARDOUS WASTE PROFILE

GENERATOR INFORMATION

Generator Name: DUKE ENERGY

Phone: [illegible] Contact/Title: MARK MCGARY

Address: 5815 CRAIG STREET CHARLOTTE, NC 28214

Total estimated tons: 1000 Type and Number of containers: n/a

AGENT FOR GENERATOR INFORMATION (if applicable)

Agent for Generator: ENERGY DELIVERY SERVICES, INC.

Phone: 704-373-7898 Contact/Title: MARK MCGARY, MANAGER

Address: 6615 CRAIG STREET, CHARLOTTE, NC 28214

Total estimated tons: 1000 Type and Number of containers: n/a

WASTE DESCRIPTION

SOILS FROM MANUFACTURED GAS PLANT SITE

Process of Waste Generation: STANDARD OPERATIONS OF MGP SITE

WASTE CONSTITUENTS:

Laboratory Name	Environmental Science Corp				
Laboratory Address	12065 Lebanon Rd. - Mt. Juliet, TN 37122				
Laboratory Certification No.	84004				
Laboratory Sample No.	L81555-01				
	Total (ppm)	**TCLP (ppm) as requested**		**Total (ppm)**	**TCLP (ppm) as requested**
Arsenic	n/a	n/a	**PCB**	n/a	XXXXXXXXX
Barium	n/a	n/a	**TPH**	n/a	XXXXXXXXX
Cadmium	n/a	n/a	**BTEX**	n/a	XXXXXXXXX
Chromium	n/a	n/a	**Benzene**	n/a	EPA n/a
Lead	n/a	n/a	**TOX**	n/a	XXXXXXXXX
Mercury	n/a	n/a	**Total PAH's**	0.818	XXXXXXXXX
Selenium	n/a	n/a	**Carc PAH's***	0.034	
Silver	n/a	n/a			
Antimony	n/a	n/a			
Beryllium	n/a	n/a			
Nickel	n/a	n/a			

* Carcinogenic PAH's as Benzo(a)Pyrene

By signing this profile sheet I certify that:

1.) I am the generator of the waste described on this sheet.

2.) This waste is not a regulated hazardous waste as defined by the EPA or by applicable ordinances of SC.

3.) This sheet and its attachments contain true and accurate descriptions of the waste.

4.) Any laboratory data used to support the validity of the data shown on this sheet has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, Test Methods for Evaluating Solid Waste, of exactly the same waste that I will deliver to SSR, Inc. for treatment.

5.) I certify that the laboratory results listing lab name, report date, and sample ID# are attached as support to the data certified on this application

6.) The Laboratory Name, Address, and Certification Number are provided above in the Waste Constituents section.

Certified Signature: [signature] Date: 7/1/02

Print Name, Title & Employer:

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1979 Patterson Plant Road Laurens, SC 29371

Soil Class: Class 1 – Class 2 – Class 3
Project #: 2001222
Sample #: C-17

TREATMENT LEVEL VERIFICATION AND END USE NOTIFICATION FORM

TO: DUKE ENERGY PROJECT MANAGER

FROM: SSR LAURENS PLANT OPERATOR

RE: TREATMENT OF SOIL AND ACCEPTABLE END USE

THE FOLLOWING SOIL BATCH WAS TREATED TO THE APPROPRIATE TREATMENT STANDARDS AS REQUIRED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC) BUREAU OF LAND AND WASTE MANAGEMENT (BLWM) SOLID WASTE PERMIT NUMBER #302715-8001. THE ACCEPTABLE END USE OF THE SOILS IS AS INDICATED BELOW:

WASTE BATCH NUMBER (C3-project number-Cxxxxxx)	C3-2001222-C-17
SAMPLE NUMBER FOR TREATMENT VERIFICATION (same as Waste Batch Number)	C3-2001222-C-17
TREATMENT RESULTS (PASS/FAIL)	(PASS) ~~FAIL~~
APPROXIMATE TONNAGE	1000
END USE APPROVED BASED ON ANALYTICAL RESULTS	~~RESTRICTED~~ (UNRESTRICTED)

Certified Signature: Bobby K Perrett Date: 7/1/02

Print Name, Title & Employer: Bobby K. Perrett, VP SSR

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

June 28, 2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L81555-01
ESC Key : TERENVS-20628
Site ID :
Project # : 20628

Date Received : June 26, 2002
Description : Soil - SSR - Laurens
Sample ID : C-17
Collected By : Steven Clontz
Collection Date : 06/25/02 08:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	82.7		%	2540G	06/27/02	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/28/02	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/28/02	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/28/02	1
Benzo(a)anthracene	0.067	0.033	mg/kg	8270C	06/28/02	1
Benzo(a)pyrene	0.034	0.033	mg/kg	8270C	06/28/02	1
Benzo(b)fluoranthene	0.072	0.033	mg/kg	8270C	06/28/02	1
Benzo(g,h,i)perylene	0.043	0.033	mg/kg	8270C	06/28/02	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/28/02	1
Chrysene	0.064	0.033	mg/kg	8270C	06/28/02	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/28/02	1
Fluoranthene	0.12	0.033	mg/kg	8270C	06/28/02	1
Fluorene	BDL	0.033	mg/kg	8270C	06/28/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/28/02	1
Naphthalene	0.14	0.033	mg/kg	8270C	06/28/02	1
Phenanthrene	0.18	0.033	mg/kg	8270C	06/28/02	1
Pyrene	0.098	0.033	mg/kg	8270C	06/28/02	1
Surrogate Recovery						
Nitrobenzene-d5	73.		% Rec.	8270C	06/28/02	1
2-Fluorobiphenyl	78.		% Rec.	8270C	06/28/02	1
p-Terphenyl-d14	70.		% Rec.	8270C	06/28/02	1

Terrie Fudge, ESC Representative

BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461.01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:
The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.

ENVIRONMENTAL SCIENCE CORP.

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Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Fax I.D. 82-0814289

Est. 1970

REPORT OF ANALYSIS

June 28, 2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

Date Received : June 26, 2002
Description : Soil - SSR - Laurens
Sample ID : C-17
Collected By :
Collection Date : 06/25/02 08:00

ESC Sample # : L81555-02
ESC Key : TERENVS-20628
Site ID :
Project # : 20628

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
TCLP Volatiles						
Benzene	BDL	0.050	mg/l	8260B	06/27/02	1
Toluene	BDL	0.050	mg/l	8260B	06/27/02	1
Ethylbenzene	BDL	0.050	mg/l	8260B	06/27/02	1
Total Xylenes	BDL	0.15	mg/l	8260B	06/27/02	1
Surrogate Recovery						
Toluene-d8	97.3		% Rec.	8260B	06/27/02	1
Dibromofluoromethane	109.		% Rec.	8260B	06/27/02	1
4-Bromofluorobenzene	100.		% Rec.	8260B	06/27/02	1

Terrie Fudge, ESC Representative

BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
AZLA - 1461-01, AINA - 100789, AL - 40680, CA - 1-2327, CT- PH-0107, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:
The reported analytical results relate only to the sample submitted.

D H E C

PROMOTE PROTECT PROSPER

2600 Bull Street
Columbia, SC 29201-1708

July 18, 2002

Mr. Bobby Perritt
Southeastern Soils Recovery, Inc.–Laurens Facility
4991 Banco Road
Charleston, S.C. 29418

Re: Request of approval for return of C18 soils pile. (treated) to site of origin
Project No. 2062B (Terry Environmental Services)

Dear Mr. Perritt,

We have received your data submittal for the thermal treatment of the C18 soils pile as well as the supporting quality assurance package from Environmental Science Corp. from Mr. Jason Terry of Terry Environmental Services.

The Bramlette Road site is one that is now, and will continue to be, monitored by the Bureau of Water once these soils are acceptably treated and returned to the excavation site. After reviewing these submittals, it was noted that one of the values for Benzo(a)pyrene was 0.002 mg/kg above the regulatory threshold of 0.062 mg/kg. After some discussion it was decided that these soils could be placed into the excavation site. It was conveyed to Mr. Terry that this would be a one time only allowance for the life of this project.

We have conveyed to Mr. Terry, as your agent, further definition guidance, for your use, as to the Department's intent in the special permit conditions placed in your Laurens Road facility permit. These will aid in the continued streamlining of the sampling, analysis, timely review, and approval process. I am certain that as this project continues, this entire process will flow in a smoother manner.

If we may be of further help in this or other matters, especially with regards to permit special conditions, (numbers 8, 10, 11, or 12), please do not hesitate to contact me at (803) 896-4120. Thank You.

Sincerely,

Stephen C. Burdick, Manager
Waste Assessment Section
Bureau of Land and Waste Management

CC: Mr. Art Braswell, Director
Division of Mining and Solid Waste Management

Ms. S. Jennifer Boynton, Bureau of Water

File

C-18

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Enoree, SC 29571

Soil Class: Class 1 – Class 2 – Class 3
Project #: 2001222
Sample #: C18

TREATMENT LEVEL VERIFICATION AND END USE NOTIFICATION FORM

TO: DUKE ENERGY PROJECT MANAGER

FROM: SSR LAURENS PLANT OPERATOR

RE: TREATMENT OF SOIL AND ACCEPTABLE END USE

THE FOLLOWING SOIL BATCH WAS TREATED TO THE APPROPRIATE TREATMENT STANDARDS AS REQUIRED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC) BUREAU OF LAND AND WASTE MANAGEMENT (BLWM) SOLID WASTE PERMIT NUMBER #302715-8001. THE ACCEPTABLE END USE OF THE SOILS IS AS INDICATED BELOW:

WASTE BATCH NUMBER (C3-project number-Cxxxxxx)	C3-2001222-C18
SAMPLE NUMBER FOR TREATMENT VERIFICATION (same as Waste Batch Number)	C3-2001222-C18
TREATMENT RESULTS (PASS/FAIL)	(PASS)/~~FAIL~~
APPROXIMATE TONNAGE	1000
END USE APPROVED BASED ON ANALYTICAL RESULTS	~~RESTRICTED~~ / (UNRESTRICTED)

Certified Signature [signature] Date: 7/11/02

Print Name, Title & Employer: Bobby Perrott, VP SSR

Table 1
Analytical Results vs. Clean-Up Levels for Duke Energy Project - SSR Laurens
July 1, 2002

	Date Collected	July 1, 2002
Parameter	**PRG (ppb)**	**C18**
EPA SW-846 8260		
Benzene	650	<53
Toluene	520,000	<260
Ethylbenzene	230,000	<53
Xylenes	210,000	<160
EPA SW-846 8270		
Polynuclear Aromatic Hydrocarbons (PAH's)	-	-
Acenaphthene	3,700,000	<35
Anthracene	22,000,000	<35
Benz(a)anthracene	620	100
Benzo(b)fluoranthene	620	190
Benzo(a)pyrene	62	64*
Chrysene	62,000	140
Dibenz(a,h)anthracene	62	<35
Fluoranthene	2,300,000	180
Fluorene	2,600,000	<35
Indeno(1,2,3-cd)pyrene	620	72
Naphthalene	56,000	230
Pyrene	2,300,000	130

Notes:
PRG = Preliminary Remediation Goal
ppb = Parts Per Billion
* As per conversation between Steve Burdick (SCDHEC Waste Assessment) and Jason Terry (Terry Environmental Services) on July 11, 2002 at 09:15, Mr. Burdick has agreed that the Benzo(a)pyrene concentration is essentially the same as the PRG and he has approved the return of the stockpile C18 to the Client's site. He has also agreed to author a letter stating such and the letter will be attached to this chart upon its receipt.

Signature 07/11/2002 Date

Jason A. Terry, PG
President

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

July 09, 2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

Date Received : July 03, 2002
Description : Soil - SSR - Laurens
Sample ID : C-18
Collected By : David Robinson
Collection Date : 07/01/02 15:40

ESC Sample # : L82256-01
ESC Key : TERENVS-2062B
Site ID :
Project # : 2062B

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	94.1		%	2540G	07/05/02	1
Benzene	BDL	0.053	mg/kg	8260B	07/06/02	50
Toluene	BDL	0.26	mg/kg	8260B	07/06/02	50
Ethylbenzene	BDL	0.053	mg/kg	8260B	07/06/02	50
Total Xylenes	BDL	0.16	mg/kg	8260B	07/06/02	50
Surrogate Recovery						
Toluene-d8	98.		% Rec.	8260B	07/06/02	50
Dibromofluoromethane	100		% Rec.	8260B	07/06/02	50
4-Bromofluorobenzene	95.		% Rec.	8260B	07/06/02	50
Polynuclear Aromatic Hydrocarbons						
Anthracene	0.044	0.035	mg/kg	8270C	07/08/02	1
Acenaphthene	BDL	0.035	mg/kg	8270C	07/08/02	1
Acenaphthylene	BDL	0.035	mg/kg	8270C	07/08/02	1
Benzo(a)anthracene	0.10	0.035	mg/kg	8270C	07/08/02	1
Benzo(a)pyrene	0.064	0.035	mg/kg	8270C	07/08/02	1
Benzo(b)fluoranthene	0.19	0.035	mg/kg	8270C	07/08/02	1
Benzo(g,h,i)perylene	0.090	0.035	mg/kg	8270C	07/08/02	1
Benzo(k)fluoranthene	0.044	0.035	mg/kg	8270C	07/08/02	1
Chrysene	0.14	0.035	mg/kg	8270C	07/08/02	1
Dibenz(a,h)anthracene	BDL	0.035	mg/kg	8270C	07/08/02	1
Fluoranthene	0.18	0.035	mg/kg	8270C	07/08/02	1
Fluorene	BDL	0.035	mg/kg	8270C	07/08/02	1
Indeno(1,2,3-cd)pyrene	0.072	0.035	mg/kg	8270C	07/08/02	1
Naphthalene	0.23	0.035	mg/kg	8270C	07/08/02	1
Phenanthrene	0.23	0.035	mg/kg	8270C	07/08/02	1
Pyrene	0.13	0.035	mg/kg	8270C	07/08/02	1
Surrogate Recovery						
Nitrobenzene-d5	63.		% Rec.	8270C	07/08/02	1
2-Fluorobiphenyl	62.		% Rec.	8270C	07/08/02	1
p-Terphenyl-d14	70.		% Rec.	8270C	07/08/02	1

Terric Fudge, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:
This report shall not be reproduced, except in full, without the written approval from ESC.
The reported analytical results relate only to the sample submitted
L82256-01 (V8260BTEX) - Matrix effect, lower dilution runs failed.

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L82256-01	Benzene	HO
	Toluene	HO
	Ethylbenzene	HO
	Total Xylenes	HO

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
O	(ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary dilution.
H	RIN(EPA)-Re-Analyzed: The indicated analytical results were generated from a reinjection of the same sample extract or aliquot.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Table 1
Analytical Results vs. Clean-Up Levels for Duke Energy Project - SSR Laurens
July 16, 2002

	Date Collected	July 10, 2002
Parameter	**PRG (ppb)**	**C19**
EPA SW-846 8260		
Benzene	650	3.6
Toluene	520,000	<6.1
Ethylbenzene	230,000	<1.2
Xylenes	210,000	<3.6
EPA SW-846 8270		
Polynuclear Aromatic Hydrocarbons (PAH's)	-	-
Acenaphthene	3,700,000	<40
Anthracene	22,000,000	<40
Benz(a)anthracene	620	<40
Benzo(b)fluoranthene	620	<40
Benzo(a)pyrene	62	<40
Chrysene	62,000	<40
Dibenz(a,h)anthracene	62	<40
Fluoranthene	2,300,000	<40
Fluorene	2,600,000	<40
Indeno(1,2,3-cd)pyrene	620	<40
Naphthalene	56,000	<40
Pyrene	2,300,000	<40

Notes:
PRG = Preliminary Remediation Goal
ppb = Parts Per Billion

Soil Class: Class 1 – Class 2 – Class 3

Project #: 2001222

Sample #: C19

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571

Waste Approval Code Number

NON-HAZARDOUS WASTE PROFILE SHEET

GENERATOR INFORMATION

Generator Name: DUKE ENERGY
Phone: 704-373-7898 Contact/Title: MARK MCGARY
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

AGENT FOR GENERATOR INFORMATION (if applicable)

Agent for Generator: ENERGY DELIVERY SERVICES, INC.
Phone: 704-373-7898 Contact/Title: MARK MCGARY, MANAGER
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

WASTE DESCRIPTION

SOILS FROM MANUFACTURED GAS PLANT SITE

Process of Waste Generation: STANDARD OPERATIONS OF MGP SITE

WASTE CONSTITUENTS:

Laboratory Name	ENVIRONMENTAL SCIENCE CORPORATION				
Laboratory Address	12065 LEBANON ROAD; MT JULIET, TN 37122				
Laboratory Certification No.	84004				
Laboratory Sample No.	L82936-01				
	Total (ppm)	**TCLP (ppm) as requested**		**Total (ppm)**	**TCLP (ppm) as requested**
Arsenic	n/a	n/a	**PCB**	n/a	XXXXXXXXX
Barium	n/a	n/a	**TPH**	n/a	XXXXXXXXX
Cadmium	n/a	n/a	**BTEX**	0.0036	XXXXXXXXX
Chromium	n/a	n/a	**Benzene**	0.0036	n/a
Lead	n/a	n/a	**TOX**	n/a	XXXXXXXXX
Mercury	n/a	n/a	**Total PAH's**	0.480	XXXXXXXXX
Selenium	n/a	n/a	**Carc PAH's***	<0.040	XXXXXXXXX
Silver	n/a	n/a			
Antimony	n/a	n/a			
Berylium	n/a	n/a			
Nickel	n/a	n/a			

* Carcinogenic PAH's as Benzo(a)Pyrene

By signing this profile sheet I certify that:
1.) I am the generator of the waste described on this sheet.
2.) This waste is not a regulated hazardous waste as defined by the EPA or by applicable ordinances of SC.
3.) This sheet and its attachments contain true and accurate descriptions of the waste.
4.) Any laboratory data used to support the validity of the data shown on this sheet has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, Test Methods for Evaluating Solid Waste, of exactly the same waste that I will deliver to SSR, Inc. for treatment.
5.) I certify that the laboratory results listing lab name, report date, and sample ID# are attached as support to the data certified on this application.
6.) The Laboratory Name, Address, and Certification Number are provided above in the Waste Constituents section.

Certified Signature: Bobby Perritt Date: 7/16/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, LLC

Soil Class: Class 1 – Class 2 – Class 3

Project #: 2001222

Sample #: C19

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571

TREATMENT LEVEL VERIFICATION AND END USE NOTIFICATION FORM

TO: DUKE ENERGY PROJECT MANAGER

FROM: SSR LAURENS PLANT OPERATOR

RE: TREATMENT OF SOIL AND ACCEPTABLE END USE

THE FOLLOWING SOIL BATCH WAS TREATED TO THE APPROPRIATE TREATMENT STANDARDS AS REQUIRED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC) BUREAU OF LAND AND WASTE MANAGEMENT (BLWM) SOLID WASTE PERMIT NUMBER **#302715-8001**. THE ACCEPTABLE END USE OF THE SOILS IS AS INDICATED BELOW:

WASTE BATCH NUMBER (C3-project number-Cxxxxxx)	C3-2001222-C19
SAMPLE NUMBER FOR TREATMENT VERIFICATION (same as Waste Batch Number)	C3-2001222-C19
TREATMENT RESULTS (PASS/FAIL)	PASS
APPROXIMATE TONNAGE	1000
END USE APPROVED BASED ON ANALYTICAL RESULTS	UNRESTRICTED

Certified Signature: Bobby K Perritt Date: 7/16/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, LLC

ENVIRONMENTAL SCIENCE CORP.

1206S Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

July 15,2002

Date Received : July 11, 2002
Description : SSR - Laurens
Sample ID : C-18
Collected By : David Robinson
Collection Date : 07/10/02 13:00

ESC Sample # : L82938-01
ESC Key : TERENVS-20628
Site ID :
Project # : 20628

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	82.8		%	2540G	07/12/02	1
Benzene	0.0036	0.0012	mg/kg	8260B	07/12/02	1.01
Toluene	BDL	0.0061	mg/kg	8260B	07/12/02	1.01
Ethylbenzene	BDL	0.0012	mg/kg	8260B	07/12/02	1.01
Total Xylenes	BDL	0.0036	mg/kg	8260B	07/12/02	1.01
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	07/12/02	1.01
Dibromofluoromethane	110		% Rec.	8260B	07/12/02	1.01
4-Bromofluorobenzene	74.		% Rec.	8260B	07/12/02	1.01
Base/Neutral Extractables						
Acenaphthene	BDL	0.040	mg/kg	8270C	07/15/02	1
Acenaphthylene	BDL	0.040	mg/kg	8270C	07/15/02	1
Anthracene	BDL	0.040	mg/kg	8270C	07/15/02	1
Benzo(a)anthracene	BDL	0.040	mg/kg	8270C	07/15/02	1
Benzo(b)fluoranthene	BDL	0.040	mg/kg	8270C	07/15/02	1
Benzo(k)fluoranthene	BDL	0.040	mg/kg	8270C	07/15/02	1
Benzo(g,h,i)perylene	BDL	0.040	mg/kg	8270C	07/15/02	1
Benzo(a)pyrene	BDL	0.040	mg/kg	8270C	07/15/02	1
Chrysene	BDL	0.040	mg/kg	8270C	07/15/02	1
Dibenz(a,h)anthracene	BDL	0.040	mg/kg	8270C	07/15/02	1
Fluoranthene	BDL	0.040	mg/kg	8270C	07/15/02	1
Fluorene	BDL	0.040	mg/kg	8270C	07/15/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.040	mg/kg	8270C	07/15/02	1
Naphthalene	BDL	0.040	mg/kg	8270C	07/15/02	1
Phenanthrene	0.48	0.040	mg/kg	8270C	07/15/02	1
Pyrene	BDL	0.040	mg/kg	8270C	07/15/02	1
Acid Extractables						
Surrogate Recovery						
Nitrobenzene-d5	77.		% Rec.	8270C	07/15/02	1
2-Fluorobiphenyl	80.		% Rec.	8270C	07/15/02	1
p-Terphenyl-d14	120		% Rec.	8270C	07/15/02	1
Phenol-d5	89.		% Rec.	8270C	07/15/02	1
2-Fluorophenol	80.		% Rec.	8270C	07/15/02	1
2,4,6-Tribromophenol	99.		% Rec.	8270C	07/15/02	1

Terrie Fudge, ESC Representative

Results listed are dry weight basis
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
AZLA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:

The reported analytical results relate only to the sample submitted

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L02936-01	Benzo(g,h,i)perylene	J3
	Fluoranthene	J5
	Phenanthrene	J5
	Pyrene	J4
	Benzene	H
	Toluene	H
	Ethylbenzene	H
	Total Xylenes	H

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
H	*RIN(EPA)-Re-Analyzed: The indicated analytical results were generated from a reinjection of the same sample extract or aliquot.*
J3	The associated batch QC did not successfully meet the established quality control criteria for precision.
J4	The associated batch QC did not successfully meet the established quality control criteria for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is unacceptably high

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Soil Class: Class 3

Project #: 2001222

Sample #: C20

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571

Waste Approval Code Number

NON-HAZARDOUS WASTE PROFILE SHEET

GENERATOR INFORMATION

Generator Name: DUKE ENERGY
Phone: 704-373-7898 Contact/Title: MARK MCGARY
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

AGENT FOR GENERATOR INFORMATION (if applicable)

Agent for Generator: ENERGY DELIVERY SERVICES, INC.
Phone: 704-373-7898 Contact/Title: MARK MCGARY, MANAGER
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

WASTE DESCRIPTION

SOILS FROM MANUFACTURED GAS PLANT SITE

Process of Waste Generation: STANDARD OPERATIONS OF MGP SITE

WASTE CONSTITUENTS:

Laboratory Name	ENVIRONMENTAL SCIENCE CORPORATION				
Laboratory Address	12065 LEBANON ROAD; MT JULIET, TN 37122				
Laboratory Certification No.	84004				
Laboratory Sample No.	L84012-01				
	Total (ppm)	**TCLP (ppm) as requested**		**Total (ppm)**	**TCLP (ppm) as requested**
Arsenic	n/a	n/a	**PCB**	n/a	XXXXXXXXX
Barium	n/a	n/a	**TPH**	n/a	XXXXXXXXX
Cadmium	n/a	n/a	**BTEX**	0.017	XXXXXXXXX
Chromium	n/a	n/a	**Benzene**	0.017	n/a
Lead	n/a	n/a	**TOX**	n/a	XXXXXXXXX
Mercury	n/a	n/a	**Total PAH's**	0.103	XXXXXXXXX
Selenium	n/a	n/a	**Carc PAH's***	<0.046	XXXXXXXXX
Silver	n/a	n/a			
Antimony	n/a	n/a			
Beryllium	n/a	n/a			
Nickel	n/a	n/a			

* Carcinogenic PAH's as Benzo(a)Pyrene

By signing this profile sheet I certify that.
1.) I am the generator of the waste described on this sheet.
2.) This waste is not a regulated hazardous waste as defined by the EPA or by applicable ordinances of SC
3.) This sheet and its attachments contain true and accurate descriptions of the waste.
4.) Any laboratory data used to support the validity of the data shown on this sheet has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, Test Methods for Evaluating Solid Waste, of exactly the same waste that I will deliver to SSR, Inc. for treatment.
5.) I certify that the laboratory results listing lab name, report date, and sample ID# are attached as support to the data certified on this application.
6.) The Laboratory Name, Address, and Certification Number are provided above in the Waste Constituents section.

Certified Signature: Bobby K. Perritt Date: 7/24/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

Soil Class: Class 3

Project #: 2001222

Sample #: C20

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571

TREATMENT LEVEL VERIFICATION AND END USE NOTIFICATION FORM

TO: DUKE ENERGY PROJECT MANAGER

FROM: SSR LAURENS PLANT OPERATOR

RE: TREATMENT OF SOIL AND ACCEPTABLE END USE

THE FOLLOWING SOIL BATCH WAS TREATED TO THE APPROPRIATE TREATMENT STANDARDS AS REQUIRED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC) BUREAU OF LAND AND WASTE MANAGEMENT (BLWM) SOLID WASTE PERMIT NUMBER **#302715-8001**. THE ACCEPTABLE END USE OF THE SOILS IS AS INDICATED BELOW:

WASTE BATCH NUMBER (C3-project number-Cxxxxxx)	C3-2001222-C20
SAMPLE NUMBER FOR TREATMENT VERIFICATION (same as Waste Batch Number)	C3-2001222-C20
TREATMENT RESULTS (PASS/FAIL)	PASS
APPROXIMATE TONNAGE	1000
END USE APPROVED BASED ON ANALYTICAL RESULTS	UNRESTRICTED

Certified Signature Bobby K Perritt Date: 7/24/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

July 23,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L84012-01
ESC Key : TERENVS-20628
Site ID :
Project # : 20628

Date Received : July 20, 2002
Description : Soil - SSR - Laurens
Sample ID : C 20
Collected By : David Robinson
Collection Date : 07/19/02 12:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	71.8		%	2540G	07/22/02	1
Benzene	0.017	0.0015	mg/kg	8260B	07/22/02	1.11
Toluene	BDL	0.0077	mg/kg	8260B	07/22/02	1.11
Ethylbenzene	BDL	0.0015	mg/kg	8260B	07/22/02	1.11
Total Xylenes	BDL	0.0046	mg/kg	8260B	07/22/02	1.11
Surrogate Recovery						
Toluene-d8	98.		% Rec.	8260B	07/22/02	1.11
Dibromofluoromethane	110		% Rec.	8260B	07/22/02	1.11
4-Bromofluorobenzene	82.		% Rec.	8260B	07/22/02	1.11
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.048	mg/kg	8270C	07/23/02	1
Acenaphthene	BDL	0.046	mg/kg	8270C	07/23/02	1
Acenaphthylene	BDL	0.046	mg/kg	8270C	07/23/02	1
Benzo(a)anthracene	BDL	0.046	mg/kg	8270C	07/23/02	1
Benzo(a)pyrene	BDL	0.046	mg/kg	8270C	07/23/02	1
Benzo(b)fluoranthene	BDL	0.046	mg/kg	8270C	07/23/02	1
Benzo(g,h,i)perylene	BDL	0.046	mg/kg	8270C	07/23/02	1
Benzo(k)fluoranthene	BDL	0.046	mg/kg	8270C	07/23/02	1
Chrysene	BDL	0.046	mg/kg	8270C	07/23/02	1
Dibenz(a,h)anthracene	BDL	0.046	mg/kg	8270C	07/23/02	1
Fluoranthene	BDL	0.046	mg/kg	8270C	07/23/02	1
Fluorene	BDL	0.046	mg/kg	8270C	07/23/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.046	mg/kg	8270C	07/23/02	1
Naphthalene	0.056	0.046	mg/kg	8270C	07/23/02	1
Phenanthrene	0.047	0.046	mg/kg	8270C	07/23/02	1
Pyrene	BDL	0.046	mg/kg	8270C	07/23/02	1
Surrogate Recovery						
Nitrobenzene-d5	83.		% Rec.	8270C	07/23/02	1
2-Fluorobiphenyl	82.		% Rec.	8270C	07/23/02	1
p-Terphenyl-d14	100		% Rec.	8270C	07/23/02	1

Terrie Fudge ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
AZLA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2008, VA - 00109, WV - 233

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L84012-01	Total Xylenes	J3

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J3	The associated batch QC did not successfully meet the established quality control criteria for precision.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and usable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Soil Class: Class 3

Project #: 2001222

Sample #: C21-A & C21-B

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571

TREATMENT LEVEL VERIFICATION AND END USE NOTIFICATION FORM

TO: DUKE ENERGY PROJECT MANAGER

FROM: SSR LAURENS PLANT OPERATOR

RE: TREATMENT OF SOIL AND ACCEPTABLE END USE

THE FOLLOWING SOIL BATCH WAS TREATED TO THE APPROPRIATE TREATMENT STANDARDS AS REQUIRED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC) BUREAU OF LAND AND WASTE MANAGEMENT (BLWM) SOLID WASTE PERMIT NUMBER **#302715-8001**. THE ACCEPTABLE END USE OF THE SOILS IS AS INDICATED BELOW:

WASTE BATCH NUMBER (C3-project number-Cxxxxxx)	C3-2001222-C21
SAMPLE NUMBER FOR TREATMENT VERIFICATION (similar to Waste Batch Number)	C3-2001222-C21-A & B
TREATMENT RESULTS (PASS/FAIL)	PASS
APPROXIMATE TONNAGE	1000
END USE APPROVED BASED ON ANALYTICAL RESULTS	UNRESTRICTED

Certified Signature: _____ Date: 08/02/2002

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

Soil Class: Class 3

Project #: 2001222

Sample #: C21-A & C21-B

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571

Waste Approval Code Number

NON-HAZARDOUS WASTE PROFILE SHEET

GENERATOR INFORMATION

Generator Name: DUKE ENERGY
Phone: 704-373-7898 Contact/Title: MARK MCGARY
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

AGENT FOR GENERATOR INFORMATION (if applicable)

Agent for Generator: ENERGY DELIVERY SERVICES, INC.
Phone: 704-373-7898 Contact/Title: MARK MCGARY, MANAGER
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

WASTE DESCRIPTION

SOILS FROM MANUFACTURED GAS PLANT SITE

Process of Waste Generation: STANDARD OPERATIONS OF MGP SITE

WASTE CONSTITUENTS:

Laboratory Name	ENVIRONMENTAL SCIENCE CORPORATION				
Laboratory Address	12065 LEBANON ROAD; MT JULIET, TN 37122				
Laboratory Certification No.	84004				
Laboratory Sample No.	L84782-01 & L84782-02				
	Total (ppm)*	**TCLP (ppm) as requested**		**Total (ppm)***	**TCLP (ppm) as requested**
Arsenic	n/a	n/a	**PCB**	n/a	XXXXXXXXX
Barium	n/a	n/a	**TPH**	n/a	XXXXXXXXX
Cadmium	n/a	n/a	**BTEX**	0.0084 & 0.0094	XXXXXXXXX
Chromium	n/a	n/a	**Benzene**	0.0084 & 0.0094	n/a
Lead	n/a	n/a	**TOX**	n/a	XXXXXXXXX
Mercury	n/a	n/a	**Total PAH's**	0.623 & 0.917	XXXXXXXXX
Selenium	n/a	n/a	**Carc PAH's****	<0.039 & <0.040	XXXXXXXXX
Silver	n/a	n/a			
Antimony	n/a	n/a			
Berylium	n/a	n/a			
Nickel	n/a	n/a			

* L84782-01 and L84782-02, respectively
** Carcinogenic PAH's as Benzo(a)Pyrene

By signing this profile sheet I certify that:
1.) I am the generator of the waste described on this sheet.
2.) This waste is not a regulated hazardous waste as defined by the EPA or by applicable ordinances of SC.
3.) This sheet and its attachments contain true and accurate descriptions of the waste.
4.) Any laboratory data used to support the validity of the data shown on this sheet has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, Test Methods for Evaluating Solid Waste, of exactly the same waste that I will deliver to SSR, Inc for treatment.
5.) I certify that the laboratory results listing lab name, report date, and sample ID# are attached as support to the data certified on this application.
6.) The Laboratory Name, Address, and Certification Number are provided above in the Waste Constituents section.

Certified Signature _____ Date: 08/02/2002

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

Table 1
Analytical Results vs. Clean-Up Levels for Duke Energy Project - SSR Laurens
July 24, 2002 and July 27, 2002

	Date Collected	7/24/02	7/27/02
Parameter	**PRG (ppb)**	**C21-A**	**C21-B**
EPA SW-846 8260			
Benzene	650	8.4	<9.4
Toluene	520,000	<6.4	<6.6
Ethylbenzene	230,000	<1.3	<1.3
Xylenes	210,000	<3.8	<4
EPA SW-846 8270			
Polynuclear Aromatic Hydrocarbons (PAH's)	-	-	-
Acenaphthene	3,700,000	<39	<40
Anthracene	22,000,000	<39	<40
Benz(a)anthracene	620	<39	<40
Benzo(b)fluoranthene	620	68	89
Benzo(a)pyrene	62	<39	<40
Chrysene	62,000	43	68
Dibenz(a,h)anthracene	62	<39	<40
Fluoranthene	2,300,000	130	130
Fluorene	2,600,000	<39	<40
Indeno(1,2,3-cd)pyrene	620	<39	<40
Naphthalene	56,000	120	150
Pyrene	2,300,000	82	120

Notes:
PRG = EPA Region 9 Preliminary Remediation Goal for Residential Soils
ppb = Parts Per Billion

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

August 01,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L84782-01
ESC Key : TERENVS-2062B
Site ID :
Project # : 2062B

Date Received : July 30, 2002
Description : Soil - SSR - Laurens
Sample ID : C-21-A
Collected By : David Robinson
Collection Date : 07/24/02 15:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	84.0		%	2540G	07/31/02	1
Benzene	0.0084	0.0013	mg/kg	8260B	07/31/02	1.08
Toluene	BDL	0.0064	mg/kg	8260B	07/31/02	1.08
Ethylbenzene	BDL	0.0013	mg/kg	8260B	07/31/02	1.08
Total Xylenes	BDL	0.0038	mg/kg	8260B	07/31/02	1.08
Surrogate Recovery						
Toluene-d8	98.		% Rec.	8260B	07/31/02	1.08
Dibromofluoromethane	100		% Rec.	8260B	07/31/02	1.08
4-Bromofluorobenzene	82.		% Rec.	8260B	07/31/02	1.08
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.039	mg/kg	8270C	08/01/02	1
Acenaphthene	BDL	0.039	mg/kg	8270C	08/01/02	1
Acenaphthylene	BDL	0.039	mg/kg	8270C	08/01/02	1
Benzo(a)anthracene	BDL	0.039	mg/kg	8270C	08/01/02	1
Benzo(a)pyrene	BDL	0.039	mg/kg	8270C	08/01/02	1
Benzo(b)fluoranthene	0.068	0.039	mg/kg	8270C	08/01/02	1
Benzo(g,h,i)perylene	BDL	0.039	mg/kg	8270C	08/01/02	1
Benzo(k)fluoranthene	BDL	0.039	mg/kg	8270C	08/01/02	1
Chrysene	0.043	0.039	mg/kg	8270C	08/01/02	1
Dibenz(a,h)anthracene	BDL	0.039	mg/kg	8270C	08/01/02	1
Fluoranthene	0.13	0.039	mg/kg	8270C	08/01/02	1
Fluorene	BDL	0.039	mg/kg	8270C	08/01/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.039	mg/kg	8270C	08/01/02	1
Naphthalene	0.12	0.039	mg/kg	8270C	08/01/02	1
Phenanthrene	0.18	0.039	mg/kg	8270C	08/01/02	1
Pyrene	0.082	0.039	mg/kg	8270C	08/01/02	1
Surrogate Recovery						
Nitrobenzene-d5	74.		% Rec.	8270C	08/01/02	1
2-Fluorobiphenyl	80.		% Rec.	8270C	08/01/02	1
p-Terphenyl-d14	97.		% Rec.	8270C	08/01/02	1

Terrie Fudge, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:
This report shall not be reproduced, except in full, without the written approval from ESC.
The reported analytical results relate only to the sample submitted

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

August 01,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L84782-02
ESC Key : TERENVS-20628
Site ID :
Project # : 20628

Date Received : July 30, 2002
Description : Soil - SSR - Laurens
Sample ID : C-21-B
Collected By : David Robinson
Collection Date : 07/27/02 15:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	81.8		%	2540G	07/31/02	1
Benzene	0.0094	0.0013	mg/kg	8260B	07/31/02	1.08
Toluene	BDL	0.0066	mg/kg	8260B	07/31/02	1.08
Ethylbenzene	BDL	0.0013	mg/kg	8260B	07/31/02	1.08
Total Xylenes	BDL	0.0040	mg/kg	8260B	07/31/02	1.08
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	07/31/02	1.08
Dibromofluoromethane	110		% Rec.	8260B	07/31/02	1.08
4-Bromofluorobenzene	90.		% Rec.	8260B	07/31/02	1.08
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.040	mg/kg	8270C	08/01/02	1
Acenaphthene	BDL	0.040	mg/kg	8270C	08/01/02	1
Acenaphthylene	BDL	0.040	mg/kg	8270C	08/01/02	1
Benzo(a)anthracene	BDL	0.040	mg/kg	8270C	08/01/02	1
Benzo(a)pyrene	BDL	0.040	mg/kg	8270C	08/01/02	1
Benzo(b)fluoranthene	0.089	0.040	mg/kg	8270C	08/01/02	1
Benzo(g,h,i)perylene	BDL	0.040	mg/kg	8270C	08/01/02	1
Benzo(k)fluoranthene	BDL	0.040	mg/kg	8270C	08/01/02	1
Chrysene	0.068	0.040	mg/kg	8270C	08/01/02	1
Dibenz(a,h)anthracene	BDL	0.040	mg/kg	8270C	08/01/02	1
Fluoranthene	0.16	0.040	mg/kg	8270C	08/01/02	1
Fluorene	BDL	0.040	mg/kg	8270C	08/01/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.040	mg/kg	8270C	08/01/02	1
Naphthalene	0.15	0.040	mg/kg	8270C	08/01/02	1
Phenanthrene	0.23	0.040	mg/kg	8270C	08/01/02	1
Pyrene	0.12	0.040	mg/kg	8270C	08/01/02	1
Surrogate Recovery						
Nitrobenzene-d5	69.		% Rec.	8270C	08/01/02	1
2-Fluorobiphenyl	74.		% Rec.	8270C	08/01/02	1
p-Terphenyl-d14	91.		% Rec.	8270C	08/01/02	1

Terrie Rudge, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:
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Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L84782-01	Benzo(g,h,i)perylene	J3
	Benzo(k)fluoranthene	J3
	Dibenz(a,h)anthracene	J3
	Indeno(1,2,3-cd)pyrene	J3
	Pyrene	J3
L84782-02	Benzo(g,h,i)perylene	J3
	Benzo(k)fluoranthene	J3
	Dibenz(a,h)anthracene	J3
	Indeno(1,2,3-cd)pyrene	J3
	Pyrene	J3

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J3	The associated batch QC did not successfully meet the established quality control criteria for precision.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Soil Class: Class 3

Project #: 2001222

Sample #: C22-A & C22-B

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571

Waste Approval Code Number

NON-HAZARDOUS WASTE PROFILE SHEET

GENERATOR INFORMATION

Generator Name: DUKE ENERGY
Phone: 704-373-7898 Contact/Title: MARK MCGARY
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

AGENT FOR GENERATOR INFORMATION (if applicable)

Agent for Generator: ENERGY DELIVERY SERVICES, INC.
Phone: 704-373-7898 Contact/Title: MARK MCGARY, MANAGER
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

WASTE DESCRIPTION

SOILS FROM MANUFACTURED GAS PLANT SITE

Process of Waste Generation: STANDARD OPERATIONS OF MGP SITE

WASTE CONSTITUENTS:

Laboratory Name	ENVIRONMENTAL SCIENCE CORPORATION				
Laboratory Address	12065 LEBANON ROAD; MT JULIET, TN 37122				
Laboratory Certification No.	84004				
Laboratory Sample No.	L85706-01 & L85706-02				
	Total (ppm)*	**TCLP (ppm) as requested**		**Total (ppm)***	**TCLP (ppm) as requested**
Arsenic	n/a	n/a	**PCB**	n/a	XXXXXXXXX
Barium	n/a	n/a	**TPH**	n/a	XXXXXXXXX
Cadmium	n/a	n/a	**BTEX**	0.015 & 0.024	XXXXXXXXX
Chromium	n/a	n/a	**Benzene**	0.015 & 0.024	n/a
Lead	n/a	n/a	**TOX**	n/a	XXXXXXXXX
Mercury	n/a	n/a	**Total PAH's**	0.645 & 0.222	XXXXXXXXX
Selenium	n/a	n/a	**Carc PAH's****	<0.039 & <0.043	XXXXXXXXX
Silver	n/a	n/a			
Antimony	n/a	n/a			
Berylium	n/a	n/a			
Nickel	n/a	n/a			

* L85706-01 and L85706-02, respectively
** Carcinogenic PAH's as Benzo(a)Pyrene

By signing this profile sheet I certify that:
1.) I am the generator of the waste described on this sheet.
2.) This waste is not a regulated hazardous waste as defined by the EPA or by applicable ordinances of SC.
3.) This sheet and its attachments contain true and accurate descriptions of the waste.
4.) Any laboratory data used to support the validity of the data shown on this sheet has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, Test Methods for Evaluating Solid Waste, of exactly the same waste that I will deliver to SSR, Inc. for treatment.
5.) I certify that the laboratory results listing lab name, report date, and sample ID# are attached as support to the data certified on this application.
6.) The Laboratory Name, Address, and Certification Numbers are provided above in the Waste Constituents section.

Certified Signature: _____ Date: 8/13/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571

Soil Class: Class 3

Project #: 2001222

Sample #: C22-A & C22-B

TREATMENT LEVEL VERIFICATION AND END USE NOTIFICATION FORM

TO: DUKE ENERGY PROJECT MANAGER

FROM: SSR LAURENS PLANT OPERATOR

RE: TREATMENT OF SOIL AND ACCEPTABLE END USE

THE FOLLOWING SOIL BATCH WAS TREATED TO THE APPROPRIATE TREATMENT STANDARDS AS REQUIRED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC) BUREAU OF LAND AND WASTE MANAGEMENT (BLWM) SOLID WASTE PERMIT NUMBER #302715-8001. THE ACCEPTABLE END USE OF THE SOILS IS AS INDICATED BELOW:

WASTE BATCH NUMBER (C3-project number-Cxxxxxx)	C3-2001222-C22
SAMPLE NUMBER FOR TREATMENT VERIFICATION (similar to Waste Batch Number)	C3-2001222-C22-A & B
TREATMENT RESULTS (PASS/FAIL)	PASS
APPROXIMATE TONNAGE	1000
END USE APPROVED BASED ON ANALYTICAL RESULTS	UNRESTRICTED

Certified Signature: _____ Date: 8/13/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

Table 1
Analytical Results vs. Clean-Up Levels for Duke Energy Project - SSR Laurens
July 31, 2002 and August 2, 2002

Parameter	Date Collected	7/31/02	8/2/02
	PRG (ppb)	C22-A (ppb)	C22-B (ppb)
EPA SW-846 8260			
Benzene	650	15	24
Toluene	520,000	<6	<7.6
Ethylbenzene	230,000	<1.2	<1.5
Xylenes	210,000	<3.6	<4.5
EPA SW-846 8270			
Polynuclear Aromatic Hydrocarbons (PAH's)	-	-	-
Anthracene	22,000,000	<39	<43
Acenaphthene	3,700,000	<39	<43
Benz(a)anthracene	620	<39	<43
Benzo(a)pyrene	62	<39	<43
Benzo(b)fluoranthene	620	61	<43
Chrysene	62,000	<39	<43
Dibenz(a,h)anthracene	62	<39	<43
Fluoranthene	2,300,000	170	62
Fluorene	2,600,000	<39	<43
Indeno(1,2,3-cd)pyrene	620	<39	<43
Naphthalene	56,000	82	50
Pyrene	2,300,000	82	<43

Notes:
PRG = EPA Region 9 Preliminary Remediation Goal for Residential Soils
ppb = Parts Per Billion

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

August 12,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L85706-01

Date Received : August 08, 2002

ESC Key : TERENVS-20628

Description : Soil - SSR - Laurens

Site ID :

Sample ID : C-22-A

Project # : 20628

Collected By : David Robinson
Collection Date : 07/31/02 11:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	83.9		%	2540G	08/08/02	1
Benzene	0.015	0.0012	mg/kg	8260B	08/10/02	1
Toluene	BDL	0.0060	mg/kg	8260B	08/10/02	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	08/10/02	1
Total Xylenes	BDL	0.0036	mg/kg	8260B	08/10/02	1
Surrogate Recovery						
Toluene-d8	93.		% Rec.	8260B	08/10/02	1
Dibromofluoromethane	120		% Rec.	8260B	08/10/02	1
4-Bromofluorobenzene	62.		% Rec.	8260B	08/10/02	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.039	mg/kg	8270C	08/12/02	1
Acenaphthene	BDL	0.039	mg/kg	8270C	08/12/02	1
Acenaphthylene	BDL	0.039	mg/kg	8270C	08/12/02	1
Benzo(a)anthracene	BDL	0.039	mg/kg	8270C	08/12/02	1
Benzo(a)pyrene	0.061	0.039	mg/kg	8270C	08/12/02	1
Benzo(b)fluoranthene	BDL	0.039	mg/kg	8270C	08/12/02	1
Benzo(g,h,i)perylene	BDL	0.039	mg/kg	8270C	08/12/02	1
Benzo(k)fluoranthene	BDL	0.039	mg/kg	8270C	08/12/02	1
Chrysene	BDL	0.039	mg/kg	8270C	08/12/02	1
Dibenz(a,h)anthracene	0.17	0.039	mg/kg	8270C	08/12/02	1
Fluoranthene	BDL	0.039	mg/kg	8270C	08/12/02	1
Fluorene	BDL	0.039	mg/kg	8270C	08/12/02	1
Indeno(1,2,3-cd)pyrene	0.082	0.039	mg/kg	8270C	08/12/02	1
Naphthalene	0.25	0.039	mg/kg	8270C	08/12/02	1
Phenanthrene	0.082	0.039	mg/kg	8270C	08/12/02	1
Pyrene						
Surrogate Recovery						
Nitrobenzene-d5	70.		% Rec.	8270C	08/12/02	1
2-Fluorobiphenyl	83.		% Rec.	8270C	08/12/02	1
p-Terphenyl-d14	100		% Rec.	8270C	08/12/02	1

Terrie Fudge, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2008, VA - 00109, WV - 233

The reported analytical results relate only to the sample submitted
L85706-01 (V82608TEX) - Low IS on previous run

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

August 12, 2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L85706-02
ESC Key : TERENV5-20628
Site ID :
Project # : 20628

Date Received : August 08, 2002
Description : Soil - SSR - Laurens
Sample ID : C-22-B
Collected By : David Robinson
Collection Date : 08/02/02 09:10

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	76.0		%	2540G	08/08/02	1
Benzene	0.024	0.0015	mg/kg	8260B	08/09/02	1.15
Toluene	BDL	0.0076	mg/kg	8260B	08/09/02	1.15
Ethylbenzene	BDL	0.0015	mg/kg	8260B	08/09/02	1.15
Total Xylenes	BDL	0.0045	mg/kg	8260B	08/09/02	1.15
Surrogate Recovery						
Toluene-d8	98.		% Rec.	8260B	08/09/02	1.15
Dibromofluoromethane	120		% Rec.	8260B	08/09/02	1.15
4-Bromofluorobenzene	68.		% Rec.	8260B	08/09/02	1.15
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.043	mg/kg	8270C	08/10/02	1
Acenaphthene	BDL	0.043	mg/kg	8270C	08/10/02	1
Acenaphthylene	BDL	0.043	mg/kg	8270C	08/10/02	1
Benzo(a)anthracene	BDL	0.043	mg/kg	8270C	08/10/02	1
Benzo(a)pyrene	BDL	0.043	mg/kg	8270C	08/10/02	1
Benzo(b)fluoranthene	BDL	0.043	mg/kg	8270C	08/10/02	1
Benzo(g,h,i)perylene	BDL	0.043	mg/kg	8270C	08/10/02	1
Benzo(k)fluoranthene	BDL	0.043	mg/kg	8270C	08/10/02	1
Chrysene	BDL	0.043	mg/kg	8270C	08/10/02	1
Dibenz(a,h)anthracene	BDL	0.043	mg/kg	8270C	08/10/02	1
Fluoranthene	0.062	0.043	mg/kg	8270C	08/10/02	1
Fluorene	BDL	0.043	mg/kg	8270C	08/10/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.043	mg/kg	8270C	08/10/02	1
Naphthalene	0.050	0.043	mg/kg	8270C	08/10/02	1
Phenanthrene	0.11	0.043	mg/kg	8270C	08/10/02	1
Pyrene	BDL	0.043	mg/kg	8270C	08/10/02	1
Surrogate Recovery						
Nitrobenzene-d5	51.		% Rec.	8270C	08/10/02	1
2-Fluorobiphenyl	72.		% Rec.	8270C	08/10/02	1
p-Terphenyl-d14	76.		% Rec.	8270C	08/10/02	1

Terrie Fudge, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L85706-01	Benzene	H
	Toluene	H
	Ethylbenzene	H
	Total Xylenes	H
	4-Bromofluorobenzene	J2

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
R	RIN(EPA)-Re-Analyzed: The indicated analytical results were generated from a reinjection of the same sample extract or aliquot.
J2	Surrogate recovery limits have been exceeded: values are outside lower control limits

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

D H E C

PROMOTE PROTECT PROSPER

South Carolina Department of Health and Environmental Control

SIMPLE RANDOM SAMPLING METHOD FOR HAZARDOUS WASTES

STEP 1 - PRELIMINARY ESTIMATES

RT Value = [redacted] (ppm) Chemical Concentration of: [redacted]

INPUT		
sample 1	[redacted]	(ppm)
sample 2		(ppm)
sample 3		(ppm)
sample 4		(ppm)
sample 5		(ppm)
sample 6		(ppm)
sample 7		(ppm)
sample 8		(ppm)
sample 9		(ppm)
sample 10		(ppm)
sample 11		(ppm)
sample 12		(ppm)
sample 13		(ppm)
sample 14		(ppm)
sample 15		(ppm)
sample 16		(ppm)
sample 17		(ppm)
sample 18		(ppm)
sample 19		(ppm)
sample 20		(ppm)
sample 21		(ppm)
sample 22		(ppm)

OUTPUT		
Mean	Variance	N Samples
0.06	0.0007605	0.00

*blank cells should be left blank - no zero values!

D H E C

PROMOTE PROTECT PROSPER

South Carolina Department of Health and Environmental Control

STEP 2 - REVISED ESTIMATES (repeat as needed)

RT Value = [redacted] (ppm)

Chemical Concentration of: [redacted]

INPUT		
sample 1	[redacted]	(ppm)
sample 2		(ppm)
sample 3		(ppm)
sample 4		(ppm)
sample 5		(ppm)
sample 6		(ppm)
sample 7		(ppm)
sample 8		(ppm)
sample 9		(ppm)
sample 10		(ppm)
sample 11		(ppm)
sample 12		(ppm)
sample 13		(ppm)
sample 14		(ppm)
sample 15		(ppm)
sample 16		(ppm)
sample 17		(ppm)
sample 18		(ppm)
sample 19		(ppm)
sample 20		(ppm)
sample 21		(ppm)
sample 22		(ppm)

OUTPUT			
Mean	Variance	Std. Dev.	Std. Error
0.01	0.00	0.02	0.00

Based on the relationship between the Mean and RT Value, the Chemical Concentration is:
NON-HAZARDOUS
CONTINUE WITH STUDY

USE TRANSFORMED DATA	
Conf. Interval Upper Limit	Conf. Interval Lower Limit
0.01	0.00

Based on the relationship between the C.I. Upper Limit and the RT Value, the Chemical Concentration is:
NON-HAZARDOUS

N SAMPLES:	N/A

D H E C

PROMOTE PROTECT PROSPER

South Carolina Department of Health and Environmental Control

"T" TEST

	CALCU. "T" VALUE	DEGREES OF FREEDOM	TABULATED "T" VALUE
Prelim. Estimate	3.078	1	3.078
Rev. Estimate	1.33	2	1.886
		3	1.638
		4	1.533
		5	1.476
		6	1.440
		7	1.415
		8	1.397
		9	1.393
		10	1.372
		11	1.363
		12	1.356
		13	1.350
		14	1.345
		15	1.341
		16	1.337
		17	1.333
		18	1.330
		19	1.328
		20	1.325
		21	1.323
		22	1.321

D H E C

PROMOTE PROTECT PROSPER

South Carolina Department of Health and Environmental Control

SIMPLE RANDOM SAMPLING METHOD FOR HAZARDOUS WASTES

STEP 1 - PRELIMINARY ESTIMATES

RT Value = [redacted] (ppm) Chemical Concentration of: [redacted]

INPUT		
sample 1	[redacted]	(ppm)
sample 2		(ppm)
sample 3		(ppm)
sample 4		(ppm)
sample 5		(ppm)
sample 6		(ppm)
sample 7		(ppm)
sample 8		(ppm)
sample 9		(ppm)
sample 10		(ppm)
sample 11		(ppm)
sample 12		(ppm)
sample 13		(ppm)
sample 14		(ppm)
sample 15		(ppm)
sample 16		(ppm)
sample 17		(ppm)
sample 18		(ppm)
sample 19		(ppm)
sample 20		(ppm)
sample 21		(ppm)
sample 22		(ppm)

OUTPUT		
Mean	Variance	N Samples
0.07	0.000512	0.00

*blank cells should be left blank - no zero values!

D H E C

PROMOTE PROTECT PROSPER

South Carolina Department of Health and Environmental Control

STEP 2 - REVISED ESTIMATES (repeat as needed)

RT Value = [redacted] (ppm)

Chemical Concentration of: [redacted]

INPUT		
sample 1	[redacted]	(ppm)
sample 2		(ppm)
sample 3		(ppm)
sample 4		(ppm)
sample 5		(ppm)
sample 6		(ppm)
sample 7		(ppm)
sample 8		(ppm)
sample 9		(ppm)
sample 10		(ppm)
sample 11		(ppm)
sample 12		(ppm)
sample 13		(ppm)
sample 14		(ppm)
sample 15		(ppm)
sample 16		(ppm)
sample 17		(ppm)
sample 18		(ppm)
sample 19		(ppm)
sample 20		(ppm)
sample 21		(ppm)
sample 22		(ppm)

OUTPUT			
Mean	Variance	Std. Dev.	Std. Error
0.01	0.00	0.02	0.00

Based on the relationship between the Mean and RT Value, the Chemical Concentration is:
NON-HAZARDOUS
CONTINUE WITH STUDY

USE TRANSFORMED DATA	
Conf. Interval Upper Limit	Conf. Interval Lower Limit
0.01	0.00

Based on the relationship between the C.I. Upper Limit and the RT Value, the Chemical Concentration is:
NON-HAZARDOUS

N SAMPLES:	N/A

D H E C

PROMOTE PROTECT PROSPER

South Carolina Department of Health and Environmental Control

"T" TEST

	CALCU. "T" VALUE	DEGREES OF FREEDOM	TABULATED "T" VALUE
Prelim. Estimate	3.078	1	3.078
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		3	1.638
		4	1.533
		5	1.476
		6	1.440
		7	1.415
		8	1.397
		9	1.393
		10	1.372
		11	1.363
		12	1.356
		13	1.350
		14	1.345
		15	1.341
		16	1.337
		17	1.333
		18	1.330
		19	1.328
		20	1.325
		21	1.323
		22	1.321

D H E C

PROMOTE PROTECT PROSPER

South Carolina Department of Health and Environmental Control

SIMPLE RANDOM SAMPLING METHOD FOR HAZARDOUS WASTES

STEP 1 - PRELIMINARY ESTIMATES

RT Value = [redacted] (ppm) Chemical Concentration of: [redacted]

INPUT		
sample 1	[redacted]	(ppm)
sample 2		(ppm)
sample 3		(ppm)
sample 4		(ppm)
sample 5		(ppm)
sample 6		(ppm)
sample 7		(ppm)
sample 8		(ppm)
sample 9		(ppm)
sample 10		(ppm)
sample 11		(ppm)
sample 12		(ppm)
sample 13		(ppm)
sample 14		(ppm)
sample 15		(ppm)
sample 16		(ppm)
sample 17		(ppm)
sample 18		(ppm)
sample 19		(ppm)
sample 20		(ppm)
sample 21		(ppm)
sample 22		(ppm)

OUTPUT		
Mean	Variance	N Samples
0.12	0.005832	0.00

*blank cells should be left blank - no zero values!

DHEC

PROMOTE PROTECT PROSPER

South Carolina Department of Health and Environmental Control

STEP 2 - REVISED ESTIMATES (repeat as needed)

RT Value = [redacted] (ppm)

Chemical Concentration of: [redacted]

INPUT		
sample 1	[redacted]	(ppm)
sample 2		(ppm)
sample 3		(ppm)
sample 4		(ppm)
sample 5		(ppm)
sample 6		(ppm)
sample 7		(ppm)
sample 8		(ppm)
sample 9		(ppm)
sample 10		(ppm)
sample 11		(ppm)
sample 12		(ppm)
sample 13		(ppm)
sample 14		(ppm)
sample 15		(ppm)
sample 16		(ppm)
sample 17		(ppm)
sample 18		(ppm)
sample 19		(ppm)
sample 20		(ppm)
sample 21		(ppm)
sample 22		(ppm)

OUTPUT			
Mean	Variance	Std. Dev.	Std. Error
0.01	0.00	0.04	0.01

Based on the relationship between the Mean and RT Value, the Chemical Concentration is:
NON-HAZARDOUS
CONTINUE WITH STUDY

USE TRANSFORMED DATA	
Conf. Interval Upper Limit	Conf. Interval Lower Limit
0.02	0.00

Based on the relationship between the C.I. Upper Limit and the RT Value, the Chemical Concentration is:
NON-HAZARDOUS

N SAMPLES:	N/A

D H E C

PROMOTE PROTECT PROSPER

South Carolina Department of Health and Environmental Control

"T" TEST

	CALCU. "T" VALUE	DEGREES OF FREEDOM	TABULATED "T" VALUE
Prelim. Estimate	3.078	1	3.078
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		4	1.533
		5	1.476
		6	1.440
		7	1.415
		8	1.397
		9	1.393
		10	1.372
		11	1.363
		12	1.356
		13	1.350
		14	1.345
		15	1.341
		16	1.337
		17	1.333
		18	1.330
		19	1.328
		20	1.325
		21	1.323
		22	1.321

D H E C

PROMOTE PROTECT PROSPER

South Carolina Department of Health and Environmental Control

SIMPLE RANDOM SAMPLING METHOD FOR HAZARDOUS WASTES

STEP 1 - PRELIMINARY ESTIMATES

RT Value = [redacted] (ppm) Chemical Concentration of: [redacted]

INPUT		
sample 1	[redacted]	(ppm)
sample 2		(ppm)
sample 3		(ppm)
sample 4		(ppm)
sample 5		(ppm)
sample 6		(ppm)
sample 7		(ppm)
sample 8		(ppm)
sample 9		(ppm)
sample 10		(ppm)
sample 11		(ppm)
sample 12		(ppm)
sample 13		(ppm)
sample 14		(ppm)
sample 15		(ppm)
sample 16		(ppm)
sample 17		(ppm)
sample 18		(ppm)
sample 19		(ppm)
sample 20		(ppm)
sample 21		(ppm)
sample 22		(ppm)

OUTPUT		
Mean	Variance	N Samples
0.05	0.000162	0.00

*blank cells should be left blank - no zero values!

D H E C

PROMOTE PROTECT PROSPER

South Carolina Department of Health and Environmental Control

STEP 2 - REVISED ESTIMATES (repeat as needed)

RT Value = [redacted] (ppm)

Chemical Concentration of: [redacted]

INPUT	
sample 1	[redacted] (ppm)
sample 2	(ppm)
sample 3	(ppm)
sample 4	(ppm)
sample 5	(ppm)
sample 6	(ppm)
sample 7	(ppm)
sample 8	(ppm)
sample 9	(ppm)
sample 10	(ppm)
sample 11	(ppm)
sample 12	(ppm)
sample 13	(ppm)
sample 14	(ppm)
sample 15	(ppm)
sample 16	(ppm)
sample 17	(ppm)
sample 18	(ppm)
sample 19	(ppm)
sample 20	(ppm)
sample 21	(ppm)
sample 22	(ppm)

OUTPUT			
Mean	Variance	Std. Dev.	Std. Error
0.01	0.00	0.02	0.00

Based on the relationship between the Mean and RT Value, the Chemical Concentration is:
NON-HAZARDOUS
CONTINUE WITH STUDY

USE TRANSFORMED DATA	
Conf. Interval Upper Limit	Conf. Interval Lower Limit
0.01	0.00

Based on the relationship between the C.I. Upper Limit and the RT Value, the Chemical Concentration is:
NON-HAZARDOUS

N SAMPLES:	N/A

D H E C

PROMOTE PROTECT PROSPER

South Carolina Department of Health and Environmental Control

"T" TEST

	CALCU. "T" VALUE	DEGREES OF FREEDOM	TABULATED "T" VALUE
Prelim. Estimate	3.078	1	3.078
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		3	1.638
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		6	1.440
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		10	1.372
		11	1.363
		12	1.356
		13	1.350
		14	1.345
		15	1.341
		16	1.337
		17	1.333
		18	1.330
		19	1.328
		20	1.325
		21	1.323
		22	1.321

D H E C

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STEP 1 - PRELIMINARY ESTIMATES

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INPUT		
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sample 10		(ppm)
sample 11		(ppm)
sample 12		(ppm)
sample 13		(ppm)
sample 14		(ppm)
sample 15		(ppm)
sample 16		(ppm)
sample 17		(ppm)
sample 18		(ppm)
sample 19		(ppm)
sample 20		(ppm)
sample 21		(ppm)
sample 22		(ppm)

OUTPUT		
Mean	Variance	N Samples
0.02	4.05E-05	0.00

*blank cells should be left blank - no zero values!

D H E C

PROMOTE PROTECT PROSPER

South Carolina Department of Health and Environmental Control

STEP 2 - REVISED ESTIMATES (repeat as needed)

RT Value = [redacted] (ppm)

Chemical Concentration of: [redacted]

INPUT		
sample 1	[redacted]	(ppm)
sample 2		(ppm)
sample 3		(ppm)
sample 4		(ppm)
sample 5		(ppm)
sample 6		(ppm)
sample 7		(ppm)
sample 8		(ppm)
sample 9		(ppm)
sample 10		(ppm)
sample 11		(ppm)
sample 12		(ppm)
sample 13		(ppm)
sample 14		(ppm)
sample 15		(ppm)
sample 16		(ppm)
sample 17		(ppm)
sample 18		(ppm)
sample 19		(ppm)
sample 20		(ppm)
sample 21		(ppm)
sample 22		(ppm)

OUTPUT			
Mean	Variance	Std. Dev.	Std. Error
0.00	0.00	0.01	0.00

Based on the relationship between the Mean and RT Value, the Chemical Concentration is:
NON-HAZARDOUS
CONTINUE WITH STUDY

USE TRANSFORMED DATA	
Conf. Interval Upper Limit	Conf. Interval Lower Limit
0.00	0.00

Based on the relationship between the C.I. Upper Limit and the RT Value, the Chemical Concentration is:
NON-HAZARDOUS

N SAMPLES:	N/A

D H E C

PROMOTE PROTECT PROSPER

South Carolina Department of Health and Environmental Control

"T" TEST

	CALCU. "T" VALUE	DEGREES OF FREEDOM	TABULATED "T" VALUE
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		8	1.397
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		13	1.350
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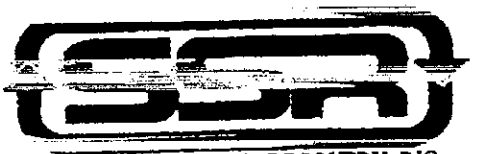
		15	1.341
		16	1.337
		17	1.333
		18	1.330
		19	1.328
		20	1.325
		21	1.323
		22	1.321



SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571

Soil Class: Class 3

Project #: 2001222

Sample #: C23-1 & C23-2

TREATMENT LEVEL VERIFICATION AND END USE NOTIFICATION FORM

TO: DUKE ENERGY PROJECT MANAGER

FROM: SSR LAURENS PLANT OPERATOR

RE: TREATMENT OF SOIL AND ACCEPTABLE END USE

THE FOLLOWING SOIL BATCH WAS TREATED TO THE APPROPRIATE TREATMENT STANDARDS AS REQUIRED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC) BUREAU OF LAND AND WASTE MANAGEMENT (BLWM) SOLID WASTE PERMIT NUMBER **#302715-8001**. THE ACCEPTABLE END USE OF THE SOILS IS AS INDICATED BELOW:

WASTE BATCH NUMBER (C3-project number-Cxxxxxx)	C3-2001222-C23
SAMPLE NUMBER FOR TREATMENT VERIFICATION (similar to Waste Batch Number)	C3-2001222-C23-1 & 2
TREATMENT RESULTS (PASS/FAIL)	PASS
APPROXIMATE TONNAGE	1000
END USE APPROVED BASED ON ANALYTICAL RESULTS	UNRESTRICTED

Certified Signature: Bobby Perrett Date: 2/20/02

Print Name, Title & Employer: BOBBY PERRETT, VICE PRESIDENT, SSR, INC.

[illegible]

Project #: 2001222

Sample #: C23-1 & C23-2

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571

Waste Approval Code Number

____

NON-HAZARDOUS WASTE PROFILE SHEET

GENERATOR INFORMATION

Generator Name: DUKE ENERGY
Phone: 704-373-7898 Contact/Title: MARK MCGARY
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

AGENT FOR GENERATOR INFORMATION (if applicable)

Agent for Generator: ENERGY DELIVERY SERVICES, INC.
Phone: 704-373-7898 Contact/Title: MARK MCGARY, MANAGER
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

WASTE DESCRIPTION

SOILS FROM MANUFACTURED GAS PLANT SITE

Process of Waste Generation: STANDARD OPERATIONS OF MGP SITE

WASTE CONSTITUENTS:

Laboratory Name	ENVIRONMENTAL SCIENCE CORPORATION
Laboratory Address	12065 LEBANON ROAD; MT JULIET, TN 37122
Laboratory Certification No.	84004
Laboratory Sample No.	L86420-01 & L86420-02

	Total (ppm)*	TCLP (ppm) as requested		Total (ppm)*	TCLP (ppm) as requested
Arsenic	n/a	n/a	PCB	n/a	XXXXXXXXXX
Barium	n/a	n/a	TPH	n/a	XXXXXXXXXX
Cadmium	n/a	n/a	BTEX	<0.067 & <0.061	XXXXXXXXXX
Chromium	n/a	n/a	Benzene	<0.067 & <0.061	n/a
Lead	n/a	n/a	TOX	n/a	XXXXXXXXXX
Mercury	n/a	n/a	Total PAH's	<0.045	XXXXXXXXXX
Selenium	n/a	n/a	Carc PAH's**	<0.045	XXXXXXXXXX
Silver	n/a	n/a			
Antimony	n/a	n/a			
Berylium	n/a	n/a			
Nickel	n/a	n/a			

* L86420-01 and L86420-02, respectively
** Carcinogenic PAH's as Benzo(a)Pyrene

By signing this profile sheet I certify that:

1.) I am the generator of the waste described on this sheet.
2.) This waste is not a regulated hazardous waste as defined by the EPA or by applicable ordinances of SC.
3.) This sheet and its attachments contain true and accurate descriptions of the waste.
4.) Any laboratory data used to support the validity of the data shown on this sheet has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, Test Methods for Evaluating Solid Waste, of exactly the same waste that I will deliver to SSR, Inc. for treatment.
5.) I certify that the laboratory results listing lab name, report date, and sample ID# are attached as support to the data certified on this application.
6.) The Laboratory Name, Address, and Certification Number are provided above in the Waste Constituents section.

Certified Signature [signature] Date: 5/-/-02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

August 19,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L86420-01

Date Received : August 15, 2002
Description : Soil - SSR - Laurens

Site ID :

Sample ID : C-23-1

Project # : 20628

Collected By : David Robinson
Collection Date : 08/14/02 15:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	73.4		%	2540G	08/16/02	1
Benzene	BDL	0.067	mg/kg	8260B	08/16/02	49
Toluene	BDL	0.33	mg/kg	8260B	08/16/02	49
Ethylbenzene	BDL	0.067	mg/kg	8260B	08/16/02	49
Total Xylenes	BDL	0.20	mg/kg	8260B	08/16/02	49
Surrogate Recovery						
Toluene-d8	98.		% Rec.	8260B	08/16/02	49
Dibromofluoromethane	86.		% Rec.	8260B	08/16/02	49
4-Bromofluorobenzene	81.		% Rec.	8260B	08/16/02	49
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.045	mg/kg	8270C	08/18/02	1
Acenaphthene	BDL	0.045	mg/kg	8270C	08/18/02	1
Acenaphthylene	BDL	0.045	mg/kg	8270C	08/18/02	1
Benzo(a)anthracene	BDL	0.045	mg/kg	8270C	08/18/02	1
Benzo(a)pyrene	BDL	0.045	mg/kg	8270C	08/18/02	1
Benzo(b)fluoranthene	BDL	0.045	mg/kg	8270C	08/18/02	1
Benzo(g,h,i)perylene	BDL	0.045	mg/kg	8270C	08/18/02	1
Benzo(k)fluoranthene	BDL	0.045	mg/kg	8270C	08/18/02	1
Chrysene	BDL	0.045	mg/kg	8270C	08/18/02	1
Dibenz(a,h)anthracene	BDL	0.045	mg/kg	8270C	08/18/02	1
Fluoranthene	BDL	0.045	mg/kg	8270C	08/18/02	1
Fluorene	BDL	0.045	mg/kg	8270C	08/18/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.045	mg/kg	8270C	08/18/02	1
Naphthalene	BDL	0.045	mg/kg	8270C	08/18/02	1
Phenanthrene	BDL	0.045	mg/kg	8270C	08/18/02	1
Pyrene	BDL	0.045	mg/kg	8270C	08/18/02	1
Surrogate Recovery						
Nitrobenzene-d5	71.		% Rec.	8270C	08/18/02	1
2-Fluorobiphenyl	92.		% Rec.	8270C	08/18/02	1
p-Terphenyl-d14	87.		% Rec.	8270C	08/18/02	1

Terrie Fudge, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461.01 AIHA - 100789 AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 2

Note:
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The reported analytical results relate only to the sample submitted
L86420-01 (V8260BTEX) - No more sodium bisulfate encores at run # 1x

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1206S Lebanon Rd.
Mt. Juliet, TN 37122.
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

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REPORT OF ANALYSIS

August 19,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L86420-02

Site ID :

Project # : 20628

Date Received : August 15, 2002
Description : Soil - SSR - Laurens

Sample ID : C-23-2

Collected By : David Robinson
Collection Date : 08/14/02 15:20

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	73.4		%	2540G	08/16/02	1
Benzene	BDL	0.061	mg/kg	8260B	08/18/02	44.1
Toluene	BDL	0.30	mg/kg	8260B	08/18/02	44.1
Ethylbenzene	BDL	0.061	mg/kg	8260B	08/18/02	44.1
Total Xylenes	BDL	0.18	mg/kg	8260B	08/18/02	44.1
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	08/18/02	44.1
Dibromofluoromethane	110		% Rec.	8260B	08/18/02	44.1
4-Bromofluorobenzene	110		% Rec.	8260B	08/18/02	44.1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.045	mg/kg	8270C	08/18/02	1
Acenaphthene	BDL	0.045	mg/kg	8270C	08/18/02	1
Acenaphthylene	BDL	0.045	mg/kg	8270C	08/18/02	1
Benzo(a)anthracene	BDL	0.045	mg/kg	8270C	08/18/02	1
Benzo(a)pyrene	BDL	0.045	mg/kg	8270C	08/18/02	1
Benzo(b)fluoranthene	BDL	0.045	mg/kg	8270C	08/18/02	1
Benzo(g,h,i)perylene	BDL	0.045	mg/kg	8270C	08/18/02	1
Benzo(k)fluoranthene	BDL	0.045	mg/kg	8270C	08/18/02	1
Chrysene	BDL	0.045	mg/kg	8270C	08/18/02	1
Dibenz(a,h)anthracene	BDL	0.045	mg/kg	8270C	08/18/02	1
Fluoranthene	BDL	0.045	mg/kg	8270C	08/18/02	1
Fluorene	BDL	0.045	mg/kg	8270C	08/18/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.045	mg/kg	8270C	08/18/02	1
Naphthalene	BDL	0.045	mg/kg	8270C	08/18/02	1
Phenanthrene	BDL	0.045	mg/kg	8270C	08/18/02	1
Pyrene	BDL	0.045	mg/kg	8270C	08/18/02	1
Surrogate Recovery						
Nitrobenzene-d5	71.		% Rec.	8270C	08/18/02	1
2-Fluorobiphenyl	87.		% Rec.	8270C	08/18/02	1
p-Terphenyl-d14	85.		% Rec.	8270C	08/18/02	1

Terrie Fudge, ESC Representat

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, IN - 2006, VA - 00109, WV -

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L86420-02 (V82608TEX) - No more stir bars left to run

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L86420-01	Benzene	HO
	Toluene	HO
	Ethylbenzene	HO
	Total Xylenes	HO
L86420-02	Benzene	HJ40
	Toluene	HO
	Ethylbenzene	HO
	Total Xylenes	HO

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
O	(ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary dilution.
J4	The associated batch QC did not successfully meet the established quality control criteria for accuracy.
H	RIN(EPA)-Re-Analyzed: The indicated analytical results were generated from a reinjection of the same sample extract or aliquot.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

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1206S Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1 800 767 5859
Fax (615) 758-5859

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Terry Environmental Services
Mr. Jason Terry
P O Box 41784

Charleston, SC 29423

Quality Assurance Report
Level II

L86420

August 19, 2002

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
Total Solids	0.00	%	08/16/02 06:37	WG80574
Benzene	< .001	mg/l	08/16/02 08:10	WG80643
Ethylbenzene	< .001	mg/l	08/16/02 08:10	WG80643
Toluene	< .005	mg/l	08/16/02 08:10	WG80643
Total Xylenes	< .003	mg/l	08/16/02 08:10	WG80643
Acenaphthene	< .33	mg/kg	08/18/02 17:45	WG80702
Acenaphthylene	< .33	mg/kg	08/18/02 17:45	WG80702
Anthracene	< .33	mg/kg	08/18/02 17:45	WG80702
Benzo(a)anthracene	< .33	mg/kg	08/18/02 17:45	WG80702
Benzo(a)pyrene	< .33	mg/kg	08/18/02 17:45	WG80702
Benzo(b)fluoranthene	< .33	mg/kg	08/18/02 17:45	WG80702
Benzo(g,h,i)perylene	< .33	mg/kg	08/18/02 17:45	WG80702
Benzo(k)fluoranthene	< .33	mg/kg	08/18/02 17:45	WG80702
Chrysene	< .33	mg/kg	08/18/02 17:45	WG80702
Dibenz(a,h)anthracene	< .33	mg/kg	08/18/02 17:45	WG80702
Fluoranthene	< .33	mg/kg	08/18/02 17:45	WG80702
Fluorene	< .33	mg/kg	08/18/02 17:45	WG80702
Indeno(1,2,3-cd)pyrene	< .33	mg/kg	08/18/02 17:45	WG80702
Naphthalene	< .33	mg/kg	08/18/02 17:45	WG80702
Phenanthrene	< .33	mg/kg	08/18/02 17:45	WG80702
Pyrene	< .33	mg/kg	08/18/02 17:45	WG80702
Benzene	< .001	mg/l	08/18/02 12:31	WG80835
Ethylbenzene	< .001	mg/l	08/18/02 12:31	WG80835
Toluene	< .005	mg/l	08/18/02 12:31	WG80835
Total Xylenes	< .003	mg/l	08/18/02 12:31	WG80835

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Batch
Total Solids	%	82.5	82.4	0.102	20	WG80574

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Total Solids	%	50	50.0	100.	85-115	WG80574
Benzene	mg/l	.02	0.0205	102.	75-133	WG80643
Ethylbenzene	mg/l	.02	0.0187	93.7	73-123	WG80643
Toluene	mg/l	.02	0.0198	99.1	74-125	WG80643
Total Xylenes	mg/l	.06	0.0611	102.	68-135	WG80643
Acenaphthene	mg/kg	1.67	2.17	130.	50-125	WG80702
Acenaphthylene	mg/kg	1.67	2.41	144.	51-136	WG80702
Anthracene	mg/kg	1.67	2.20	132.	54-126	WG80702
Benzo(a)anthracene	mg/kg	1.67	2.12	127.	54-123	WG80702
Benzo(a)pyrene	mg/kg	1.67	2.13	128.	59-127	WG80702
Benzo(b)fluoranthene	mg/kg	1.67	2.15	128.	57-132	WG80702
Benzo(g,h,i)perylene	mg/kg	1.67	2.14	128.	39-161	WG80702
Benzo(k)fluoranthene	mg/kg	1.67	2.15	129.	54-127	WG80702
Chrysene	mg/kg	1.67	2.22	133.	53-125	WG80702
Dibenz(a,h)anthracene	mg/kg	1.67	2.23	134.	43-176	WG80702
Fluoranthene	mg/kg	1.67	2.16	129.	50-126	WG80702
Fluorene	mg/kg	1.67	2.18	130.	50-126	WG80702
Indeno(1,2,3-cd)pyrene	mg/kg	1.67	2.15	129.	42-155	WG80702
Naphthalene	mg/kg	1.67	1.98	119.	46-112	WG80702
Phenanthrene	mg/kg	1.67	2.20	132.	54-122	WG80702
Pyrene	mg/kg	1.67	2.10	126.	50-127	WG80702

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Mt. Juliet, TN 37122
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Mr. Jason Terry
P.O. Box 41794

Charleston, SC 29423

Quality Assurance Report
Level II

L86420

August 19, 2002

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Benzene	mg/l	.02	0.0269	134.	75-133	WG80835
Ethylbenzene	mg/l	.02	0.0173	86.7	73-123	WG80835
Toluene	mg/l	.02	0.0187	93.7	74-125	WG80835
Total Xylenes	mg/l	.06	0.0512	85.4	68-135	WG80835

Analyte	Units	Laboratory Control Sample Duplicate LCSD Res	Ref Res	RPD	Limit	Ref Samp	Batch
Benzene	mg/l	0.0192	0.0205	6.46	31	R133145-2	WG80643
Ethylbenzene	mg/l	0.0172	0.0187	8.51	31	R133145-2	WG80643
Toluene	mg/l	0.0185	0.0198	7.00	29	R133145-2	WG80643
Total Xylenes	mg/l	0.0561	0.0611	8.58	18	R133145-2	WG80643
Acenaphthene	mg/kg	1.42	2.17	41.5	21	R133255-4	WG80702
Acenaphthylene	mg/kg	1.60	2.41	40.1	21	R133255-4	WG80702
Anthracene	mg/kg	1.43	2.20	42.6	20	R133255-4	WG80702
Benzo(a)anthracene	mg/kg	1.49	2.12	35.8	20	R133255-4	WG80702
Benzo(a)pyrene	mg/kg	1.49	2.13	35.8	22	R133255-4	WG80702
Benzo(b)fluoranthene	mg/kg	1.55	2.14	32.1	24	R133255-4	WG80702
Benzo(g,h,i)perylene	mg/kg	1.46	2.14	37.6	33	R133255-4	WG80702
Benzo(k)fluoranthene	mg/kg	1.43	2.15	39.9	23	R133255-4	WG80702
Chrysene	mg/kg	1.52	2.22	37.7	21	R133255-4	WG80702
Dibenz(a,h)anthracene	mg/kg	1.54	2.23	36.7	28	R133255-4	WG80702
Fluoranthene	mg/kg	1.48	2.16	37.1	21	R133255-4	WG80702
Fluorene	mg/kg	1.47	2.18	38.9	22	R133255-4	WG80702
Indeno(1,2,3-cd)pyrene	mg/kg	1.49	2.15	35.9	29	R133255-4	WG80702
Naphthalene	mg/kg	1.30	1.98	41.7	21	R133255-4	WG80702
Phenanthrene	mg/kg	1.41	2.20	44.0	20	R133255-4	WG80702
Pyrene	mg/kg	1.43	2.10	37.8	24	R133255-4	WG80702
Benzene	mg/kg	0.0211	0.0269	24.1	31	R133273-2	WG80835
Ethylbenzene	mg/kg	0.0167	0.0173	7.26	31	R133273-2	WG80835
Toluene	mg/kg	0.0197	0.0187	5.00	29	R133273-2	WG80835
Total Xylenes	mg/kg	0.0559	0.0512	8.83	18	R133273-2	WG80835

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Benzene	mg/kg	0.0839	0.00	0.99	8.48	63-140	L86420-01	WG80643
Ethylbenzene	mg/kg	0.0873	0.00	0.98	8.91	63-129	L86420-01	WG80643
Toluene	mg/kg	0.0900	0.00	0.98	9.18	64-129	L86420-01	WG80643
Total Xylenes	mg/kg	0.283	0.00	2.94	9.64	48-151	L86420-01	WG80643
Acenaphthene	mg/kg	0.869	0.0030	1.67	51.9	50-126	L86400-01	WG80702
Acenaphthylene	mg/kg	0.946	0.0000	1.67	56.6	50-126	L86400-01	WG80702
Anthracene	mg/kg	1.30	0.0013	1.67	77.8	21-125	L86400-01	WG80702
Benzo(a)anthracene	mg/kg	1.29	0.0051	1.67	76.8	52-125	L86400-01	WG80702
Benzo(a)pyrene	mg/kg	1.34	0.0003	1.67	80.2	53-127	L86400-01	WG80702
Benzo(b)fluoranthene	mg/kg	1.32	0.0010	1.67	79.0	31-135	L86400-01	WG80702
Benzo(g,h,i)perylene	mg/kg	1.31	0.0006	1.67	78.5	38-151	L86400-01	WG80702
Benzo(k)fluoranthene	mg/kg	1.32	0.0007	1.67	79.2	47-131	L86400-01	WG80702
Chrysene	mg/kg	1.34	0.0014	1.67	80.4	51-126	L86400-01	WG80702
Dibenz(a,h)anthracene	mg/kg	1.37	0.0018	1.67	82.0	39-160	L86400-01	WG80702
Fluoranthene	mg/kg	1.33	0.0009	1.67	79.7	47-127	L86400-01	WG80702
Fluorene	mg/kg	1.07	0.0031	1.67	63.9	48-126	L86400-01	WG80702
Indeno(1,2,3-cd)pyrene	mg/kg	1.31	0.0003	1.67	78.6	43-146	L86400-01	WG80702
Naphthalene	mg/kg	0.927	0.286	1.67	40.2	43-117	L86400-01	WG80702
Phenanthrene	mg/kg	1.29	0.0036	1.67	77.2	50-126	L86400-01	WG80702
Pyrene	mg/kg	1.31	0.0003	1.67	78.4	43-134	L86400-01	WG80702

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(615) 758-5858
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Mr. Jason Terry

Charleston, SC 29423

Quality Assurance Report
Level II
L86420

August 19, 2002

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
		Matrix Spike						
Ethylbenzene	mg/l	0.0784	0.0095	0.89	7.74	65-129	L86420-02	WG80835
Toluene	mg/l	0.0935	0.0298	0.89	7.16	64-129	L86420-02	WG80835
Total Xylenes	mg/l	0.256	0.0460	2.67	7.85	48-151	L86420-02	WG80835

Analyte	Units	MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
		Matrix Spike Duplicate						
Benzene	mg/kg	0.0948	0.0939	1.04	31	94.8	L86420-01	WG8064
Ethylbenzene	mg/kg	0.0873	0.0873	0.0229	31	87.3	L86420-01	WG8064
Toluene	mg/kg	0.0925	0.0900	2.73	29	92.5	L86420-01	WG8064
Total Xylenes	mg/kg	0.287	0.283	1.32	18	95.7	L86420-01	WG8064
Acenaphthene	mg/kg	0.808	0.869	7.37	21	48.2	L86400-01	WG8070
Acenaphthylene	mg/kg	0.851	0.945	10.5	21	50.9	L86400-01	WG8070
Anthracene	mg/kg	1.35	1.30	4.00	20	81.0	L86400-01	WG8070
Benzo(a)anthracene	mg/kg	1.34	1.29	4.29	20	80.2	L86400-01	WG8070
Benzo(a)pyrene	mg/kg	1.41	1.34	5.09	22	84.3	L86400-01	WG8070
Benzo(b)fluoranthene	mg/kg	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	L86400-01	WG8070
Benzo(g,h,i)perylene	mg/kg	1.44	1.31	9.44	33	86.3	L86400-01	WG8070
Benzo(k)fluoranthene	mg/kg	1.44	1.32	8.61	23	86.4	L86400-01	WG8070
Chrysene	mg/kg	1.51	1.34	11.6	21	90.4	L86400-01	WG8070
Dibenz(a,h)anthracene	mg/kg	1.48	1.37	8.04	25	87.2	L86400-01	WG8070
Fluoranthene	mg/kg	1.38	1.33	3.36	21	82.4	L86400-01	WG8070
Fluorene	mg/kg	1.04	1.07	3.04	22	62.0	L86400-01	WG8070
Indeno(1,2,3-cd)pyrene	mg/kg	1.44	1.31	9.30	29	86.3	L86400-01	WG8070
Naphthalene	mg/kg	0.800	0.927	14.7	21	32.6	L86400-01	WG8070
Phenanthrene	mg/kg	1.32	1.29	1.95	22	78.7	L86400-01	WG8070
Pyrene	mg/kg	1.39	1.31	6.19	24	83.4	L86400-01	WG8070
Benzene	mg/l	0.106	0.0921	13.8	31	2.12		WG8083
Ethylbenzene	mg/l	0.0780	0.0784	0.614	31	68.4	L86420-02	WG8083
Toluene	mg/l	0.0889	0.0935	4.99	29	59.1	L86420-02	WG8083
Total Xylenes	mg/l	0.252	0.256	1.60	18	68.5	L86420-02	WG8083

Batch number /Run number / Sample number cross reference

WG80643: R133145: L86420-01
WG80702: R133255: L86420-01 02
WG80574: R133256: L86420-01 02
WG80835: R133273: L86420-02

* See Attachment B of standard report for list of qualifiers.
* Calculations are performed prior to rounding of reported values .

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Quality Assurance Report
Level II

L86420

August 19, 2002

ESC Level 2 Data Package

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of regent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29671

Soil Class: Class 3

Project #: 2001222

Sample #: C24-A & C24-B

TREATMENT LEVEL VERIFICATION AND END USE NOTIFICATION FORM

TO: DUKE ENERGY PROJECT MANAGER

FROM: SSR LAURENS PLANT OPERATOR

RE: TREATMENT OF SOIL AND ACCEPTABLE END USE

THE FOLLOWING SOIL BATCH WAS TREATED TO THE APPROPRIATE TREATMENT STANDARDS AS REQUIRED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC) BUREAU OF LAND AND WASTE MANAGEMENT (BLWM) SOLID WASTE PERMIT NUMBER #302715-8001. THE ACCEPTABLE END USE OF THE SOILS IS AS INDICATED BELOW:

WASTE BATCH NUMBER (C3-project number-Cxxxxxx)	C3-2001222-C24
SAMPLE NUMBER FOR TREATMENT VERIFICATION (similar to Waste Batch Number)	C3-2001222-C24-A & B
TREATMENT RESULTS (PASS/FAIL)	PASS
APPROXIMATE TONNAGE	1000
END USE APPROVED BASED ON ANALYTICAL RESULTS	UNRESTRICTED

Certified Signature Bobby K Perrett Date: 8/22/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

Soil Class: Class 3

Sample #: C24-A & C24-B

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571

Waste Approval Code Number

NON-HAZARDOUS WASTE PROFILE SHEET

GENERATOR INFORMATION

Generator Name: DUKE ENERGY
Phone: 704-373-7998 Contact/Title: MARK MCGARY
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

AGENT FOR GENERATOR INFORMATION (if applicable)

Agent for Generator: ENERGY DELIVERY SERVICES, INC.
Phone: 704-373-7998 Contact/Title: MARK MCGARY, MANAGER
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

WASTE DESCRIPTION

SOILS FROM MANUFACTURED GAS PLANT SITE

Process of Waste Generation: STANDARD OPERATIONS OF MGP SITE

WASTE CONSTITUENTS:

Laboratory Name	ENVIRONMENTAL SCIENCE CORPORATION				
Laboratory Address	12065 LEBANON ROAD; MT JULIET, TN 37122				
Laboratory Certification No.	84004				
Laboratory Sample No.	L86723-01 & L86723-02				
	Total (ppm)*	**TCLP (ppm) as requested**		**Total (ppm)***	**TCLP (ppm) as requested**
Arsenic	n/a	n/a	**PCB**	n/a	XXXXXXXXX
Barium	n/a	n/a	**TPH**	n/a	XXXXXXXXX
Cadmium	n/a	n/a	**BTEX**	<0.085 & <0.076	XXXXXXXXX
Chromium	n/a	n/a	**Benzene**	<0.085 & 0.011	n/a
Lead	n/a	n/a	**TOX**	n/a	XXXXXXXXX
Mercury	n/a	n/a	**Total PAH's**	0.529 & 0.741	XXXXXXXXX
Selenium	n/a	n/a	**Carc PAH's****	<0.045 & <0.044	XXXXXXXXX
Silver	n/a	n/a			
Antimony	n/a	n/a			
Berylium	n/a	n/a			
Nickel	n/a	n/a			

* L86723-01 and L86723-02, respectively
** Carcinogenic PAH's as Benzo(a)Pyrene

By signing this profile sheet I certify that:
1.) I am the generator of the waste described on this sheet.
2.) This waste is not a regulated hazardous waste as defined by the EPA or by applicable ordinances of SC.
3.) This sheet and its attachments contain true and accurate descriptions of the waste.
4.) Any laboratory data used to support the validity of the data shown on this sheet has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, Test Methods for Evaluating Solid Waste, of exactly the same waste that I will deliver to SSR, Inc. for treatment.
5.) I certify that the laboratory results listing lab name, report date, and sample ID# are attached as support to the data certified on this application.
6.) The Laboratory Name, Address, and Certification Number are provided above in the Waste Constituents section.

Certified Signature: _____ Date: 8/22/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

August 22,2002

ESC Sample # : L86723-01

Site ID :

Project # : 20628

Date Received : August 17, 2002
Description : SSR - Laurens

Sample ID : C-24-A

Collected By : David Robinson
Collection Date : 08/14/02 12:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	73.8		%	2540G	08/19/02	1
Benzene	BDL	0.085	mg/kg	8260B	08/20/02	62.5
Toluene	BDL	0.42	mg/kg	8260B	08/20/02	62.5
Ethylbenzene	BDL	0.085	mg/kg	8260B	08/20/02	62.5
Total Xylenes	BDL	0.25	mg/kg	8260B	08/20/02	62.5
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	08/20/02	62.5
Dibromofluoromethane	100		% Rec.	8260B	08/20/02	62.5
4-Bromofluorobenzene	97.		% Rec.	8260B	08/20/02	62.5
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.045	mg/kg	8270C	08/21/02	1
Acenaphthene	BDL	0.045	mg/kg	8270C	08/21/02	1
Acenaphthylene	BDL	0.045	mg/kg	8270C	08/21/02	1
Benzo(a)anthracene	0.046	0.045	mg/kg	8270C	08/21/02	1
Benzo(a)pyrene	BDL	0.045	mg/kg	8270C	08/21/02	1
Benzo(b)fluoranthene	0.066	0.045	mg/kg	8270C	08/21/02	1
Benzo(g,h,i)perylene	BDL	0.045	mg/kg	8270C	08/21/02	1
Benzo(k)fluoranthene	BDL	0.045	mg/kg	8270C	08/21/02	1
Chrysene	0.057	0.045	mg/kg	8270C	08/21/02	1
Dibenz(a,h)anthracene	BDL	0.045	mg/kg	8270C	08/21/02	1
Fluoranthene	0.11	0.045	mg/kg	8270C	08/21/02	1
Fluorene	BDL	0.045	mg/kg	8270C	08/21/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.045	mg/kg	8270C	08/21/02	1
Naphthalene	0.060	0.045	mg/kg	8270C	08/21/02	1
Phenanthrene	0.12	0.045	mg/kg	8270C	08/21/02	1
Pyrene	0.070	0.045	mg/kg	8270C	08/21/02	1
Surrogate Recovery						
Nitrobenzene-d5	41.		% Rec.	8270C	08/21/02	1
2-Fluorobiphenyl	47.		% Rec.	8270C	08/21/02	1
p-Terphenyl-d14	51.		% Rec.	8270C	08/21/02	1

Terrie Fudge, ESC Representat

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-
KY - 90010, KYUST - 0016, NC ENV375,DW21704, ND - R-140, SC - 84004, TN 2006, VA 00108, WV - 2

Note:
This report shall not be reproduced, except in full, without the written approval from ESC.
The reported analytical results relate only to the sample submitted
L86723-01 (WG20081EA) - No more stir bars left to run

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12065 Lebanon Rd.
Mt. Juliet, TN 37122
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1-800-767-5859
Fax (615) 758-5859

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REPORT OF ANALYSIS

August 22,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L86723-02

Date Received : August 17, 2002
Description : SSR - Laurens

Site ID :

Sample ID : C-24-B

Project # : 20628

Collected By : David Robinson
Collection Date : 08/14/02 10:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil
Total Solids	75.0		%	2540G	08/19/02	1
Benzene	0.011	0.0015	mg/kg	8260B	08/19/02	1.1
Toluene	BDL	0.0076	mg/kg	8260B	08/19/02	1.1
Ethylbenzene	BDL	0.0015	mg/kg	8260B	08/19/02	1.1
Total Xylenes	BDL	0.0046	mg/kg	8260B	08/19/02	1.1
Surrogate Recovery						
Toluene-d8	97.		% Rec.	8260B	08/19/02	1.1
Dibromofluoromethane	95.		% Rec.	8260B	08/19/02	1.1
4-Bromofluorobenzene	85.		% Rec.	8260B	08/19/02	1.1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.044	mg/kg	8270C	08/21/02	1
Acenaphthene	BDL	0.044	mg/kg	8270C	08/21/02	1
Acenaphthylene	BDL	0.044	mg/kg	8270C	08/21/02	1
Benzo(a)anthracene	0.064	0.044	mg/kg	8270C	08/21/02	1
Benzo(a)pyrene	BDL	0.044	mg/kg	8270C	08/21/02	1
Benzo(b)fluoranthene	0.095	0.044	mg/kg	8270C	08/21/02	1
Benzo(g,h,i)perylene	BDL	0.044	mg/kg	8270C	08/21/02	1
Benzo(k)fluoranthene	BDL	0.044	mg/kg	8270C	08/21/02	1
Chrysene	0.092	0.044	mg/kg	8270C	08/21/02	1
Dibenz(a,h)anthracene	BDL	0.044	mg/kg	8270C	08/21/02	1
Fluoranthene	0.17	0.044	mg/kg	8270C	08/21/02	1
Fluorene	BDL	0.044	mg/kg	8270C	08/21/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.044	mg/kg	8270C	08/21/02	1
Naphthalene	0.050	0.044	mg/kg	8270C	08/21/02	1
Phenanthrene	0.17	0.044	mg/kg	8270C	08/21/02	1
Pyrene	0.10	0.044	mg/kg	8270C	08/21/02	1
Surrogate Recovery						
Nitrobenzene-d5	32.		% Rec.	8270C	08/21/02	1
2-Fluorobiphenyl	48.		% Rec.	8270C	08/21/02	1
p-Terphenyl-d14	63.		% Rec.	8270C	08/21/02	1

Turrie Fudge, ESC Representat

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)
Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 2
Note:

The reported analytical results relate only to the sample submitted

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L86723-01	Benzene	HO
	Toluene	HO
	Ethylbenzene	HO
	Total Xylenes	HO
	Nitrobenzene-d5	J2
L86723-02	Benzene	H
	Toluene	H
	Ethylbenzene	H
	Total Xylenes	H
	Nitrobenzene-d5	J2

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
H	RIN(EPA)-Re-Analyzed: The indicated analytical results were generated from a reinjection of the same sample extract or aliquot.
D	(ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary dilution.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

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Terry Environmental Services
Mr. Jason Terry
P.O. Box 41784

Charleston, SC 29423

Quality Assurance Report
Level II

L86723

August 22, 2002

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
Benzene	< .001	mg/kg	08/19/02 09:41	WG80846
Ethylbenzene	< .001	mg/kg	08/19/02 09:41	WG80846
Toluene	< .005	mg/kg	08/19/02 09:41	WG80846
Total Xylenes	< .003	mg/kg	08/19/02 09:41	WG80846
Total Solids	0.00	%	08/19/02 11:23	WG80850
Acenaphthene	< .33	mg/kg	08/20/02 19:04	WG81006
Acenaphthylene	< .33	mg/kg	08/20/02 19:04	WG81006
Anthracene	< .33	mg/kg	08/20/02 19:04	WG81006
Benzo(a)anthracene	< .33	mg/kg	08/20/02 19:04	WG81006
Benzo(a)pyrene	< .33	mg/kg	08/20/02 19:04	WG81006
Benzo(b)fluoranthene	< .33	mg/kg	08/20/02 19:04	WG81006
Benzo(g,h,i)perylene	< .33	mg/kg	08/20/02 19:04	WG81006
Benzo(k)fluoranthene	< .33	mg/kg	08/20/02 19:04	WG81006
Chrysene	< .33	mg/kg	08/20/02 19:04	WG81006
Dibenz(a,h)anthracene	< .33	mg/kg	08/20/02 19:04	WG81006
Fluoranthene	< .33	mg/kg	08/20/02 19:04	WG81006
Fluorene	< .33	mg/kg	08/20/02 19:04	WG81006
Indeno(1,2,3-cd)pyrene	< .33	mg/kg	08/20/02 19:04	WG81006
Naphthalene	< .33	mg/kg	08/20/02 19:04	WG81006
Phenanthrene	< .33	mg/kg	08/20/02 19:04	WG81006
Pyrene				
Benzene	< .001	mg/l	08/20/02 10:28	WG81029
Ethylbenzene	< .001	mg/l	08/20/02 10:28	WG81029
Toluene	< .005	mg/l	08/20/02 10:28	WG81029
Total Xylenes	< .003	mg/l	08/20/02 10:28	WG81029

Analyte	Units	Duplicate Result	Duplicate	RPD	Limit	Batch
Total Solids	%	75.8	75.0	1.06	20	WG80850

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Benzene	mg/kg	.02	0.0165	82.6	75-133	WG80846
Ethylbenzene	mg/kg	.02	0.0188	93.9	73-123	WG80846
Toluene	mg/kg	.02	0.0172	86.2	74-125	WG80846
Total Xylenes	mg/kg	.06	0.0622	104.	68-135	WG80846
Total Solids	%	50	50.0	100.	85-115	WG80850
Acenaphthene	mg/kg	1.67	1.30	77.9	50-125	WG81006
Acenaphthylene	mg/kg	1.67	1.48	88.8	51-136	WG81006
Anthracene	mg/kg	1.67	1.37	82.0	54-126	WG81006
Benzo(a)anthracene	mg/kg	1.67	1.29	77.1	54-123	WG81006
Benzo(a)pyrene	mg/kg	1.67	1.30	78.1	59-127	WG81006
Benzo(b)fluoranthene	mg/kg	1.67	1.39	83.4	57-132	WG81006
Benzo(g,h,i)perylene	mg/kg	1.67	1.14	68.4	39-161	WG81006
Benzo(k)fluoranthene	mg/kg	1.67	1.26	75.6	54-127	WG81006
Chrysene	mg/kg	1.67	1.33	79.8	53-125	WG81006
Dibenz(a,h)anthracene	mg/kg	1.67	1.27	76.0	43-170	WG81006
Fluoranthene	mg/kg	1.67	1.31	78.7	50-126	WG81006
Fluorene	mg/kg	1.67	1.33	79.6	50-126	WG81006
Indeno(1,2,3-cd)pyrene	mg/kg	1.67	1.18	70.7	42-155	WG81006
Naphthalene	mg/kg	1.67	1.23	73.4	46-112	WG81006
Phenanthrene	mg/kg	1.67	1.32	79.0	54-122	WG81006
Pyrene	mg/kg	1.67	1.39	83.0	50-127	WG81006

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Terry Environmental Services
Mr. Jason Terry
P.O. Box 41784

Charleston, SC 29423

Quality Assurance Report
Level II

L86723

August 22, 2002

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Benzene	mg/l	.02	0.0218	109.	75-133	WG81029
Ethylbenzene	mg/l	.02	0.0194	96.9	73-123	WG81029
Toluene	mg/l	.02	0.0203	102.	74-125	WG81029
Total Xylenes	mg/l	.06	0.0616	103.	68-135	WG81029

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref Res	RPD	Limit	Ref Samp	Batch
Benzene	mg/kg	0.0170	0.0165	2.92	31	R133335-4	WG80846
Ethylbenzene	mg/kg	0.0181	0.0188	3.86	31	R133335-4	WG80846
Toluene	mg/kg	0.0177	0.0172	2.82	30	[illegible]	WG80846
Total Xylenes	mg/kg	0.0599	0.0622	3.76	18	R133335-4	WG80846
Acenaphthene	mg/kg	1.44	1.30	10.5	21	R133549-4	WG81006
Acenaphthylene	mg/kg	1.59	1.48	7.21	21	R133549-4	WG81006
Anthracene	mg/kg	1.47	1.37	6.93	20	R133549-4	WG81006
Benzo(a)anthracene	mg/kg	1.38	1.29	7.31	20	R133549-4	WG81006
Benzo(a)pyrene	mg/kg	1.48	1.30	12.3	22	R133549-4	WG81006
Benzo(b)fluoranthene	mg/kg	1.45	1.39	4.21	24	R133549-4	WG81006
Benzo(g,h,i)perylene	mg/kg	1.25	1.14	8.91	33	R133549-4	WG81006
Benzo(k)fluoranthene	mg/kg	1.59	1.26	23.3	23	R133549-4	WG81006
Chrysene	mg/kg	1.50	1.33	11.9	21	[illegible]	WG81006
Dibenz(a,h)anthracene	mg/kg	1.38	1.27	8.67	28	R133549-4	WG81006
Fluoranthene	mg/kg	1.41	1.31	6.83	21	R133549-4	WG81006
Fluorene	mg/kg	1.45	1.33	8.51	22	R133549-4	WG81006
Indeno(1,2,3-cd)pyrene	mg/kg	1.32	1.18	11.1	29	[illegible]	WG81006
Naphthalene	mg/kg	1.36	1.23	10.1	21	R133549-4	WG81006
Phenanthrene	mg/kg	1.46	1.32	10.2	22	R133549-4	WG81006
Pyrene	mg/kg	1.57	1.39	12.1	24	R133549-4	WG81006
Benzene	mg/l	0.0212	0.0218	2.79	31	R133441-2	WG81029
Ethylbenzene	mg/l	0.0199	0.0194	2.55	31	R133441-2	WG81029
Toluene	mg/l	0.0206	0.0203	1.48	30	R133441-2	WG81029
Total Xylenes	mg/l	0.0560	0.0616	9.57	18	R133441-2	WG81029

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Benzene	mg/kg	0.0839	0.00	0.1	83.9	63-140	L86442-01	WG80846
Ethylbenzene	mg/kg	0.0903	0.00	0.1	90.3	63-129	L86442-01	WG80846
Toluene	mg/kg	0.0877	0.00	0.1	87.7	64-129	L86442-01	WG80846
Total Xylenes	mg/kg	0.302	0.00	0.3	101.	48-151	L86442-01	WG80846
Acenaphthene	mg/kg	1.27	0.00	1.67	75.9	50-126	L86282-05	WG81006
Acenaphthylene	mg/kg	1.18	0.00	1.67	70.8	52-136	L86282-05	WG81006
Anthracene	mg/kg	0.918	0.00	1.67	55.0	21-125	L86282-05	WG81006
Benzo(a)anthracene	mg/kg	1.06	0.00	1.67	63.4	52-125	L86282-05	WG81006
Benzo(a)pyrene	mg/kg	0.887	0.00	1.67	53.0	53-127	L86282-05	WG81006
Benzo(b)fluoranthene	mg/kg	1.28	0.00	1.67	76.9	51-135	L86282-05	WG81006
Benzo(g,h,i)perylene	mg/kg	0.828	0.00	1.67	49.6	38-151	L86282-05	WG81006
Benzo(k)fluoranthene	mg/kg	1.13	0.00	1.67	67.9	47-131	L86282-05	WG81006
Chrysene	mg/kg	1.25	0.00	1.67	75.1	51-126	L86282-05	WG81006
Dibenz(a,h)anthracene	mg/kg	1.05	0.00	1.67	63.0	39-165	L86282-05	WG81006
Fluoranthene	mg/kg	1.26	0.00	1.67	75.3	47-127	L86282-05	WG81006
Fluorene	mg/kg	1.36	0.00	1.67	81.6	48-126	L86282-05	WG81006
Indeno(1,2,3-cd)pyrene	mg/kg	0.966	0.00	1.67	57.9	42-146	L86282-05	WG81006
Naphthalene	mg/kg	1.32	0.00	1.67	79.2	43-117	L86282-05	WG81006
Phenanthrene	mg/kg	1.32	0.00	1.67	78.9	50-126	L86282-05	WG81006
Pyrene	mg/kg	1.29	0.00	1.67	77.1	43-134	L86282-05	WG81006

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12065 Lebanon Rd.
Mt. Juliet, TN 37122
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1-800-767-5859
Fax (615) 758-5859

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Terry Environmental Services
Mr. Jason Terry
P.O. Box 41784
Charleston, SC 29423

Quality Assurance Report
Level II
L86723

August 22, 2002

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Benzene	mg/kg	0.102	0.00	0.1	102.	63-140	L86633-02	WG81029
Ethylbenzene	mg/kg	0.0845	0.00	0.1	84.5	63-129	L86633-02	WG81029
Toluene	mg/kg	0.0930	0.00	0.1	93.0	64-129	L86633-02	WG81029
Total Xylenes	mg/kg	0.255	0.00	0.3	85.0	48-151	L86633-02	WG81029

Analyte	Units	Matrix Spike Duplicate MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
Benzene	mg/l	0.0935	0.0839	10.8	31	93.5	L86442-01	WG80844
Ethylbenzene	mg/l	0.0989	0.0903	9.04	31	98.9	L86442-01	WG80844
Toluene	mg/l	0.0961	0.0877	9.21	29	96.1	L86442-01	WG80844
Total Xylenes	mg/l	0.327	0.302	7.81	18	109.	L86442-01	WG80844
Acenaphthene	mg/kg	1.24	1.27	2.34	21	74.1	L86282-05	WG81006
Acenaphthylene	mg/kg	1.10	1.18	7.51	21	65.7	L86282-05	WG81006
Anthracene	mg/kg	0.899	0.918	2.15	20	53.8	L86282-05	WG81006
Benzo(a)anthracene	mg/kg	1.02	1.06	3.35	20	61.3	L86282-05	WG81006
Benzo(a)pyrene	mg/kg	0.587	0.667	12.7	22	35.1	L86282-05	WG81006
Benzo(b)fluoranthene	mg/kg	1.20	1.28	7.17	24	71.6	L86282-05	WG81006
Benzo(g,h,i)perylene	mg/kg	0.858	0.828	3.49	33	51.3	L86282-05	WG81006
Benzo(k)fluoranthene	mg/kg	1.20	1.13	5.28	23	71.6	L86282-05	WG81006
Chrysene	mg/kg	1.27	1.25	1.28	21	76.1	L86282-05	WG81006
Dibenz(a,h)anthracene	mg/kg	1.10	1.05	4.32	28	65.8	L86282-05	WG81006
Fluoranthene	mg/kg	1.27	1.26	1.15	21	76.1	L86282-05	WG81006
Fluorene	mg/kg	1.35	1.36	1.18	22	80.6	L86282-05	WG81006
Indeno(1,2,3-cd)pyrene	mg/kg	1.01	0.966	4.25	29	60.4	L86282-05	WG81006
Naphthalene	mg/kg	1.28	1.32	3.47	21	76.5	L86282-05	WG81006
Phenanthrene	mg/kg	1.31	1.32	0.419	22	78.5	L86282-05	WG81006
Pyrene	mg/kg	1.23	1.26	2.13	27	73.5	L86282-05	WG81006
Benzene	mg/kg	0.102	0.102	0.412	31	102.	L86633-02	WG81029
Ethylbenzene	mg/kg	0.0906	0.0845	6.95	31	90.6	L86633-02	WG81029
Toluene	mg/kg	0.0891	0.0930	4.26	29	89.1	L86633-02	WG81029
Total Xylenes	mg/kg	0.263	0.255	3.12	18	87.7	L86633-02	WG81029

Batch number /Run number / Sample number cross reference

WG80846: R133335: L86723-02
WG80850: R133406: L86723-01 02
WG81029: R133441: L86723-01
WG81006: R133549: L86723-01 02

* See Attachment B of standard report for list of qualifiers.
* Calculations are performed prior to rounding of reported values

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Terry Environmental Services
Attn: Jason Terry
P.O. Box 41784

Charleston, SC 29423

Quality Assurance Report
Level II

L86723

August 22, 2002

ESC Level 2 Data Package

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of regent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J3" or a "J5". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Soil Class: Class 3

Project #: 2001222

Sample #: C25-A & C25-B

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571

Waste Approval Code Number

NON-HAZARDOUS WASTE PROFILE SHEET

GENERATOR INFORMATION

Generator Name: DUKE ENERGY
Phone: 704-373-7898 Contact/Title: MARK MCGARY
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

AGENT FOR GENERATOR INFORMATION (if applicable)

Agent for Generator: ENERGY DELIVERY SERVICES, INC.
Phone: 704-373-7898 Contact/Title: MARK MCGARY, MANAGER
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

WASTE DESCRIPTION

SOILS FROM MANUFACTURED GAS PLANT SITE

Process of Waste Generation: STANDARD OPERATIONS OF MGP SITE

WASTE CONSTITUENTS:

Laboratory Name	ENVIRONMENTAL SCIENCE CORPORATION				
Laboratory Address	12065 LEBANON ROAD; MT JULIET, TN 37122				
Laboratory Certification No.	84004				
Laboratory Sample No.	L87366-01 & L87366-02				
	Total (ppm)*	**TCLP (ppm) as requested**		**Total (ppm)***	**TCLP (ppm) as requested**
Arsenic	n/a	n/a	**PCB**	n/a	XXXXXXXXX
Barium	n/a	n/a	**TPH**	n/a	XXXXXXXXX
Cadmium	n/a	n/a	**BTEX**	0.0062 & 0.0065	XXXXXXXXX
Chromium	n/a	n/a	**Benzene**	0.0062 & 0.0065	n/a
Lead	n/a	n/a	**TOX**	n/a	XXXXXXXXX
Mercury	n/a	n/a	**Total PAH's**	0.595 & 0.195	XXXXXXXXX
Selenium	n/a	n/a	**Carc PAH's****	<0.037 & <0.041	XXXXXXXXX
Silver	n/a	n/a			
Antimony	n/a	n/a			
Beryllium	n/a	n/a			
Nickel	n/a	n/a			

* L86723-01 and L86723-02, respectively
** Carcinogenic PAH's as Benzo(a)Pyrene

By signing this profile sheet I certify that:
1.) I am the generator of the waste described on this sheet.
2.) This waste is not a regulated hazardous waste as defined by the EPA or by applicable ordinances of SC.
3.) This sheet and its attachments contain true and accurate descriptions of the waste.
4.) Any laboratory data used to support the validity of the data shown on this sheet has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, Test Methods for Evaluating Solid Waste, of exactly the same waste that I will deliver to SSR, Inc. for treatment.
5.) I certify that the laboratory results listing lab name, report date, and sample ID# are attached as support to the data certified on this application.
6.) The Laboratory Name, Address, and Certification Number are provided above in the Waste Constituents section.

Certified Signature: Bobby K Perritt Date: 9/3/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571

Soil Class: Class 3
Project #: 2001222
Sample #: C25-A & C25-B

TREATMENT LEVEL VERIFICATION AND END USE NOTIFICATION FORM

TO: DUKE ENERGY PROJECT MANAGER

FROM: SSR LAURENS PLANT OPERATOR

RE: TREATMENT OF SOIL AND ACCEPTABLE END USE

THE FOLLOWING SOIL BATCH WAS TREATED TO THE APPROPRIATE TREATMENT STANDARDS AS REQUIRED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC) BUREAU OF LAND AND WASTE MANAGEMENT (BLWM) SOLID WASTE PERMIT NUMBER #302715-8001. THE ACCEPTABLE END USE OF THE SOILS IS AS INDICATED BELOW:

WASTE BATCH NUMBER (C3-project number-Cxxxxxx)	C3-2001222-C25
SAMPLE NUMBER FOR TREATMENT VERIFICATION (similar to Waste Batch Number)	C3-2001222-C25-A & B
TREATMENT RESULTS (PASS/FAIL)	PASS
APPROXIMATE TONNAGE	1000
END USE APPROVED BASED ON ANALYTICAL RESULTS	UNRESTRICTED

Certified Signature: Bobby K Perritt Date: 9/3/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

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Fax (615) 758-5859

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Est. 1970

REPORT OF ANALYSIS

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

August 27, 2002

Date Received : August 24, 2002
Description : Soil - SSR - Laurens

ESC Sample # : L87366-01

Sample ID : C-25-A

Site ID :

Collected By : David Robinson
Collection Date : 08/20/02 16:30

Project # : 20628

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	89.0		%	2540G	08/26/02	1
Benzene	0.0062	0.0011	mg/kg	8260B	08/27/02	1
Toluene	BDL	0.0056	mg/kg	8260B	08/27/02	1
Ethylbenzene	BDL	0.0011	mg/kg	8260B	08/27/02	1
Total Xylenes	BDL	0.0034	mg/kg	8260B	08/27/02	1
Surrogate Recovery						
Toluene-d8	98.		% Rec.	8260B	08/27/02	1
Dibromofluoromethane	110		% Rec.	8260B	08/27/02	1
4-Bromofluorobenzene	89.		% Rec.	8260B	08/27/02	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.037	mg/kg	8270C	08/27/02	1
Acenaphthene	BDL	0.037	mg/kg	8270C	08/27/02	1
Acenaphthylene	BDL	0.037	mg/kg	8270C	08/27/02	1
Benzo(a)anthracene	0.040	0.037	mg/kg	8270C	08/27/02	1
Benzo(a)pyrene	BDL	0.037	mg/kg	8270C	08/27/02	1
Benzo(b)fluoranthene	0.069	0.037	mg/kg	8270C	08/27/02	1
Benzo(g,h,i)perylene	BDL	0.037	mg/kg	8270C	08/27/02	1
Benzo(k)fluoranthene	BDL	0.037	mg/kg	8270C	08/27/02	1
Chrysene	0.064	0.037	mg/kg	8270C	08/27/02	1
Dibenz(a,h)anthracene	BDL	0.037	mg/kg	8270C	08/27/02	1
Fluoranthene	0.13	0.037	mg/kg	8270C	08/27/02	1
Fluorene	BDL	0.037	mg/kg	8270C	08/27/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.037	mg/kg	8270C	08/27/02	1
Naphthalene	0.084	0.037	mg/kg	8270C	08/27/02	1
Phenanthrene	0.15	0.037	mg/kg	8270C	08/27/02	1
Pyrene	0.058	0.037	mg/kg	8270C	08/27/02	1
Surrogate Recovery						
Nitrobenzene-d5	78.		% Rec.	8270C	08/27/02	1
2-Fluorobiphenyl	91.		% Rec.	8270C	08/27/02	1
p-Terphenyl-d14	90.		% Rec.	8270C	08/27/02	1

Terrie Fudge, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
AZLA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

August 27,2002

Date Received : August 24, 2002
Description : Soil - SSR - Laurens

ESC Sample # : L87366-02

Sample ID : C-25-B

Site ID :

Collected By : David Robinson
Collection Date : 08/20/02 17:00

Project # : 20620

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	79.8		%	2540G	08/26/02	1
Benzene	0.0065	0.0012	mg/kg	8260B	08/26/02	1
Toluene	BDL	0.0063	mg/kg	8260B	08/26/02	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	08/26/02	1
Total Xylenes	BDL	0.0038	mg/kg	8260B	08/26/02	1
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	08/26/02	1
Dibromofluoromethane	100		% Rec.	8260B	08/26/02	1
4-Bromofluorobenzene	94.		% Rec.	8260B	08/26/02	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.041	mg/kg	8270C	08/27/02	1
Acenaphthene	BDL	0.041	mg/kg	8270C	08/27/02	1
Acenaphthylene	BDL	0.041	mg/kg	8270C	08/27/02	1
Benzo(a)anthracene	BDL	0.041	mg/kg	8270C	08/27/02	1
Benzo(a)pyrene	BDL	0.041	mg/kg	8270C	08/27/02	1
Benzo(b)fluoranthene	BDL	0.041	mg/kg	8270C	08/27/02	1
Benzo(g,h,i)perylene	BDL	0.041	mg/kg	8270C	08/27/02	1
Benzo(k)fluoranthene	BDL	0.041	mg/kg	8270C	08/27/02	1
Chrysene	BDL	0.041	mg/kg	8270C	08/27/02	1
Dibenz(a,h)anthracene	BDL	0.041	mg/kg	8270C	08/27/02	1
Fluoranthene	0.045	0.041	mg/kg	8270C	08/27/02	1
Fluorene	BDL	0.041	mg/kg	8270C	08/27/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.041	mg/kg	8270C	08/27/02	1
Naphthalene	0.068	0.041	mg/kg	8270C	08/27/02	1
Phenanthrene	0.082	0.041	mg/kg	8270C	08/27/02	1
Pyrene	BDL	0.041	mg/kg	8270C	08/27/02	1
Surrogate Recovery						
Nitrobenzene-d5	64.		% Rec.	8270C	08/27/02	1
2-Fluorobiphenyl	77.		% Rec.	8270C	08/27/02	1
p-Terphenyl-d14	86.		% Rec.	8270C	08/27/02	1

Terrie Fudge, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:
This report shall not be reproduced, except in full, without the written approval from ESC.
The reported analytical results relate only to the sample submitted

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L87366-01	Benzene	H
	Toluene	H
	Ethylbenzene	H
	Total Xylenes	H
L87366-02	Benzene	H
	Toluene	H
	Ethylbenzene	H
	Total Xylenes	H

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
H	*RIN(EPA)-Re-Analyzed*: The indicated analytical results were generated from a reinjection of the same sample extract or aliquot.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

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Quality Assurance Report
Level II

L87366

August 27, 2002

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
Total Solids	0.00	%	08/26/02 11:43	WG81640
Acenaphthene	< .33	mg/kg	08/27/02 08:47	WG81665
Acenaphthylene	< .33	mg/kg	08/27/02 08:47	WG81665
Anthracene	< .33	mg/kg	08/27/02 08:47	WG81665
Benzo(a)anthracene	< .33	mg/kg	08/27/02 08:47	WG81665
Benzo(a)pyrene	< .33	mg/kg	08/27/02 08:47	WG81665
Benzo(b)fluoranthene	< .33	mg/kg	08/27/02 08:47	WG81665
Benzo(g,h,i)perylene	< .33	mg/kg	08/27/02 08:47	WG81665
Benzo(k)fluoranthene	< .33	mg/kg	08/27/02 08:47	WG81665
Chrysene	< .33	mg/kg	08/27/02 08:47	WG81665
Dibenz(a,h)anthracene	< .33	mg/kg	08/27/02 08:47	WG81665
Fluoranthene	< .33	mg/kg	08/27/02 08:47	WG81665
Fluorene	< .33	mg/kg	08/27/02 08:47	WG81665
Indeno(1,2,3-cd)pyrene	< .33	mg/kg	08/27/02 08:47	WG81665
Naphthalene	< .33	mg/kg	08/27/02 08:47	WG81665
Phenanthrene	< .33	mg/kg	08/27/02 08:47	WG81665
Pyrene	< .33	mg/kg	08/27/02 08:47	WG81665
Benzene	< .001	mg/l	08/26/02 09:41	WG81667
Ethylbenzene	< .001	mg/l	08/26/02 09:41	WG81667
Toluene	< .005	mg/l	08/26/02 09:41	WG81667
Total Xylenes	< .003	mg/l	08/26/02 09:41	WG81667
Benzene	< .001	mg/l	08/27/02 09:12	WG81751
Ethylbenzene	< .001	mg/l	08/27/02 09:12	WG81751
Toluene	< .005	mg/l	08/27/02 09:12	WG81751
Total Xylenes	< .003	mg/l	08/27/02 09:12	WG81751

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Batch
Total Solids	%	77.0	76.3	0.948	20	WG81640

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Total Solids	%	50	50.0	100.	85-115	WG81640
Acenaphthene	mg/kg	1.67	1.52	91.1	50-125	WG81665
Acenaphthylene	mg/kg	1.67	1.60	95.6	51-136	WG81665
Anthracene	mg/kg	1.67	1.61	96.2	54-126	WG81665
Benzo(a)anthracene	mg/kg	1.67	1.54	92.1	54-123	WG81665
Benzo(a)pyrene	mg/kg	1.67	1.51	90.2	59-127	WG81665
Benzo(b)fluoranthene	mg/kg	1.67	1.46	87.4	57-132	WG81665
Benzo(g,h,i)perylene	mg/kg	1.67	1.72	103.	39-161	WG81665
Benzo(k)fluoranthene	mg/kg	1.67	1.46	87.5	54-127	WG81665
Chrysene	mg/kg	1.67	1.61	96.6	53-125	WG81665
Dibenz(a,h)anthracene	mg/kg	1.67	1.70	102.	43-170	WG81665
Fluoranthene	mg/kg	1.67	1.51	90.6	50-126	WG81665
Fluorene	mg/kg	1.67	1.50	89.8	50-126	WG81665
Indeno(1,2,3-cd)pyrene	mg/kg	1.67	1.68	101.	42-155	WG81665
Naphthalene	mg/kg	1.67	1.43	85.6	46-112	WG81665
Phenanthrene	mg/kg	1.67	1.53	91.4	54-122	WG81665
Pyrene	mg/kg	1.67	1.55	92.9	50-127	WG81665
Benzene	mg/l	.02	0.0206	103.	75-133	WG81667
Ethylbenzene	mg/l	.02	0.0203	102.	73-123	WG81667
Toluene	mg/l	.02	0.0201	101.	74-125	WG81667
Total Xylenes	mg/l	.06	0.0625	104.	68-135	WG81667

ENVIRONMENTAL SCIENCE CORP.

12066 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

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Est. 1970

Terry Environmental Services
Mr. Jason Terry
P.O. Box 41784
Charleston, SC 29423

Quality Assurance Report
Level II
L87366

August 27, 2002

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Benzene	mg/kg	.02	0.0189	94.6	75-133	WG81751
Ethylbenzene	mg/kg	.02	0.0173	86.5	73-123	WG81751
Toluene	mg/kg	.02	0.0170	85.1	74-125	WG81751
Total Xylenes	mg/kg	.06	0.0523	87.1	68-135	WG81751

Analyte	Units	Laboratory Control Sample Duplicate LCSD Res	Ref Res	RPD	Limit	Ref Samp	Batch
Acenaphthene	mg/kg	1.61	1.52	5.82	21	R134054-2	WG81665
Acenaphthylene	mg/kg	1.68	1.60	4.80	21	R134054-2	WG81665
Anthracene	mg/kg	1.61	1.61	0.230	20	R134054-2	WG81665
Benzo(a)anthracene	mg/kg	1.52	1.54	0.908	20	R134054-2	WG81665
Benzo(a)pyrene	mg/kg	1.49	1.51	1.24	22	R134054-2	WG81665
Benzo(b)fluoranthene	mg/kg	1.50	1.46	2.88	24	R134054-2	WG81665
Benzo(g,h,i)perylene	mg/kg	1.68	1.72	2.39	33	R134054-2	WG81665
Benzo(k)fluoranthene	mg/kg	1.46	1.46	0.350	23	R134054-2	WG81665
Chrysene	mg/kg	1.60	1.61	1.04	21	R134054-2	WG81665
Dibenz(a,h)anthracene	mg/kg	1.63	1.70	4.27	28	R134054-2	WG81665
Fluoranthene	mg/kg	1.53	1.51	1.23	21	R134054-2	WG81665
Fluorene	mg/kg	1.57	1.50	4.50	22	R134054-2	WG81665
Indeno(1,2,3-cd)pyrene	mg/kg	1.63	1.68	2.94	29	R134054-2	WG81665
Naphthalene	mg/kg	1.47	1.43	2.92	21	R134054-2	WG81665
Phenanthrene	mg/kg	1.52	1.53	0.499	22	R134054-2	WG81665
Pyrene	mg/kg	1.62	1.55	1.69	24	R134054-2	WG81665
Benzene	mg/kg	0.0196	0.0206	4.98	31	R134046-2	WG81667
Ethylbenzene	mg/kg	0.0199	0.0203	2.34	31	R134046-2	WG81667
Toluene	mg/kg	0.0196	0.0201	2.92	29	R134046-2	WG81667
Total Xylenes	mg/kg	0.0607	0.0625	2.90	18	R134046-2	WG81667
Benzene	mg/kg	0.0198	0.0189	4.45	31	R134111-3	WG81751
Ethylbenzene	mg/kg	0.0187	0.0173	7.89	31	R134111-3	WG81751
Toluene	mg/kg	0.0181	0.0170	6.32	29	R134111-3	WG81751
Total Xylenes	mg/kg	0.0561	0.0523	7.03	18	R134111-3	WG81751

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Benzene	mg/kg	0.0987	0.00	0.1	98.7	63-140	L86864-02	WG81667
Ethylbenzene	mg/kg	0.0997	0.00	0.1	99.7	63-129	L86864-02	WG81667
Toluene	mg/kg	0.0984	0.00	0.1	98.4	64-129	L86864-02	WG81667
Total Xylenes	mg/kg	0.303	0.00	0.3	101.	48-151	L86864-02	WG81667
Benzene	mg/kg	0.103	0.00	0.1	103.	63-140	L86911-01	WG81751
Ethylbenzene	mg/kg	0.0939	0.00	0.1	93.9	63-129	L86911-01	WG81751
Toluene	mg/kg	0.0934	0.00	0.1	93.4	64-129	L86911-01	WG81751
Total Xylenes	mg/kg	0.285	0.00	0.3	94.9	48-151	L86911-01	WG81751

Analyte	Units	Matrix Spike Duplicate MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
Benzene	mg/kg	0.0977	0.0987	0.968	31	97.7	L86864-02	WG81667
Ethylbenzene	mg/kg	0.101	0.0997	1.49	31	101.	L86864-02	WG81667
Toluene	mg/kg	0.0985	0.0984	0.112	29	98.5	L86864-02	WG81667
Total Xylenes	mg/kg	0.308	0.303	1.58	18	103.	L86864-02	WG81667
Benzene	mg/kg	0.100	0.103	3.07	31	100.	L86911-01	WG81751
Ethylbenzene	mg/kg	0.0919	0.0939	2.23	31	91.9	L86911-01	WG81751
Toluene	mg/kg	0.0907	0.0934	2.91	29	90.7	L86911-01	WG81751

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Quality Assurance Report
Level II
L87366

August 27, 2002

Total Xylenes	mg/kg	0.277	0.285	2.66	18	92.4	L86911-01	WG81751

Batch number /Run number / Sample number cross reference

WG81640: R134025: L87366-01 02
WG81667: R134046: L87366-02
WG81665: R134054: L87366-01 02
WG81751: R134111: L87366-01

* See Attachment B of standard report for list of qualifiers.
* Calculations are performed prior to rounding of reported values

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Quality Assurance Report
Level II

L87366

August 27, 2002

ESC Level 2 Data Package

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of regent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Soil Class: Class 3

Project #: 2001222

Sample #: C26-1 & C26-2

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571

Waste Approval Code Number

NON-HAZARDOUS WASTE PROFILE SHEET

GENERATOR INFORMATION

Generator Name: DUKE ENERGY
Phone: 704-373-7898 Contact/Title: MARK MCGARY
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

AGENT FOR GENERATOR INFORMATION (if applicable)

Agent for Generator: ENERGY DELIVERY SERVICES, INC.
Phone: 704-373-7898 Contact/Title: MARK MCGARY, MANAGER
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

WASTE DESCRIPTION

SOILS FROM MANUFACTURED GAS PLANT SITE

Process of Waste Generation: STANDARD OPERATIONS OF MGP SITE

WASTE CONSTITUENTS:

Laboratory Name	ENVIRONMENTAL SCIENCE CORPORATION				
Laboratory Address	12065 LEBANON ROAD; MT JULIET, TN 37122				
Laboratory Certification No.	84004				
Laboratory Sample No.	L89269-01 & L89269-02				
	Total (ppm)*	**TCLP (ppm) as requested**		**Total (ppm)***	**TCLP (ppm) as requested**
Arsenic	n/a	n/a	**PCB**	n/a	XXXXXXXXX
Barium	n/a	n/a	**TPH**	n/a	XXXXXXXXX
Cadmium	n/a	n/a	**BTEX**	BDL & BDL	XXXXXXXXX
Chromium	n/a	n/a	**Benzene**	<0.076 & <0.075	n/a
Lead	n/a	n/a	**TOX**	n/a	XXXXXXXXX
Mercury	n/a	n/a	**Total PAH's**	0.705 & 0.314	XXXXXXXXX
Selenium	n/a	n/a	**Carc PAH's****	<0.046 & <0.045	XXXXXXXXX
Silver	n/a	n/a			
Antimony	n/a	n/a			
Berylium	n/a	n/a			
Nickel	n/a	n/a			

* L89269-01 and L89269-02, respectively
** Carcinogenic PAH's as Benzo(a)Pyrene

By signing this profile sheet I certify that:
1.) I am the generator of the waste described on this sheet.
2.) This waste is not a regulated hazardous waste as defined by the EPA or by applicable ordinances of SC.
3.) This sheet and its attachments contain true and accurate descriptions of the waste.
4.) Any laboratory data used to support the validity of the data shown on this sheet has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, Test Methods for Evaluating Solid Waste, of exactly the same waste that I will deliver to SSR, Inc. for treatment.
5.) I certify that the laboratory results listing lab name, report date, and sample ID# are attached as support to the data certified on this application.
6.) The Laboratory Name, Address, and Certification Number are provided above in the Waste Constituents section.

Certified Signature: Bobby K Perritt Date: 9/18/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571

Soil Class: Class 3

Project #: 2001222

Sample #: C26-1 & C26-2

TREATMENT LEVEL VERIFICATION AND END USE NOTIFICATION FORM

TO: DUKE ENERGY PROJECT MANAGER

FROM: SSR LAURENS PLANT OPERATOR

RE: TREATMENT OF SOIL AND ACCEPTABLE END USE

THE FOLLOWING SOIL BATCH WAS TREATED TO THE APPROPRIATE TREATMENT STANDARDS AS REQUIRED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC) BUREAU OF LAND AND WASTE MANAGEMENT (BLWM) SOLID WASTE PERMIT NUMBER #302715-8001. THE ACCEPTABLE END USE OF THE SOILS IS AS INDICATED BELOW:

WASTE BATCH NUMBER (C3-project number-Cxxxxxx)	C3-2001222-C26
SAMPLE NUMBER FOR TREATMENT VERIFICATION (similar to Waste Batch Number)	C3-2001222-C26-1 & 2
TREATMENT RESULTS (PASS/FAIL)	PASS
APPROXIMATE TONNAGE	1000
END USE APPROVED BASED ON ANALYTICAL RESULTS	UNRESTRICTED

Certified Signature Bobby K. Perritt Date 9/19/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

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12065 Lebanon Rd.
Mt. Juliet, TN 37122
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1-800-767-5859
Fax (615) 758-5859

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REPORT OF ANALYSIS

September 17,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L89269-01

Date Received : September 13, 2002
Description : SSR - Laurens

Site ID :

Sample ID : C-26-1

Project # : 2062B

Collected By : David Robinson
Collection Date : 09/03/02 13:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	72.3		%	2540G	09/13/02	1
Benzene	BDL	0.076	mg/kg	8260B	09/16/02	55
Toluene	BDL	0.38	mg/kg	8260B	09/16/02	55
Ethylbenzene	BDL	0.076	mg/kg	8260B	09/16/02	55
Total Xylenes	BDL	0.23	mg/kg	8260B	09/16/02	55
Surrogate Recovery						
Toluene-d8	98.		% Rec.	8260B	09/16/02	55
Dibromofluoromethane	95.		% Rec.	8260B	09/16/02	55
4-Bromofluorobenzene	93		% Rec.	8260B	09/16/02	55
Base/Neutral Extractables						
Acenaphthene	BDL	0.046	mg/kg	8270C	09/13/02	1
Acenaphthylene	BDL	0.046	mg/kg	8270C	09/13/02	1
Anthracene	BDL	0.046	mg/kg	8270C	09/13/02	1
Benzo(a)anthracene	0.047	0.046	mg/kg	8270C	09/13/02	1
Benzo(b)fluoranthene	BDL	0.046	mg/kg	8270C	09/13/02	1
Benzo(k)fluoranthene	BDL	0.046	mg/kg	8270C	09/13/02	1
Benzo(g,h,i)perylene	BDL	0.046	mg/kg	8270C	09/13/02	1
Benzo(a)pyrene	BDL	0.046	mg/kg	8270C	09/13/02	1
Chrysene	0.068	0.046	mg/kg	8270C	09/13/02	1
Dibenz(a,h)anthracene	BDL	0.046	mg/kg	8270C	09/13/02	1
Fluoranthene	0.12	0.046	mg/kg	8270C	09/13/02	1
Fluorene	BDL	0.046	mg/kg	8270C	09/13/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.046	mg/kg	8270C	09/13/02	1
Naphthalene	0.13	0.046	mg/kg	8270C	09/13/02	1
Phenanthrene	0.22	0.046	mg/kg	8270C	09/13/02	1
Pyrene	0.12	0.046	mg/kg	8270C	09/13/02	1
Acid Extractables						
Nitrobenzene-d5	47.		% Rec.	8270C	09/13/02	1
2-Fluorobiphenyl	59.		% Rec.	8270C	09/13/02	1
p-Terphenyl-d14	69.		% Rec.	8270C	09/13/02	1

Terrie Fudge, ESC Representative

Results listed are dry weight basis
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
AZLA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2008, VA - 00109, WV - 233

Note:
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The reported analytical results relate only to the sample submitted
L89269-01 (V8260DTEX) - No more stir bars left to run

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est 1970

REPORT OF ANALYSIS

September 17, 2002

Mr Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L89269-02

Site ID :

Project # : 20628

Date Received : September 13, 2002
Description : SSR - Laurens

Sample ID : C-26-2

Collected By : David Robinson
Collection Date : 09/03/02 15:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	73.0		%	2540G	09/13/02	1
Benzene	BDL	0.075	mg/kg	8260B	09/16/02	55
Toluene	BDL	0.38	mg/kg	8260B	09/16/02	55
Ethylbenzene	BDL	0.075	mg/kg	8260B	09/16/02	55
Total Xylenes	BDL	0.23	mg/kg	8260B	09/16/02	55
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	09/16/02	55
Dibromofluoromethane	94.		% Rec.	8260B	09/16/02	55
4-Bromofluorobenzene	90		% Rec.	8260B	09/16/02	55
Base/Neutral Extractables						
Acenaphthene	BDL	0.045	mg/kg	8270C	09/13/02	1
Acenaphthylene	BDL	0.045	mg/kg	8270C	09/13/02	1
Anthracene	BDL	0.045	mg/kg	8270C	09/13/02	1
Benzo(a)anthracene	BDL	0.045	mg/kg	8270C	09/13/02	1
Benzo(b)fluoranthene	BDL	0.045	mg/kg	8270C	09/13/02	1
Benzo(k)fluoranthene	BDL	0.045	mg/kg	8270C	09/13/02	1
Benzo(g,h,i)perylene	BDL	0.045	mg/kg	8270C	09/13/02	1
Benzo(a)pyrene	BDL	0.045	mg/kg	8270C	09/13/02	1
Chrysene	BDL	0.045	mg/kg	8270C	09/13/02	1
Dibenz(a,h)anthracene	BDL	0.045	mg/kg	8270C	09/13/02	1
Fluoranthene	0.056	0.045	mg/kg	8270C	09/13/02	1
Fluorene	BDL	0.045	mg/kg	8270C	09/13/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.045	mg/kg	8270C	09/13/02	1
Naphthalene	0.085	0.045	mg/kg	8270C	09/13/02	1
Phenanthrene	0.12	0.045	mg/kg	8270C	09/13/02	1
Pyrene	0.053	0.045	mg/kg	8270C	09/13/02	1
Acid Extractables						
Nitrobenzene-d5	51.		% Rec.	8270C	09/13/02	1
2-Fluorobiphenyl	62.		% Rec.	8270C	09/13/02	1
p-Terphenyl-d14	70.		% Rec.	8270C	09/13/02	1

Terrie Fudge ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:
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L89269-02 (V8260BTEX) - No more stir bars left to run

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L89269-01	Benzene	HO
	Toluene	HO
	Ethylbenzene	HO
	Total Xylenes	HO
	Benzo(b)fluoranthene	J4
L89269-02	Benzene	HO
	Toluene	HO
	Ethylbenzene	HO
	Total Xylenes	HO
	Benzo(b)fluoranthene	J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
0	(ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary dilution.
R	RIN(EPA)-Re-Analyzed: The indicated analytical results were generated from a reinjection of the same sample extract or aliquot.
J4	The associated batch QC did not successfully meet the established quality control criteria for accuracy.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Soil Class: Class 3

Project #: 200122

Sample #: C27-1 & C27-2

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571

Waste Approval Code Number

NON-HAZARDOUS WASTE PROFILE SHEET

GENERATOR INFORMATION

Generator Name: DUKE ENERGY
Phone: 704-373-7898 Contact/Title: MARK MCGARY
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

AGENT FOR GENERATOR INFORMATION (if applicable)

Agent for Generator: ENERGY DELIVERY SERVICES, INC
Phone: 704-373-7898 Contact/Title: MARK MCGARY, MANAGER
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

WASTE DESCRIPTION

SOILS FROM MANUFACTURED GAS PLANT SITE

Process of Waste Generation: STANDARD OPERATIONS OF MGP SITE

WASTE CONSTITUENTS:

Laboratory Name	ENVIRONMENTAL SCIENCE CORPORATION				
Laboratory Address	12065 LEBANON ROAD; MT JULIET, TN 37122				
Laboratory Certification No.	84004				
Laboratory Sample No.	L89846-01 & L89846-02				
	Total (ppm)*	**TCLP (ppm) as requested**		**Total (ppm)***	**TCLP (ppm) as requested**
Arsenic	n/a	n/a	**PCB**	n/a	XXXXXXXXX
Barium	n/a	n/a	**TPH**	n/a	XXXXXXXXX
Cadmium	n/a	n/a	**BTEX**	0.0079 & 0.070	XXXXXXXXX
Chromium	n/a	n/a	**Benzene**	0.0079 & 0.070	n/a
Lead	n/a	n/a	**TOX**	n/a	XXXXXXXXX
Mercury	n/a	n/a	**Total PAH's**	0.042 & <0.044	XXXXXXXXX
Selenium	n/a	n/a	**Carc PAH's****	<0.041 & <0.044	XXXXXXXXX
Silver	n/a	n/a			
Antimony	n/a	n/a			
Berylium	n/a	n/a			
Nickel	n/a	n/a			

* L89846-01 and L89846-02, respectively
** Carcinogenic PAH's as Benzo(a)Pyrene

By signing this profile sheet I certify that:
1.) I am the generator of the waste described on this sheet.
2.) This waste is not a regulated hazardous waste as defined by the EPA or by applicable ordinances of SC.
3.) This sheet and its attachments contain true and accurate descriptions of the waste.
4.) Any laboratory data used to support the validity of the data shown on this sheet has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, Test Methods for Evaluating Solid Waste, of exactly the same waste that I will deliver to SSR, Inc. for treatment.
5.) I certify that the laboratory results listing lab name, report date, and sample ID# are attached as support to the data certified on this application.
6.) The Laboratory Name, Address, and Certification Number are provided above in the Waste Constituents section.

Certified Signature Date: 9/24/02

Soil Class: Class 3

Project #: 2001222

Sample #. C27-1 & C27-2

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571

TREATMENT LEVEL VERIFICATION AND END USE NOTIFICATION FORM

TO: DUKE ENERGY PROJECT MANAGER

FROM: SSR LAURENS PLANT OPERATOR

RE: TREATMENT OF SOIL AND ACCEPTABLE END USE

THE FOLLOWING SOIL BATCH WAS TREATED TO THE APPROPRIATE TREATMENT STANDARDS AS REQUIRED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC) BUREAU OF LAND AND WASTE MANAGEMENT (BLWM) SOLID WASTE PERMIT NUMBER #302715-8001. THE ACCEPTABLE END USE OF THE SOILS IS AS INDICATED BELOW:

WASTE BATCH NUMBER (C3-project number-Cxxxxxx)	C3-2001222-C27
SAMPLE NUMBER FOR TREATMENT VERIFICATION (similar to Waste Batch Number)	C3-2001222-C27-1 & 2
TREATMENT RESULTS (PASS/FAIL)	PASS
APPROXIMATE TONNAGE	1000
END USE APPROVED BASED ON ANALYTICAL RESULTS	UNRESTRICTED

Certified Signature Bobby K Perritt Date: 9/24/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

September 23,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L89846-01

Date Received : September 19, 2002
Description : Soil - SSR - Laurens

Site ID :

Sample ID : C-27-1

Project # : 20628

Collected By : David Robinson
Collection Date : 09/10/02 16:20

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	81.0		%	2540G	09/20/02	1
Benzene	0.0079	0.0013	mg/kg	8260B	09/20/02	1.03
Toluene	BDL	0.0064	mg/kg	8260B	09/20/02	1.03
Ethylbenzene	BDL	0.0013	mg/kg	8260B	09/20/02	1.03
Total Xylenes	BDL	0.0038	mg/kg	8260B	09/20/02	1.03
Surrogate Recovery						
Toluene-d8	93.		% Rec.	8260B	09/20/02	1.03
Dibromofluoromethane	110		% Rec.	8260B	09/20/02	1.03
4-Bromofluorobenzene	69.		% Rec.	8260B	09/20/02	1.03
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.041	mg/kg	8270C	09/20/02	1
Acenaphthene	BDL	0.041	mg/kg	8270C	09/20/02	1
Acenaphthylene	BDL	0.041	mg/kg	8270C	09/20/02	1
Benzo(a)anthracene	BDL	0.041	mg/kg	8270C	09/20/02	1
Benzo(a)pyrene	BDL	0.041	mg/kg	8270C	09/20/02	1
Benzo(b)fluoranthene	BDL	0.041	mg/kg	8270C	09/20/02	1
Benzo(g,h,i)perylene	BDL	0.041	mg/kg	8270C	09/20/02	1
Benzo(k)fluoranthene	BDL	0.041	mg/kg	8270C	09/20/02	1
Chrysene	BDL	0.041	mg/kg	8270C	09/20/02	1
Dibenz(a,h)anthracene	BDL	0.041	mg/kg	8270C	09/20/02	1
Fluoranthene	BDL	0.041	mg/kg	8270C	09/20/02	1
Fluorene	BDL	0.041	mg/kg	8270C	09/20/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.041	mg/kg	8270C	09/20/02	1
Naphthalene	BDL	0.041	mg/kg	8270C	09/20/02	1
Phenanthrene	0.042	0.041	mg/kg	8270C	09/20/02	1
Pyrene	BDL	0.041	mg/kg	8270C	09/20/02	1
Surrogate Recovery						
Nitrobenzene-d5	58.		% Rec.	8270C	09/20/02	1
2-Fluorobiphenyl	67.		% Rec.	8270C	09/20/02	1
p-Terphenyl-d14	60.		% Rec.	8270C	09/20/02	1

Terrie Fudge, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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1-800-767-5859
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Est. 1970

REPORT OF ANALYSIS

September 23,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L69846-02

Site ID :

Project # : 2062B

Date Received : September 19, 2002
Description : Soil - SSR - Laurens

Sample ID : C-27-2

Collected By : David Robinson
Collection Date : 09/12/02 12:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	74.0		%	2540G	09/20/02	1
Benzene	0.070	0.0015	mg/kg	8260B	09/20/02	1.13
Toluene	BDL	0.0076	mg/kg	8260B	09/20/02	1.13
Ethylbenzene	BDL	0.0015	mg/kg	8260B	09/20/02	1.13
Total Xylenes	BDL	0.0046	mg/kg	8260B	09/20/02	1.13
Surrogate Recovery						
Toluene-d8	80.		% Rec.	8260B	09/20/02	1.13
Dibromofluoromethane	150		% Rec.	8260B	09/20/02	1.13
4-Bromofluorobenzene	35.		% Rec.	8260B	09/20/02	1.13
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.044	mg/kg	8270C	09/20/02	1
Acenaphthene	BDL	0.044	mg/kg	8270C	09/20/02	1
Acenaphthylene	BDL	0.044	mg/kg	8270C	09/20/02	1
Benzo(a)anthracene	BDL	0.044	mg/kg	8270C	09/20/02	1
Benzo(a)pyrene	BDL	0.044	mg/kg	8270C	09/20/02	1
Benzo(b)fluoranthene	BDL	0.044	mg/kg	8270C	09/20/02	1
Benzo(g,h,i)perylene	BDL	0.044	mg/kg	8270C	09/20/02	1
Benzo(k)fluoranthene	BDL	0.044	mg/kg	8270C	09/20/02	1
Chrysene	BDL	0.044	mg/kg	8270C	09/20/02	1
Dibenz(a,h)anthracene	BDL	0.044	mg/kg	8270C	09/20/02	1
Fluoranthene	BDL	0.044	mg/kg	8270C	09/20/02	1
Fluorene	BDL	0.044	mg/kg	8270C	09/20/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.044	mg/kg	8270C	09/20/02	1
Naphthalene	BDL	0.044	mg/kg	8270C	09/20/02	1
Phenanthrene	BDL	0.044	mg/kg	8270C	09/20/02	1
Pyrene	BDL	0.044	mg/kg	8270C	09/20/02	1
Surrogate Recovery						
Nitrobenzene-d5	60.		% Rec.	8270C	09/20/02	1
2-Fluorobiphenyl	69.		% Rec.	8270C	09/20/02	1
p-Terphenyl-d14	58.		% Rec.	8270C	09/20/02	1

Terrie Fudge, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
AZLA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01 KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L89846-01	Anthracene	J3
	Acenaphthene	J3J4
	Acenaphthylene	J3
	Benzo(a)anthracene	J3
	Benzo(a)pyrene	J3
	Benzo(b)fluoranthene	J3
	Chrysene	J3
	Fluoranthene	J3
	Naphthalene	J3J4
	Phenanthrene	J3
L89846-02	Anthracene	J3
	Acenaphthene	J3J4
	Acenaphthylene	J3
	Benzo(a)anthracene	J3
	Benzo(a)pyrene	J3
	Benzo(b)fluoranthene	J3
	Chrysene	J3
	Fluoranthene	J3
	Naphthalene	J3J4
	Phenanthrene	J3

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J3	The associated batch QC did not successfully meet the established quality control criteria for precision.
J4	The associated batch QC did not successfully meet the established quality control criteria for accuracy.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Soil Class: Class 3

Project #: 2001222

Sample #: C28-A & C28-B

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571

Waste Approval Code Number

NON-HAZARDOUS WASTE PROFILE SHEET

GENERATOR INFORMATION

Generator Name: DUKE ENERGY
Phone: 704-373-7898 Contact/Title: MARK MCGARY
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

AGENT FOR GENERATOR INFORMATION (if applicable)

Agent for Generator: ENERGY DELIVERY SERVICES, INC.
Phone: 704-373-7898 Contact/Title: MARK MCGARY, MANAGER
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

WASTE DESCRIPTION

SOILS FROM MANUFACTURED GAS PLANT SITE

Process of Waste Generation: STANDARD OPERATIONS OF MGP SITE

WASTE CONSTITUENTS:

Laboratory Name		ENVIRONMENTAL SCIENCE CORPORATION			
Laboratory Address		12065 LEBANON ROAD; MT JULIET, TN 37122			
Laboratory Certification No.		84004			
Laboratory Sample No.		L90385-01 & L90385-02			
	Total (ppm)*	**TCLP (ppm) as requested**		**Total (ppm)***	**TCLP (ppm) as requested**
Arsenic	**n/a**	**n/a**	**PCB**	**n/a**	**XXXXXXXXX**
Barium	**n/a**	**n/a**	**TPH**	**n/a**	**XXXXXXXXX**
Cadmium	**n/a**	**n/a**	**BTEX**	**0.0052 & 0.0055**	**XXXXXXXXX**
Chromium	**n/a**	**n/a**	**Benzene**	**0.0052 & 0.0055**	**n/a**
Lead	**n/a**	**n/a**	**TOX**	**n/a**	**XXXXXXXXX**
Mercury	**n/a**	**n/a**	**Total PAH's**	**<0.044 & <0.045**	**XXXXXXXXX**
Selenium	**n/a**	**n/a**	**Carc PAH's****	**<0.044 & <0.045**	**XXXXXXXXX**
Silver	**n/a**	**n/a**			
Antimony	**n/a**	**n/a**			
Berylium	**n/a**	**n/a**			
Nickel	**n/a**	**n/a**			

* L90385-01 and L90385-02, respectively
** Carcinogenic PAH's as Benzo(a)Pyrene

By signing this profile sheet I certify that:
1.) I am the generator of the waste described on this sheet.
2.) This waste is not a regulated hazardous waste as defined by the EPA or by applicable ordinances of SC.
3.) This sheet and its attachments contain true and accurate descriptions of the waste.
4.) Any laboratory data used to support the validity of the data shown on this sheet has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, Test Methods for Evaluating Solid Waste, of exactly the same waste that I will deliver to SSR, Inc. for treatment.
5.) I certify that the laboratory results listing lab name, report date, and sample ID# are attached as support to the data certified on this application.
6.) The Laboratory Name, Address, and Certification Number are provided above in the Waste Constituents section.

Certified Signature Bobby K Perritt Date: 9/27/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571

Soil Class: Class 3

Project #: 2001222

Sample #: C28-A & C28-B

TREATMENT LEVEL VERIFICATION AND END USE NOTIFICATION FORM

TO: DUKE ENERGY PROJECT MANAGER

FROM: SSR LAURENS PLANT OPERATOR

RE: TREATMENT OF SOIL AND ACCEPTABLE END USE

THE FOLLOWING SOIL BATCH WAS TREATED TO THE APPROPRIATE TREATMENT STANDARDS AS REQUIRED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC) BUREAU OF LAND AND WASTE MANAGEMENT (BLWM) SOLID WASTE PERMIT NUMBER **#302715-8001**. THE ACCEPTABLE END USE OF THE SOILS IS AS INDICATED BELOW:

WASTE BATCH NUMBER (C3-project number-Cxxxxxx)	C3-2001222-C28
SAMPLE NUMBER FOR TREATMENT VERIFICATION (similar to Waste Batch Number)	C3-2001222-C28-A & B
TREATMENT RESULTS (PASS/FAIL)	PASS
APPROXIMATE TONNAGE	1000
END USE APPROVED BASED ON ANALYTICAL RESULTS	UNRESTRICTED

Certified Signature: Bobby K. Perritt Date: 9/27/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
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Fax (615) 758-5859

Tax I D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

September 26,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L90385-01

Site ID :

Project # : 2062B

Date Received : September 24, 2002
Description : Soil - SSR - Laurens

Sample ID : C28-A

Collected By : Steve Clontz
Collection Date : 09/17/02 16:14

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	72.8		%	2540G	09/25/02	1
Benzene	0.0052	0.0014	mg/kg	8260B	09/24/02	1.02
Toluene	BDL	0.0070	mg/kg	8260B	09/24/02	1.02
Ethylbenzene	BDL	0.0014	mg/kg	8260B	09/24/02	1.02
Total Xylenes	BDL	0.0042	mg/kg	8260B	09/24/02	1.02
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	09/24/02	1.02
Dibromofluoromethane	100		% Rec.	8260B	09/24/02	1.02
4-Bromofluorobenzene	74.		% Rec.	8260B	09/24/02	1.02
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.045	mg/kg	8270C	09/25/02	1
Acenaphthene	BDL	0.045	mg/kg	8270C	09/25/02	1
Acenaphthylene	BDL	0.045	mg/kg	8270C	09/25/02	1
Benzo(a)anthracene	BDL	0.045	mg/kg	8270C	09/25/02	1
Benzo(a)pyrene	BDL	0.045	mg/kg	8270C	09/25/02	1
Benzo(b)fluoranthene	BDL	0.045	mg/kg	8270C	09/25/02	1
Benzo(g,h,i)perylene	BDL	0.045	mg/kg	8270C	09/25/02	1
Benzo(k)fluoranthene	BDL	0.045	mg/kg	8270C	09/25/02	1
Chrysene	BDL	0.045	mg/kg	8270C	09/25/02	1
Dibenz(a,h)anthracene	BDL	0.045	mg/kg	8270C	09/25/02	1
Fluoranthene	BDL	0.045	mg/kg	8270C	09/25/02	1
Fluorene	BDL	0.045	mg/kg	8270C	09/25/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.045	mg/kg	8270C	09/25/02	1
Naphthalene	BDL	0.045	mg/kg	8270C	09/25/02	1
Phenanthrene	BDL	0.045	mg/kg	8270C	09/25/02	1
Pyrene	BDL	0.045	mg/kg	8270C	09/25/02	1
Surrogate Recovery						
Nitrobenzene-d5	44.		% Rec.	8270C	09/25/02	1
2-Fluorobiphenyl	48.		% Rec.	8270C	09/25/02	1
p-Terphenyl-d14	56.		% Rec.	8270C	09/25/02	1

Terrie Fudge ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01 KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:

The reported analytical results relate only to the sample submitted

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

September 26,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L90385-02

Site ID :

Project # : 20628

Date Received : September 24, 2002
Description : Soil - SSR - Laurens

Sample ID : C28-B

Collected By : Steve Clontz
Collection Date : 09/20/02 15:20

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	74.5		%	2540G	09/25/02	1
Benzene	0.0055	0.0015	mg/kg	8260B	09/24/02	1.09
Toluene	BDL	0.0073	mg/kg	8260B	09/24/02	1.09
Ethylbenzene	BDL	0.0015	mg/kg	8260B	09/24/02	1.09
Total Xylenes	BDL	0.0044	mg/kg	8260B	09/24/02	1.09
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	09/24/02	1.09
Dibromofluoromethane	100		% Rec.	8260B	09/24/02	1.09
4-Bromofluorobenzene	74.		% Rec.	8260B	09/24/02	1.09
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.044	mg/kg	8270C	09/25/02	1
Acenaphthene	BDL	0.044	mg/kg	8270C	09/25/02	1
Acenaphthylene	BDL	0.044	mg/kg	8270C	09/25/02	1
Benzo(a)anthracene	BDL	0.044	mg/kg	8270C	09/25/02	1
Benzo(a)pyrene	BDL	0.044	mg/kg	8270C	09/25/02	1
Benzo(b)fluoranthene	BDL	0.044	mg/kg	8270C	09/25/02	1
Benzo(g,h,i)perylene	BDL	0.044	mg/kg	8270C	09/25/02	1
Benzo(k)fluoranthene	BDL	0.044	mg/kg	8270C	09/25/02	1
Chrysene	BDL	0.044	mg/kg	8270C	09/25/02	1
Dibenz(a,h)anthracene	BDL	0.044	mg/kg	8270C	09/25/02	1
Fluoranthene	BDL	0.044	mg/kg	8270C	09/25/02	1
Fluorene	BDL	0.044	mg/kg	8270C	09/25/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.044	mg/kg	8270C	09/25/02	1
Naphthalene	BDL	0.044	mg/kg	8270C	09/25/02	1
Phenanthrene	BDL	0.044	mg/kg	8270C	09/25/02	1
Pyrene	BDL	0.044	mg/kg	8270C	09/25/02	1
Surrogate Recovery						
Nitrobenzene-d5	41.		% Rec.	8270C	09/25/02	1
2-Fluorobiphenyl	46.		% Rec.	8270C	09/25/02	1
p-Terphenyl-d14	57.		% Rec.	8270C	09/25/02	1

Terrie Pudge, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2127, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L90385-01	Anthracene	J4
	Benzo(a)anthracene	J4
	Benzo(a)pyrene	J4
	Benzo(b)fluoranthene	J4
	Benzo(g,h,i)perylene	J3
	Benzo(k)fluoranthene	J4
	Dibenz(a,h)anthracene	J3J4
	Indeno(1,2,3-cd)pyrene	J3
	Phenanthrene	J4
	Pyrene	J4
L90385-02	Anthracene	J4
	Benzo(a)anthracene	J4
	Benzo(a)pyrene	J4
	Benzo(b)fluoranthene	J4
	Benzo(g,h,i)perylene	J3
	Benzo(k)fluoranthene	J4
	Dibenz(a,h)anthracene	J3J4
	Indeno(1,2,3-cd)pyrene	J3
	Phenanthrene	J4
	Pyrene	J4
	Nitrobenzene-d5	J2

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits
J3	The associated batch QC did not successfully meet the established quality control criteria for precision.
J4	The associated batch QC did not successfully meet the established quality control criteria for accuracy.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571

Soil Class: Class 3

Project #: 2001222

Sample #: C29-A & C29-B

TREATMENT LEVEL VERIFICATION AND END USE NOTIFICATION FORM

TO: DUKE ENERGY PROJECT MANAGER

FROM: SSR LAURENS PLANT OPERATOR

RE: TREATMENT OF SOIL AND ACCEPTABLE END USE

THE FOLLOWING SOIL BATCH WAS TREATED TO THE APPROPRIATE TREATMENT STANDARDS AS REQUIRED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC) BUREAU OF LAND AND WASTE MANAGEMENT (BLWM) SOLID WASTE PERMIT NUMBER **#302715-8001**. THE ACCEPTABLE END USE OF THE SOILS IS AS INDICATED BELOW:

WASTE BATCH NUMBER (C3-project number-Cxxxxxx)	C3-2001222-C29
SAMPLE NUMBER FOR TREATMENT VERIFICATION (similar to Waste Batch Number)	C3-2001222-C29-A & B
TREATMENT RESULTS (PASS/FAIL)	PASS
APPROXIMATE TONNAGE	1000
END USE APPROVED BASED ON ANALYTICAL RESULTS	UNRESTRICTED

Certified Signature: Bobby K Perritt Date: 10/3/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

Soil Class: Class 3

Project #: 2001222

Sample #: C29-A & C29-B

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571

Waste Approval Code Number

NON-HAZARDOUS WASTE PROFILE SHEET

GENERATOR INFORMATION

Generator Name: DUKE ENERGY
Phone: 704-373-7898 Contact/Title: MARK MCGARY
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

AGENT FOR GENERATOR INFORMATION (if applicable)

Agent for Generator: ENERGY DELIVERY SERVICES, INC.
Phone: 704-373-7898 Contact/Title: MARK MCGARY, MANAGER
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

WASTE DESCRIPTION

SOILS FROM MANUFACTURED GAS PLANT SITE

Process of Waste Generation: STANDARD OPERATIONS OF MGP SITE

WASTE CONSTITUENTS:

Laboratory Name	ENVIRONMENTAL SCIENCE CORPORATION				
Laboratory Address	12065 LEBANON ROAD; MT JULIET, TN 37122				
Laboratory Certification No.	84004				
Laboratory Sample No.	L90800-01 & L90800-02				
	Total (ppm)*	**TCLP (ppm) as requested**		**Total (ppm)***	**TCLP (ppm) as requested**
Arsenic	n/a	n/a	**PCB**	n/a	XXXXXXXXX
Barium	n/a	n/a	**TPH**	n/a	XXXXXXXXX
Cadmium	n/a	n/a	**BTEX**	0.0047 & BDL	XXXXXXXXX
Chromium	n/a	n/a	**Benzene**	0.0047 & <0.0072	n/a
Lead	n/a	n/a	**TOX**	n/a	XXXXXXXXX
Mercury	n/a	n/a	**Total PAH's**	0.114 & 0.132	XXXXXXXXX
Selenium	n/a	n/a	**Carc PAH's****	<0.042 & <0.042	XXXXXXXXX
Silver	n/a	n/a			
Antimony	n/a	n/a			
Berylium	n/a	n/a			
Nickel	n/a	n/a			

* L90800-01 and L90800-02, respectively
** Carcinogenic PAH's as Benzo(a)Pyrene

By signing this profile sheet I certify that:
1.) I am the generator of the waste described on this sheet.
2.) This waste is not a regulated hazardous waste as defined by the EPA or by applicable ordinances of SC.
3.) This sheet and its attachments contain true and accurate descriptions of the waste.
4.) Any laboratory data used to support the validity of the data shown on this sheet has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, Test Methods for Evaluating Solid Waste, of exactly the same waste that I will deliver to SSR, Inc. for treatment.
5.) I certify that the laboratory results listing lab name, report date, and sample ID# are attached as support to the data certified on this application.
6.) The Laboratory Name, Address, and Certification Number are provided above in the Waste Constituents section.

Certified Signature: Bobby K Perritt Date: 10/3/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

October 02,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L90800-01

Site ID :

Project # : 20628

Date Received : September 27, 2002
Description : Soil - SSR - Laurens

Sample ID : C-29-A

Collected By : David Robinson
Collection Date : 09/23/02 17:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	78.0		%	2540G	09/27/02	1
Benzene	0.0047	0.0013	mg/kg	8260B	09/30/02	1.05
Toluene	BDL	0.0067	mg/kg	8260B	09/30/02	1.05
Ethylbenzene	BDL	0.0013	mg/kg	8260B	09/30/02	1.05
Total Xylenes	BDL	0.0040	mg/kg	8260B	09/30/02	1.05
Surrogate Recovery						
Toluene-d8	98.		% Rec.	8260B	09/30/02	1.05
Dibromofluoromethane	110		% Rec.	8260B	09/30/02	1.05
4-Bromofluorobenzene	83.		% Rec.	8260B	09/30/02	1.05
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.042	mg/kg	8270C	09/30/02	1
Acenaphthene	BDL	0.042	mg/kg	8270C	09/30/02	1
Acenaphthylene	BDL	0.042	mg/kg	8270C	09/30/02	1
Benzo(a)anthracene	BDL	0.042	mg/kg	8270C	09/30/02	1
Benzo(a)pyrene	BDL	0.042	mg/kg	8270C	09/30/02	1
Benzo(b)fluoranthene	BDL	0.042	mg/kg	8270C	09/30/02	1
Benzo(g,h,i)perylene	BDL	0.042	mg/kg	8270C	09/30/02	1
Benzo(k)fluoranthene	BDL	0.042	mg/kg	8270C	09/30/02	1
Chrysene	BDL	0.042	mg/kg	8270C	09/30/02	1
Dibenz(a,h)anthracene	BDL	0.042	mg/kg	8270C	09/30/02	1
Fluoranthene	0.043	0.042	mg/kg	8270C	09/30/02	1
Fluorene	BDL	0.042	mg/kg	8270C	09/30/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.042	mg/kg	8270C	09/30/02	1
Naphthalene	BDL	0.042	mg/kg	8270C	09/30/02	1
Phenanthrene	0.071	0.042	mg/kg	8270C	09/30/02	1
Pyrene	BDL	0.042	mg/kg	8270C	09/30/02	1
Surrogate Recovery						
Nitrobenzene-d5	63.		% Rec.	8270C	09/30/02	1
2-Fluorobiphenyl	73.		% Rec.	8270C	09/30/02	1
p-Terphenyl-d14	82.		% Rec.	8270C	09/30/02	1

Terrie Fudge, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
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1-800-767-5859
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Est. 1970

REPORT OF ANALYSIS

October 02, 2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L90800-02

Date Received : September 27, 2002
Description : Soil - SSR - Laurens

Site ID :

Sample ID : C-29-B

Project # : 2082B

Collected By : David Robinson
Collection Date : 09/25/02 18:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	78.2		%	2540G	09/27/02	1
Benzene	BDL	0.072	mg/kg	8260B	10/01/02	56
Toluene	BDL	0.36	mg/kg	8260B	10/01/02	56
Ethylbenzene	BDL	0.072	mg/kg	8260B	10/01/02	56
Total Xylenes	BDL	0.21	mg/kg	8260B	10/01/02	56
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	10/01/02	56
Dibromofluoromethane	100		% Rec.	8260B	10/01/02	56
4-Bromofluorobenzene	100		% Rec.	8260B	10/01/02	56
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.042	mg/kg	8270C	09/30/02	1
Acenaphthene	BDL	0.042	mg/kg	8270C	09/30/02	1
Acenaphthylene	BDL	0.042	mg/kg	8270C	09/30/02	1
Benzo(a)anthracene	BDL	0.042	mg/kg	8270C	09/30/02	1
Benzo(a)pyrene	BDL	0.042	mg/kg	8270C	09/30/02	1
Benzo(b)fluoranthene	BDL	0.042	mg/kg	8270C	09/30/02	1
Benzo(g,h,i)perylene	BDL	0.042	mg/kg	8270C	09/30/02	1
Benzo(k)fluoranthene	BDL	0.042	mg/kg	8270C	09/30/02	1
Chrysene	BDL	0.042	mg/kg	8270C	09/30/02	1
Dibenz(a,h)anthracene	BDL	0.042	mg/kg	8270C	09/30/02	1
Fluoranthene	BDL	0.042	mg/kg	8270C	09/30/02	1
Fluorene	BDL	0.042	mg/kg	8270C	09/30/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.042	mg/kg	8270C	09/30/02	1
Naphthalene	0.057	0.042	mg/kg	8270C	09/30/02	1
Phenanthrene	0.075	0.042	mg/kg	8270C	09/30/02	1
Pyrene	BDL	0.042	mg/kg	8270C	09/30/02	1
Surrogate Recovery						
Nitrobenzene-d5	88.		% Rec.	8270C	09/30/02	1
2-Fluorobiphenyl	96.		% Rec.	8270C	09/30/02	1
p-Terphenyl-d14	98.		% Rec.	8270C	09/30/02	1

Terrie Pudge ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:
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The reported analytical results relate only to the sample submitted
L90800-02 (V8260BTEX) - No more stir bars left to run

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L90800-01	Benzene	HJ6
	Toluene	HJ6
	Ethylbenzene	HJ3J6
	Total Xylenes	HJ3J6
L90800-02	Benzene	H0
	Toluene	H0
	Ethylbenzene	H0
	Total Xylenes	H0

Attachment 8
Explanation of QC Qualifier Codes

Qualifier	Meaning
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is unacceptably low
J3	The associated batch QC did not successfully meet the established quality control criteria for precision.
H	RIN(EPA)-Re-Analyzed: The indicated analytical results were generated from a reinjection of the same sample extract or aliquot.
D	(ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary dilution.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571

Soil Class: Class 3

Project #: 2001222

Sample #: C30-A & C30-B

TREATMENT LEVEL VERIFICATION AND END USE NOTIFICATION FORM

TO: DUKE ENERGY PROJECT MANAGER

FROM: SSR LAURENS PLANT OPERATOR

RE: TREATMENT OF SOIL AND ACCEPTABLE END USE

THE FOLLOWING SOIL BATCH WAS TREATED TO THE APPROPRIATE TREATMENT STANDARDS AS REQUIRED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC) BUREAU OF LAND AND WASTE MANAGEMENT (BLWM) SOLID WASTE PERMIT NUMBER **#302715-8001**. THE ACCEPTABLE END USE OF THE SOILS IS AS INDICATED BELOW:

WASTE BATCH NUMBER (C3-project number-Cxxxxxx)	C3-2001222-C30
SAMPLE NUMBER FOR TREATMENT VERIFICATION (similar to Waste Batch Number)	C3-2001222-C30-A & B
TREATMENT RESULTS (PASS/FAIL)	PASS
APPROXIMATE TONNAGE	1000
END USE APPROVED BASED ON ANALYTICAL RESULTS	UNRESTRICTED

Certified Signature: Bobby K Perritt Date: 10/10/04

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571

Soil Class: Class 3

Project #: 2001222

Sample #: C30-A & C30-B

Waste Approval Code Number

NON-HAZARDOUS WASTE PROFILE SHEET

GENERATOR INFORMATION

Generator Name: DUKE ENERGY
Phone: 704-373-7898 Contact/Title: MARK MCGARY
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

AGENT FOR GENERATOR INFORMATION (if applicable)

Agent for Generator: ENERGY DELIVERY SERVICES, INC.
Phone: 704-373-7898 Contact/Title: MARK MCGARY, MANAGER
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

WASTE DESCRIPTION

SOILS FROM MANUFACTURED GAS PLANT SITE

Process of Waste Generation: STANDARD OPERATIONS OF MGP SITE

WASTE CONSTITUENTS:

Laboratory Name	ENVIRONMENTAL SCIENCE CORPORATION				
Laboratory Address	12065 LEBANON ROAD; MT JULIET, TN 37122				
Laboratory Certification No.	84004				
Laboratory Sample No.	L91336-01 & L91336-02				
	Total (ppm)*	**TCLP (ppm) as requested**		**Total (ppm)***	**TCLP (ppm) as requested**
Arsenic	n/a	n/a	**PCB**	n/a	XXXXXXXXX
Barium	n/a	n/a	**TPH**	n/a	XXXXXXXXX
Cadmium	n/a	n/a	**BTEX**	0.0047 & 0.0052	XXXXXXXXX
Chromium	n/a	n/a	**Benzene**	0.0047 & 0.0052	n/a
Lead	n/a	n/a	**TOX**	n/a	XXXXXXXXX
Mercury	n/a	n/a	**Total PAH's**	0.089 & <0.041	XXXXXXXXX
Selenium	n/a	n/a	**Carc PAH's****	<0.041 & <0.041	XXXXXXXXX
Silver	n/a	n/a			
Antimony	n/a	n/a			
Berylium	n/a	n/a			
Nickel	n/a	n/a			

* L91336-01 and L91336-02, respectively
** Carcinogenic PAH's as Benzo(a)Pyrene

By signing this profile sheet I certify that:

1.) I am the generator of the waste described on this sheet.
2.) This waste is not a regulated hazardous waste as defined by the EPA or by applicable ordinances of SC.
3.) This sheet and its attachments contain true and accurate descriptions of the waste.
4.) Any laboratory data used to support the validity of the data shown on this sheet has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, Test Methods for Evaluating Solid Waste, of exactly the same waste that I will deliver to SSR, Inc. for treatment.
5.) I certify that the laboratory results listing lab name, report date, and sample ID# are attached as support to the data certified on this application.
6.) The Laboratory Name, Address, and Certification Number are provided above in the Waste Constituents section.

Certified Signature: Bobby K Perritt Date: 10/10/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

October 08,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L91336-01

Date Received : October 02, 2002
Description : Soil - SSR - Laurens

Site ID :

Sample ID : C-30-A

Project # : 20628

Collected By : David Robinson
Collection Date : 09/26/02 17:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil
Total Solids	80.4		%	2540G	10/03/02	1
Benzene	0.0047	0.0012	mg/kg	8260B	10/02/02	1
Toluene	BDL	0.0062	mg/kg	8260B	10/02/02	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	10/02/02	1
Total Xylenes	BDL	0.0037	mg/kg	8260B	10/02/02	1
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	10/02/02	1
Dibromofluoromethane	110		% Rec.	8260B	10/02/02	1
4-Bromofluorobenzene	76.		% Rec.	8260B	10/02/02	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.041	mg/kg	8270C	10/03/02	1
Acenaphthene	BDL	0.041	mg/kg	8270C	10/03/02	1
Acenaphthylene	BDL	0.041	mg/kg	8270C	10/03/02	1
Benzo(a)anthracene	BDL	0.041	mg/kg	8270C	10/03/02	1
Benzo(a)pyrene	BDL	0.041	mg/kg	8270C	10/03/02	1
Benzo(b)fluoranthene	BDL	0.041	mg/kg	8270C	10/03/02	1
Benzo(g,h,i)perylene	BDL	0.041	mg/kg	8270C	10/03/02	1
Benzo(k)fluoranthene	BDL	0.041	mg/kg	8270C	10/03/02	1
Chrysene	BDL	0.041	mg/kg	8270C	10/03/02	1
Dibenz(a,h)anthracene	BDL	0.041	mg/kg	8270C	10/03/02	1
Fluoranthene	BDL	0.041	mg/kg	8270C	10/03/02	1
Fluorene	BDL	0.041	mg/kg	8270C	10/03/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.041	mg/kg	8270C	10/03/02	1
Naphthalene	0.044	0.041	mg/kg	8270C	10/03/02	1
Phenanthrene	0.045	0.041	mg/kg	8270C	10/03/02	1
Pyrene	BDL	0.041	mg/kg	8270C	10/03/02	1
Surrogate Recovery						
Nitrobenzene-d5	60.		% Rec.	8270C	10/03/02	1
2-Fluorobiphenyl	65.		% Rec.	8270C	10/03/02	1
p-Terphenyl-d14	82.		% Rec.	8270C	10/03/02	1

Terrie Fudge, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 2

Note:
This report shall not be reproduced, except in full, without the written approval from ESC.
The reported analytical results relate only to the sample submitted

ENVIRONMENTAL SCIENCE CORP.

1206S Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

October 08,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L91336-02

Date Received : October 02, 2002
Description : Soil - SSR - Laurens

Site ID :

Sample ID : C-30-B

Project # : 2062B

Collected By : David Robinson
Collection Date : 10/01/02 13:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	81.0		%	2540G	10/03/02	1
Benzene	0.0052	0.0014	mg/kg	8260B	10/02/02	1.1
Toluene	BDL	0.0070	mg/kg	8260B	10/02/02	1.1
Ethylbenzene	BDL	0.0014	mg/kg	8260B	10/02/02	1.1
Total Xylenes	BDL	0.0042	mg/kg	8260B	10/02/02	1.1
Surrogate Recovery						
Toluene-d8	98.		% Rec.	8260B	10/02/02	1.1
Dibromofluoromethane	110		% Rec.	8260B	10/02/02	1.1
4-Bromofluorobenzene	82.		% Rec.	8260B	10/02/02	1.1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.041	mg/kg	8270C	10/03/02	1
Acenaphthene	BDL	0.041	mg/kg	8270C	10/03/02	1
Acenaphthylene	BDL	0.041	mg/kg	8270C	10/03/02	1
Benzo(a)anthracene	BDL	0.041	mg/kg	8270C	10/03/02	1
Benzo(a)pyrene	BDL	0.041	mg/kg	8270C	10/03/02	1
Benzo(b)fluoranthene	BDL	0.041	mg/kg	8270C	10/03/02	1
Benzo(g,h,i)perylene	BDL	0.041	mg/kg	8270C	10/03/02	1
Benzo(k)fluoranthene	BDL	0.041	mg/kg	8270C	10/03/02	1
Chrysene	BDL	0.041	mg/kg	8270C	10/03/02	1
Dibenz(a,h)anthracene	BDL	0.041	mg/kg	8270C	10/03/02	1
Fluoranthene	BDL	0.041	mg/kg	8270C	10/03/02	1
Fluorene	BDL	0.041	mg/kg	8270C	10/03/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.041	mg/kg	8270C	10/03/02	1
Naphthalene	BDL	0.041	mg/kg	8270C	10/03/02	1
Phenanthrene	BDL	0.041	mg/kg	8270C	10/03/02	1
Pyrene	BDL	0.041	mg/kg	8270C	10/03/02	1
Surrogate Recovery						
Nitrobenzene-d5	62.		% Rec.	8270C	10/03/02	1
2-Fluorobiphenyl	68.		% Rec.	8270C	10/03/02	1
p-Terphenyl-d14	67.		% Rec.	8270C	10/03/02	1

Terrie Fudge, ESC Representat

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 2

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

October 17,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L92496-01

Date Received : October 12, 2002
Description : Soil - SSR - Laurens

Site ID :

Sample ID : C-31-A

Project # : 20628

Collected By : David Robinson
Collection Date : 10/08/02 17:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	79.3		%	2540G	10/14/02	1
Benzene	0.090	0.067	mg/kg	8260B	10/14/02	53.5
Toluene	BDL	0.34	mg/kg	8260B	10/14/02	53.5
Ethylbenzene	BDL	0.067	mg/kg	8260B	10/14/02	53.5
Total Xylenes	BDL	0.20	mg/kg	8260B	10/14/02	53.5
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	10/14/02	53.5
Dibromofluoromethane	99.		% Rec.	8260B	10/14/02	53.5
4-Bromofluorobenzene	97.		% Rec.	8260B	10/14/02	53.5
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.042	mg/kg	8270C	10/15/02	1
Acenaphthene	BDL	0.042	mg/kg	8270C	10/15/02	1
Acenaphthylene	BDL	0.042	mg/kg	8270C	10/15/02	1
Benzo(a)anthracene	BDL	0.042	mg/kg	8270C	10/15/02	1
Benzo(a)pyrene	BDL	0.042	mg/kg	8270C	10/15/02	1
Benzo(b)fluoranthene	BDL	0.042	mg/kg	8270C	10/15/02	1
Benzo(g,h,i)perylene	BDL	0.042	mg/kg	8270C	10/15/02	1
Benzo(k)fluoranthene	BDL	0.042	mg/kg	8270C	10/15/02	1
Chrysene	BDL	0.042	mg/kg	8270C	10/15/02	1
Dibenz(a,h)anthracene	BDL	0.042	mg/kg	8270C	10/15/02	1
Fluoranthene	BDL	0.042	mg/kg	8270C	10/15/02	1
Fluorene	BDL	0.042	mg/kg	8270C	10/15/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.042	mg/kg	8270C	10/15/02	1
Naphthalene	BDL	0.042	mg/kg	8270C	10/15/02	1
Phenanthrene	BDL	0.042	mg/kg	8270C	10/15/02	1
Pyrene	BDL	0.042	mg/kg	8270C	10/15/02	1
Surrogate Recovery						
Nitrobenzene-d5	70.		% Rec	8270C	10/15/02	1
2-Fluorobiphenyl	74.		% Rec.	8270C	10/15/02	1
p-Terphenyl-d14	74.		% Rec.	8270C	10/15/02	1

Terrie Fudge ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461.01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 2

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

October 17,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L92496-02

Date Received : October 12, 2002
Description : Soil - SSR - Laurens

Site ID :

Sample ID : C-31-B

Project # : 20628

Collected By : David Robinson
Collection Date : 10/08/02 17:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	72.9		%	2540G	10/14/02	1
Benzene	0.14	0.090	mg/kg	8260B	10/15/02	66
Toluene	BDL	0.45	mg/kg	8260B	10/15/02	66
Ethylbenzene	BDL	0.090	mg/kg	8260B	10/15/02	66
Total Xylenes	BDL	0.27	mg/kg	8260B	10/15/02	66
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	10/15/02	66
Dibromofluoromethane	100		% Rec.	8260B	10/15/02	66
4-Bromofluorobenzene	110		% Rec.	8260B	10/15/02	66
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.045	mg/kg	8270C	10/15/02	1
Acenaphthene	BDL	0.045	mg/kg	8270C	10/15/02	1
Acenaphthylene	BDL	0.045	mg/kg	8270C	10/15/02	1
Benzo(a)anthracene	BDL	0.045	mg/kg	8270C	10/15/02	1
Benzo(a)pyrene	BDL	0.045	mg/kg	8270C	10/15/02	1
Benzo(b)fluoranthene	BDL	0.045	mg/kg	8270C	10/15/02	1
Benzo(g,h,i)perylene	BDL	0.045	mg/kg	8270C	10/15/02	1
Benzo(k)fluoranthene	BDL	0.045	mg/kg	8270C	10/15/02	1
Chrysene	BDL	0.045	mg/kg	8270C	10/15/02	1
Dibenz(a,h)anthracene	BDL	0.045	mg/kg	8270C	10/15/02	1
Fluoranthene	BDL	0.045	mg/kg	8270C	10/15/02	1
Fluorene	BDL	0.045	mg/kg	8270C	10/15/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.045	mg/kg	8270C	10/15/02	1
Naphthalene	BDL	0.045	mg/kg	8270C	10/15/02	1
Phenanthrene	BDL	0.045	mg/kg	8270C	10/15/02	1
Pyrene	BDL	0.045	mg/kg	8270C	10/15/02	1
Surrogate Recovery						
Nitrobenzene-d5	80.		% Rec.	8270C	10/15/02	1
2-Fluorobiphenyl	81.		% Rec.	8270C	10/15/02	1
p-Terphenyl-d14	80.		% Rec.	8270C	10/15/02	1

Terrie Fudge ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 2

Note:
This report shall not be reproduced, except in full, without the written approval from ESC.
The reported analytical results relate only to the sample submitted

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571
Waste Approval Code Number

Soil Class: Class 3
Project # 2012222
Sample # C31-A & B

TREATMENT LEVEL VERIFICATION AND END USE NOTIFICATION FORM

TO: DUKE ENERGY PROJECT MANAGER
FROM: SSR LAURENS PLANT OPERATOR
RE: TREATMENT OF SOIL AND ACCEPTABLE END USE

THE FOLLOWING SOIL BATCH WAS TREATED TO THE APPROPRIATE TREATMENT STANDARDS AS REQUIRED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC) BUREAU OF LAND AND WASTE MANAGEMENT (BLWM) SOLID WASTE PERMIT NUMBER #302715-8001. THE ACCEPTABLE END USE OF THE SOILS IS AS INDICATED BELOW:

WASTE BATCH NUMBER (C3-project number-Cxxxxx)	C3-2001222-C31
SAMPLE NUMBER FOR TREATMENT VERIFICATION	C3-2001222-C31-A & B
TREATMENT RESULTS (PASS/FAIL)	PASS
APPROXIMATE TONNAGE	1000
END USE APPROVED BASED ON ANALYTICAL RESULTS	UNRESTRICTED

Certified Signature Bobby K Perritt Date: 10/17/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

Soil Class: Class 3
Project # 2012222
Sample # C31-A & B

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571
Waste Approval Code Number

NON-HAZARDOUS WASTE PROFILE SHEET

GENERATOR INFORMATION

Generator Name: DUKE ENERGY
Phone: 704-373-7898 Contact/Title: MARK MCGARY, MANAGER
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

AGENT FOR GENERATOR INFORMATION (if applicable)

Agent for Generator: ENERGY DELIVERY SERVICES, INC.
Phone: 704-373-7898 Contact/Title: MARK MCGARY, MANAGER
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A
Waste Description: SOILS FROM MANUFACTURED GAS PLANT SITE
Process of Waste Generation: STANDARD OPERATIONS OF MGP SITE
Waste Constituents:

Laboratory Name	ENVIRONMENTAL SCIENCE CORPORATION
Laboratory Address	12065 LEBANON ROAD; MT JULIET, TN 37122
Laboratory Certification No.	84004
Laboratory Sample No.	L91336-01 / L91336-02

	Total (ppm)*	TCLP (ppm) as requested		Total (ppm) L91336-01	Total (ppm) L91336-02	TCLP (ppm) as requested
Arsenic	n/a	n/a	PCB	n/a	n/a	XXXXXXXXX
Barium	n/a	n/a	TPH	n/a	n/a	XXXXXXXXX
Cadmium	n/a	n/a	BTEX	0.09	0.14	XXXXXXXXX
Chromium	n/a	n/a	Benzene	0.09	0.14	n/a
Lead	n/a	n/a	TOX	n/a	n/a	XXXXXXXXX
Mercury	n/a	n/a	Total PAH's	<0.042	<0.045	XXXXXXXXX
Selenium	n/a	n/a	Carc PAH's**	<0.042	<0.045	XXXXXXXXX
Silver	n/a	n/a				
Antimony	n/a	n/a				
Berylium	n/a	n/a				
Nickel	n/a	n/a				

** Carcinogenic PAH's as Benzo(a)Pyrene

By signing this profile sheet I certify that:

1.) I am the generator of the waste described on this sheet.
2.) This waste is not a regulated hazardous waste as defined by the EPA or by applicable ordinances of SC.
3.) This sheet and its attachments contain true and accurate descriptions of the waste.
4.) Any laboratory data used to support the validity of the data shown on this sheet has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, Test Methods for Evaluating Solid Waste, of exactly the same waste that I will deliver to SSR, Inc. for treatment.
5.) I certify that the laboratory results listing lab name, report date, and sample ID# are attached as support to the data certified on this application.
6.) The Laboratory Name, Address, and Certification Number are provided above in the Waste Constituents section.

Certified Signature Bobby C. Perritt Date: 10/17/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

Soil Class: Class 3
Project # 2012222
Sample # C32-A & B

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571
Waste Approval Code Number

NON-HAZARDOUS WASTE PROFILE SHEET

GENERATOR INFORMATION

Generator Name: DUKE ENERGY
Phone: 704-373-7898 Contact/Title: MARK MCGARY, MANAGER
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

AGENT FOR GENERATOR INFORMATION (if applicable)

Agent for Generator: ENERGY DELIVERY SERVICES, INC.
Phone: 704-373-7898 Contact/Title: MARK MCGARY, MANAGER
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A
Waste Description: SOILS FROM MANUFACTURED GAS PLANT SITE
Process of Waste Generation: STANDARD OPERATIONS OF MGP SITE
Waste Constituents:

Laboratory Name	ENVIRONMENTAL SCIENCE CORPORATION
Laboratory Address	12065 LEBANON ROAD; MT JULIET, TN 37122
Laboratory Certification No.	84004
Laboratory Sample No.	L92860-1 / L92860-2

	Total (ppm)*	TCLP (ppm) as requested		Total (ppm) L92860-1	Total (ppm) L92860-2	TCLP (ppm) as requested
Arsenic	n/a	n/a	PCB	n/a	n/a	XXXXXXXXX
Barium	n/a	n/a	TPH	n/a	n/a	XXXXXXXXX
Cadmium	n/a	n/a	BTEX	<.07	<0664	XXXXXXXXX
Chromium	n/a	n/a	Benzene	0.007	0.0067	n/a
Lead	n/a	n/a	TOX	n/a	n/a	XXXXXXXXX
Mercury	n/a	n/a	Total PAH's	0.196	0.459	XXXXXXXXX
Selenium	n/a	n/a	Carc PAH's**	<0.046	<0.044	XXXXXXXXX
Silver	n/a	n/a				
Antimony	n/a	n/a				
Berylium	n/a	n/a				
Nickel	n/a	n/a				

** Carcinogenic PAH's as Benzo(a)Pyrene

By signing this profile sheet I certify that:

1.) I am the generator of the waste described on this sheet.

2.) This waste is not a regulated hazardous waste as defined by the EPA or by applicable ordinances of SC.

3.) This sheet and its attachments contain true and accurate descriptions of the waste.

4.) Any laboratory data used to support the validity of the data shown on this sheet has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, Test Methods for Evaluating Solid Waste, of exactly the same waste that I will deliver to SSR, Inc. for treatment.

5.) I certify that the laboratory results listing lab name, report date, and sample ID# are attached as support to the data certified on this application.

6.) The Laboratory Name, Address, and Certification Number are provided above in the Waste Constituents section.

Certified Signature Bobby K Perritt Date: 10/22/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

Soil Class: Class 3
Project # 2012222
Sample # C31-A & B

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571
Waste Approval Code Number

TREATMENT LEVEL VERIFICATION AND END USE NOTIFICATION FORM

TO: DUKE ENERGY PROJECT MANAGER
FROM: SSR LAURENS PLANT OPERATOR
RE: TREATMENT OF SOIL AND ACCEPTABLE END USE

THE FOLLOWING SOIL BATCH WAS TREATED TO THE APPROPRIATE TREATMENT STANDARDS AS REQUIRED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC) BUREAU OF LAND AND WASTE MANAGEMENT (BLWM) SOLID WASTE PERMIT NUMBER **#302715-8001**. THE ACCEPTABLE END USE OF THE SOILS IS AS INDICATED BELOW:

WASTE BATCH NUMBER (C3-project number-Cxxxxx)	C3-2001222-C32
SAMPLE NUMBER FOR TREATMENT VERIFICATION	C3-2001222-C32-A & B
TREATMENT RESULTS (PASS/FAIL)	PASS
APPROXIMATE TONNAGE	1000
END USE APPROVED BASED ON ANALYTICAL RESULTS	UNRESTRICTED

Certified Signature _____ Date: 10/22/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

October 22,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L92860-01

Date Received : October 16, 2002
Description : Soil - SSR - Laurens

Site ID :

Sample ID : C32-A

Project # : 2062B

Collected By :
Collection Date : 10/14/02 14:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil
Total Solids	74.9		%	2540G	10/17/02	1
Benzene	BDL	0.0067	mg/kg	8260B	10/18/02	5
Toluene	BDL	0.033	mg/kg	8260B	10/18/02	5
Ethylbenzene	BDL	0.0067	mg/kg	8260B	10/18/02	5
Total Xylenes	BDL	0.020	mg/kg	8260B	10/18/02	5
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	10/18/02	5
Dibromofluoromethane	110		% Rec.	8260B	10/18/02	5
4-Bromofluorobenzene	110		% Rec.	8260B	10/18/02	5
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.044	mg/kg	8270C	10/17/02	1
Acenaphthene	BDL	0.044	mg/kg	8270C	10/17/02	1
Acenaphthylene	BDL	0.044	mg/kg	8270C	10/17/02	1
Benzo(a)anthracene	BDL	0.044	mg/kg	8270C	10/17/02	1
Benzo(a)pyrene	BDL	0.044	mg/kg	8270C	10/17/02	1
Benzo(b)fluoranthene	BDL	0.044	mg/kg	8270C	10/17/02	1
Benzo(g,h,i)perylene	BDL	0.044	mg/kg	8270C	10/17/02	1
Benzo(k)fluoranthene	BDL	0.044	mg/kg	8270C	10/17/02	1
Chrysene	0.044	0.044	mg/kg	8270C	10/17/02	1
Dibenz(a,h)anthracene	BDL	0.044	mg/kg	8270C	10/17/02	1
Fluoranthene	0.099	0.044	mg/kg	8270C	10/17/02	1
Fluorene	BDL	0.044	mg/kg	8270C	10/17/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.044	mg/kg	8270C	10/17/02	1
Naphthalene	0.11	0.044	mg/kg	8270C	10/17/02	1
Phenanthrene	0.15	0.044	mg/kg	8270C	10/17/02	1
Pyrene	0.056	0.044	mg/kg	8270C	10/17/02	1
Surrogate Recovery						
Nitrobenzene-d5	63.		% Rec.	8270C	10/17/02	1
2-Fluorobiphenyl	68.		% Rec.	8270C	10/17/02	1
p-Terphenyl-d14	76.		% Rec.	8270C	10/17/02	1

Terrie Fudge, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461.01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 2

ENVIRONMENTAL SCIENCE CORP.

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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

October 22,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L92860-02

Date Received : October 16, 2002
Description : Soil - SSR - Laurens

Site ID :

Sample ID : C32-B

Project # : 20628

Collected By :
Collection Date : 10/15/02 13:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	70.9		%	2540G	10/17/02	1
Benzene	BDL	0.0070	mg/kg	8260B	10/18/02	5
Toluene	BDL	0.035	mg/kg	8260B	10/18/02	5
Ethylbenzene	BDL	0.0070	mg/kg	8260B	10/18/02	5
Total Xylenes	BDL	0.021	mg/kg	8260B	10/18/02	5
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	10/18/02	5
Dibromofluoromethane	110		% Rec.	8260B	10/18/02	5
4-Bromofluorobenzene	110		% Rec.	8260B	10/18/02	5
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.046	mg/kg	8270C	10/17/02	1
Acenaphthene	BDL	0.046	mg/kg	8270C	10/17/02	1
Acenaphthylene	BDL	0.046	mg/kg	8270C	10/17/02	1
Benzo(a)anthracene	BDL	0.046	mg/kg	8270C	10/17/02	1
Benzo(a)pyrene	BDL	0.046	mg/kg	8270C	10/17/02	1
Benzo(b)fluoranthene	BDL	0.046	mg/kg	8270C	10/17/02	1
Benzo(g,h,i)perylene	BDL	0.046	mg/kg	8270C	10/17/02	1
Benzo(K)fluoranthene	BDL	0.046	mg/kg	8270C	10/17/02	1
Chrysene	BDL	0.046	mg/kg	8270C	10/17/02	1
Dibenz(a,h)anthracene	BDL	0.046	mg/kg	8270C	10/17/02	1
Fluoranthene	0.053	0.046	mg/kg	8270C	10/17/02	1
Fluorene	BDL	0.046	mg/kg	8270C	10/17/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.046	mg/kg	8270C	10/17/02	1
Naphthalene	0.067	0.046	mg/kg	8270C	10/17/02	1
Phenanthrene	0.076	0.046	mg/kg	8270C	10/17/02	1
Pyrene	BDL	0.046	mg/kg	8270C	10/17/02	1
Surrogate Recovery						
Nitrobenzene-d5	62.		% Rec.	8270C	10/17/02	1
2-Fluorobiphenyl	60.		% Rec.	8270C	10/17/02	1
p-Terphenyl-d14	67.		% Rec.	8270C	10/17/02	1

Terrie Fudge, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461.01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 2

Note:

The reported analytical results relate only to the sample submitted

C 33 A-B

Soil Class: Class 3
Project # 2012222
Sample # C33-A & B

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571
Waste Approval Code Number

NON-HAZARDOUS WASTE PROFILE SHEET

GENERATOR INFORMATION

Generator Name:	DUKE ENERGY		
Phone:	704-373-7898	Contact/Title:	MARK MCGARY, MANAGER
Address:	6615 CRAIG STREET; CHARLOTTE, NC 28214		
Total estimated tons:	1000	Type and Number of containers:	N/A

AGENT FOR GENERATOR INFORMATION (if applicable)

Agent for Generator:	ENERGY DELIVERY SERVICES, INC.		
Phone:	704-373-7898	Contact/Title:	MARK MCGARY, MANAGER
Address:	6615 CRAIG STREET; CHARLOTTE, NC 28214		
Total estimated tons:	1000	Type and Number of containers:	N/A

Waste Description: SOILS FROM MANUFACTURED GAS PLANT SITE
Process of Waste Generation: STANDARD OPERATIONS OF MGP SITE
Waste Constituents:

Laboratory Name	ENVIRONMENTAL SCIENCE CORPORATION					
Laboratory Address	12065 LEBANON ROAD; MT JULIET, TN 37122					
Laboratory Certification No.	84004					
Laboratory Sample No.	L93815-01	L93815-02				
	Total (ppm)*	**TCLP (ppm) as requested**		**Total (ppm)** L93815-01	**Total (ppm)** L93815-02	**TCLP (ppm) as requested**
Arsenic	n/a	n/a	**PCB**	n/a	n/a	XXXXXXXXX
Barium	n/a	n/a	**TPH**	n/a	n/a	XXXXXXXXX
Cadmium	n/a	n/a	**BTEX**	0.0159	0.0159	XXXXXXXXX
Chromium	n/a	n/a	**Benzene**	0.0045	0.005	n/a
Lead	n/a	n/a	**TOX**	n/a	n/a	XXXXXXXXX
Mercury	n/a	n/a	**Total PAH's**	1.007	1.05	XXXXXXXXX
Selenium	n/a	n/a	**Carc PAH's****	<0.037	<0.038	XXXXXXXXX
Silver	n/a	n/a				
Antimony	n/a	n/a				
Beryllium	n/a	n/a				
Nickel	n/a	n/a				

** Carcinogenic PAH's as Benzo(a)Pyrene

By signing this profile sheet I certify that:

1.) I am the generator of the waste described on this sheet.

2.) This waste is not a regulated hazardous waste as defined by the EPA or by applicable ordinances of SC.

3.) This sheet and its attachments contain true and accurate descriptions of the waste.

4.) Any laboratory data used to support the validity of the data shown on this sheet has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, Test Methods for Evaluating Solid Waste, of exactly the same waste that I will deliver to SSR, Inc. for treatment.

5.) I certify that the laboratory results listing lab name, report date, and sample ID# are attached as support to the data certified on this application.

6.) The Laboratory Name, Address, and Certification Number are provided above in the Waste Constituents section.

Certified Signature Bobby K Perritt Date: 10/30/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

Soil Class:	Class 3
Project #	2012222
Sample #	C33-A & B

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571
Waste Approval Code Number

TREATMENT LEVEL VERIFICATION AND END USE NOTIFICATION FORM

TO: DUKE ENERGY PROJECT MANAGER
FROM: SSR LAURENS PLANT OPERATOR
RE: TREATMENT OF SOIL AND ACCEPTABLE END USE

THE FOLLOWING SOIL BATCH WAS TREATED TO THE APPROPRIATE TREATMENT STANDARDS AS REQUIRED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC) BUREAU OF LAND AND WASTE MANAGEMENT (BLWM) SOLID WASTE PERMIT NUMBER #302715-8001. THE ACCEPTABLE END USE OF THE SOILS IS AS INDICATED BELOW:

WASTE BATCH NUMBER (C3-project number-Cxxxxxx)	C3-2001222-C33
SAMPLE NUMBER FOR TREATMENT VERIFICATION	C3-2001222-C33-A & B
TREATMENT RESULTS (PASS/FAIL)	PASS
APPROXIMATE TONNAGE	1000
END USE APPROVED BASED ON ANALYTICAL RESULTS	UNRESTRICTED

Certified Signature Bobby K. Perritt Date: 10/30/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

October 30,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L93815-01

Date Received : October 25, 2002
Description : Soil - SSR - Laurens

Site ID :

Sample ID : C-33A

Project # : 2062B

Collected By : David Robinson
Collection Date : 10/22/02 18:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	88.5		%	2540G	10/28/02	1
Benzene	0.0045	0.0013	mg/kg	8260B	10/28/02	1.12
Toluene	BDL	0.0063	mg/kg	8260B	10/28/02	1.12
Ethylbenzene	BDL	0.0013	mg/kg	8260B	10/28/02	1.12
Total Xylenes	BDL	0.0038	mg/kg	8260B	10/28/02	1.12
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	10/28/02	1.12
Dibromofluoromethane	110		% Rec.	8260B	10/28/02	1.12
4-Bromofluorobenzene	97.		% Rec.	8260B	10/28/02	1.12
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.037	mg/kg	8270C	10/29/02	1
Acenaphthene	BDL	0.037	mg/kg	8270C	10/29/02	1
Acenaphthylene	BDL	0.037	mg/kg	8270C	10/29/02	1
Benzo(a)anthracene	BDL	0.037	mg/kg	8270C	10/29/02	1
Benzo(a)pyrene	BDL	0.037	mg/kg	8270C	10/29/02	1
Benzo(b)fluoranthene	0.060	0.037	mg/kg	8270C	10/29/02	1
Benzo(g,h,i)perylene	BDL	0.037	mg/kg	8270C	10/29/02	1
Benzo(k)fluoranthene	BDL	0.037	mg/kg	8270C	10/29/02	1
Chrysene	0.068	0.037	mg/kg	8270C	10/29/02	1
Dibenz(a,h)anthracene	BDL	0.037	mg/kg	8270C	10/29/02	1
Fluoranthene	0.23	0.037	mg/kg	8270C	10/29/02	1
Fluorene	BDL	0.037	mg/kg	8270C	10/29/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.037	mg/kg	8270C	10/29/02	1
Naphthalene	0.22	0.037	mg/kg	8270C	10/29/02	1
Phenanthrene	0.37	0.037	mg/kg	8270C	10/29/02	1
Pyrene	0.059	0.037	mg/kg	8270C	10/29/02	1
Surrogate Recovery						
Nitrobenzene-d5	75.		% Rec.	8270C	10/29/02	1
2-Fluorobiphenyl	80.		% Rec.	8270C	10/29/02	1
p-Terphenyl-d14	110		% Rec.	8270C	10/29/02	1

Terrie Fudge ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461.01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01 KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
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1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

October 30, 2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L93815-02

Date Received : October 25, 2002
Description : Soil - SSR - Laurens

Site ID :

Sample ID : C-338

Project # : 20628

Collected By : David Robinson
Collection Date : 10/22/02 18:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	87.3		%	2540G	10/28/02	1
Benzene	0.0050	0.0012	mg/kg	8260B	10/28/02	1.06
Toluene	BDL	0.0061	mg/kg	8260B	10/28/02	1.06
Ethylbenzene	BDL	0.0012	mg/kg	8260B	10/28/02	1.06
Total Xylenes	BDL	0.0036	mg/kg	8260B	10/28/02	1.06
Surrogate Recovery						
Toluene-d8	110		% Rec.	8260B	10/28/02	1.06
Dibromofluoromethane	110		% Rec.	8260B	10/28/02	1.06
4-Bromofluorobenzene	97.		% Rec.	8260B	10/28/02	1.06
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.038	mg/kg	8270C	10/29/02	1
Acenaphthene	BDL	0.038	mg/kg	8270C	10/29/02	1
Acenaphthylene	BDL	0.038	mg/kg	8270C	10/29/02	1
Benzo(a)anthracene	BDL	0.038	mg/kg	8270C	10/29/02	1
Benzo(a)pyrene	BDL	0.038	mg/kg	8270C	10/29/02	1
Benzo(b)fluoranthene	0.053	0.038	mg/kg	8270C	10/29/02	1
Benzo(g,h,i)perylene	BDL	0.038	mg/kg	8270C	10/29/02	1
Benzo(k)fluoranthene	BDL	0.038	mg/kg	8270C	10/29/02	1
Chrysene	0.076	0.038	mg/kg	8270C	10/29/02	1
Dibenz(a,h)anthracene	BDL	0.038	mg/kg	8270C	10/29/02	1
Fluoranthene	0.23	0.038	mg/kg	8270C	10/29/02	1
Fluorene	BDL	0.038	mg/kg	8270C	10/29/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.038	mg/kg	8270C	10/29/02	1
Naphthalene	0.24	0.038	mg/kg	8270C	10/29/02	1
Phenanthrene	0.39	0.038	mg/kg	8270C	10/29/02	1
Pyrene	0.061	0.038	mg/kg	8270C	10/29/02	1
Surrogate Recovery						
Nitrobenzene-d5	75.		% Rec.	8270C	10/29/02	1
2-Fluorobiphenyl	80.		% Rec.	8270C	10/29/02	1
p-Terphenyl-d14	110		% Rec.	8270C	10/29/02	1

Terrie Fudge ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
AZLA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:
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The reported analytical results relate only to the sample submitted

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L93815-01	Naphthalene	J3

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J3	The associated batch QC did not successfully meet the established quality control criteria for precision.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analysis.

	Control Limits				
2-Fluorophenol	31-119	Nitrobenzene-d5	43-118	Dibromfluoromethane	72-125
Phenol-d5	12-134	2-Fluorobiphenyl	45-128	Toluene-d8	79-120
2,4,6-Tribromophenol	51-141	Terphenyl-d14	43-137	4-Bromofluorobenzene	66-131

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

C34 A+B

Soil Class: Class 3
Project # 2012222
Sample # C34-A & B

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford. SC 29571
Waste Approval Code Number

NON-HAZARDOUS WASTE PROFILE SHEET

GENERATOR INFORMATION

Generator Name:	DUKE ENERGY		
Phone:	704-373-7898	Contact/Title:	MARK MCGARY, MANAGER
Address:	6615 CRAIG STREET; CHARLOTTE, NC 28214		
Total estimated tons:	1000	Type and Number of containers:	N/A

AGENT FOR GENERATOR INFORMATION (if applicable)

Agent for Generator:	ENERGY DELIVERY SERVICES, INC.		
Phone:	704-373-7898	Contact/Title:	MARK MCGARY, MANAGER
Address:	6615 CRAIG STREET; CHARLOTTE, NC 28214		
Total estimated tons:	1000	Type and Number of containers:	N/A

Waste Description: SOILS FROM MANUFACTURED GAS PLANT SITE
Process of Waste Generation: STANDARD OPERATIONS OF MGP SITE
Waste Constituents:

Laboratory Name	ENVIRONMENTAL SCIENCE CORPORATION					
Laboratory Address	12065 LEBANON ROAD; MT JULIET, TN 37122					
Laboratory Certification No.	84004					
Laboratory Sample No.	L94354-01	L94354-02				
	Total (ppm)*	**TCLP (ppm) as requested**		**Total (ppm)** L94354-01	**Total (ppm)** L94354-02	**TCLP (ppm) as requested**
Arsenic	n/a	n/a	**PCB**	n/a	n/a	XXXXXXXXX
Barium	n/a	n/a	**TPH**	n/a	n/a	XXXXXXXXX
Cadmium	n/a	n/a	**BTEX**	0.066	0.0609	XXXXXXXXX
Chromium	n/a	n/a	**Benzene**	0.054	0.049	n/a
Lead	n/a	n/a	**TOX**	n/a	n/a	XXXXXXXXX
Mercury	n/a	n/a	**Total PAH's**	1.004	1.104	XXXXXXXXX
Selenium	n/a	n/a	**Carc PAH's****	<0.038	<0.037	XXXXXXXXX
Silver	n/a	n/a				
Antimony	n/a	n/a				
Beryllium	n/a	n/a				
Nickel	n/a	n/a				

** Carcinogenic PAH's as Benzo(a)Pyrene

By signing this profile sheet I certify that:

1.) I am the generator of the waste described on this sheet.

2.) This waste is not a regulated hazardous waste as defined by the EPA or by applicable ordinances of SC.

3.) This sheet and its attachments contain true and accurate descriptions of the waste.

4.) Any laboratory data used to support the validity of the data shown on this sheet has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, Test Methods for Evaluating Solid Waste, of exactly the same waste that I will deliver to SSR, Inc. for treatment.

5.) I certify that the laboratory results listing lab name, report date, and sample ID# are attached as support to the data certified on this application.

6.) The Laboratory Name, Address, and Certification Number are provided above in the Waste Constituents section.

Certified Signature: Bobby K Perritt Date: 11/6/06

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571
Waste Approval Code Number

Soil Class: Class 3
Project # 2012222
Sample # C34-A & B

TREATMENT LEVEL VERIFICATION AND END USE NOTIFICATION FORM

TO: DUKE ENERGY PROJECT MANAGER
FROM: SSR LAURENS PLANT OPERATOR
RE: TREATMENT OF SOIL AND ACCEPTABLE END USE

THE FOLLOWING SOIL BATCH WAS TREATED TO THE APPROPRIATE TREATMENT STANDARDS AS REQUIRED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC) BUREAU OF LAND AND WASTE MANAGEMENT (BLWM) SOLID WASTE PERMIT NUMBER **#302715-8001**. THE ACCEPTABLE END USE OF THE SOILS IS AS INDICATED BELOW:

WASTE BATCH NUMBER (C3-project number-Cxxxxxx)	C3-2001222-C34
SAMPLE NUMBER FOR TREATMENT VERIFICATION	C3-2001222-C34-A & B
TREATMENT RESULTS (PASS/FAIL)	PASS
APPROXIMATE TONNAGE	1000
END USE APPROVED BASED ON ANALYTICAL RESULTS	UNRESTRICTED

Certified Signature _____ Date: 11/6/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

November 05, 2002

ESC Sample # : L94354-01

Site ID :

Project # : 20628

Date Received : October 31, 2002
Description : Soil - SSR - Laurens

Sample ID : C-34-A

Collected By : David Robinson
Collection Date : 10/28/02 15:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil
Total Solids	87.1		%	2540G	11/01/02	1
Benzene	0.054	0.0013	mg/kg	8260B	11/01/02	1.17
Toluene	BDL	0.0067	mg/kg	8260B	11/01/02	1.17
Ethylbenzene	BDL	0.0013	mg/kg	8260B	11/01/02	1.17
Total Xylenes	BDL	0.0040	mg/kg	8260B	11/01/02	1.17
Surrogate Recovery						
Toluene-d8	82.		% Rec.	8260B	11/01/02	1.17
Dibromofluoromethane	130		% Rec.	8260B	11/01/02	1.17
4-Bromofluorobenzene	37.		% Rec.	8260B	11/01/02	1.17
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.038	mg/kg	8270C	11/01/02	1
Acenaphthene	BDL	0.038	mg/kg	8270C	11/01/02	1
Acenaphthylene	BDL	0.038	mg/kg	8270C	11/01/02	1
Benzo(a)anthracene	BDL	0.038	mg/kg	8270C	11/01/02	1
Benzo(a)pyrene	BDL	0.038	mg/kg	8270C	11/01/02	1
Benzo(b)fluoranthene	0.058	0.038	mg/kg	8270C	11/01/02	1
Benzo(g,h,i)perylene	BDL	0.038	mg/kg	8270C	11/01/02	1
Benzo(k)fluoranthene	BDL	0.038	mg/kg	8270C	11/01/02	1
Chrysene	0.072	0.038	mg/kg	8270C	11/01/02	1
Dibenz(a,h)anthracene	BDL	0.038	mg/kg	8270C	11/01/02	1
Fluoranthene	0.23	0.038	mg/kg	8270C	11/01/02	1
Fluorene	BDL	0.038	mg/kg	8270C	11/01/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.038	mg/kg	8270C	11/01/02	1
Naphthalene	0.21	0.038	mg/kg	8270C	11/01/02	1
Phenanthrene	0.38	0.038	mg/kg	8270C	11/01/02	1
Pyrene	0.054	0.038	mg/kg	8270C	11/01/02	1
Surrogate Recovery						
Nitrobenzene-d5	98.		% Rec.	8270C	11/01/02	1
2-Fluorobiphenyl	110		% Rec.	8270C	11/01/02	1
p-Terphenyl-d14	150		% Rec.	8270C	11/01/02	1

Terrie Fudge, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461.01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

ENVIRONMENTAL SCIENCE CORP.

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(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

November 05,2002

Date Received : October 31, 2002
Description : Soil - SSR - Laurens

ESC Sample # : L94354-02

Site ID :

Sample ID : C-34-B

Project # : 20628

Collected By : David Robinson
Collection Date : 10/30/02 10:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	88.6		%	2540G	11/01/02	1
Benzene	0.049	0.0013	mg/kg	8260B	11/01/02	1.18
Toluene	BDL	0.0066	mg/kg	8260B	11/01/02	1.18
Ethylbenzene	BDL	0.0013	mg/kg	8260B	11/01/02	1.18
Total Xylenes	BDL	0.0040	mg/kg	8260B	11/01/02	1.18
Surrogate Recovery						
Toluene-d8	86.		% Rec.	8260B	11/01/02	1.18
Dibromofluoromethane	130		% Rec.	8260B	11/01/02	1.18
4-Bromofluorobenzene	41.		% Rec.	8260B	11/01/02	1.18
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.037	mg/kg	8270C	11/01/02	1
Acenaphthene	BDL	0.037	mg/kg	8270C	11/01/02	1
Acenaphthylene	BDL	0.037	mg/kg	8270C	11/01/02	1
Benzo(a)anthracene	BDL	0.037	mg/kg	8270C	11/01/02	1
Benzo(a)pyrene	BDL	0.037	mg/kg	8270C	11/01/02	1
Benzo(b)fluoranthene	0.056	0.037	mg/kg	8270C	11/01/02	1
Benzo(g,h,i)perylene	BDL	0.037	mg/kg	8270C	11/01/02	1
Benzo(k)fluoranthene	BDL	0.037	mg/kg	8270C	11/01/02	1
Chrysene	0.082	0.037	mg/kg	8270C	11/01/02	1
Dibenz(a,h)anthracene	BDL	0.037	mg/kg	8270C	11/01/02	1
Fluoranthene	0.24	0.037	mg/kg	8270C	11/01/02	1
Fluorene	BDL	0.037	mg/kg	8270C	11/01/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.037	mg/kg	8270C	11/01/02	1
Naphthalene	0.25	0.037	mg/kg	8270C	11/01/02	1
Phenanthrene	0.42	0.037	mg/kg	8270C	11/01/02	1
Pyrene	0.056	0.037	mg/kg	8270C	11/01/02	1
Surrogate Recovery						
Nitrobenzene-d5	110		% Rec.	8270C	11/01/02	1
2-Fluorobiphenyl	120		% Rec.	8270C	11/01/02	1
p-Terphenyl-d14	160		% Rec.	8270C	11/01/02	1

Terrie Fudge ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
AZLA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:
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The reported analytical results relate only to the sample submitted

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L94354-01	Dibromofluoromethane	J1
	4-Bromofluorobenzene	J2
	Benzo(k)fluoranthene	J3
	Pyrene	J3
	p-Terphenyl-d14	J1
L94354-02	Dibromofluoromethane	J1
	4-Bromofluorobenzene	J2
	Benzo(k)fluoranthene	J3
	Pyrene	J3
	p-Terphenyl-d14	J1

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits
J3	The associated batch QC did not successfully meet the established quality control criteria for precision.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

	Control Limits				
2-Fluorophenol	31-119	Nitrobenzene-d5	41-118	Dibromfluoromethane	72-125
Phenol-d5	12-134	2-Fluorobiphenyl	45-128	Toluene-d8	79-120
2,4,6-Tribromophenol	51-141	Terphenyl-d14	43-137	4-Bromofluorobenzene	66-131

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Soil Class: Class 3
Project # 2012222
Sample # C35-A & B

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571
Waste Approval Code Number

NON-HAZARDOUS WASTE PROFILE SHEET

GENERATOR INFORMATION

Generator Name: DUKE ENERGY
Contact/Title: MARK MCGARY, MANAGER
Phone: 704-373-7898
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000
Type and Number of containers: N/A

AGENT FOR GENERATOR INFORMATION (if applicable)

Agent for Generator: ENERGY DELIVERY SERVICES, INC.
Contact/Title: MARK MCGARY, MANAGER
Phone: 704-373-7898
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000
Type and Number of containers: N/A
Waste Description: SOILS FROM MANUFACTURED GAS PLANT SITE
Process of Waste Generation: STANDARD OPERATIONS OF MGP SITE
Waste Constituents:

Laboratory Name	ENVIRONMENTAL SCIENCE CORPORATION
Laboratory Address	12065 LEBANON ROAD; MT JULIET, TN 37122
Laboratory Certification No.	84004
Laboratory Sample No.	L95660-01 / L95660-02

	Total (ppm)*	TCLP (ppm) as requested		Total (ppm) L95660-01	Total (ppm) L95660-02	TCLP (ppm) as requested
Arsenic	n/a	n/a	**PCB**	n/a	n/a	XXXXXXXXX
Barium	n/a	n/a	**TPH**	n/a	n/a	XXXXXXXXX
Cadmium	n/a	n/a	**BTEX**	0.028	0.023	XXXXXXXXX
Chromium	n/a	n/a	**Benzene**	0.028	0.023	n/a
Lead	n/a	n/a	**TOX**	n/a	n/a	XXXXXXXXX
Mercury	n/a	n/a	**Total PAH's**	0.042	0.04	XXXXXXXXX
Selenium	n/a	n/a	**Carc PAH's****	<0.040	<0.040	XXXXXXXXX
Silver	n/a	n/a				
Antimony	n/a	n/a				
Beryllium	n/a	n/a				
Nickel	n/a	n/a				

** Carcinogenic PAH's as Benzo(a)Pyrene

By signing this profile sheet I certify that:

1.) I am the generator of the waste described on this sheet.

2.) This waste is not a regulated hazardous waste as defined by the EPA or by applicable ordinances of SC

3.) This sheet and its attachments contain true and accurate descriptions of the waste.

4.) Any laboratory data used to support the validity of the data shown on this sheet has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, Test Methods for Evaluating Solid Waste, of exactly the same waste that I will deliver to SSR, Inc. for treatment.

5.) I certify that the laboratory results listing lab name, report date, and sample ID# are attached as support to the data certified on this application.

6.) The Laboratory Name, Address, and Certification Number are provided above in the Waste Constituents section.

Certified Signature: Bobby K Perritt Date: 11/18/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

Soil Class:	Class 3
Project #	2012222
Sample #	C35-A & B

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571
Waste Approval Code Number

TREATMENT LEVEL VERIFICATION AND END USE NOTIFICATION FORM

TO: DUKE ENERGY PROJECT MANAGER
FROM: SSR LAURENS PLANT OPERATOR
RE: TREATMENT OF SOIL AND ACCEPTABLE END USE

THE FOLLOWING SOIL BATCH WAS TREATED TO THE APPROPRIATE TREATMENT STANDARDS AS REQUIRED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC) BUREAU OF LAND AND WASTE MANAGEMENT (BLWM) SOLID WASTE PERMIT NUMBER #302715-8001. THE ACCEPTABLE END USE OF THE SOILS IS AS INDICATED BELOW:

WASTE BATCH NUMBER (C3-project number-Cxxxxxx)	C3-2001222-C35
SAMPLE NUMBER FOR TREATMENT VERIFICATION	C3-2001222-C35-A & B
TREATMENT RESULTS (PASS/FAIL)	PASS
APPROXIMATE TONNAGE	1000
END USE APPROVED BASED ON ANALYTICAL RESULTS	UNRESTRICTED

Certified Signature Bobby K. Perritt Date: 11/18/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

November 15, 2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L95660-01

Date Received : November 13, 2002
Description : Soil - SSR - Laurens

Site ID :

Sample ID : C35-A

Project # : 20628

Collected By :
Collection Date : 11/07/02 08:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	82.0		%	2540G	11/14/02	1
Benzene	0.028	0.0013	mg/kg	8260B	11/14/02	1.09
Toluene	BDL	0.0066	mg/kg	8260B	11/14/02	1.09
Ethylbenzene	BDL	0.0013	mg/kg	8260B	11/14/02	1.09
Total Xylenes	BDL	0.0040	mg/kg	8260B	11/14/02	1.09
Surrogate Recovery						
Toluene-d8	89.		% Rec.	8260B	11/14/02	1.09
Dibromofluoromethane	120		% Rec.	8260B	11/14/02	1.09
4-Bromofluorobenzene	52.		% Rec.	8260B	11/14/02	1.09
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.040	mg/kg	8270C	11/14/02	1
Acenaphthene	BDL	0.040	mg/kg	8270C	11/14/02	1
Acenaphthylene	BDL	0.040	mg/kg	8270C	11/14/02	1
Benzo(a)anthracene	BDL	0.040	mg/kg	8270C	11/14/02	1
Benzo(a)pyrene	BDL	0.040	mg/kg	8270C	11/14/02	1
Benzo(b)fluoranthene	BDL	0.040	mg/kg	8270C	11/14/02	1
Benzo(g,h,i)perylene	BDL	0.040	mg/kg	8270C	11/14/02	1
Benzo(k)fluoranthene	BDL	0.040	mg/kg	8270C	11/14/02	1
Chrysene	BDL	0.040	mg/kg	8270C	11/14/02	1
Dibenz(a,h)anthracene	BDL	0.040	mg/kg	8270C	11/14/02	1
Fluoranthene	BDL	0.040	mg/kg	8270C	11/14/02	1
Fluorene	BDL	0.040	mg/kg	8270C	11/14/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.040	mg/kg	8270C	11/14/02	1
Naphthalene	0.042	0.040	mg/kg	8270C	11/14/02	1
Phenanthrene	BDL	0.040	mg/kg	8270C	11/14/02	1
Pyrene						
Surrogate Recovery						
Nitrobenzene-d5	66.		% Rec.	8270C	11/14/02	1
2-Fluorobiphenyl	73.		% Rec.	8270C	11/14/02	1
p-Terphenyl-d14	96.		% Rec.	8270C	11/14/02	1

Terrie Judge, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
AZLA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

ENVIRONMENTAL SCIENCE CORP.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

November 15,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L95660-02

Date Received : November 13, 2002
Description : Soil - SSR - Laurens

Site ID :

Sample ID : C35-B

Project # : 20628

Collected By :
Collection Date : 11/11/02 07:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	82.3		%	2540G	11/14/02	1
Benzene	0.023	0.0012	mg/kg	8260B	11/14/02	1
Toluene	BDL	0.0061	mg/kg	8260B	11/14/02	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	11/14/02	1
Total Xylenes	BDL	0.0036	mg/kg	8260B	11/14/02	1
Surrogate Recovery						
Toluene-d8	85.		% Rec.	8260B	11/14/02	1
Dibromofluoromethane	120		% Rec.	8260B	11/14/02	1
4-Bromofluorobenzene	37.		% Rec.	8260B	11/14/02	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.040	mg/kg	8270C	11/14/02	1
Acenaphthene	BDL	0.040	mg/kg	8270C	11/14/02	1
Acenaphthylene	BDL	0.040	mg/kg	8270C	11/14/02	1
Benzo(a)anthracene	BDL	0.040	mg/kg	8270C	11/14/02	1
Benzo(a)pyrene	BDL	0.040	mg/kg	8270C	11/14/02	1
Benzo(b)fluoranthene	BDL	0.040	mg/kg	8270C	11/14/02	1
Benzo(g,h,i)perylene	BDL	0.040	mg/kg	8270C	11/14/02	1
Benzo(k)fluoranthene	BDL	0.040	mg/kg	8270C	11/14/02	1
Chrysene	BDL	0.040	mg/kg	8270C	11/14/02	1
Dibenz(a,h)anthracene	BDL	0.040	mg/kg	8270C	11/14/02	1
Fluoranthene	BDL	0.040	mg/kg	8270C	11/14/02	1
Fluorene	BDL	0.040	mg/kg	8270C	11/14/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.040	mg/kg	8270C	11/14/02	1
Naphthalene	BDL	0.040	mg/kg	8270C	11/14/02	1
Phenanthrene	BDL	0.040	mg/kg	8270C	11/14/02	1
Pyrene						
Surrogate Recovery						
Nitrobenzene-d5	61.		% Rec.	8270C	11/14/02	1
2-Fluorobiphenyl	67.		% Rec.	8270C	11/14/02	1
p-Terphenyl-d14	93.		% Rec.	8270C	11/14/02	1

Terrie Fudge, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

	Control Limits				
2-Fluorophenol	31-119	Nitrobenzene-d5	43-118	Dibromofluoromethane	72-125
Phenol-d5	12-134	2-Fluorobiphenyl	45-128	Toluene-d8	79-120
2,4,6-Tribromophenol	51-141	Terphenyl-d14	43-137	4-Bromofluorobenzene	66-131

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L95660-01	4-Bromofluorobenzene	J2
L95660-02	4-Bromofluorobenzene	J2

C-36A+B

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571
Waste Approval Code Number

Soil Class: Class 3
Project # 2012222
Sample # C36-A & B

TREATMENT LEVEL VERIFICATION AND END USE NOTIFICATION FORM

TO: DUKE ENERGY PROJECT MANAGER
FROM: SSR LAURENS PLANT OPERATOR
RE: TREATMENT OF SOIL AND ACCEPTABLE END USE

THE FOLLOWING SOIL BATCH WAS TREATED TO THE APPROPRIATE TREATMENT STANDARDS AS REQUIRED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC) BUREAU OF LAND AND WASTE MANAGEMENT (BLWM) SOLID WASTE PERMIT NUMBER #302715-8001. THE ACCEPTABLE END USE OF THE SOILS IS AS INDICATED BELOW:

WASTE BATCH NUMBER (C3-project number-Cxxxxxx)	C3-2001222-C36
SAMPLE NUMBER FOR TREATMENT VERIFICATION	C3-2001222-C36-A & B
TREATMENT RESULTS (PASS/FAIL)	PASS
APPROXIMATE TONNAGE	1000
END USE APPROVED BASED ON ANALYTICAL RESULTS	UNRESTRICTED

Certified Signature AS AGENT Date: 11/20/2002

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

Soil Class: Class 3
Project # 2012222
Sample # C36-A & B

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571
Waste Approval Code Number

NON-HAZARDOUS WASTE PROFILE SHEET

GENERATOR INFORMATION

Generator Name: DUKE ENERGY
Phone: 704-373-7898 Contact/Title: MARK MCGARY, MANAGER
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

AGENT FOR GENERATOR INFORMATION (if applicable)

Agent for Generator: ENERGY DELIVERY SERVICES, INC.
Phone: 704-373-7898 Contact/Title: MARK MCGARY, MANAGER
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A
Waste Description: SOILS FROM MANUFACTURED GAS PLANT SITE
Process of Waste Generation: STANDARD OPERATIONS OF MGP SITE
Waste Constituents:

Laboratory Name	ENVIRONMENTAL SCIENCE CORPORATION					
Laboratory Address	12065 LEBANON ROAD; MT JULIET, TN 37122					
Laboratory Certification No.	84004					
Laboratory Sample No.	L96104-01	L96104-02				
	Total (ppm)*	**TCLP (ppm) as requested**		**Total (ppm)** L96104-01	**Total (ppm)** L96104-02	**TCLP (ppm) as requested**
Arsenic	n/a	n/a	**PCB**	n/a	n/a	XXXXXXXXX
Barium	n/a	n/a	**TPH**	n/a	n/a	XXXXXXXXX
Cadmium	n/a	n/a	**BTEX**	0.0065	0.011	XXXXXXXXX
Chromium	n/a	n/a	**Benzene**	0.0065	0.011	n/a
Lead	n/a	n/a	**TOX**	n/a	n/a	XXXXXXXXX
Mercury	n/a	n/a	**Total PAH's**	0.046	0.044	XXXXXXXXX
Selenium	n/a	n/a	**Carc PAH's****	<0.039	<0.044	XXXXXXXXX
Silver	n/a	n/a				
Antimony	n/a	n/a				
Beryllium	n/a	n/a				
Nickel	n/a	n/a				

** Carcinogenic PAH's as Benzo(a)Pyrene

By signing this profile sheet I certify that:

1.) I am the generator of the waste described on this sheet.

2.) This waste is not a regulated hazardous waste as defined by the EPA or by applicable ordinances of SC.

3.) This sheet and its attachments contain true and accurate descriptions of the waste.

4.) Any laboratory data used to support the validity of the data shown on this sheet has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, Test Methods for Evaluating Solid Waste, of exactly the same waste that was delivered to SSR, Inc. for treatment and subsequently treated.

5.) I certify that the laboratory results listing lab name, report date, and sample ID# are attached as support to the data certified on this application.

6.) The Laboratory Name, Address, and Certification Number are provided above in the Waste Constituents section.

Certified Signature: [signature] As AGENT Date: 11/20/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits
J3	The associated batch QC did not successfully meet the established quality control criteria for precision.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

	Control Limits				Control Limits
2-Fluorophenol	31-119	Nitrobenzene-d5	43-118	Dibromfluoromethane	72-125
Phenol-d5	12-134	2-Fluorobiphenyl	45-128	Toluene-d8	79-120
2,4,6-Tribromophenol	51-141	Terphenyl-d14	43-137	4-Bromofluorobenzene	66-131

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L96104-01	4-Bromofluorobenzene	J2
	Acenaphthene	J3
	Acenaphthylene	J3
	Naphthalene	J3
L96104-02	4-Bromofluorobenzene	J2
	Anthracene	J3
	Acenaphthene	J3
	Naphthalene	J3

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

November 19,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L96104-02

Date Received : November 16, 2002
Description : Soil - SSR - Laurens

Site ID :

Sample ID : C36-8

Project # : 20628

Collected By :
Collection Date : 11/15/02 15:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	74.4		%	2540G	11/19/02	1
Benzene	0.011	0.0013	mg/kg	8260B	11/17/02	1
Toluene	BDL	0.0067	mg/kg	8260B	11/17/02	1
Ethylbenzene	BDL	0.0013	mg/kg	8260B	11/17/02	1
Total Xylenes	BDL	0.0040	mg/kg	8260B	11/17/02	1
Surrogate Recovery						
Toluene-d8	86.		% Rec.	8260B	11/17/02	1
Dibromofluoromethane	120		% Rec.	8260B	11/17/02	1
4-Bromofluorobenzene	40.		% Rec.	8260B	11/17/02	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.044	mg/kg	8270C	11/18/02	1
Acenaphthene	BDL	0.044	mg/kg	8270C	11/18/02	1
Acenaphthylene	BDL	0.044	mg/kg	8270C	11/18/02	1
Benzo(a)anthracene	BDL	0.044	mg/kg	8270C	11/18/02	1
Benzo(a)pyrene	BDL	0.044	mg/kg	8270C	11/18/02	1
Benzo(b)fluoranthene	BDL	0.044	mg/kg	8270C	11/18/02	1
Benzo(g,h,i)perylene	BDL	0.044	mg/kg	8270C	11/18/02	1
Benzo(k)fluoranthene	BDL	0.044	mg/kg	8270C	11/18/02	1
Chrysene	BDL	0.044	mg/kg	8270C	11/18/02	1
Dibenz(a,h)anthracene	BDL	0.044	mg/kg	8270C	11/18/02	1
Fluoranthene	BDL	0.044	mg/kg	8270C	11/18/02	1
Fluorene	BDL	0.044	mg/kg	8270C	11/18/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.044	mg/kg	8270C	11/18/02	1
Naphthalene	BDL	0.044	mg/kg	8270C	11/18/02	1
Phenanthrene	BDL	0.044	mg/kg	8270C	11/18/02	1
Pyrene						
Surrogate Recovery						
Nitrobenzene-d5	58.		% Rec.	8270C	11/18/02	1
2-Fluorobiphenyl	65.		% Rec.	8270C	11/18/02	1
p-Terphenyl-d14	88.		% Rec.	8270C	11/18/02	1

Terrie Fudge ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

November 19,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L96104-01

Date Received : November 16, 2002
Description : Soil - SSR - Laurens

Site ID :

Sample ID : C36-A

Project # : 20628

Collected By :
Collection Date : 11/13/02 09:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	83.7		%	2540G	11/18/02	1
Benzene	0.0065	0.0013	mg/kg	8260B	11/17/02	1.09
Toluene	BDL	0.0065	mg/kg	8260B	11/17/02	1.09
Ethylbenzene	BDL	0.0013	mg/kg	8260B	11/17/02	1.09
Total Xylenes	BDL	0.0039	mg/kg	8260B	11/17/02	1.09
Surrogate Recovery						
Toluene-d8	91.		% Rec.	8260B	11/17/02	1.09
Dibromofluoromethane	120		% Rec.	8260B	11/17/02	1.09
4-Bromofluorobenzene	45.		% Rec.	8260B	11/17/02	1.09
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.039	mg/kg	8270C	11/18/02	1
Acenaphthene	BDL	0.039	mg/kg	8270C	11/18/02	1
Acenaphthylene	BDL	0.039	mg/kg	8270C	11/18/02	1
Benzo(a)anthracene	BDL	0.039	mg/kg	8270C	11/18/02	1
Benzo(a)pyrene	BDL	0.039	mg/kg	8270C	11/18/02	1
Benzo(b)fluoranthene	BDL	0.039	mg/kg	8270C	11/18/02	1
Benzo(g,h,i)perylene	BDL	0.039	mg/kg	8270C	11/18/02	1
Benzo(k)fluoranthene	BDL	0.039	mg/kg	8270C	11/18/02	1
Chrysene	BDL	0.039	mg/kg	8270C	11/18/02	1
Dibenz(a,h)anthracene	BDL	0.039	mg/kg	8270C	11/18/02	1
Fluoranthene	BDL	0.039	mg/kg	8270C	11/18/02	1
Fluorene	BDL	0.039	mg/kg	8270C	11/18/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.039	mg/kg	8270C	11/18/02	1
Naphthalene	0.046	0.039	mg/kg	8270C	11/18/02	1
Phenanthrene	BDL	0.039	mg/kg	8270C	11/18/02	1
Pyrene						
Surrogate Recovery						
Nitrobenzene-d5	61.		% Rec.	8270C	11/18/02	1
2-Fluorobiphenyl	65.		% Rec.	8270C	11/18/02	1
p-Terphenyl-d14	91.		% Rec.	8270C	11/18/02	1

Terrie Fudge ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

C38 A + B

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571
Waste Approval Code Number

Soil Class: Class 3
Project # 2012222
Sample # C38-A & B

NON-HAZARDOUS WASTE PROFILE SHEET

GENERATOR INFORMATION

Generator Name:	DUKE ENERGY		
Phone:	704-373-7898	Contact/Title:	MARK MCGARY, MANAGER
Address:	6615 CRAIG STREET; CHARLOTTE, NC 28214		
Total estimated tons:	1000	Type and Number of containers:	N/A

AGENT FOR GENERATOR INFORMATION (if applicable)

Agent for Generator:	ENERGY DELIVERY SERVICES, INC.		
Phone:	704-373-7898	Contact/Title:	MARK MCGARY, MANAGER
Address:	6615 CRAIG STREET; CHARLOTTE, NC 28214		
Total estimated tons:	1000	Type and Number of containers:	N/A

Waste Description: SOILS FROM MANUFACTURED GAS PLANT SITE
Process of Waste Generation: STANDARD OPERATIONS OF MGP SITE
Waste Constituents:

Laboratory Name	ENVIRONMENTAL SCIENCE CORPORATION
Laboratory Address	12065 LEBANON ROAD; MT JULIET, TN 37122
Laboratory Certification No.	84004
Laboratory Sample No.	L97221-01 / L97221-02

	Total (ppm)*	TCLP (ppm) as requested		Total (ppm) L97221-01	Total (ppm) L97221-02	TCLP (ppm) as requested
Arsenic	n/a	n/a	PCB	n/a	n/a	XXXXXXXXX
Barium	n/a	n/a	TPH	n/a	n/a	XXXXXXXXX
Cadmium	n/a	n/a	BTEX	0.061	0.087	XXXXXXXXX
Chromium	n/a	n/a	Benzene	0.052	0.075	n/a
Lead	n/a	n/a	TOX	n/a	n/a	XXXXXXXXX
Mercury	n/a	n/a	Total PAH's	<0.043	<0.044	XXXXXXXXX
Selenium	n/a	n/a	Carc PAH's**	<0.043	<0.044	XXXXXXXXX
Silver	n/a	n/a				
Antimony	n/a	n/a				
Berylium	n/a	n/a				
Nickel	n/a	n/a				

** Carcinogenic PAH's as Benzo(a)Pyrene

By signing this profile sheet I certify that:

1.) I am the generator of the waste described on this sheet.

2.) This waste is not a regulated hazardous waste as defined by the EPA or by applicable ordinances of SC.

3.) This sheet and its attachments contain true and accurate descriptions of the waste.

4.) Any laboratory data used to support the validity of the data shown on this sheet has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, Test Methods for Evaluating Solid Waste, of exactly the same waste that was delivered to SSR, Inc. for treatment and subsequently treated.

5.) I certify that the laboratory results listing lab name, report date, and sample ID# are attached as support to the data certified on this application.

6.) The Laboratory Name, Address, and Certification Number are provided above in the Waste Constituents section.

Certified Signature: _____ Date: 12/03/2002

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

Soil Class:	Class 3
Project #	2012222
Sample #	C38-A & B

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571
Waste Approval Code Number

TREATMENT LEVEL VERIFICATION AND END USE NOTIFICATION FORM

TO: DUKE ENERGY PROJECT MANAGER
FROM: SSR LAURENS PLANT OPERATOR
RE: TREATMENT OF SOIL AND ACCEPTABLE END USE

THE FOLLOWING SOIL BATCH WAS TREATED TO THE APPROPRIATE TREATMENT STANDARDS AS REQUIRED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC) BUREAU OF LAND AND WASTE MANAGEMENT (BLWM) SOLID WASTE PERMIT NUMBER **#302715-8001**. THE ACCEPTABLE END USE OF THE SOILS IS AS INDICATED BELOW:

WASTE BATCH NUMBER (C3-project number-Cxxxxxx)	C3-2001222-C38
SAMPLE NUMBER FOR TREATMENT VERIFICATION	C3-2001222-C38-A & B
TREATMENT RESULTS (PASS/FAIL)	PASS
APPROXIMATE TONNAGE	1000
END USE APPROVED BASED ON ANALYTICAL RESULTS	UNRESTRICTED

Certified Signature: _____ Date: 12/03/2002

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

ENVIRONMENTAL SCIENCE CORP.

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Est. 1970

REPORT OF ANALYSIS

December 03,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L97221-01

Site ID :

Project # : 20628

Date Received : November 27, 2002
Description : SSR - Laurens

Sample ID : C38-A

Collected By : Steve Clontz
Collection Date : 11/25/02 06:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	76.6		%	2540G	11/29/02	1
Benzene	0.052	0.0015	mg/kg	8260B	11/30/02	1.13
Toluene	0.0088	0.0074	mg/kg	8260B	11/30/02	1.13
Ethylbenzene	BDL	0.0015	mg/kg	8260B	11/30/02	1.13
Total Xylenes	BDL	0.0044	mg/kg	8260B	11/30/02	1.13
Surrogate Recovery						
Toluene-d8	87.		% Rec.	8260B	11/30/02	1.13
Dibromofluoromethane	120		% Rec.	8260B	11/30/02	1.13
4-Bromofluorobenzene	46.		% Rec.	8260B	11/30/02	1.13
Base/Neutral Extractables						
Acenaphthene	BDL	0.043	mg/kg	8270C	12/02/02	1
Acenaphthylene	BDL	0.043	mg/kg	8270C	12/02/02	1
Anthracene	BDL	0.043	mg/kg	8270C	12/02/02	1
Benzo(a)anthracene	BDL	0.043	mg/kg	8270C	12/02/02	1
Benzo(b)fluoranthene	BDL	0.043	mg/kg	8270C	12/02/02	1
Benzo(k)fluoranthene	BDL	0.043	mg/kg	8270C	12/02/02	1
Benzo(g,h,i)perylene	BDL	0.043	mg/kg	8270C	12/02/02	1
Benzo(a)pyrene	BDL	0.043	mg/kg	8270C	12/02/02	1
Chrysene	BDL	0.043	mg/kg	8270C	12/02/02	1
Dibenz(a,h)anthracene	BDL	0.043	mg/kg	8270C	12/02/02	1
Fluoranthene	BDL	0.043	mg/kg	8270C	12/02/02	1
Fluorene	BDL	0.043	mg/kg	8270C	12/02/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.043	mg/kg	8270C	12/02/02	1
Naphthalene	BDL	0.043	mg/kg	8270C	12/02/02	1
Phenanthrene	BDL	0.043	mg/kg	8270C	12/02/02	1
Pyrene	BDL	0.043	mg/kg	8270C	12/02/02	1
Acid Extractables						
Nitrobenzene-d5	76		% Rec.	8270C	12/02/02	1
2-Fluorobiphenyl	89.		% Rec.	8270C	12/02/02	1
p-Terphenyl-d14	99.		% Rec.	8270C	12/02/02	1

Terrie Fudge / ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Est. 1970

REPORT OF ANALYSIS

December 03, 2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L97221-02

Site ID :

Project # : 20628

Date Received : November 27, 2002
Description : SSR - Laurens

Sample ID : C38-B

Collected By : Steve Clontz
Collection Date : 11/26/02 04:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	75.6		%	2540G	11/29/02	1
Benzene	0.075	0.0014	mg/kg	8260B	11/30/02	1.1
Toluene	0.012	0.0073	mg/kg	8260B	11/30/02	1.1
Ethylbenzene	BDL	0.0014	mg/kg	8260B	11/30/02	1.1
Total Xylenes	BDL	0.0044	mg/kg	8260B	11/30/02	1.1
Surrogate Recovery						
Toluene-d8	87.		% Rec.	8260B	11/30/02	1.1
Dibromofluoromethane	130		% Rec.	8260B	11/30/02	1.1
4-Bromofluorobenzene	47.		% Rec.	8260B	11/30/02	1.1
Base/Neutral Extractables						
Acenaphthene	BDL	0.044	mg/kg	8270C	12/02/02	1
Acenaphthylene	BDL	0.044	mg/kg	8270C	12/02/02	1
Anthracene	BDL	0.044	mg/kg	8270C	12/02/02	1
Benzo(a)anthracene	BDL	0.044	mg/kg	8270C	12/02/02	1
Benzo(b)fluoranthene	BDL	0.044	mg/kg	8270C	12/02/02	1
Benzo(k)fluoranthene	BDL	0.044	mg/kg	8270C	12/02/02	1
Benzo(g,h,i)perylene	BDL	0.044	mg/kg	8270C	12/02/02	1
Benzo(a)pyrene	BDL	0.044	mg/kg	8270C	12/02/02	1
Chrysene	BDL	0.044	mg/kg	8270C	12/02/02	1
Dibenz(a,h)anthracene	BDL	0.044	mg/kg	8270C	12/02/02	1
Fluoranthene	BDL	0.044	mg/kg	8270C	12/02/02	1
Fluorene	BDL	0.044	mg/kg	8270C	12/02/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.044	mg/kg	8270C	12/02/02	1
Naphthalene	BDL	0.044	mg/kg	8270C	12/02/02	1
Phenanthrene	BDL	0.044	mg/kg	8270C	12/02/02	1
Pyrene	BDL	0.044	mg/kg	8270C	12/02/02	1
Acid Extractables						
Nitrobenzene-d5	86.		% Rec.	8270C	12/02/02	1
2-Fluorobiphenyl	94.		% Rec.	8270C	12/02/02	1
p-Terphenyl-d14	110		% Rec.	8270C	12/02/02	1

Terrie Fudge, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461.01, AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-IN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:
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The reported analytical results relate only to the sample submitted

ENVIRONMENTAL SCIENCE CORP.

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Tax I D. 62-0814289

Est 1970

REPORT OF ANALYSIS

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

December 03, 2002

ESC Sample # : L97221-03

Site ID :

Project # : 20628

Date Received : November 27, 2002
Description : SSR - Laurens

Sample ID : C37-1

Collected By : Steve Clontz
Collection Date : 11/26/02 11:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil
Total Solids	69.6		%	2540G	11/29/02	1
Surrogate Recovery						
Base/Neutral Extractables						
Acenaphthene	BDL	0.047	mg/kg	8270C	12/02/02	1
Acenaphthylene	BDL	0.047	mg/kg	8270C	12/02/02	1
Anthracene	BDL	0.047	mg/kg	8270C	12/02/02	1
Benzo(a)anthracene	BDL	0.047	mg/kg	8270C	12/02/02	1
Benzo(b)fluoranthene	BDL	0.047	mg/kg	8270C	12/02/02	1
Benzo(k)fluoranthene	BDL	0.047	mg/kg	8270C	12/02/02	1
Benzo(g,h,i)perylene	BDL	0.047	mg/kg	8270C	12/02/02	1
Benzo(a)pyrene	BDL	0.047	mg/kg	8270C	12/02/02	1
Chrysene	BDL	0.047	mg/kg	8270C	12/02/02	1
Dibenz(a,h)anthracene	BDL	0.047	mg/kg	8270C	12/02/02	1
Fluoranthene	BDL	0.047	mg/kg	8270C	12/02/02	1
Fluorene	BDL	0.047	mg/kg	8270C	12/02/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.047	mg/kg	8270C	12/02/02	1
Naphthalene	BDL	0.047	mg/kg	8270C	12/02/02	1
Phenanthrene	BDL	0.047	mg/kg	8270C	12/02/02	1
Pyrene	BDL	0.047	mg/kg	8270C	12/02/02	1
Acid Extractables						
Nitrobenzene-d5	71.		% Rec.	8270C	12/02/02	1
2-Fluorobiphenyl	82.		% Rec.	8270C	12/02/02	1
p-Terphenyl-d14	79.		% Rec.	8270C	12/02/02	1

Submitted under separate Cover

Terrie Fudge ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

December 03,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L97221-04

Date Received : November 27, 2002
Description : SSR - Laurens

Site ID :

Sample ID : C37-2

Project # : 20628

Collected By :
Collection Date : 11/26/02 11:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	84.7		%	2540G	11/29/02	1
Benzene	0.012	0.0012	mg/kg	8260B	12/02/02	1.02
Toluene	BDL	0.0060	mg/kg	8260B	12/02/02	1.02
Ethylbenzene	BDL	0.0012	mg/kg	8260B	12/02/02	1.02
Total Xylenes	BDL	0.0036	mg/kg	8260B	12/02/02	1.02
Surrogate Recovery						
Toluene-d8	92.		% Rec.	8260B	12/02/02	1.02
Dibromofluoromethane	110		% Rec.	8260B	12/02/02	1.02
4-Bromofluorobenzene	31.		% Rec.	8260B	12/02/02	1.02
Base/Neutral Extractables						
Acenaphthene	BDL	0.039	mg/kg	8270C	12/02/02	1
Acenaphthylene	BDL	0.039	mg/kg	8270C	12/02/02	1
Anthracene	BDL	0.039	mg/kg	8270C	12/02/02	1
Benzo(a)anthracene	BDL	0.039	mg/kg	8270C	12/02/02	1
Benzo(b)fluoranthene	BDL	0.039	mg/kg	8270C	12/02/02	1
Benzo(k)fluoranthene	BDL	0.039	mg/kg	8270C	12/02/02	1
Benzo(g,h,i)perylene	BDL	0.039	mg/kg	8270C	12/02/02	1
Benzo(a)pyrene	BDL	0.039	mg/kg	8270C	12/02/02	1
Chrysene	BDL	0.039	mg/kg	8270C	12/02/02	1
Dibenz(a,h)anthracene	BDL	0.039	mg/kg	8270C	12/02/02	1
Fluoranthene	BDL	0.039	mg/kg	8270C	12/02/02	1
Fluorene	BDL	0.039	mg/kg	8270C	12/02/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.039	mg/kg	8270C	12/02/02	1
Naphthalene	BDL	0.039	mg/kg	8270C	12/02/02	1
Phenanthrene	BDL	0.039	mg/kg	8270C	12/02/02	1
Pyrene	BDL	0.039	mg/kg	8270C	12/02/02	1
Acid Extractables						
Nitrobenzene-d5	77.		% Rec.	8270C	12/02/02	1
2-Fluorobiphenyl	83.		% Rec	8270C	12/02/02	1
p-Terphenyl-d14	83.		% Rec.	8270C	12/02/02	1

Submitted under Separate Cover

Terrie Fudge, ESC Representative

Results listed are dry weight basis
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L97221-01	4-Bromofluorobenzene	J2
	Benzo(g,h,i)perylene	J4J3
	Dibenz(a,h)anthracene	J3
	Fluoranthene	J3
	Indeno(1,2,3-cd)pyrene	J4J3
L97221-02	Dibromofluoromethane	J1
	4-Bromofluorobenzene	J2
	Benzo(g,h,i)perylene	J4J3
	Dibenz(a,h)anthracene	J3
	Fluoranthene	J3
	Indeno(1,2,3-cd)pyrene	J4J3
L97221-03	Benzo(g,h,i)perylene	J4J3
	Dibenz(a,h)anthracene	J3
	Fluoranthene	J3
	Indeno(1,2,3-cd)pyrene	J4J3
L97221-04	4-Bromofluorobenzene	J2
	Benzo(g,h,i)perylene	J4
	Indeno(1,2,3-cd)pyrene	J4J5

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is unacceptably high

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

	Control Limits				
2-Fluorophenol	31-119	Nitrobenzene-d5	43-118	Dibromfluoromethane	72-125
Phenol-d5	12-134	2-Fluorobiphenyl	45-128	Toluene-d8	79-120
2,4,6-Tribromophenol	51-141	Terphenyl-d14	43-137	4-Bromofluorobenzene	66-131

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

HP LaserJet *3330*

DUKE ENERGY EDS
864 241 5083
Dec-3-2002 1:12PM

Fax Activity Log

Job	Date	Time	Type	Identification	Duration	Pages	Result
201	11/15/2002	1:49:03PM	Send	2136101	0:46	2	OK
202	11/18/2002	10:03:27AM	Receive	864 213 6101	0:53	3	OK
203	11/18/2002	10:12:45AM	Receive	8435667068	2:35	7	OK
204	11/18/2002	11:08:59AM	Receive	704 382 4108	1:32	4	OK
205	11/18/2002	11:35:44AM	Send	18644390097	0:34	1	OK
206	11/18/2002	6:01:31PM	Receive	864 969 4545	0:42	1	OK
207	11/19/2002	3:34:25PM	Send	19803739734	2:16	5	OK
208	11/19/2002	4:30:53PM	Receive	864 213 6102	0:40	2	OK
209	11/19/2002	5:16:58PM	Send	2136101	0:47	2	OK
210	11/19/2002	8:13:59PM	Receive		0:38	0	No Fax Detected
211	11/20/2002	9:40:44AM	Receive	864 969 4545	1:04	2	Comm Error 244
212	11/20/2002	9:42:14AM	Receive	864 969 4545	2:27	6	OK
213	11/20/2002	9:54:40AM	Receive	864 969 4545	0:52	1	OK
214	11/20/2002	2:38:57PM	Receive	704 382 4108	0:40	4	OK
215	11/20/2002	5:40:01PM	Receive	864 969 4545	0:43	1	OK
216	11/21/2002	10:27:38AM	Receive	704 331 0967	1:47	3	OK
217	11/21/2002	2:59:40PM	Receive	1 704 588 5742	1:07	3	OK
218	11/21/2002	6:25:03PM	Receive	864 969 4545	0:37	1	OK
219	11/22/2002	7:22:46AM	Send	2136101	0:34	1	OK
220	11/22/2002	8:10:24AM	Send	2136101	0:35	1	OK
221	11/22/2002	12:26:03PM	Send	17043824108	0:39	1	OK
222	11/22/2002	3:43:48PM	Send	17043824108	0:00	0	Busy
223	11/22/2002	3:45:13PM	Send	17043824108	0:51	1	OK
224	11/22/2002	3:52:31PM	Receive	1 864 439 0097	0:34	1	OK
225	11/24/2002	7:06:26PM	Receive		0:38	0	No Fax Detected
226	11/24/2002	7:16:15PM	Receive		0:39	0	No Fax Detected
227	11/25/2002	8:46:49AM	Receive	1 864 439 0097	0:45	1	OK
228	11/25/2002	12:33:18PM	Send	2136101	0:48	2	OK
229	11/25/2002	12:36:28PM	Send	17043824108	0:51	1	OK
230	11/25/2002	5:16:24PM	Send	17043824108	0:59	1	OK
231	11/25/2002	8:14:42PM	Receive		0:38	0	No Fax Detected
232	11/27/2002	8:24:46PM	Receive		0:39	0	No Fax Detected
233	12/ 2/2002	7:45:32AM	Send	2136101	0:58	3	OK
234	12/ 2/2002	4:01:02PM	Receive	864 963 2063	0:45	4	OK
235	12/ 2/2002	4:51:51PM	Receive	1 864 439 0097	1:31	3	OK
236	12/ 2/2002	6:17:05PM	Receive	8638024900	1:10	2	OK
237	12/ 3/2002	10:43:43AM	Receive	704 382 6240	0:29	1	OK
238	12/ 3/2002	10:45:57AM	Receive	704 382 6240	0:29	1	OK
239	12/ 3/2002	12:41:34PM	Receive		0:39	0	No Fax Detected
240	12/ 3/2002	1:09:34PM	Receive	843 873 8765	3:13	9	OK

C-37 1+2

Soil Class: Class 3
Project #: 2012222
Sample #: C37-1 & 2

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571
Waste Approval Code Number

NON-HAZARDOUS WASTE PROFILE SHEET

GENERATOR INFORMATION

Generator Name: DUKE ENERGY
Phone: 704-373-7898 Contact/Title: MARK MCGARY, MANAGER
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A

AGENT FOR GENERATOR INFORMATION (if applicable)

Agent for Generator: ENERGY DELIVERY SERVICES, INC.
Phone: 704-373-7898 Contact/Title: MARK MCGARY, MANAGER
Address: 6615 CRAIG STREET; CHARLOTTE, NC 28214
Total estimated tons: 1000 Type and Number of containers: N/A
Waste Description: SOILS FROM MANUFACTURED GAS PLANT SITE
Process of Waste Generation: STANDARD OPERATIONS OF MGP SITE
Waste Constituents:

Laboratory Name	ENVIRONMENTAL SCIENCE CORPORATION
Laboratory Address	12065 LEBANON ROAD; MT JULIET, TN 37122
Laboratory Certification No.	84004
Laboratory Sample No.	L97221-03 / L97221-04

	Total (ppm)*	TCLP (ppm) as requested		Total (ppm) L97221-03	Total (ppm) L97221-04	TCLP (ppm) as requested
Arsenic	n/a	n/a	PCB	n/a	n/a	XXXXXXXXX
Barium	n/a	n/a	TPH	n/a	n/a	XXXXXXXXX
Cadmium	n/a	n/a	BTEX	<0.40	0.012	XXXXXXXXX
Chromium	n/a	n/a	Benzene	<0.08	0.012	n/a
Lead	n/a	n/a	TOX	n/a	n/a	XXXXXXXXX
Mercury	n/a	n/a	Total PAH's	<0.047	<0.039	XXXXXXXXX
Selenium	n/a	n/a	Carc PAH's**	<0.047	<0.039	XXXXXXXXX
Silver	n/a	n/a				
Antimony	n/a	n/a				
Beryllium	n/a	n/a				
Nickel	n/a	n/a				

** Carcinogenic PAH's as Benzo(a)Pyrene

By signing this profile sheet I certify that:

1.) I am the generator of the waste described on this sheet.

2.) This waste is not a regulated hazardous waste as defined by the EPA or by applicable ordinances of SC.

3.) This sheet and its attachments contain true and accurate descriptions of the waste.

4.) Any laboratory data used to support the validity of the data shown on this sheet has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, Test Methods for Evaluating Solid Waste, of exactly the same waste that was delivered to SSR, Inc. for treatment and subsequently treated.

5.) I certify that the laboratory results listing lab name, report date, and sample ID# are attached as support to the data certified on this application.

6.) The Laboratory Name, Address, and Certification Number are provided above in the Waste Constituents section.

Certified Signature Bobby K Perritt Date: 12/4/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

Soil Class:	Class 3
Project #	2012222
Sample #	C37-1 & 2

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571
Waste Approval Code Number

TREATMENT LEVEL VERIFICATION AND END USE NOTIFICATION FORM

TO: DUKE ENERGY PROJECT MANAGER
FROM: SSR LAURENS PLANT OPERATOR
RE: TREATMENT OF SOIL AND ACCEPTABLE END USE

THE FOLLOWING SOIL BATCH WAS TREATED TO THE APPROPRIATE TREATMENT STANDARDS AS REQUIRED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC) BUREAU OF LAND AND WASTE MANAGEMENT (BLWM) SOLID WASTE PERMIT NUMBER **#302715-8001**. THE ACCEPTABLE END USE OF THE SOILS IS AS INDICATED BELOW:

WASTE BATCH NUMBER (C3-project number-Cxxxxxx)	C3-2001222-C37
SAMPLE NUMBER FOR TREATMENT VERIFICATION	C3-2001222-C37-1 & 2
TREATMENT RESULTS (PASS/FAIL)	PASS
APPROXIMATE TONNAGE	1000
END USE APPROVED BASED ON ANALYTICAL RESULTS	UNRESTRICTED

Certified Signature Bobby K. Perritt Date: 12/4/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

December 03,2002

Date Received : November 27, 2002
Description : SSR - Laurens

ESC Sample # : L97221-03

Site ID :

Sample ID : C37-1

Project # : 20628

Collected By :
Collection Date : 11/26/02 11:00

Parameter	Dry Result	Det Limit	Units	Method	Date	Dil.
Total Solids	69.6		%	2540G	11/29/02	1
Benzene	BDL	0.080	mg/kg	8260B	12/03/02	55.5
Toluene	BDL	0.40	mg/kg	8260B	12/03/02	55.5
Ethylbenzene	BDL	0.080	mg/kg	8260B	12/03/02	55.5
Total Xylenes	BDL	0.24	mg/kg	8260B	12/03/02	55.5
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	12/03/02	55.5
Dibromofluoromethane	110		% Rec	8260B	12/03/02	55.5
4-Bromofluorobenzene	120		% Rec.	8260B	12/03/02	55.5
Base/Neutral Extractables						
Acenaphthene	BDL	0.047	mg/kg	8270C	12/02/02	1
Acenaphthylene	BDL	0.047	mg/kg	8270C	12/02/02	1
Anthracene	BDL	0.047	mg/kg	8270C	12/02/02	1
Benzo(a)anthracene	BDL	0.047	mg/kg	8270C	12/02/02	1
Benzo(b)fluoranthene	BDL	0.047	mg/kg	8270C	12/02/02	1
Benzo(k)fluoranthene	BDL	0.047	mg/kg	8270C	12/02/02	1
Benzo(g,h,i)perylene	BDL	0.047	mg/kg	8270C	12/02/02	1
Benzo(a)pyrene	BDL	0.047	mg/kg	8270C	12/02/02	1
Chrysene	BDL	0.047	mg/kg	8270C	12/02/02	1
Dibenz(a,h)anthracene	BDL	0.047	mg/kg	8270C	12/02/02	1
Fluoranthene	BDL	0.047	mg/kg	8270C	12/02/02	1
Fluorene	BDL	0.047	mg/kg	8270C	12/02/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.047	mg/kg	8270C	12/02/02	1
Naphthalene	BDL	0.047	mg/kg	8270C	12/02/02	1
Phenanthrene	BDL	0.047	mg/kg	8270C	12/02/02	1
Pyrene	BDL	0.047	mg/kg	8270C	12/02/02	1
Acid Extractables						
Nitrobenzene-d5	71		% Rec.	8270C	12/02/02	1
2-fluorobiphenyl	82.		% Rec.	8270C	12/02/02	1
p-terphenyl-d14	79.		% Rec	8270C	12/02/02	1

Terrie Fudge ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:
This report shall not be reproduced, except in full, without the written approval from ESC.
The reported analytical results relate only to the sample submitted
L97221-03 (VB260BTEX) - No more stir bars left to run

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I D 62-0814289

Est 1970

REPORT OF ANALYSIS

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

December 03, 2002

Date Received : November 27, 2002
Description : SSR - Laurens

ESC Sample # : L97221-04

Site ID :

Sample ID : C37-2

Project # : 20620

Collected By : Steve Clontz
Collection Date : 11/26/02 11:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil
Total Solids	84.7		%	2540G	11/29/02	1
Benzene	0.012	0.0012	mg/kg	8260B	12/02/02	1.02
Toluene	BDL	0.0060	mg/kg	8260B	12/02/02	1.02
Ethylbenzene	BDL	0.0012	mg/kg	8260B	12/02/02	1.02
Total Xylenes	BDL	0.0036	mg/kg	8260B	12/02/02	1.02
Surrogate Recovery						
Toluene-d8	92.		% Rec.	8260B	12/02/02	1.02
Dibromofluoromethane	110		% Rec.	8260B	12/02/02	1.02
4-Bromofluorobenzene	31.		% Rec.	8260B	12/02/02	1.02
Base/Neutral Extractables						
Acenaphthene	BDL	0.039	mg/kg	8270C	12/02/02	1
Acenaphthylene	BDL	0.039	mg/kg	8270C	12/02/02	1
Anthracene	BDL	0.039	mg/kg	8270C	12/02/02	1
Benzo(a)anthracene	BDL	0.039	mg/kg	8270C	12/02/02	1
Benzo(b)fluoranthene	BDL	0.039	mg/kg	8270C	12/02/02	1
Benzo(k)fluoranthene	BDL	0.039	mg/kg	8270C	12/02/02	1
Benzo(g,h,i)perylene	BDL	0.039	mg/kg	8270C	12/02/02	1
Benzo(a)pyrene	BDL	0.039	mg/kg	8270C	12/02/02	1
Chrysene	BDL	0.039	mg/kg	8270C	12/02/02	1
Dibenz(a,h)anthracene	BDL	0.039	mg/kg	8270C	12/02/02	1
Fluoranthene	BDL	0.039	mg/kg	8270C	12/02/02	1
Fluorene	BDL	0.039	mg/kg	8270C	12/02/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.039	mg/kg	8270C	12/02/02	1
Naphthalene	BDL	0.039	mg/kg	8270C	12/02/02	1
Phenanthrene	BDL	0.039	mg/kg	8270C	12/02/02	1
Pyrene	BDL	0.039	mg/kg	8270C	12/02/02	1
Acid Extractables						
Nitrobenzene-d5	72.		% Rec.	8270C	12/02/02	1
2-Fluorobiphenyl	83.		% Rec.	8270C	12/02/02	1
p-Terphenyl-d14	83.		% Rec.	8270C	12/02/02	1

Terrie Fudge, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461.01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L97221-01	4-Bromofluorobenzene	J2
	Benzo(g,h,i)perylene	J4J3
	Dibenz(a,h)anthracene	J3
	Fluoranthene	J3
	Indeno(1,2,3-cd)pyrene	J4J3
L97221-02	Dibromofluoromethane	J1
	4-Bromofluorobenzene	J2
	Benzo(g,h,i)perylene	J4J3
	Dibenz(a,h)anthracene	J3
	Fluoranthene	J3
	Indeno(1,2,3-cd)pyrene	J4J3
L97221-03	Benzene	0
	Toluene	0
	Ethylbenzene	0
	Total Xylenes	0
	Benzo(g,h,i)perylene	J4J3
	Dibenz(a,h)anthracene	J3
	Fluoranthene	J3
	Indeno(1,2,3-cd)pyrene	J4J3
L97221-04	4-Bromofluorobenzene	J2
	Benzo(g,h,i)perylene	J4
	Indeno(1,2,3-cd)pyrene	J4J5

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits
J3	The associated batch QC was outside the established quality control range for precision
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is unacceptably high
O	(ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary dilution.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

	Control Limits				
2-Fluorophenol	31-119	Nitrobenzene-d5	43-118	Dibromfluoromethane	72-125
Phenol-d5	12-134	2-Fluorobiphenyl	45-128	Toluene-d8	79-120
2,4,6-Tribromophenol	51-141	Terphenyl-d14	43-137	4-Bromofluorobenzene	66-131

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

C39-A & B

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571
Waste Approval Code Number

Soil Class: Class 3
Project # 2012222
Sample # C39-A & B

NON-HAZARDOUS WASTE PROFILE SHEET

GENERATOR INFORMATION

Generator Name:	DUKE ENERGY		
Phone:	704-373-7898	Contact/Title:	MARK MCGARY, MANAGER
Address:	6615 CRAIG STREET; CHARLOTTE, NC 28214		
Total estimated tons:	1000	Type and Number of containers:	N/A

AGENT FOR GENERATOR INFORMATION (if applicable)

Agent for Generator:	ENERGY DELIVERY SERVICES, INC.		
Phone:	704-373-7898	Contact/Title:	MARK MCGARY, MANAGER
Address:	6615 CRAIG STREET; CHARLOTTE, NC 28214		
Total estimated tons:	1000	Type and Number of containers:	N/A
Waste Description:	SOILS FROM MANUFACTURED GAS PLANT SITE		
Process of Waste Generation:	STANDARD OPERATIONS OF MGP SITE		
Waste Constituents:			
Laboratory Name	ENVIRONMENTAL SCIENCE CORPORATION		
Laboratory Address	12065 LEBANON ROAD; MT JULIET, TN 37122		
Laboratory Certification No.	84004		
Laboratory Sample No.	L97425-01	L97425-02	

	Total (ppm)*	TCLP (ppm) as requested		Total (ppm) L97425-01	Total (ppm) L97425-02	TCLP (ppm) as requested
Arsenic	n/a	n/a	PCB	n/a	n/a	XXXXXXXXX
Barium	n/a	n/a	TPH	n/a	n/a	XXXXXXXXX
Cadmium	n/a	n/a	BTEX	0.011	0.0036	XXXXXXXXX
Chromium	n/a	n/a	Benzene	0.011	0.0036	n/a
Lead	n/a	n/a	TOX	n/a	n/a	XXXXXXXXX
Mercury	n/a	n/a	Total PAH's	1.039	0.842	XXXXXXXXX
Selenium	n/a	n/a	Carc PAH's**	0.042	<0.040	XXXXXXXXX
Silver	n/a	n/a				
Antimony	n/a	n/a				
Berylium	n/a	n/a				
Nickel	n/a	n/a				

** Carcinogenic PAH's as Benzo(a)Pyrene

By signing this profile sheet I certify that:

1.) I am the generator of the waste described on this sheet.

2.) This waste is not a regulated hazardous waste as defined by the EPA or by applicable ordinances of SC.

3.) This sheet and its attachments contain true and accurate descriptions of the waste.

4.) Any laboratory data used to support the validity of the data shown on this sheet has been obtained from the analysis of a volumetrically representative sample, obtained and analyzed according to 40 CFR 261, EPA Document SW-846, Test Methods for Evaluating Solid Waste, of exactly the same waste that was delivered to SSR, Inc. for treatment and subsequently treated.

5.) I certify that the laboratory results listing lab name, report date, and sample ID# are attached as support to the data certified on this application.

6.) The Laboratory Name, Address, and Certification Number are provided above in the Waste Constituents section.

Certified Signature: Bobby K Perritt Date: 12/9/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

SOUTHEASTERN SOIL RECOVERY, INC.
Shipping Address: 1929 Patterson Plant Road Lanford, SC 29571
Waste Approval Code Number

Soil Class: Class 3
Project # 2012222
Sample # C39-A & B

TREATMENT LEVEL VERIFICATION AND END USE NOTIFICATION FORM

TO: DUKE ENERGY PROJECT MANAGER
FROM: SSR LAURENS PLANT OPERATOR
RE: TREATMENT OF SOIL AND ACCEPTABLE END USE

THE FOLLOWING SOIL BATCH WAS TREATED TO THE APPROPRIATE TREATMENT STANDARDS AS REQUIRED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC) BUREAU OF LAND AND WASTE MANAGEMENT (BLWM) SOLID WASTE PERMIT NUMBER #302715-8001. THE ACCEPTABLE END USE OF THE SOILS IS AS INDICATED BELOW:

WASTE BATCH NUMBER (C3-project number-Cxxxxxx)	C3-2001222-C39
SAMPLE NUMBER FOR TREATMENT VERIFICATION	C3-2001222-C39-A & B
TREATMENT RESULTS (PASS/FAIL)	PASS
APPROXIMATE TONNAGE	1000
END USE APPROVED BASED ON ANALYTICAL RESULTS	UNRESTRICTED

Certified Signature Bobby K. Perritt Date: 12/09/02

Print Name, Title & Employer: BOBBY PERRITT, VICE-PRESIDENT, SSR, INC

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

December 05,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

ESC Sample # : L97425-01

Site ID :

Project # : 20628

Date Received : December 03, 2002
Description : Soil - SSR - Laurens

Sample ID : C39-A

Collected By : David Robinson
Collection Date : 11/26/02 17:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	89.3		%	2540G	12/03/02	1
Benzene	0.011	0.0012	mg/kg	8260B	12/03/02	1.09
Toluene	0.0065	0.0061	mg/kg	8260B	12/03/02	1.09
Ethylbenzene	0.0016	0.0012	mg/kg	8260B	12/03/02	1.09
Total Xylenes	0.0068	0.0037	mg/kg	8260B	12/03/02	1.09
Surrogate Recovery						
Toluene-d8	97.		% Rec.	8260B	12/03/02	1.09
Dibromofluoromethane	100		% Rec.	8260B	12/03/02	1.09
4-Bromofluorobenzene	94.		% Rec.	8260B	12/03/02	1.09
Polynuclear Aromatic Hydrocarbons						
Anthracene	0.048	0.037	mg/kg	8270C	12/04/02	1
Acenaphthene	BDL	0.037	mg/kg	8270C	12/04/02	1
Acenaphthylene	BDL	0.037	mg/kg	8270C	12/04/02	1
Benzo(a)anthracene	0.061	0.037	mg/kg	8270C	12/04/02	1
Benzo(a)pyrene	0.042	0.037	mg/kg	8270C	12/04/02	1
Benzo(b)fluoranthene	0.084	0.037	mg/kg	8270C	12/04/02	1
Benzo(g,h,i)perylene	BDL	0.037	mg/kg	8270C	12/04/02	1
Benzo(k)fluoranthene	BDL	0.037	mg/kg	8270C	12/04/02	1
Chrysene	0.076	0.037	mg/kg	8270C	12/04/02	1
Dibenz(a,h)anthracene	BDL	0.037	mg/kg	8270C	12/04/02	1
Fluoranthene	0.17	0.037	mg/kg	8270C	12/04/02	1
Fluorene	BDL	0.037	mg/kg	8270C	12/04/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.037	mg/kg	8270C	12/04/02	1
Naphthalene	0.098	0.037	mg/kg	8270C	12/04/02	1
Phenanthrene	0.33	0.037	mg/kg	8270C	12/04/02	1
Pyrene	0.13	0.037	mg/kg	8270C	12/04/02	1
Surrogate Recovery						
Nitrobenzene-d5	120		% Rec.	8270C	12/04/02	1
2-Fluorobiphenyl	97.		% Rec.	8270C	12/04/02	1
p-Terphenyl-d14	140		% Rec.	8270C	12/04/02	1

Terrie Fudge, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461.01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01 KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

December 05,2002

Mr. Jason Terry
Terry Environmental Services
P.O. Box 41784
Charleston, SC 29423

Date Received : December 03, 2002
Description : Soil - SSR - Laurens

Sample ID : C39-B

Collected By : David Robinson
Collection Date : 11/27/02 05:30

ESC Sample # : L97425-02

Site ID :

Project # : 20628

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	83.2		%	2540G	12/03/02	1
Benzene	0.0036	0.0012	mg/kg	8260B	12/03/02	1
Toluene	BDL	0.0060	mg/kg	8260B	12/03/02	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	12/03/02	1
Total Xylenes	BDL	0.0036	mg/kg	8260B	12/03/02	1
Surrogate Recovery						
Toluene-d8	99.		% Rec.	8260B	12/03/02	1
Dibromofluoromethane	100		% Rec.	8260B	12/03/02	1
4-Bromofluorobenzene	110		% Rec.	8260B	12/03/02	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	0.041	0.040	mg/kg	8270C	12/04/02	1
Acenaphthene	BDL	0.040	mg/kg	8270C	12/04/02	1
Acenaphthylene	BDL	0.040	mg/kg	8270C	12/04/02	1
Benzo(a)anthracene	0.056	0.040	mg/kg	8270C	12/04/02	1
Benzo(a)pyrene	BDL	0.040	mg/kg	8270C	12/04/02	1
Benzo(b)fluoranthene	0.076	0.040	mg/kg	8270C	12/04/02	1
Benzo(g,h,i)perylene	BDL	0.040	mg/kg	8270C	12/04/02	1
Benzo(k)fluoranthene	BDL	0.040	mg/kg	8270C	12/04/02	1
Chrysene	0.067	0.040	mg/kg	8270C	12/04/02	1
Dibenz(a,h)anthracene	BDL	0.040	mg/kg	8270C	12/04/02	1
Fluoranthene	0.15	0.040	mg/kg	8270C	12/04/02	1
Fluorene	BDL	0.040	mg/kg	8270C	12/04/02	1
Indeno(1,2,3-cd)pyrene	BDL	0.040	mg/kg	8270C	12/04/02	1
Naphthalene	0.082	0.040	mg/kg	8270C	12/04/02	1
Phenanthrene	0.26	0.040	mg/kg	8270C	12/04/02	1
Pyrene	0.11	0.040	mg/kg	8270C	12/04/02	1
Surrogate Recovery						
Nitrobenzene-d5	120		% Rec.	8270C	12/04/02	1
2-Fluorobiphenyl	96.		% Rec.	8270C	12/04/02	1
p-Terphenyl-d14	130		% Rec.	8270C	12/04/02	1

Terrie Fudge ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L97425-01	p-Terphenyl-d14	J1

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

	Control Limits				
2-Fluorophenol	31-119	Nitrobenzene-d5	43-118	Dibromfluoromethane	72-125
Phenol-d5	12-134	2-Fluorobiphenyl	45-128	Toluene-d8	79-120
2,4,6-Tribromophenol	51-141	Terphenyl-d14	43-137	4-Bromofluorobenzene	66-131

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.