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**REPORT  
PHASE I SOIL CHARACTERIZATION  
RED PANTHER SITE  
CLARKSDALE, MISSISSIPPI**

*Prepared For:*  
**Red Panther PRP Group**

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**March 18, 2003**

  
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## Table Of Contents

<b>EXECUTIVE SUMMARY .....</b>	<b>1</b>
<b>1.0 Introduction.....</b>	<b>1</b>
1.1 Background Information.....	1
<b>2.0 Phase I Soil Characterization .....</b>	<b>4</b>
2.1 Purpose.....	4
2.2 Soil Characterization Activities .....	4
2.3 Area B Soil Characterization .....	4
2.3.1 Surface and Subsurface Soil Characterization.....	5
2.3.2 Additional Items Investigated in Area B .....	7
2.4 Area C Soil Characterization .....	7
2.5 Area D Soil Characterization.....	8
2.5.1 Surface and Subsurface Sampling .....	8
2.5.2 Additional Items Investigated.....	9
2.6 Investigative Derived Waste.....	9
2.7 Quality Assurance Quality Control.....	10

### **TABLES**

Table 1	Area B Soil Sample Analytical Data
Table 2	Area C Soil Sample Analytical Data
Table 3	Area D Soil Sample Analytical Data
Table 4	QA/QC Analytical Data

## FIGURES

- Figure 1 Site Location Map
- Figure 2 Site Diagram
- Figure 3 Area B Sample Locations
- Figure 4 Area B Surface Soil Composite COC Analytical Data
- Figure 5 Area B 0-2' DPT Soil Sample COC Analytical Data
- Figure 6 Area B 2-6' DPT Soil Sample COC Analytical Data
- Figure 7 Area B 6-10' DPT Soil Sample COC Analytical Data
- Figure 8 Area B Surface Aliquot Arsenic Analytical Data
- Figure 9 Area C Sample Locations
- Figure 10 Area C DPT Soil Sample COC Analytical Data
- Figure 11 Area D Sample Locations
- Figure 12 Area D Surface Soil Composite COC Analytical Data
- Figure 13 Area D 0-2' DPT Soil Sample COC Analytical Data
- Figure 14 Area D 2-6' DPT Soil Sample COC Analytical Data
- Figure 15 Area D 6-10' DPT Soil Sample COC Analytical Data
- Figure 16 Area D Surface Aliquot Arsenic Analytical Data

## APPENDICES

- Appendix A Area B Soil Boring Logs
- Appendix B Chain-of-Custodies
- Appendix C Area B Soil Sample Analytical Data
- Appendix D Area C Soil Sample Analytical Data
- Appendix E Area C Soil Boring Logs
- Appendix F Area D Soil Sample Analytical Data
- Appendix G Area D Soil Boring Logs
- Appendix H QA/QC Analytical Data

## List of Acronyms

AOC	Administrative Order on Consent
AST	Aboveground Storage Tank
BLS	Below Land Surface
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COCs	Constituents of Concern
DOT	Department of Transportation
EPA	Environmental Protection Agency
mg/L	Milligrams Per Liter
mg/kg	Milligrams Per Kilogram
PID	Photoionization Detector
PRPs	Potentially Responsible Parties
QA/QC	Quality Assurance and Quality Control
QAPP	Quality Assurance Project Plan
MBPC	Mississippi Bureau of Pollution Control
RCRA	Resource Conservation and Recovery Act
SAP	Sampling and Analysis Plan
SSHP	Site Safety and Health Plan
START	Superfund Technical Assessment and Response Team

## EXECUTIVE SUMMARY

This report presents the results of the Phase I Removal Action/Site Characterization conducted in November and December of 2002 at the Red Panther Superfund Site in Clarksdale, Mississippi. The Removal Action was conducted pursuant to the Administrative Order on Consent (AOC) for Removal Action, Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Docket No. CER-04-2001-3776 between the Environmental Protection Agency (EPA) Region IV and a group comprised of a number of parties identified by EPA as Performing Potentially Responsible Parties (Performing PRPs). The AOC required the remediation at the Red Panther Site be conducted in two phases. Phase I consists of the following four components:

- Excavation of surface soils from drainage ditches between the Red Panther property boundaries and Route 49 and the disposal or temporary stockpiling of the excavated material,
- Characterization of onsite soils and the remaining ditch soils,
- Design of Phase II removal activities, and
- Preparation of a Phase II Work Plan detailing additional removal tasks necessary to complete the requirements of the AOC.

The scope of work for the Phase I Soil Characterization was to identify surface and subsurface soils that may require further action based on comparison to the performance standards established in the Phase I Work Plan. The performance standards for the surface soil constituents of concern (COCs) are: arsenic [23 milligrams per kilogram (mg/kg)], dieldrin (3 mg/kg), toxaphene (39 mg/kg), and total chlorinated pesticides (100 mg/kg). The performance standards for the subsurface soil COCs are: arsenic (270 mg/kg), dieldrin (15 mg/kg), and toxaphene (220 mg/kg). The objective of the soil characterization was to collect sufficient surface composite and subsurface point samples from Areas B, C, and D of the facility. The Soil Characterization activities were performed from December 2, 2002 to December 19, 2002. The Soil Characterization activities were performed in accordance with the Phase I Removal Action Work Plan, including the Sampling and Analysis Plan (SAP), Quality Assurance Project Plan (QAPP), and Site Safety and Health Plan (SSHP).

For sampling purposes, the site was divided into three areas B, C, D. Area B is located on the north end of the site and Area C is located along the railroad tracks. Area D is located on the southern end of the site. The surface soils [0-2 ft. below land surface (bls)] were sampled using composite samples. The composite surface sample in each grid consisted of 5 aliquots collected from the points S1 through S5. Each aliquot was also sampled individually in the event that the analytical data from the composite sample indicated the individual aliquots needed to be

analyzed. The subsurface soils were investigated using point samples obtained from the installation of DPT borings. Specifically, two DPT borings were installed in each grid and samples were collected from the 0-2 ft., 2-6 ft., and 6-10 ft. bls intervals.

The surface soil samples were submitted to Test America Inc. in Nashville, Tennessee for analytical testing of the surface soil constituents of concerns (COCs): arsenic by EPA Method 6010, and dieldrin, toxaphene, and total chlorinated pesticides by EPA Method 8081A. The subsurface soil samples were analyzed for the subsurface COCs (arsenic, dieldrin, and toxaphene) utilizing the same test methods as the surface soils.

The surface and subsurface soil analytical results in Area B indicate the soils contain arsenic (Figures 4 through 8). The highest concentrations of arsenic occurred in the grids along the retaining wall at the northern property boundary and in Ditches 5 and 6 (grids BG14, BG 15, BG 16, and BG17). The Area B surface and subsurface soils generally were not impacted with chlorinated pesticides above the performance standards.

Area C consists of the railroad spur on the western side of the site. Five pairs of DPT borings were installed along the railroad spur (Figure 9). Soil samples were collected from the 0-2 ft., 2-6 ft., and 6-10 ft. bls interval in each boring. The analytical data indicates the soils along the railroad spur (DPT's CP1-N and CP1-S) adjacent to the Tank Farm contain arsenic (Figure 10). Dieldrin and toxaphene were detected further to the south along the railroad spur at DPT CP3. Generally, low concentrations of arsenic and pesticides were detected in the DPT borings CP4-N and S and CP5-N and S on the southern end of the spur.

Area D is located on the southern side of the site. Area D was divided into 11 grids for sampling the surface and subsurface soils in accordance with the Phase I Work Plan (Figure 11). The surface soil analytical results indicate the surface soils contain pesticides (Figure 12). The arsenic concentrations detected in the surface soils in Area D are significantly lower those detected in Area B and C. The DPT analytical results indicates pesticides occur mainly in the surficial soil interval (0-2') and decrease significantly in concentration in the 2-6' and 6-10' intervals.

An area of buried debris was discovered in Area D during the soil characterization activities. The buried debris appeared to be centered at the intersection of grids DG7, DG8, DG9, and DG6. The debris included burnt wood, bricks, partial fiber drums, and drum rings. The pit measured approximately 50 feet wide by 50 feet long, and was about 2 to 3.5 feet deep.

## 1.0 INTRODUCTION

This report presents the results of the Phase I Soil Characterization conducted in December of 2002 at the Red Panther Superfund Site in Clarksdale, Mississippi. The Soil Characterization was conducted pursuant to the Administrative Order on Consent (AOC) for Removal Action, Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Docket No. CER-04-2001-3776 between the Environmental Protection Agency (EPA) Region IV and the Red Panther Potentially Responsible Parties (PRP). The AOC required the remediation at the Red Panther Site be conducted in two phases. Phase I consists of the following four components:

- Excavation of surface soils from drainage ditches between the Red Panther property boundaries and Route 49 and the disposal or temporary stockpiling of the excavated material,
- Characterization of onsite soils and the remaining ditch soils,
- Design of Phase II removal activities, and
- Preparation of a Phase II Work Plan detailing additional removal tasks necessary to complete the requirements of the AOC.

This report presents the results of the onsite soil characterization.

### 1.1 Background Information

The Red Panther Superfund site is located in Clarksdale, Coahoma County, Mississippi (Figure 1). The site occupies approximately 6.5 acres off Normandy Avenue and Patton Street, on the south side of the city of Clarksdale. The facility is bordered on the west by East Tallahatchie Avenue, to the south by Springer International, to the north by Graeber Brothers, and to the east by Normandy Avenue. Presently, Coahoma Inc. still uses a portion of the facility as a warehouse.

The Red Panther Chemical facility began operations in 1949 as a pesticide production plant. The plant formulated liquid and powdered herbicides, insecticides, and fungicides, including toxaphene, aldrin, arsenic, and DDT. The facility reportedly did not manufacture any active ingredients, but only received technical materials from basic manufacturers. Previous owners of the facility include Coahoma Chemical Company, Riverside Chemical Company, and MFC Services.

The Red Panther facility filed a Resource Conservation and Recovery Act (RCRA) hazardous waste management activity notification and Part A application in 1980 for storage of wastewater and spent or used solvents in drums and tanks onsite. Wastewater and solvents containing



pesticide and solvent residues were generated from the cleaning of equipment. The Mississippi Bureau of Pollution Control (MBPC) completed a site inspection in 1984 (Potential Hazardous Waste Site Report, Clifford D. Porterfield) concluding that the sediment and soil samples contained detectable levels of chlorinated pesticides and arsenic. In November 1985, the facility obtained a RCRA Part B permit from MBPC to store wastewater and spent solvents. At some point prior to obtaining RCRA interim status, and/or permit status, wastewater was discharged either directly to an offsite ditch or into an underground septic tank and drain field on the facility property.

In 1999, the EPA Superfund Technical Assessment and Response Team (START) conducted surface and subsurface sampling at the site. The sampling effort focused on the drainage ditches (Area A), the former onsite septic tank and drain field (Area B), and the railroad spur located behind the facility at the loading dock area (Area C) (Figure 2). Based on the results of the sampling, EPA concluded the site had been impacted by arsenic and organochlorine pesticides and their degradation products including toxaphene, 4,4'-DDT, chlordane, aldrin, dieldrin, endrin, and endosulfan II. Contamination was also found offsite in six drainage ditches.

The AOC between EPA Region IV and the Performing PRPs was finalized in September 2001. The AOC contained the four components, described in the introduction, established the performance standards for the surface and subsurface soils, and provided a schedule for performing the Phase I Removal Action. The constituents of concern (COCs) for the Red Panther site include arsenic, toxaphene, dieldrin, and total chlorinated pesticides (for surface soils only).

In 2001, the PRPs retained Newfields and URS to prepare a Phase I Removal Action Work Plan, including a Sampling and Analysis Plan (SAP), Quality Assurance Project Plan (QAPP), Site Safety and Health Plan (SSHP), and to ascertain acceptable surface and subsurface soil performance standards prior to conducting the Phase I Removal Action at the facility. The Phase I Work Plan was submitted to EPA Region IV on May 24, 2002 and was subsequently approved.

Ditch soil characterization work was performed in June 2002 in accordance with the work plan. Soil samples were collected from six drainage ditches that border or are directly affected by runoff drainage from the site. Composite soil samples were collected from the 0-1 and 1-2 foot interval below the land surface (bls) and analyzed for total chlorinated pesticides and arsenic. In August 2002, a technical memo was prepared and submitted to EPA Region IV requesting several modifications to the Phase I Work Plan based on the results of the ditch characterization sampling. Specifically, the modifications involved addressing Ditches 5 and 6 under the Phase II Work Plan instead of Phase I, installing a security fence around Ditches 5 and 6 to prevent public access, and establishing eight soil sampling grids in ditches 5 and 6. EPA Region IV approved

the modifications as part of the original work plan. A revised schedule was submitted to EPA in October 2002, based on the results of the ditch characterization sampling to extend the due date of the Site Soil Characterization report. EPA Region IV approved this request on October 30, 2002.

The Phase I Removal Action was performed in November and December of 2002. During the Removal Action approximately 825 tons of soil was removed from the offsite Ditches 1, 2, 3, and 4. The excavated soils were disposed offsite as a nonhazardous waste at the Waste Management Robinson (Tunica) Subtitle D landfill. After the soils were removed, confirmation soil sampling was performed to determine if the ditches met the subsurface soil performance standards. Based on the confirmation analytical data, Ditches 3 and 4 met the subsurface soil performance standards and were subsequently backfilled. All of the samples from Ditch 1 and a portion of Ditch 2 still exceeded the subsurface soil standards for toxaphene and dieldrin. These ditches were also backfilled, and the soils exceeding the performance standards will be addressed in the Phase II Work Plan.

In December 2002, URS and Newfields performed the soil characterization, which consisted of sampling the surface and subsurface soils and analyzing the samples for the site constituents of concern (COCs). This report presents the results of the soil characterization activities.

## **2.0 PHASE I SOIL CHARACTERIZATION**

### **2.1 Purpose**

The scope of work for the Phase I Soil Characterization was to collect soil samples, perform analytical testing, and report the results in accordance with the procedures established in the Phase I Work Plan. The objective of the soil characterization was to collect sufficient surface composite and subsurface point samples from Areas B, C, and D of the facility and to locate the sampling points using a Cartesian coordinate grid system.

### **2.2 Soil Characterization Activities**

The Soil Characterization activities were performed from December 2, 2002 to December 19, 2002. The Soil Characterization activities were performed in accordance with the Phase I Removal Action Work Plan including the Sampling and Analysis Plan (SAP), Quality Assurance Project Plan (QAPP), Site Safety and Health Plan (SSHP). QA/QC samples consisting of matrix spike, matrix spike duplicates, duplicates, and equipment blanks were collected throughout the sampling event in accordance with the QAPP. The laboratory data was reported and validated using Level III Data Quality Objectives. All sampling equipment and DPT equipment was decontaminated in accordance with the procedures outlined in the SAP and QAPP. The investigative derived waste generated during the investigation was containerize and stored onsite, pending disposal during Phase II.

Prior to the start of the characterization activities, W.L. Burle Engineers, Inc. in Greenville, Mississippi, a registered surveyor in the sate of Mississippi, surveyed the corners of each grid in Areas B and D and the locations of the DPTs in Area C. After the grids were surveyed, URS and Newfields marked the surface sample aliquot points and the direct push technology (DPT) locations in each grid. Then, the utilities were located and marked. URS retained W.L Burle Engineers Inc. to install the soil borings utilizing DPT. Newfields provided URS with consulting services during the characterization activities, as required. Region IV EPA's contractor, Roy F. Weston, provided oversight services for EPA during the characterization activities.

### **2.3 Area B Soil Characterization**

This section presents the results of the Area B soil sampling and several additional items investigated. Area B is located on the northern side of the site. Area B (including the offsite Ditches 5 and 6) was divided into 20 grids for sampling the surface soil and subsurface soils in accordance with the Phase I Work Plan (Figure 3). Several of the grids, BG13, BG14, and

BG15, which are situated in Ditch 6, are located along the northern boundary on the adjacent property owned by Graeber Brothers.

### 2.3.1 Surface and Subsurface Soil Characterization

The surface soils [0-2 ft. below land surface (bls)] were sampled using composite samples. The composite surface sample in each grid consisted of 5 aliquots collected from the points S1 through S5 (Figure 3). Each aliquot was also sampled individually in the event the analytical data from the composite sample indicated that the individual aliquots needed to be analyzed. The subsurface soils were investigated using point samples obtained from the installation of DPT borings. Specifically, two DPT borings were installed in each grid and samples were collected from the 0-2 ft., 2-6 ft., and 6-10 ft. bls intervals. In several of the DPT borings, the sample intervals were modified based on conditions (i.e. poor recovery, visual observance of apparent waste material, etc.) encountered during installation. The sample interval excluded material that visually appeared to consist of waste. The modified intervals are noted on the analytical tables and figures. Figure 3 shows the location of the five surface aliquots S1 through S5 and the two DPT borings in each grid. At each grid, the DPT locations were labeled using a standardized reference system. As an example, the DPTs were labeled BG1E for the DPT installed in eastern portion of grid BG1 or BG1W for the DPT installed in the western portion of the grid.

The DPT borings were logged by a URS Engineer. The soils were classified according to the Unified Soil Classification System. The soils in Area B were covered with approximately 6" to 1-foot of gravel (#57 stone). The gravel was underlain by a yellowish red hard packed sand and river gravel. Native soils were interpreted to start below the gravel and hard packed sand and gravel, which was considered fill. A backhoe was utilized to excavate through the hard packed sand and gravel layer to access the soils at surface sample locations S1 through S5. Two grids (BG1 and BG4) were fully covered with the Aboveground Storage Tank (AST) farm concrete containment pad and several grids (BG5, BG8, BG9, and BG10) were partially covered with other concrete structures. The underlying soils in these grids were accessed by coring a 4 inch diameter hole through the concrete.

The soils encountered in Area B consisted of dark gray clayey silts and dark gray soft clays. A perched water zone was encountered in the grids along the drainage ditches in Area B. The depth to the perched water ranged from 5 ft. bls in grid BG3 to 7 ft. bls in grid BG7. During installation of the DPTs, strong odors and apparent waste material (white powder or waxy substance) were noted in some of the borings. This information was recorded on the boring logs when detected. Copies of the Area B boring logs are included in Appendix A.

The surface and subsurface samples were collected and handled using standard sampling protocol procedures as outlined in the SAP and QAPP. The samples were collected with

stainless steel equipment, which was decontaminated between samples. The surface composite sample was formed after obtaining an individual sample from each aliquot and then blending the remaining portion of the aliquots together. The surface composite sample was designated for initial analysis. The individual aliquots were designated for extraction only if determined appropriate after the results of the composites were received and reviewed. The surface soil samples were submitted to Test America Inc. in Nashville, Tennessee for analytical testing of the surface soil COCs arsenic by EPA Method 6010, and dieldrin, toxaphene, and total chlorinated pesticides by EPA Method 8081A. The subsurface soil samples were analyzed for the subsurface COCs (arsenic, dieldrin, and toxaphene) utilizing the same test methods as the surface soils.

The analytical results of the surface and subsurface soil samples are presented on Table 1. A copy of the chain-of-custodies are provided in Appendix B and the analytical data summaries are provided in Appendix C. The analytical results for the surface soil composite samples are shown on Figure 4. The surface soil analytical results indicate the surface soils contain arsenic. The highest concentrations of arsenic occurred in the grids located along the retaining wall at the northern property boundary and in Ditches 5 and 6 (grids BG14, BG 15, BG 16, and BG17). Generally, the Area B surface soils were not impacted by chlorinated pesticides above the performance standards.

Figures 5, 6, and 7 present the analytical data for the DPT boring intervals 0-2 ft., 2-6 ft., and 6-10 ft. The analytical results are presented on Table 1. A copy of the chain-of-custodies are provided in Appendix B and the analytical data summaries are included in Appendix C. The subsurface analytical results are similar to the surface soil composite data. The elevated concentrations of arsenic tend to decrease with increasing depth, as would be expected.

After the initial data was received, it was reviewed by Newfields to assess if any of the surface aliquots should be analyzed in accordance with the Work Plan. Based upon this review of the data, all five surface aliquots (S1 through S5) in grids BG1, BG2, BG3, BG4, BG5, BG6, BG7, and BG8 were analyzed for arsenic. In addition, the aliquots BG13 S2 and S5, BG14 S2 and S5, and BG15 S2 and S5 were also analyzed for arsenic content to determine if these samples exceeded the surface soil performance standard for arsenic, and to aid the horizontal delineations of arsenic impacted soils along the northern edge of grids BG13, BG14, and BG15. The aliquot sample results were similar to the surface composite results. The analytical results for these samples are also presented on Table 1 and a copy of the analytical data is presented in Appendix C. Figure 8 presents the surface sample aliquot analytical results.

### 2.3.2 Additional Items Investigated in Area B

A series of borings (PDB-1 through PDB-7) were installed along the northern edge of Ditches 5 and 6 to visually evaluate the extent of the apparent waste material in the subsurface in this area. The location of the 7 borings is shown on Figure 3. A waxy resinous material and white powder was encountered at a depth of 18 inches to 24 inches bls in several of the aliquots collected from the centerline of Ditch 5 (Grid 15) during the ditch characterization sampling in June 2002. The extent of the visual material in this portion of the ditch was unknown. The borings were installed with the DPT rig and sampled continuously from ground surface to 4 feet bls and inspected visually. No visual waste material was detected in the DPT borings. Based on the inspection of the soils encountered in the soil borings, the lateral extent of the apparent waste material in the subsurface of Ditch 5 is limited to a small area, with the northern extent defined by the PDB DPTs. The southern extent was defined by the DPTs installed in grids BG2 and BG3. A copy of the soil boring logs is included in Appendix A.

The long concrete rectangular structure located in grids BG9 and BG10 was reportedly associated with a former septic drain field. This structure was investigated during the soil characterization activities. First the gravel cover was removed from the top of the concrete structure to inspect it. The structure appeared to be a concrete vault with a concrete lid on it. The lid did not have an access port or manway, therefore a 3-inch diameter hole was cored through the lid to access the inside of the vault. The vault appeared to be filled with a moist to wet loose clayey soil. A sample of the soil was not collected from the vault for analysis. After the inspection, the core was replaced and sealed. The DPTs installed on the southern (BG8E and BG9E) and northern (BG8W and BG9W) sides of the structure (Figure 3) did not encounter any drain field type soils, such as sand or gravel, which septic drain fields are commonly constructed from. The purpose of this structure is uncertain.

### 2.4 Area C Soil Characterization

Area C consists of the railroad spur on the western side of the site. Five pairs of DPT borings were installed along the railroad spur (Figure 9). Each pair consisted of one DPT boring on the north side (CP1-N) and one on the south side (CP1-S) of the track. Soil samples were collected from the 0-2 ft., 2-6 ft., and 6-10 ft. bls interval in each boring.

The surface soil samples (0-2 ft. interval) were analyzed for the surface soil COCs: arsenic, dieldrin, toxaphene, and total chlorinated pesticides. The subsurface soil samples (2-6 ft. and 6-10 ft.) were analyzed for the subsurface COCs: arsenic, dieldrin, and toxaphene.

The analytical results are presented on Table 2 and a copy of the chain-of-custodies are included in Appendix B and the analytical data summaries are included in Appendix D. The analytical

results for the three DPT intervals 0-2 ft., 2-6 ft., and 6-10 ft. are shown on Figure 10. A copy of the soil boring logs are included in Appendix E.

The analytical data indicates that the soils along the railroad spur (DPTs CP1-N and CP1-S) adjacent to the Tank Farm contains arsenic. Reportedly, arsenic dry products were off-loaded from railroad cars in this area. Total chlorinated pesticides, dieldrin, and toxaphene were detected further to the south along the railroad spur at the location of DPT CP3. Reportedly, the railcar off-loading of liquid pesticides occurred in this area of the spur. The area around CP3 also receives storm water drainage from the roofs of several buildings and along the railroad tracks.

## **2.5 Area D Soil Characterization**

Area D is located on the southern side of the site. Area D was divided into 11 grids for sampling the surface and subsurface soils in accordance with the Phase I Work Plan (Figure 11). This section presents the results of the Area D soil sampling and several additional items investigated.

### **2.5.1 Surface and Subsurface Sampling**

The Area D soil sampling was performed in accordance with the Phase I Work Plan and in the same manner as described in the Area B sampling (Section 2.3.1). The surface soil samples were submitted to Test America Inc. for analytical testing of arsenic, dieldrin, toxaphene, and total chlorinated pesticides. The subsurface soil samples were analyzed for the subsurface COCs arsenic, dieldrin, and toxaphene.

The analytical results are presented on Table 3. A copy of the chain-of-custodies are provided in Appendix B and the analytical data summaries are provided in Appendix F. The analytical results for the surface soil composite samples are shown on Figure 12. The surface soil analytical results indicate the surface soils contain chlorinated pesticides (Figure 12). The arsenic concentrations detected in the surface soils in Area D are significantly less than those detected in Area B and Area C.

Figures 13, 14, and 15 present the analytical data for the DPT boring intervals 0-2 ft., 2-6 ft., and 6-10 ft. bls. Copies of the soil boring logs are provided in Appendix G. The analytical results are presented on Table 3 and a copy of the chain-of-custodies and analytical data summaries are included in Appendix E. The DPT analytical data indicates that the pesticide concentrations occur mainly in the surficial soils (0-2 ft.) and decrease significantly in concentration in the 2-6 ft. and 6-10 ft. intervals.

After the initial data was received, it was reviewed by Newfields to assess if any of the surface aliquots should be analyzed in accordance with the Work Plan. Based upon this review of the data, all five surface aliquots (S1 through S5) in grids DG1, DG3, DG6, DG7, DG10, and DG11 were analyzed for chlorinated pesticides. In addition, the aliquots for DG8 and DG9 were analyzed for arsenic and pesticides. The analytical results for these samples are also presented on Table 3 and a copy of the analytical data is presented in Appendix F. Figure 16 presents the surface sample aliquot analytical results. The aliquot sample results were similar to the surface composite results.

### 2.5.2 Additional Items Investigated

A long concrete rectangular structure located in grid DG10, similar to the one in Area B, was also investigated. The structure is located adjacent to the former liquid blending operation and was reportedly a settling basin. The structure appeared to be a concrete vault with a concrete lid with no apparent access port or manway. A concrete trench leading to the structure was followed to the building that reportedly housed the dust lines and storage. Two 3-inch holes were cored through the lid to access the inside of the vault. The vault was filled to the top with washed gravel and covered with plastic. No obvious odors were detected emanating from the core holes. A sample was not collected from the gravel in the vault for analysis. After the inspection, the cores were replaced and sealed.

Two DPTs were installed immediately adjacent to the southern side of the vault (Figure 11, DPT1 and DPT2). A third DPT was installed further to the east in grid DG1 (Figure 11). Samples were collected from the DPTs at 0-2 ft., 2-6 ft., and 6-10 ft. bls intervals. The samples were analyzed for arsenic, dieldrin, toxaphene, and total chlorinated pesticides. The analytical results are presented on Figures 13, 14, and 15 with the other DPT data results. The purpose of the concrete vault is uncertain.

During the site characterization activities, an area of buried debris was discovered in Area D. The buried debris was uncovered during the removal of the surface gravel with the backhoe. A series of exploratory pits were excavated to determine the extent of the buried debris. The buried debris appeared to be centered at the intersection of grids DG7, DG8, DG9, and DG6. The debris included burnt wood, bricks, partial fiber drums, and drum rings. The pit measured approximately 50 feet wide by 50 feet long, and was about 2 to 3.5 feet deep. After the size of the buried debris was estimated, the exploratory holes were backfilled.

### 2.6 Investigative Derived Waste

All decontamination fluids were collected and stored onsite in 55-gallon drums. These drums were properly labeled identifying the contents of the drums. The drums are stored in Area B



inside the fenced-in area. The soil cuttings generated from the installation of the soil borings were stored along with soil stockpiled from Ditch 1. The drums of decontamination fluids and the soil cuttings will be disposed of offsite during Phase II.

## 2.7 Quality Assurance Quality Control

Soil and water samples were analyzed for pesticides using EPA SW846 Method 8081A, and arsenic using Method 6010B. All samples were properly preserved at 4<sup>0</sup>C, and no anomalies were noted in the sample collection and shipment. All samples were analyzed within the holding time requirements. The analytical results for the QA/QC duplicate and equipment blanks samples are presented for Table 4. The analytical results of these samples are provided in Appendix H.

Quality control for each analytical batch included a calibration verification check sample, method blank, laboratory control sample, surrogate spike, matrix spike, and matrix spike duplicate sample. Review of the QC data indicates good analytical and method accuracy and precision. Surrogate spike recoveries in general were within acceptable limits. Matrix interferences were observed in several samples due to the high concentrations of pesticides detected in the samples. Practical quantitation limits (PQL) for a number of samples were elevated due to the dilutions required to analyze the samples. Surrogate spike recoveries and matrix spike recoveries for the diluted samples were outside the acceptable limits.

All positive sample results from the pesticide analysis were confirmed using the second column results. In general, results are reported from the column that had higher area counts. Sample results were also reported from the column with a lower area count, when matrix interference was present on the other column.

Reported QC for Method 6010B also indicates acceptable method precision and accuracy. Results of the serial dilution checks (arsenic), matrix spike and field duplicate sample analyses indicate good method accuracy and precision.





Table 1

Area B Soil Sample Analytical Data  
Phase I Soil Characterization Report  
Red Panther Site Clarksdale, Mississippi

Constituent	Analytical Method	Units	B07												B08												B09																											
			B07E-0-2	B07E-3-4	B07E-6-10	B07W-0-2	B07W-3-4	B07W-6-10	B07-SC	B07-S1	B07-S2	B07-S3	B07-S4	B07-S5	B08E-0-2	B08E-3-4	B08E-6-10	B08W-0-2	B08W-3-4	B08W-6-10	B08-SC	B08-S1	B08-S2	B08-S3	B08-S4	B08-S5	B09E-0-2	B09E-3-4	B09E-6-10	B09W-0-2	B09W-3-4	B09W-6-10	B09-SC	B09-S1	B09-S2	B09-S3	B09-S4	B09-S5																
Pesticides	8091A	mg/kg	0.345			0.0385				ND							ND																																					
α-BHC		mg/kg	0.0816			ND				ND							ND																																					
β-BHC		mg/kg	0.408			ND				ND							ND																																					
δ-BHC		mg/kg	0.0758			ND				ND							ND																																					
γ-BHC (lindane)		mg/kg	0.0445			ND				ND							ND																																					
4,4'-DDD		mg/kg	1.79			0.154				0.993							ND																																					
4,4'-DDE		mg/kg	0.184			0.147				0.223							ND																																					
4,4'-DDT		mg/kg	11.3			0.142				0.324							ND																																					
Dieldrin		mg/kg	3.87	0.0096	ND	0.208	0.0321	ND	0.409							ND	ND	ND	0.2129	ND	ND	0.413																																
Endosulfan I		mg/kg	ND			ND			ND							0.0057						ND																																
Endosulfan II		mg/kg	ND			ND			ND							0.0128						ND																																
Endosulfan sulfate		mg/kg	ND			ND			ND							ND						ND																																
Endrin		mg/kg	ND			0.554			ND							ND						ND																																
Endrin aldehyde		mg/kg	ND			ND			ND							ND						ND																																
Endrin ketone		mg/kg	0.334			ND			ND							ND						ND																																
Heptachlor		mg/kg	0.259			0.185			ND							ND						ND																																
Heptachlor epoxide		mg/kg	0.816			0.30			ND							ND						ND																																
Methoxychlor		mg/kg	ND			ND			ND							ND						ND																																
Toxaphene		mg/kg	58.2	ND	ND	ND	2.39	ND	10.8						ND	ND	ND	ND	ND	ND	ND																																	
α-chlordane		mg/kg	3.34			1.41			0.324						0.004							ND																																
γ-chlordane		mg/kg	4.74			2.01			0.344						0.0057							ND																																
Total Pesticides		mg/kg	82.348			8.185			13.81						0.0184						0.0442																																	
Metals	6010B	mg/kg																																																				
Arsenic		mg/kg	828	143	21.6	4000	737	74.1	1180	3410	1850	2160	1080	2700	728	274	272	221	701	108	581	185	358	830	295	628	101	150	599	1000	864	1500	530	1110	523																			

Notes:  
mg/kg = milligrams per kilogram.  
NA = not analyzed  
\* = sample lost







Table 1

Area B Soil Sample Analytical Data  
Phase I Soil Characterization Report  
Red Panther Site Clarksdale, Mississippi

Constituent	Analytical Method	Units	B019													B020												
			B019 88	B019 9-2	B019 9-4	B019 9-10	B019 9-2	B019 9-4	B019 9-10	B019 9C	B019 91	B019 92	B019 93	B019 94	B019 95	B020 9-2	B020 9-4	B020 9-10	B020 9C	B020 91	B020 92	B020 93	B020 94	B020 95				
<b>Pesticides</b>																												
aldin	B01A	mg/kg		ND			ND																					
a-SHC		mg/kg		ND			ND																					
b-SHC		mg/kg		ND			ND																					
d-SHC		mg/kg		ND			ND																					
g-SHC (lindane)		mg/kg		ND			ND																					
4'-DDD		mg/kg		0.0089			0.0218																					
4'-DDE		mg/kg		ND			ND																					
4'-DDT		mg/kg		0.013			ND																					
Dieldrin		mg/kg		ND	ND	ND	ND	ND	ND	0.759																		
Endosulfan I		mg/kg		ND			ND			ND																		
Endosulfan II		mg/kg		ND			ND			ND																		
Endosulfan sulfate		mg/kg		ND			ND			ND																		
Endrin		mg/kg		ND			ND			ND																		
Endrin aldehyde		mg/kg		ND			ND			ND																		
Endrin Ketone		mg/kg		ND			ND			ND																		
Heptachlor		mg/kg		ND			ND			ND																		
Heptachlor epoxide		mg/kg		ND			ND			ND																		
Methoxychlor		mg/kg		ND			ND			ND																		
Toxaphene		mg/kg		4.07	ND	ND	1.73	ND	ND	22.2																		
alpha-chlordane		mg/kg		0.0059			0.0034			0.283																		
gamma-chlordane		mg/kg		0.0083			0.0054			0.302																		
Total Pesticides				4.104			1.7004			34.093																		
<b>Metals</b>																												
Arsenic	B010B	mg/kg		2450	585	54.6	1800	88.7	20.3	777																		

Note:  
mg/kg = milligram per kilogram.  
NA = not analyzed  
\* = sample lost



**Table 2**  
**Area C Soil Sample Analytical Data**  
**Phase I Soil Characterization Report**  
**Red Panther Site**  
**Clarksdale, Mississippi**

Constituent	Analytical Method	Units	CP1						CP2						CP3					
			CP1-S 0-3	CP1-S 3-6	CP1-S 6-10	CP1-N 0-2	CP1-N 2-6	CP1-N 6-10	CP2-S 0-3	CP2-S 3-6	CP2-S 6-10	CP2-N 0-2	CP2-N 2-6	CP2-N 6-10	CP3-S 0-2	CP3-S 2-6	CP3-S 6-10	CP3-N 0-3	CP3-N 3-6	CP3-N 6-10
<b>Pesticides</b>	<b>8081A</b>																			
aldrin		mg/kg	ND			ND			ND			ND			9.87			28.7		
a-BHC		mg/kg	ND			ND			ND			0.0286			ND			ND		
b-BHC		mg/kg	0.186			ND			0.166			0.412			24.4			ND		
d-BHC		mg/kg	ND			ND			ND			ND			ND			ND		
g-BHC (Lindane)		mg/kg	ND			ND			ND			ND			ND			ND		
4,4' -DDD		mg/kg	ND			ND			ND			ND			ND			139		
4,4' -DDE		mg/kg	0.177			0.092			0.412			0.0939			20.7			ND		
4,4' -DDT		mg/kg	0.911			0.258			2.57			0.147			2910			1020		
Dieldrin		mg/kg	0.279	ND	ND	0.0647	ND	ND	0.329	0.0048	ND	0.527	0.0594	0.0249	1010	37.7	2.0	169	5.63	3.77
Endosulfan I		mg/kg	ND			ND			ND			ND			ND			ND		
Endosulfan II		mg/kg	ND			ND			ND			ND			ND			ND		
Endosulfan sulfate		mg/kg	ND			ND			ND			ND			ND			ND		
Endrin		mg/kg	ND			ND			ND			ND			26.9			ND		
Endrin aldehyde		mg/kg	ND			ND			ND			ND			ND			ND		
Endrin Ketone		mg/kg	ND			ND			ND			ND			10.7			ND		
Heptachlor		mg/kg	ND			ND			ND			ND			ND			ND		
Heptachlor		mg/kg	ND			ND			ND			ND			ND			ND		
Heptachlor epoxide		mg/kg	ND			ND			ND			ND			ND			ND		
Methoxychlor		mg/kg	ND			ND			ND			ND			ND			ND		
Toxaphene		mg/kg	3.32	ND	ND	0.882	ND	ND	7.72	ND	ND	4.36	ND	ND	ND	ND	ND	6290	148	124
alpha-chlordane		mg/kg	ND			ND			ND			ND			ND			ND		
gamma-chlordane		mg/kg	ND			ND			ND			ND			2.71			ND		
<b>Total Pesticides</b>			<b>4.87</b>			<b>1.30</b>			<b>11.20</b>			<b>5.57</b>			<b>4015.28</b>			<b>7646.70</b>		
<b>Metals</b>	<b>6010B</b>																			
Arsenic		mg/kg	262	1090	61.2	3410	551	659	43.3	3.97	3.71	315	171	224	262	175	3.15	128	115	12.1

Note:  
mg/kg - milligrams per kilogram.

Table 2  
 Area C Soil Sample Analytical Data  
 Phase I Soil Characterization Report  
 Red Panther Site  
 Clarksdale, Mississippi

Constituent	Analytical Method	Units	CP4						CP5					
			CP4-S 0-2	CP4-S 2-6	CP4-S 6-10	CP4-N 0-2	CP4-N 2-6	CP4-N 6-10	CP5-S 0-2	CP5-S 2-6	CP5-S 6-10	CP5-N 0-2	CP5-N 2-6	CP5-N 6-10
<b>Pesticides</b>	<b>8081A</b>													
aldrin		mg/kg	ND			ND			ND			ND		
a-BHC		mg/kg	ND			ND			0.020			ND		
b-BHC		mg/kg	ND			ND			0.0352			ND		
d-BHC		mg/kg	ND			ND			0.0088			ND		
g-BHC (Lindane)		mg/kg	ND			ND			ND			ND		
4,4' -DDD		mg/kg	1.21			ND			0.135			1.02		
4,4' -DDE		mg/kg	ND			0.978			0.0728			1.10		
4,4' -DDT		mg/kg	3.95			1.87			0.0337			12.3		
Dieldrin		mg/kg	1.72	0.0111	0.0048	5.79	0.0842	ND	0.0184	0.327	ND	1.87	ND	0.0182
Endosulfan I		mg/kg	ND			ND			ND			ND		
Endosulfan II		mg/kg	ND			ND			ND			ND		
Endosulfan sulfate		mg/kg	ND			ND			ND			ND		
Endrin		mg/kg	ND			ND			ND			ND		
Endrin aldehyde		mg/kg	ND			ND			ND			ND		
Endrin Ketone		mg/kg	ND			ND			ND			ND		
Heptachlor		mg/kg	ND			ND			ND			ND		
Heptachlor		mg/kg	ND			ND			ND			ND		
Heptachlor epoxide		mg/kg	ND			ND			ND			ND		
Methoxychlor		mg/kg	ND			ND			ND			ND		
Toxaphene		mg/kg	68	ND	ND	88	1.73	ND	0.508	ND	ND	47.8	ND	0.918
alpha-chlordane		mg/kg	0.947			1.55			ND			ND		
gamma-chlordane		mg/kg	1.03			2.28			ND			ND		
<b>Total Pesticides</b>			<b>76.86</b>			<b>100.47</b>			<b>0.83</b>			<b>64.09</b>		
<b>Metals</b>	<b>6010B</b>													
Arsenic		mg/kg	5.9	4.02	5.11	6.52	2.26	2.56	6.65	5.74	4.29	79.1	3.27	ND

Note:  
 mg/kg - milligrams per kilogram.



Table 3  
**Area D Soil Sample Analytical Data**  
**Phase I Soil Characterization Report**  
**Red Panther Site**  
**Clarksdale, Mississippi**

Constituent	Analytical Method	Units	DG3												DG4												
			DG3E-0-2	DG3E-2-6	DG3E-6-10	DG3W-0-2	DG3W-2-6	DG3W-6-10	DG3-9C	DG3-S1	DG3-S2	DG3-S3	DG3-S4	DG3-S5	DG4E-0-2	DG4E-2-6	DG4E-6-10	DG4W-0-2	DG4W-2-6	DG4W-6-10	DG4-8C	DG4-81	DG4-82	DG4-S3	DG4-S4	DG4-S5	
<b>Pesticides</b>																											
	8081A																										
aldrin	mg/kg	ND				ND				21.9	0.0048	0.0038	89.3	0.0126	0.0361	ND							ND				10.4
a-BHC	mg/kg	0.0062				ND				ND	ND	0.0178	ND	0.0826	0.528	ND							ND				ND
b-BHC	mg/kg	ND				0.472				ND	0.239	0.167	27.5	0.914	0.0060	1.06							ND				ND
d-BHC	mg/kg	ND				ND				ND	ND	ND	ND	0.110	ND	ND							ND				ND
g-BHC (Lindane)	mg/kg	0.0062				ND				ND	ND	0.0085	4.87	0.0196	0.0679	ND							ND				ND
4,4'-DDD	mg/kg	0.0287				ND				63.2	ND	0.0228	479	0.0914	0.158	0.768							12.9				21.5
4,4'-DDE	mg/kg	0.0392				1.57				ND	ND	0.0368	91.7	ND	0.198	0.461							2.28				2.64
4,4'-DDT	mg/kg	0.0462				4.43				17.9	0.0816	0.0776	155	0.0779	0.122	1.21							ND				9.94
Dieldrin	mg/kg	0.252	0.0278	ND		1.30	0.213	0.0158		8.11	0.190	0.163	86.8	0.0385	ND	2.08	0.0391	0.0049		11.20	0.235	ND					2.95
Endosulfen I	mg/kg	ND				ND				ND	ND	ND	ND	ND	0.0379	ND							ND				ND
Endosulfen II	mg/kg	ND				ND				ND	0.0253	ND	ND	ND	ND	ND							ND				ND
Endosulfen sulfate	mg/kg	ND				ND				ND	ND	0.0136	ND	ND	ND	ND							ND				ND
Endrin	mg/kg	0.0128				ND				ND	ND	ND	ND	ND	ND	ND							ND				ND
Endrin aldehyde	mg/kg	ND				ND				ND	ND	ND	ND	ND	ND	ND							ND				ND
Endrin Ketone	mg/kg	0.0066				ND				ND	0.0735	ND	22.7	ND	ND	ND							ND				ND
Heptachlor	mg/kg	ND				ND				ND	ND	ND	ND	0.011	ND	ND							ND				ND
Heptachlor epoxide	mg/kg	ND				ND				ND	ND	ND	ND	ND	ND	ND							ND				ND
Methoxychlor	mg/kg	ND				ND				ND	ND	ND	ND	ND	ND	ND							ND				ND
Toxaphene	mg/kg	1.40	ND	ND		26.2	3.85	ND		341	1.25	0.791	3300	1.19	2.61	11.3	ND	ND		69.6	ND	ND					106
alpha-chlordane	mg/kg	ND				ND				8.93	ND	ND	56.8	ND	ND	ND							ND				ND
gamma-chlordane	mg/kg	ND				ND				8.93	ND	ND	101	ND	ND	ND							ND				ND
<b>Total Pesticides</b>			<b>1.7979</b>			<b>33.972</b>				<b>469.97</b>	<b>1.8842</b>	<b>1.3019</b>	<b>4414.67</b>	<b>2.6476</b>	<b>3.7839</b>	<b>16.879</b>				<b>96.98</b>							<b>153.43</b>
<b>Metals</b>																											
	6010B																										
Arsenic	mg/kg	3.40	6.27	7.79		7.08	5.17	14.7		4.06	NA	NA	NA	NA	NA	4.45	5.51	5.33		2.70	5.37	5.62					5.15

Note:  
mg/kg - milligrams per kilogram.  
na - Not Analyzed

Table 3  
 Area D Soil Sample Analytical Data  
 Phase I Soil Characterization Report  
 Red Panther Site  
 Clarksdale, Mississippi

Constituent	Analytical Method	Units	DG5												DG6																	
			DG5E-0-2	DG5E-2-4	DG5E-6-10	DG5W-0-2	DG5W-2-4	DG5W-6-10	DG5-8C	DG5-81	DG5-82	DG5-83	DG5-84	DG5-85	DG6E-0-2	DG6E-2-4	DG6E-6-10	DG6W-0-2	DG6W-2-4	DG6W-6-10	DG6-8C	DG6-81	DG6-82	DG6-83	DG6-84	DG6-85						
<b>Pesticides</b>	<b>8081A</b>																															
aldrin	mg/kg	ND				ND									ND					ND				10.1	ND	0.346	51.5	0.0177	ND			
α-BHC	mg/kg	ND				ND									ND					ND				ND	0.0042	ND	ND	0.0506	0.0111			
β-BHC	mg/kg	ND				0.734									1.38					0.276				0.130			3.35	0.0589	0.514	17.5	0.301	0.159
δ-BHC	mg/kg	ND				ND									ND					ND				ND	0.0076	ND	ND	0.0160	ND			
γ-BHC (Lindane)	mg/kg	ND				ND									ND					ND				ND	0.0181	ND	ND	0.0305	ND			
4,4'-DDD	mg/kg	ND				ND									5.92					0.0425				ND	0.0059	0.796	224	0.4580	0.0358			
4,4'-DDE	mg/kg	2.95				1.10									ND					0.169				0.0622			14.5	0.0067	1.13	103	0.361	0.0659
4,4'-DDT	mg/kg	15.6				17.1									28.5					0.241				0.189			236	0.0408	0.756	1350	0.0625	0.317
Dieldrin	mg/kg	1.69	0.0135	ND	2.65	0.215	0.0133	8.47							0.766	0.0094	ND	0.0902	ND	0.0065				31.4	0.0085	0.422	198	0.325	0.313			
Endosulfan I	mg/kg	ND				ND									ND					ND				ND	ND	ND	ND	ND	ND			
Endosulfan II	mg/kg	ND				ND									ND					ND				ND	ND	0.111	ND	ND	ND			
Endosulfan sulfate	mg/kg	ND				ND									ND					ND				ND	ND	ND	ND	ND	ND			
Endrin	mg/kg	ND				ND									ND					0.157				ND	ND	0.179	291	ND	ND			
Endrin aldehyde	mg/kg	ND				ND									ND					ND				ND	ND	ND	51.5	ND	ND			
Endrin Ketone	mg/kg	ND				ND									0.0803					ND				ND	ND	ND	ND	ND	ND			
Heptachlor	mg/kg	ND				ND									ND					ND				ND	ND	ND	ND	0.0072	ND			
Heptachlor epoxide	mg/kg	ND				ND									ND					ND				ND	ND	ND	21.1	ND	ND			
Methoxychlor	mg/kg	ND				ND									ND					ND				ND	ND	ND	ND	ND	ND			
Toxaphene	mg/kg	31.6	ND	ND	20.8	5.09	ND	90.3							3.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.10	5300	3.01	1.60			
α-chlordane	mg/kg	ND				ND									ND					ND				ND	ND	0.0439	12.9	0.0208	ND			
γ-chlordane	mg/kg	ND				ND									ND					ND				ND	ND	ND	ND	0.0120	ND			
<b>Total Pesticides</b>			<b>61.84</b>			<b>42.38</b>		<b>134.67</b>						<b>6.04</b>			<b>0.47</b>							<b>352.04</b>	<b>0.15</b>	<b>12.47</b>	<b>7649.90</b>	<b>4.67</b>	<b>2.60</b>			
<b>Metals</b>	<b>6010B</b>																															
Arsenic	mg/kg	3.66	5.26	8.42	4.38	4.65	11.0	6.53							5.44	4.35	7.17	5.76	7.69	9.17				19.0	NA	NA	NA	NA	NA			

Note:  
 mg/kg - milligrams per kilogram.  
 na - Not Analyzed

**Table 3**  
**Area D Soil Sample Analytical Data**  
**Phase I Soil Characterization Report**  
**Red Panther Site**  
**Clarksdale, Mississippi**

Constituent	Analytical Method	Units	DG7										DG8																							
			DG7E-0-2	DG7E-2-4	DG7E-6-10	DG7W-0-2	DG7W-2-4	DG7W-6-10	DG7-SC	DG7-S1	DG7-S2	DG7-S3	DG7-S4	DG7-S5	DG8E-0-2	DG8E-2-4	DG8E-6-10	DG8W-0-2	DG8W-2-4	DG8W-6-10	DG8-SC	DG8-S1	DG8-S2	DG8-S3	DG8-S4	DG8-S5										
<b>Pesticides</b>																																				
	8081A																																			
aldin	mg/kg	0.137				ND					ND	0.855	ND	ND	7.33	ND							ND			1280										
a-BHC	mg/kg	0.0161				2.83					43.8	0.0285	0.141	0.0041	157	ND							ND			516										
b-BHC	mg/kg	0.109				3.31					ND	0.0611	0.183	0.0095	24.5	1.40							ND			ND										
d-BHC	mg/kg	0.0544				ND					ND	0.0489	0.0168	0.0021	ND	ND							ND			ND										
g-BHC (Lindane)	mg/kg	0.0221				1.87					ND	ND	0.0168	ND	4.90	ND							ND			ND										
4,4'-DDD	mg/kg	0.278				73.5					56.3	2.05	0.170	0.0296	69.3	49.5							744			388										
4,4'-DDE	mg/kg	0.294				8.34					ND	1.43	0.0609	0.0213	34.3	6.18							ND			ND										
4,4'-DDT	mg/kg	0.0261				78.9					125	0.957	ND	0.0982	190	54.3							704			1270										
Dieldrin	mg/kg	0.0926	0.582	0.005		20.3	6.39	1.18			58.3	ND	0.155	0.0274	200	12.2						221	0.340	ND	ND	67.7	0.181									
Endosulfan I	mg/kg	ND				ND					ND	ND	ND	ND	ND	ND							ND			ND										
Endosulfan II	mg/kg	ND				ND					ND	ND	ND	ND	ND	ND							ND			ND										
Endosulfan sulfate	mg/kg	ND				ND					ND	ND	ND	0.0135	ND	ND							ND			ND										
Endrin	mg/kg	ND				7.21					ND	0.0936	0.151	ND	ND	ND							ND			ND										
Endrin aldehyde	mg/kg	ND				ND					ND	ND	0.0483	ND	ND	3.99							ND			ND										
Endrin Ketone	mg/kg	ND				ND					ND	ND	1.73	0.0045	ND	ND							ND			ND										
Heptachlor	mg/kg	ND				ND					ND	ND	ND	ND	ND	ND							ND			ND	58	ND	ND							
Heptachlor epoxide	mg/kg	ND				ND					ND	ND	ND	ND	ND	ND							ND			ND										
Methoxychlor	mg/kg	ND				ND					ND	ND	ND	ND	ND	ND							ND			ND										
Toxaphene	mg/kg	ND	2.5	ND		492	128	50.5			517	11.4	4.53	0.679	834	377						4440	16.3	ND	5260	1210	4.54									
alpha-chlordane	mg/kg	ND				ND					ND	ND	ND	ND	ND	2.59							ND			ND										
gamma-chlordane	mg/kg	ND				ND					ND	0.0814	ND	ND	ND	ND							ND			ND										
<b>Total Pesticides</b>		<b>1.03</b>				<b>688.06</b>					<b>800.4</b>	<b>17.01</b>	<b>7.20</b>	<b>0.89</b>	<b>1521.33</b>	<b>607.16</b>						<b>6109</b>			<b>8724</b>											
<b>Metals</b>																																				
	6010B																																			
Arsenic	mg/kg	7.21	7.99	7.47		27.5	6.28	8.08			17.1	NA	NA	NA	NA	NA									118	6.58	7.01	28.7	25.2	9.37	257	341	317	4.34	233	14.9

Note:  
mg/kg - milligrams per kilogram.  
na - Not Analyzed

Table 3  
Area D Soil Sample Analytical Data  
Phase I Soil Characterization Report  
Red Panther Site  
Clarksdale, Mississippi

Constituent	Analytical Method	Units	DG9													DG10																				
			DG9E 0-2	DG9E 2-6	DG9E 6-10	DG9W 0-2	DG9W 2-6	DG9W 6-10	DG9 8C	DG9 81	DG9 82	DG9 83	DG9 84	DG9 85	DG10E 0-3	DG10E 3-6	DG10E 6-10	DG10W 0-2	DG10W 2-6	DG10W 6-10	DG10 8C	DG10 81	DG10 82	DG10 83	DG10 84	DG10 86										
<b>Pesticides</b>	<b>8081A</b>																																			
aldrin	mg/kg	11.5				232				92	0.840	237	10.3	15.2	62.0	ND						ND	ND	ND	ND	0.152	0.0209									
a-BHC	mg/kg	ND				ND				ND	1.09	ND	ND	8.74	ND	31.60						6.3	ND	ND	0.0657	3.46	0.80	ND								
b-BHC	mg/kg	ND				ND				ND	ND	36.9	22.1	3.79	71.1	33.50						ND	6.89	1.79	0.961	2.45	0.576	0.0311								
d-BHC	mg/kg	ND				ND				ND	ND	ND	ND	4.21	ND	ND						ND	ND	ND	ND	ND	ND	ND								
g-BHC (Lindane)	mg/kg	ND				ND				ND	ND	ND	ND	8.42	ND	ND						ND	ND	ND	ND	0.048	ND									
4,4'-DDD	mg/kg	92.2				468				127	2.18	141	29.3	ND	105	160						16.8	46.6	ND	ND	86.70	0.743	0.0163								
4,4'-DDE	mg/kg	28.8				ND				221	2.27	252	53.9	8.0	1880	72.5						ND	16.7	3.58	0.509	11.20	0.568	0.0920								
4,4'-DDT	mg/kg	173				629				1910	24.3	4460	864	430	3450	503						87.4	81.0	21.0	0.633	27.70	1.30	0.0107								
Dieldrin	mg/kg	34.8	0.0443	0.012				829	4.59	0.0324				208	6.54	486	11.9	29.8	198						37.2	0.0613	0.0219	ND	0.196	0.0116	50.6	12.8	0.920	66.20	0.288	0.0499
Endosulfan I	mg/kg	ND				ND				ND	ND	ND	ND	ND	ND	ND						ND	ND	ND	ND	ND	ND	ND	ND							
Endosulfan II	mg/kg	ND				ND				ND	ND	55.3	8.73	12.6	ND	ND						ND	ND	ND	7.14	ND	ND	ND								
Endosulfan sulfate	mg/kg	ND				ND				ND	ND	63.4	ND	ND	19.4	ND						ND	ND	ND	ND	ND	ND	ND								
Endrin	mg/kg	ND				ND				109	ND	302	38.1	ND	ND	ND						ND	4.45	ND	ND	ND	ND	ND	ND							
Endrin aldehyde	mg/kg	ND				ND				ND	ND	ND	ND	ND	ND	ND						ND	ND	ND	ND	ND	ND	ND								
Endrin Ketone	mg/kg	ND				ND				ND	ND	40.9	15.8	ND	ND	ND						ND	2.83	ND	0.213	5.30	ND	ND	ND							
Heptachlor	mg/kg	ND				ND				ND	ND	ND	ND	ND	ND	ND						ND	ND	ND	ND	ND	ND	ND	ND							
Heptachlor epoxide	mg/kg	ND				ND				ND	ND	ND	ND	ND	ND	ND						ND	ND	ND	0.06	ND	ND	ND	ND							
Methoxychlor	mg/kg	ND				ND				ND	ND	ND	ND	ND	ND	ND						ND	ND	ND	ND	ND	ND	ND	ND							
Toxaphene	mg/kg	586	ND	ND				3550	48.6	ND				5030	79.3	15100	4020	4270	13500						2840	0.896	ND	180	3.0	ND	ND	79.4	17.6	483	5.88	0.548
alpha-chlordane	mg/kg	ND				ND				ND	ND	ND	ND	ND	ND	ND						ND	ND	ND	ND	ND	ND	ND	ND							
gamma-chlordane	mg/kg	ND				ND				ND	ND	ND	ND	ND	ND	ND						ND	ND	ND	0.132	ND	ND	ND	ND							
<b>Total Pesticides</b>		<b>926.1</b>				<b>5506</b>				<b>7697</b>	<b>116.82</b>	<b>21174.6</b>	<b>5074.13</b>	<b>4788.76</b>	<b>19286.6</b>	<b>3677.8</b>						<b>290.2</b>	<b>209.07</b>	<b>118.67</b>	<b>21.09</b>	<b>693.15</b>	<b>10.36</b>	<b>0.77</b>								
<b>Metals</b>	<b>6010B</b>																																			
Arsenic	mg/kg		35.4	4.47	4.50	49.9	4.34	6.96	1100	7.88	53.80	76.70	114.00	229.00	144	12.80	5.53	28.8	9.73	5.70	95.3	NA	NA	NA	NA	NA	NA									

Note:  
mg/kg - milligrams per kilogram.  
na - Not Analyzed

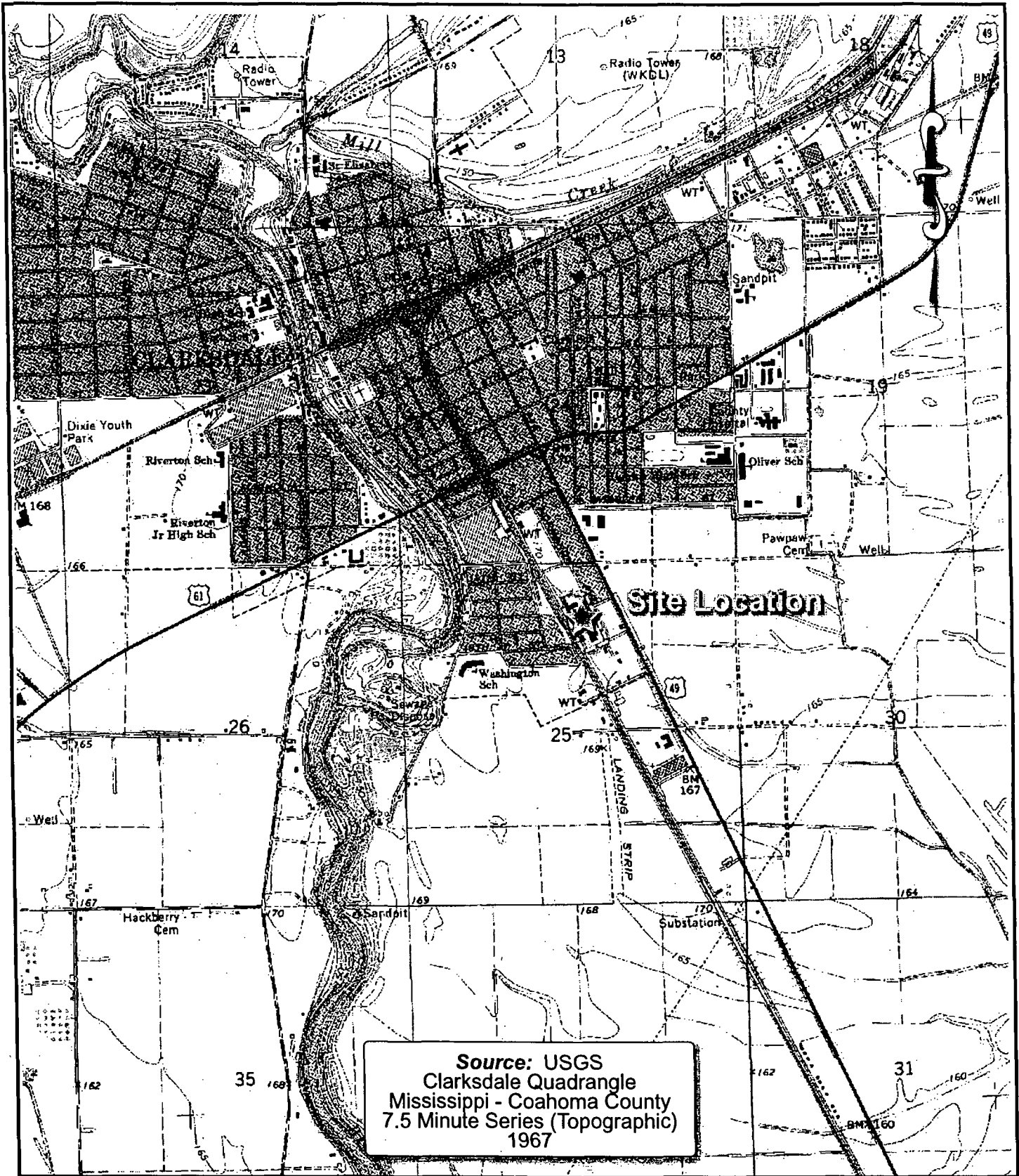
**Table 3**  
**Area D Soil Sample Analytical Data**  
**Phase I Soil Characterization Report**  
**Red Panther Site**  
**Clarksdale, Mississippi**

Constituent	Analytical Method	Units	DG11											DPT-1			DPT-2			DPT-3				
			DG11E 0-2	DG11E 2-6	DG11E 6-10	DG11W 0-2	DG11W 2-6	DG11W 6-10	DG11 SC	DG11 S1	DG11 S2	DG11 S3	DG11 S4	DG11 S5	DPT-1 0-2	DPT-1 2-6	DPT-1 6-10	DPT-2 0-2	DPT-2 2-6	DPT-2 6-10	DPT-3 0-2	DPT-3 2-6	DPT-3 6-10	
<b>Pesticides</b>																								
aldrin	8081A	mg/kg	ND			ND			2.01	0.0102	ND	ND	0.031	ND	ND			ND			ND			
a-BHC		mg/kg	ND			ND			1.21	0.0708	0.0021	0.0297	0.443	ND	ND			ND			0.0035			
b-BHC		mg/kg	1.98			137			20.1	0.614	0.0231	0.546	0.458	11.2	ND			ND			0.0113			
d-BHC		mg/kg	ND			ND			ND	0.0102	ND	0.0072	0.326	ND	ND			ND			ND			
g-BHC (Lindane)		mg/kg	ND			ND			ND	0.0164	ND	0.0169	0.228	ND	ND			ND			0.0151			
4,4'-DDD		mg/kg	0.993			ND			25.2	0.0693	ND	0.138	0.0776	9.39	63.4			19.7			ND			
4,4'-DDE		mg/kg	2.21			ND			7.67	0.070	ND	0.345	0.0893	4.49	23.6			5.15			0.0066			
4,4'-DDT		mg/kg	16.1			2640			525	0.653	0.0045	1.30	1.75	392	57.8			25.0			0.0518			
Dieldrin		mg/kg	1.83	0.0352	0.0114	720	2.20	ND	40.4	0.296	ND	0.104	0.163	18.8	56.2	0.865	0.0399	15.1	1.0	0.0358	0.0066	ND	ND	
Endosulfan I		mg/kg	ND			ND			ND	0.0187	ND	0.0145	ND	ND	ND			ND			ND			
Endosulfan II		mg/kg	ND			ND			ND	0.0296	ND	ND	ND	ND	ND			ND			ND			
Endosulfan sulfate		mg/kg	ND			ND			ND	ND	ND	ND	ND	ND	ND			ND			ND			
Endrin		mg/kg	ND			ND			2.82	ND	ND	ND	ND	ND	ND			ND			ND			
Endrin aldehyde		mg/kg	ND			ND			ND	ND	ND	ND	0.0427	ND	ND			ND			ND			
Endrin Ketone		mg/kg	ND			ND			ND	ND	ND	ND	ND	ND	ND			ND			ND			
Heptachlor		mg/kg	ND			ND			ND	ND	ND	ND	ND	ND	ND			ND			ND			
Heptachlor epoxide		mg/kg	ND			ND			ND	ND	ND	ND	ND	ND	ND			ND			ND			
Methoxychlor		mg/kg	ND			ND			ND	ND	ND	ND	ND	ND	ND			ND			ND			
Toxaphene		mg/kg	ND	ND	ND	4790	26.3	ND	ND	2.96	ND	4.02	5.90	194	906	12.2	1.12	208	9.35	ND	ND	ND	ND	
alpha-chlordane		mg/kg	ND			ND			ND	ND	ND	ND	ND	ND	ND			ND			ND			
gamma-chlordane		mg/kg	ND			ND			ND	ND	ND	ND	ND	ND	ND			ND			ND			
<b>Total Pesticides</b>			<b>23.11</b>			<b>8287</b>			<b>624.41</b>	<b>4.82</b>	<b>0.03</b>	<b>6.82</b>	<b>9.61</b>	<b>629.88</b>	<b>1107</b>			<b>272.95</b>			<b>0.09</b>			
<b>Metals</b>																								
Arsenic	6010B	mg/kg														282	75.8	4.46	136	21.7	5.70	3.95	5.03	3.48
			5.19	3.13	3.10	28.5	4.68	5.44	3.93	NA	NA	NA	NA	NA										

Note:  
mg/kg - milligrams per kilogram.  
na - Not Analyzed



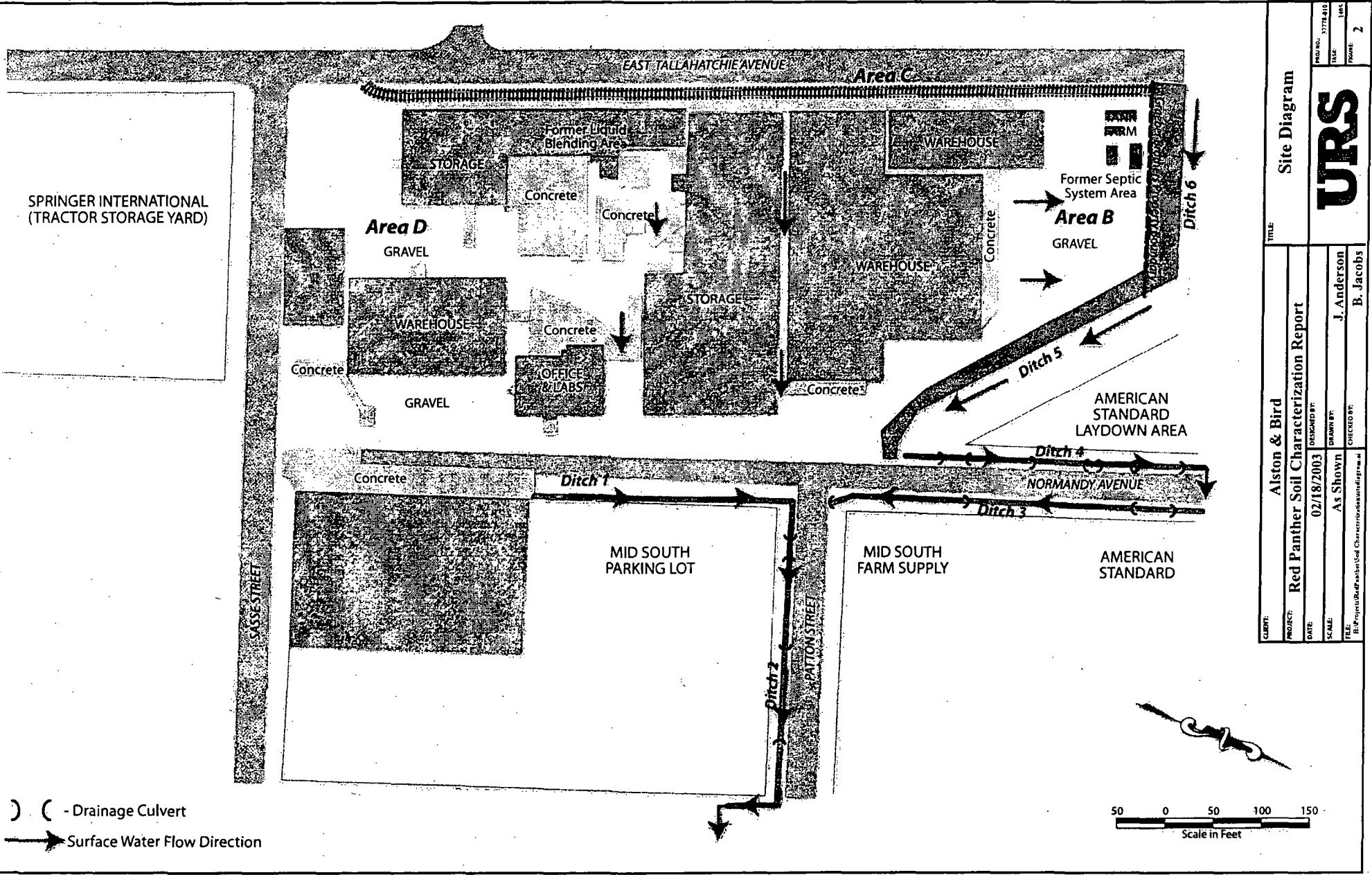




**Source: USGS  
 Clarksdale Quadrangle  
 Mississippi - Coahoma County  
 7.5 Minute Series (Topographic)  
 1967**

<b>CLIENT:</b> Alston and Bird		<b>TITLE:</b> Site Location Map	
<b>PROJECT:</b> Red Panther Soil Characterization Report			
<b>DATE:</b> 02/18/2003	<b>DESIGNED BY:</b>		
<b>SCALE:</b> Approximate Scale 1" = 2000'	<b>DRAWN BY:</b> J. Anderson		<b>PROJ NO.:</b> 37778-010 <b>TASK:</b> 1405 <b>FIGURE:</b> 1
<b>FILE:</b> H:\Projects\Red Panther\Soil Characterization\SiteMap.ai	<b>CHECKED BY:</b> B. Jacobs		





SPRINGER INTERNATIONAL  
 (TRACTOR STORAGE YARD)

SASSE STREET

EAST TALLAHATCHIE AVENUE

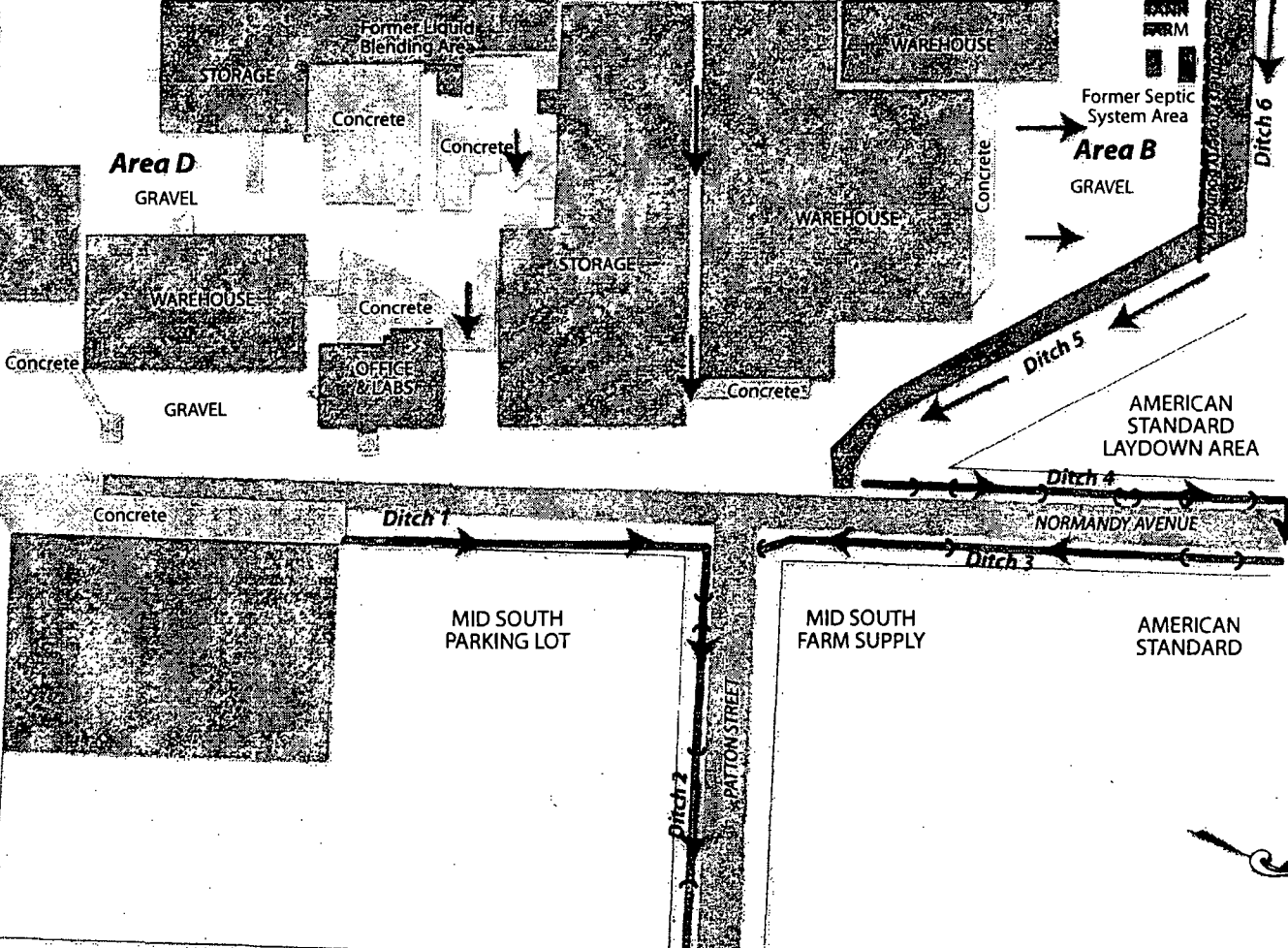
PATTON STREET

NORMANDY AVENUE

**Area D**

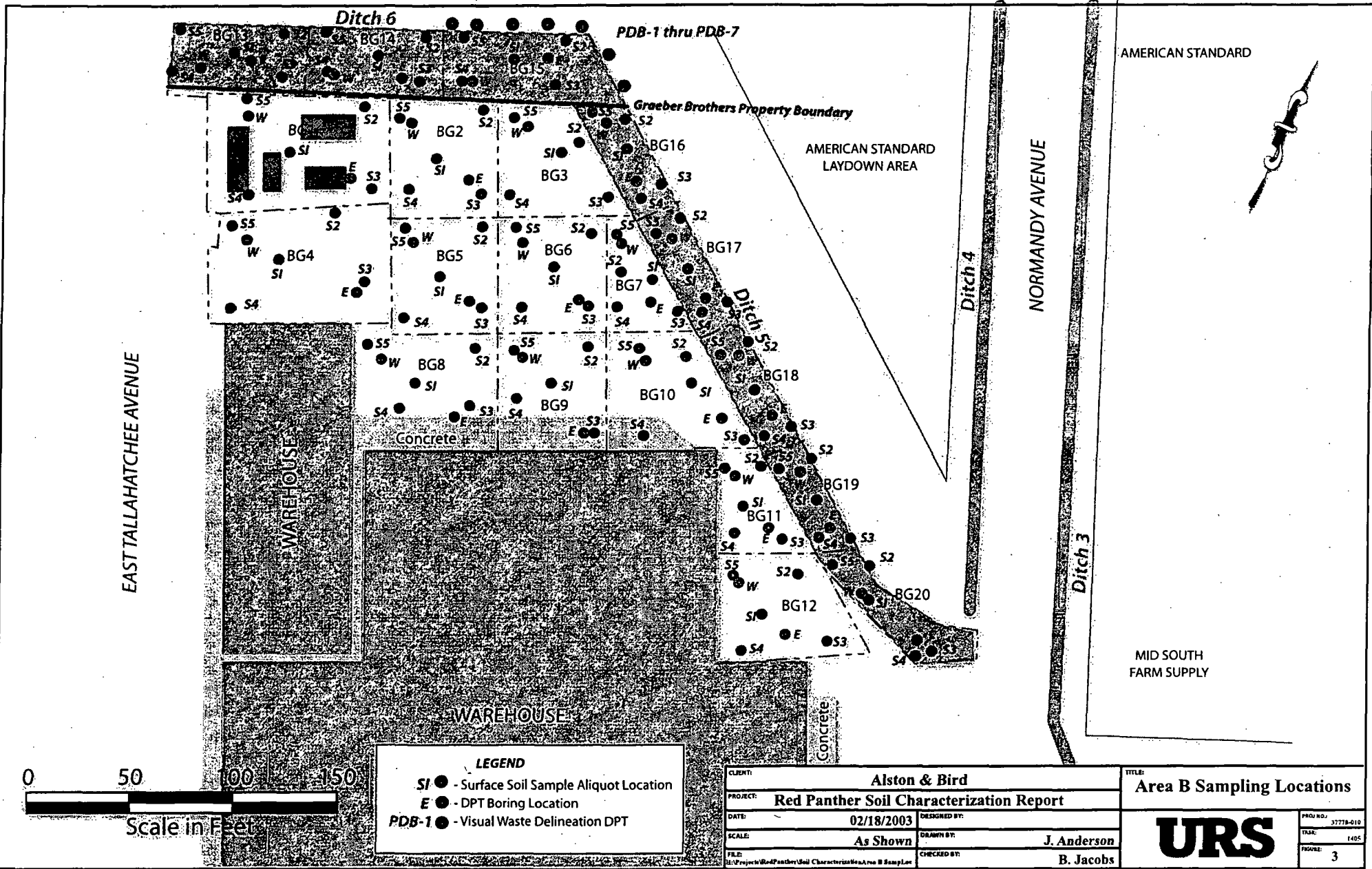
**Area C**

**Area B**



CLIENT: Alston & Bird		TITLE: Site Diagram	
PROJECT: Red Panther Soil Characterization Report	PROJ NO: 3778-R10	DATE: 02/18/2003	TRACK: 1000
DESIGNED BY: J. Anderson	DRAWN BY: B. Jacobs	SCALE: AS SHOWN	FRAME: 2
FILE: E:\Project\Bull\shbr\Soil Characterization\fig\fig-4.dwg			





EAST TALLAHATCHEE AVENUE

WAREHOUSE

WAREHOUSE

Concrete

Concrete

Ditch 6

PDB-1 thru PDB-7

Graeber Brothers Property Boundary

AMERICAN STANDARD LAYDOWN AREA

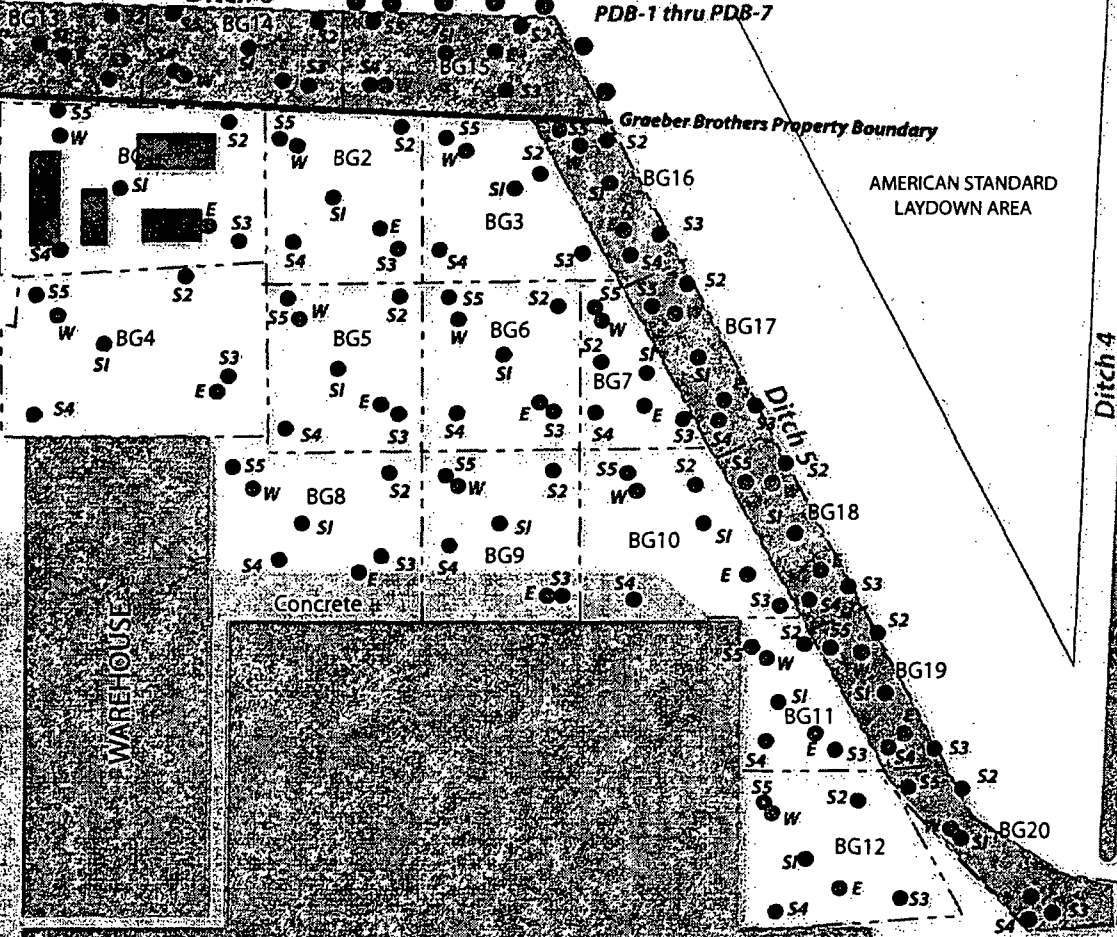
Ditch 4

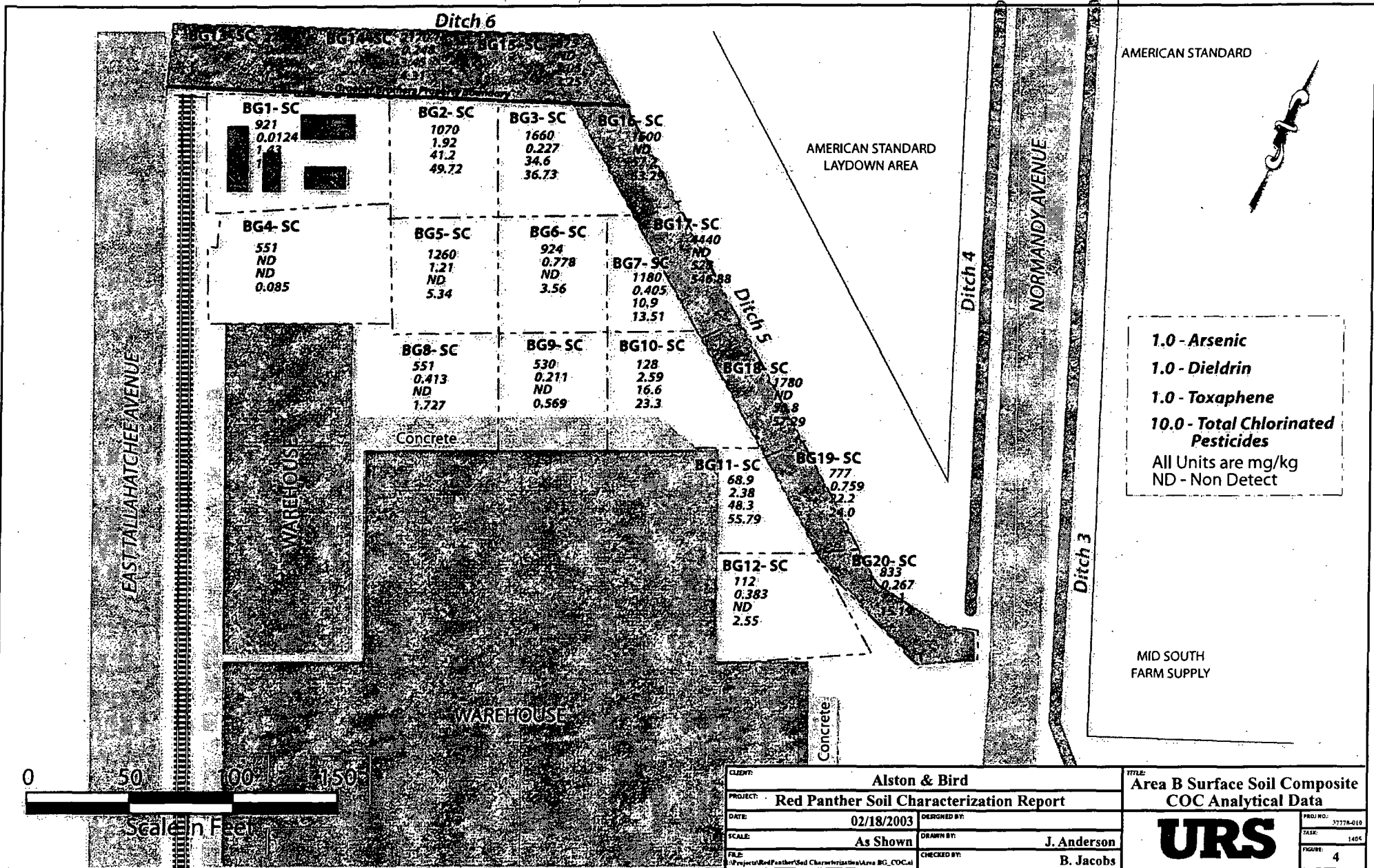
NORMANDY AVENUE

Ditch 3

AMERICAN STANDARD

MID SOUTH FARM SUPPLY





<b>BG1-SC</b> 921 0.0124 1.43 1	<b>BG2-SC</b> 1070 1.92 41.2 49.72	<b>BG3-SC</b> 1660 0.227 34.6 36.73	<b>BG16-SC</b> 1500 ND 27.2 3.78
---	--	---	--

<b>BG4-SC</b> 551 ND ND 0.085	<b>BG5-SC</b> 1260 1.21 ND 5.34	<b>BG6-SC</b> 924 0.778 ND 3.56	<b>BG17-SC</b> 2440 ND 528 546.88
---	---	---	---

<b>BG8-SC</b> 551 0.413 ND 1.727	<b>BG9-SC</b> 530 0.211 ND 0.569	<b>BG10-SC</b> 128 2.59 16.6 23.3	<b>BG18-SC</b> 1780 ND 36.8 57.99
--	--	---	---

<b>BG11-SC</b> 68.9 2.38 48.3 55.79	<b>BG19-SC</b> 777 0.759 22.2 24.0
---	--

<b>BG12-SC</b> 712 0.383 ND 2.55	<b>BG20-SC</b> 833 0.267 1.1 1.1
--	--

AMERICAN STANDARD

AMERICAN STANDARD LAYDOWN AREA

**1.0 - Arsenic**  
**1.0 - Dieldrin**  
**1.0 - Toxaphene**  
**10.0 - Total Chlorinated Pesticides**

All Units are mg/kg  
ND - Non Detect



CLIENT:	Alston & Bird	TITLE:	Area B Surface Soil Composite COC Analytical Data
PROJECT:	Red Panther Soil Characterization Report	PROJ NO.:	3777A-010
DATE:	02/18/2003	TASK:	1405
SCALE:	As Shown	FIGURE:	4
DESIGNED BY:		<b>URS</b>	
DRAWN BY:	J. Anderson		
CHECKED BY:	B. Jacobs		

Ditch 6

Graeber Brothers Property Boundary

AMERICAN STANDARD  
LAYDOWN AREA

Ditch 4

NORMANDY AVENUE

Ditch 5

Ditch 3

EAST TALLAHATCHEE AVENUE

WAREHOUSE

WAREHOUSE

Concrete

Concrete

AMERICAN STANDARD



1.0 - Arsenic  
1.0 - Dieldrin  
1.0 - Toxaphene  
10.0 - Total Chlorinated Pesticides  
All Units are mg/kg  
ND - Non Detect  
\* - Sample Interval Modified

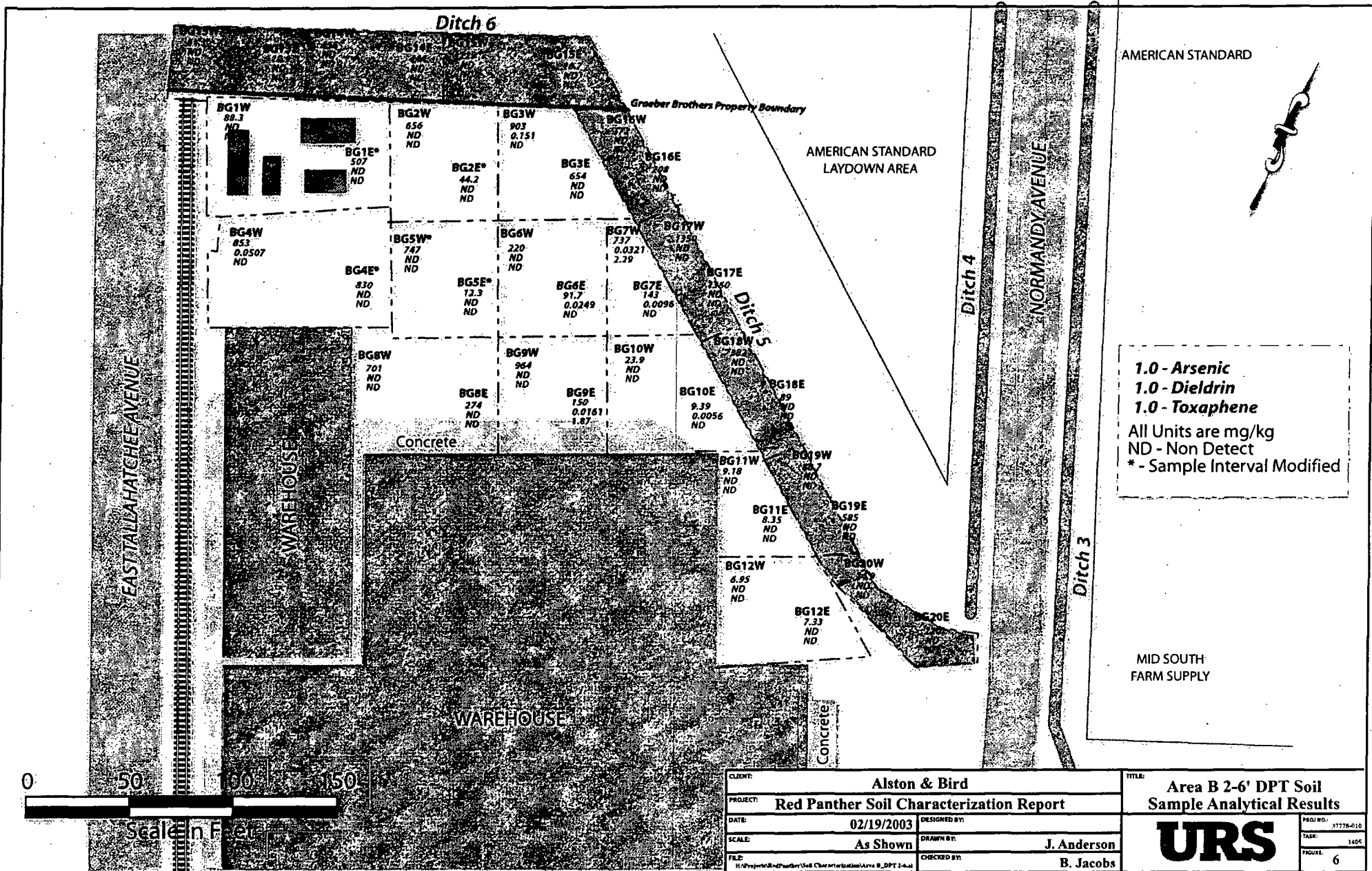
MID SOUTH  
FARM SUPPLY



Scale in Feet

CLIENT:	Alston & Bird	TITLE:	Area B 0-2' DPT Soil Sample COC Analytical Results
PROJECT:	Red Panther Soil Characterization Report	PROJ NO.:	37778-010
DATE:	02/18/2003	DESIGNED BY:	
SCALE:	As Shown	DRAWN BY:	J. Anderson
FILE:	AS\Projects\Red Panther Soil Characterization\Area B_DPT 0-2'	CHECKED BY:	B. Jacobs
		FIGURE:	5

**URS**



Graeber Brothers Property Boundary

AMERICAN STANDARD LAYDOWN AREA

Sample ID	Arsenic	Dieldrin	Toxaphene
BG1W	88.3	ND	ND
BG1E*	507	ND	ND
BG2W	656	ND	ND
BG2E*	44.2	ND	ND
BG3W	903	0.751	ND
BG3E	654	ND	ND
BG16E	773	ND	ND
BG4W	853	0.0507	ND
BG4E*	830	ND	ND
BG5W*	747	ND	ND
BG5E*	13.3	ND	ND
BG6W	220	ND	ND
BG6E	91.7	0.0249	ND
BG7W	737	0.0321	2.39
BG7E	143	0.0096	ND
BG17E	7360	ND	ND
BG8W	701	ND	ND
BG8E	274	ND	ND
BG9W	964	ND	ND
BG9E	159	0.0161	1.87
BG10W	23.9	ND	ND
BG10E	9.39	0.0056	ND
BG11W	9.18	ND	ND
BG11E	8.35	ND	ND
BG12W	4.95	ND	ND
BG12E	7.33	ND	ND
BG19W	43.7	ND	ND
BG19E	585	ND	ND
BG20E	ND	ND	ND

Concrete

WAREHOUSE

WAREHOUSE

Concrete

Ditch 3

Ditch 4

Ditch 5

Ditch 6

EAST TALLAHATCHEE AVENUE

NORMANDY AVENUE

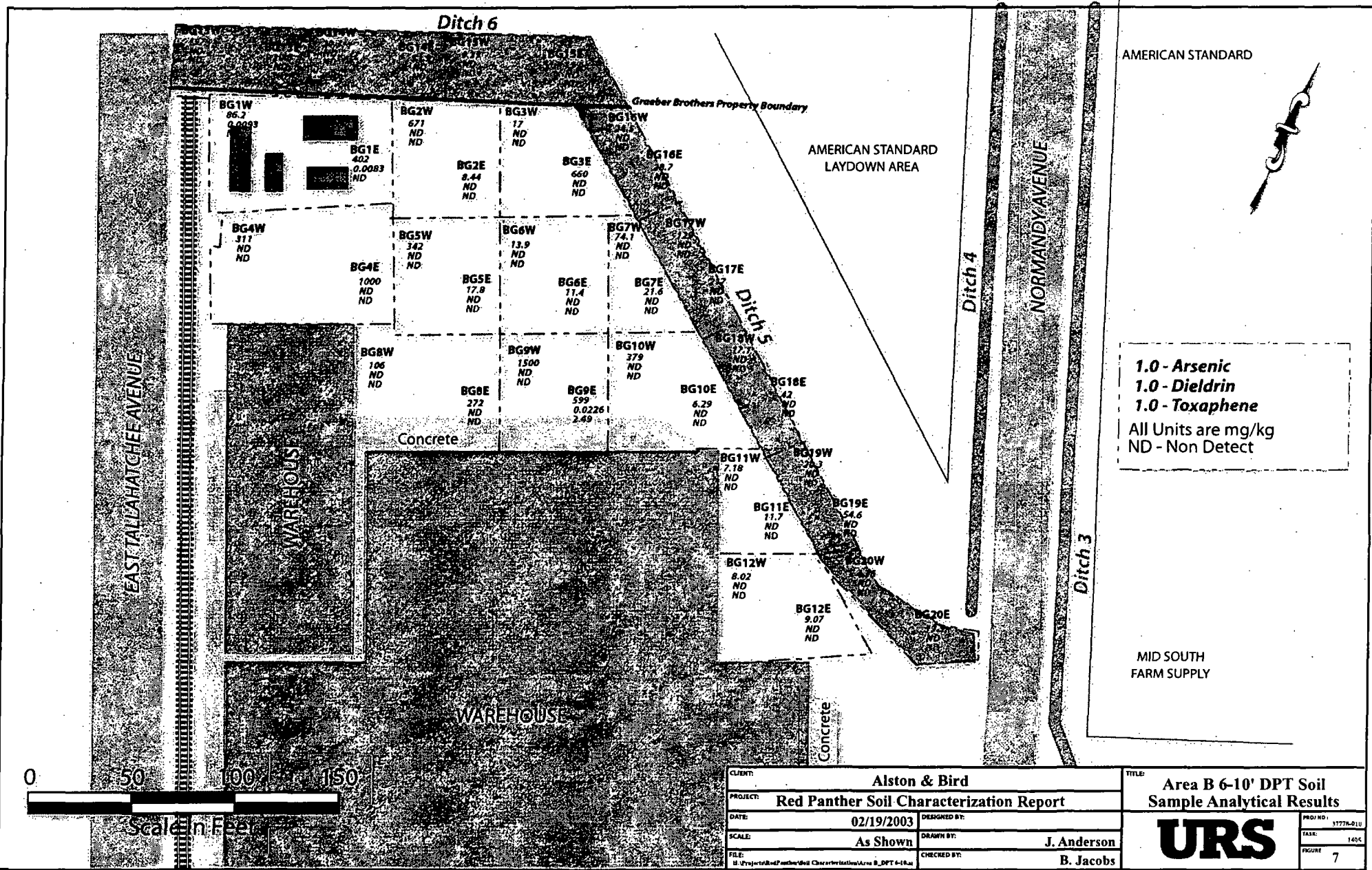
AMERICAN STANDARD

1.0 - Arsenic  
 1.0 - Dieldrin  
 1.0 - Toxaphene  
 All Units are mg/kg  
 ND - Non Detect  
 \* - Sample Interval Modified

MID SOUTH FARM SUPPLY



CLIENT:	Alston & Bird	TITLE:	Area B 2-6' DPT Soil Sample Analytical Results
PROJECT:	Red Panther Soil Characterization Report	PROJ NO:	37778-010
DATE:	02/19/2003	TASK:	1405
SCALE:	As Shown	DRAWN BY:	J. Anderson
FILE:	H:\Projects\Red Panther Soil Characterization\Area B_DPT 1-4.d	CHECKED BY:	B. Jacobs
		FIGURE:	6



AMERICAN STANDARD

AMERICAN STANDARD  
LAYDOWN AREA

1.0 - Arsenic  
1.0 - Dieldrin  
1.0 - Toxaphene  
All Units are mg/kg  
ND - Non Detect

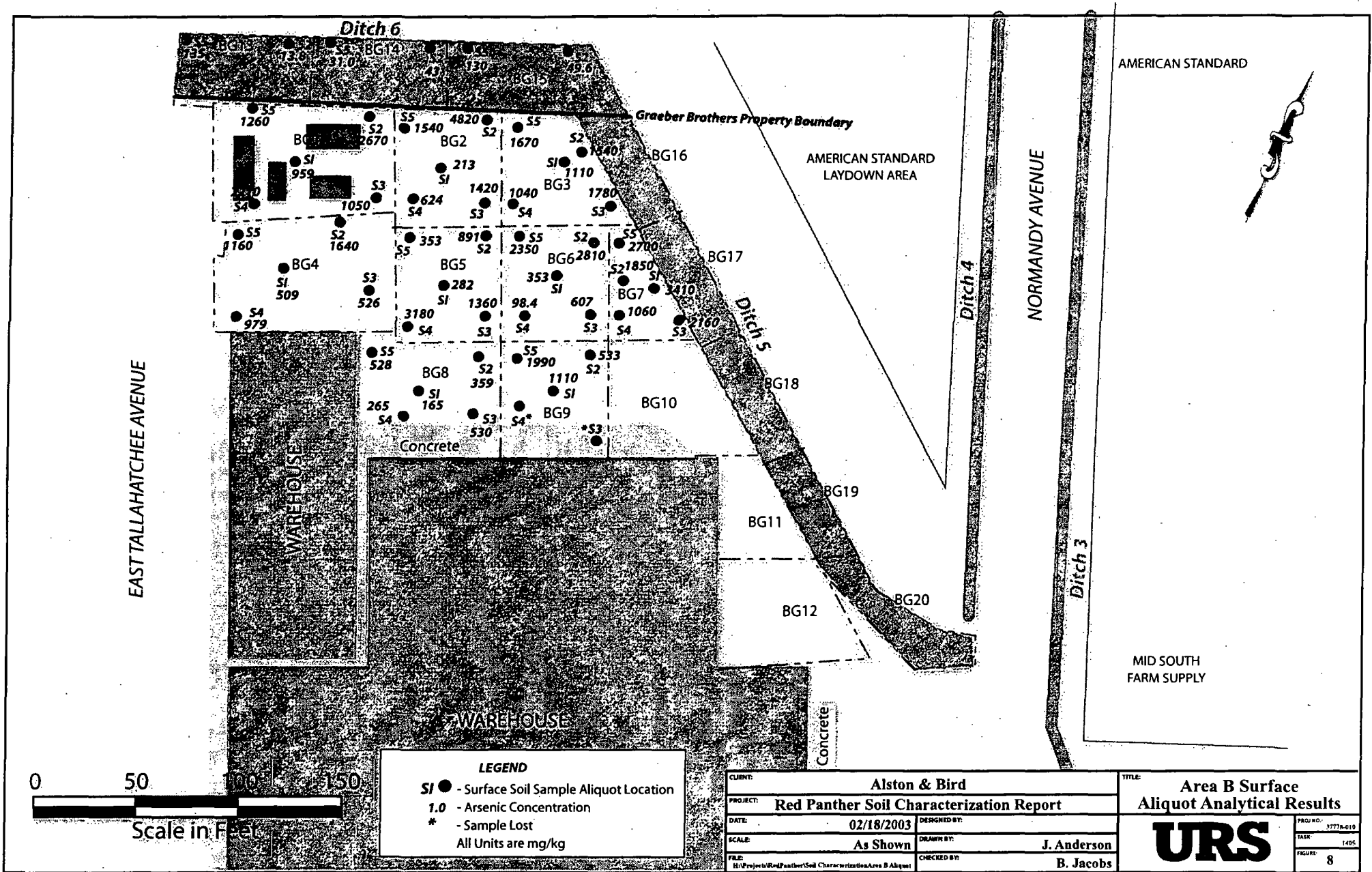
MID SOUTH  
FARM SUPPLY



CLIENT:	Alston & Bird		TITLE:	Area B 6-10' DPT Soil Sample Analytical Results		
PROJECT:	Red Panther Soil Characterization Report				PROJ NO:	3777A-01U
DATE:	02/19/2003	DESIGNED BY:				
SCALE:	As Shown	DRAWN BY:	J. Anderson			
FILE:	G:\Projects\B&B\Area B Soil Characterization\Area B_DPT-6-10.dwg				CHECKED BY:	B. Jacobs
					TASK:	1405
					FIGURE:	7







EAST TALLAHATCHEE AVENUE

WAREHOUSE

WAREHOUSE

Graeber Brothers Property Boundary

AMERICAN STANDARD LAYDOWN AREA

AMERICAN STANDARD

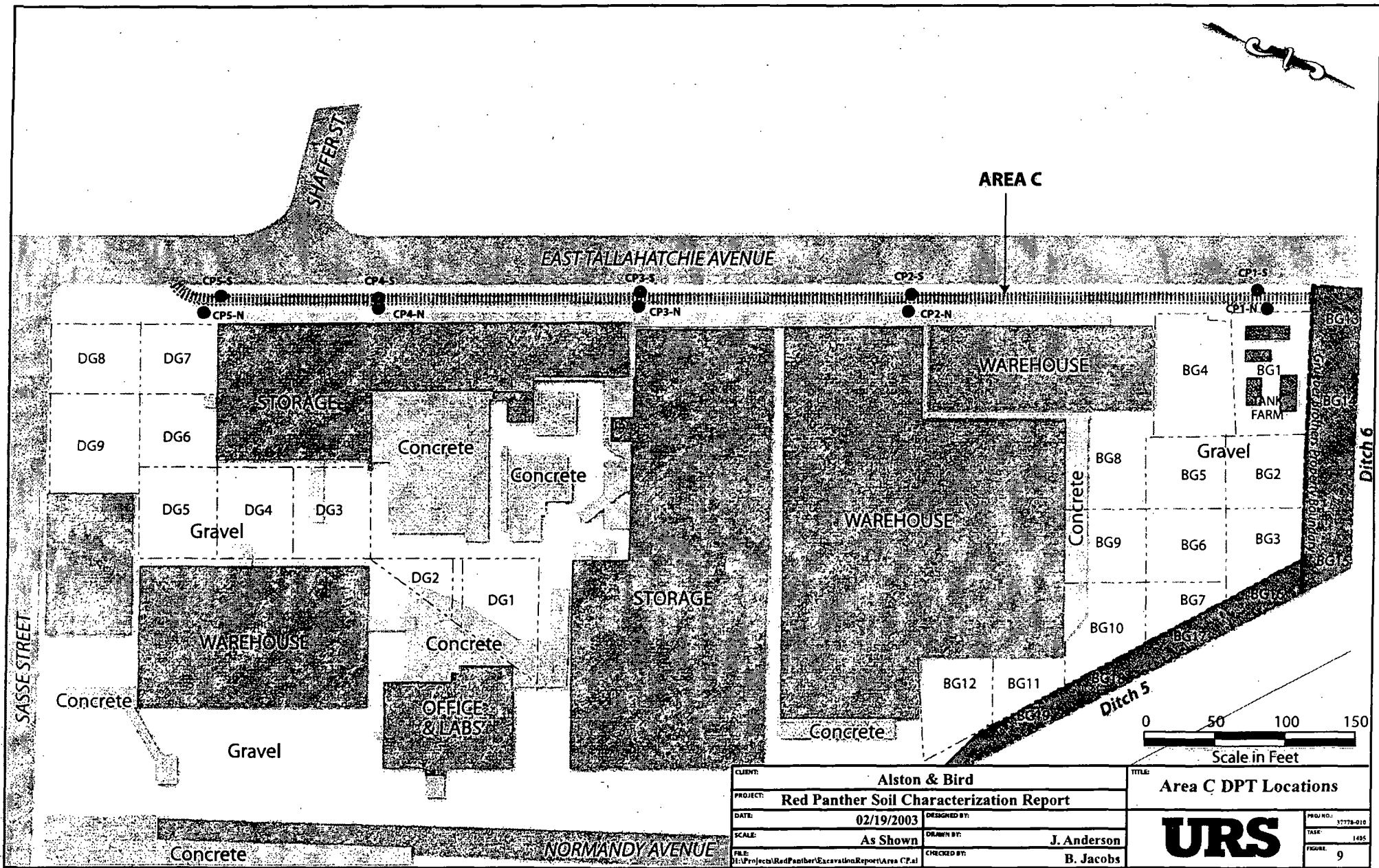
NORMANDY AVENUE

MID SOUTH FARM SUPPLY

**LEGEND**  
 SI ● - Surface Soil Sample Aliquot Location  
 1.0 - Arsenic Concentration  
 \* - Sample Lost  
 All Units are mg/kg



CLIENT: Alston & Bird		TITLE: Area B Surface Aliquot Analytical Results	
PROJECT: Red Panther Soil Characterization Report		PROJ NO: 3777a-019	
DATE: 02/18/2003	DESIGNED BY:	TASK: 1405	FIGURE: 8
SCALE: As Shown	DRAWN BY: J. Anderson	URS	
FILE: H:\Projects\Red Panther\Soil Characterization\Area B Aliquot	CHECKED BY: B. Jacobs		



CLIENT:	Alston & Bird		TITLE:	Area C DPT Locations	
PROJECT:	Red Panther Soil Characterization Report		PROJ NO.:	37778-010	
DATE:	02/19/2003	DESIGNED BY:	TASK:	1485	
SCALE:	As Shown	DRAWN BY:	J. Anderson	FIGURE:	9
FILE:	I:\Project\Red Panther\Excavation\Report\Area C\A1		CHECKED BY:	B. Jacobs	



COC	As	Dieldrin	Toxaphene	Total Chlorinated Pesticides
0-2'	6.65	0.0184	0.508	0.83
2-6'	5.74	0.327	ND	NA
6-10'	4.29	ND	ND	NA

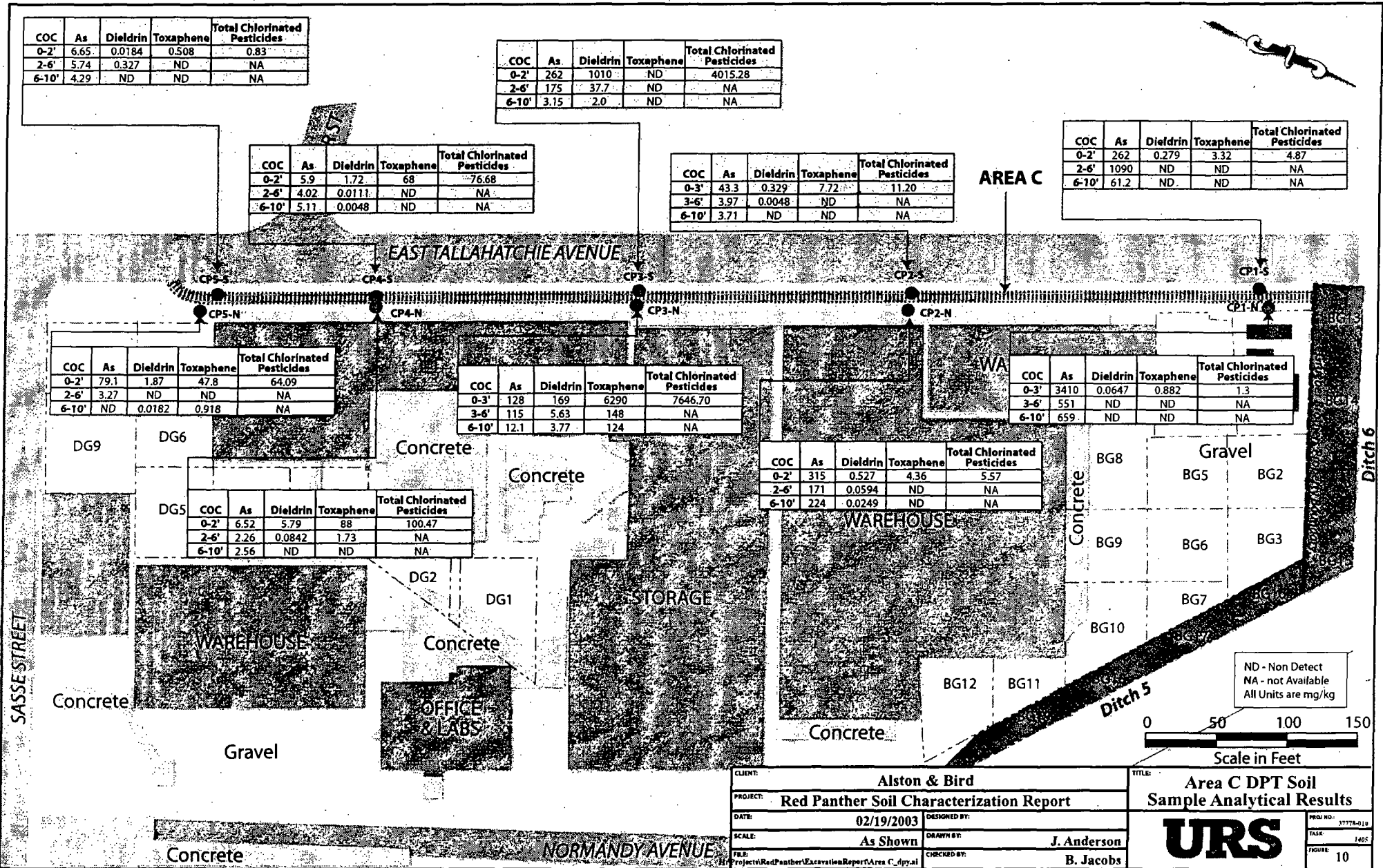
COC	As	Dieldrin	Toxaphene	Total Chlorinated Pesticides
0-2'	262	1010	ND	4015.28
2-6'	175	37.7	ND	NA
6-10'	3.15	2.0	ND	NA

COC	As	Dieldrin	Toxaphene	Total Chlorinated Pesticides
0-2'	5.9	1.72	68	76.68
2-6'	4.02	0.0111	ND	NA
6-10'	5.11	0.0048	ND	NA

COC	As	Dieldrin	Toxaphene	Total Chlorinated Pesticides
0-3'	43.3	0.329	7.72	11.20
3-6'	3.97	0.0048	ND	NA
6-10'	3.71	ND	ND	NA

COC	As	Dieldrin	Toxaphene	Total Chlorinated Pesticides
0-2'	262	0.279	3.32	4.87
2-6'	1090	ND	ND	NA
6-10'	61.2	ND	ND	NA

AREA C

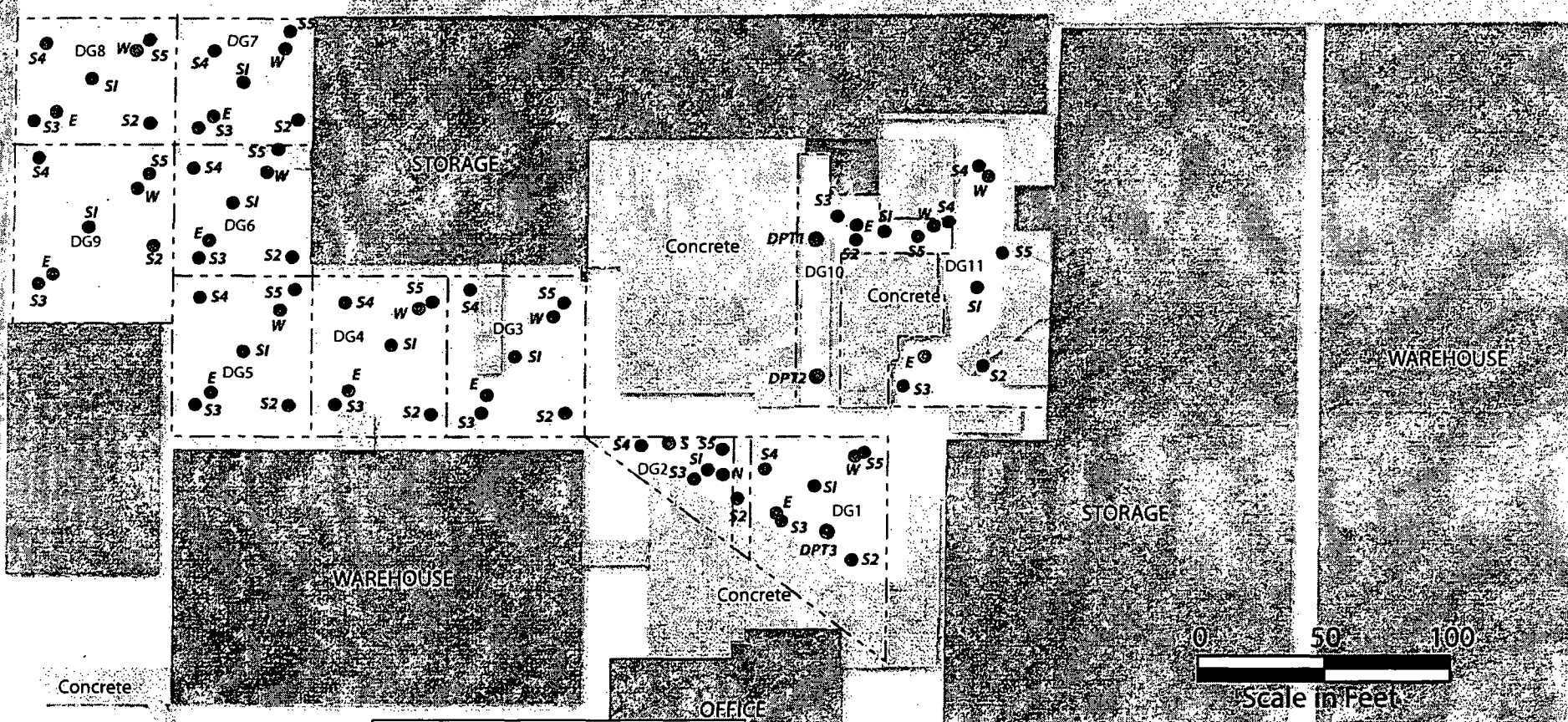


CLIENT:	Alston & Bird		TITLE:	Area C DPT Soil Sample Analytical Results	
PROJECT:	Red Panther Soil Characterization Report		PROJ. NO.:	37778-019	
DATE:	02/19/2003		TASK:	1405	
SCALE:	As Shown		DRAWN BY:	J. Anderson	
FILE:	Project\RedPanther\Excavation\Report\Area C.dwg		CHECKED BY:	B. Jacobs	
			FIGURE:	10	



EAST TALLAHATCHIE AVENUE

SASSE STREET



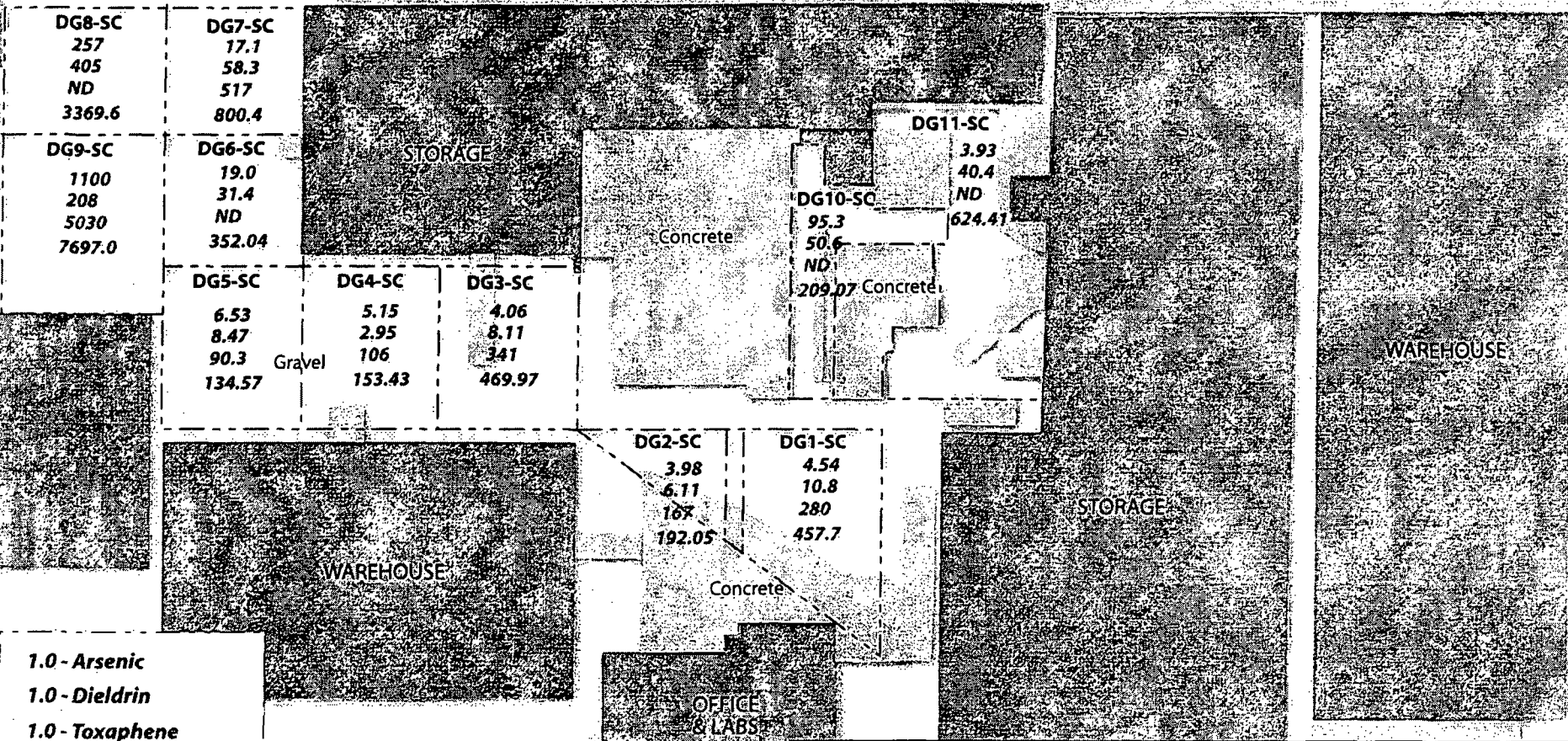
**LEGEND**

- SI ● - Surface Soil Sample Aliquot Location
- E ● - DPT Boring Location
- - DPT for Settling Basin

CLIENT:	Alston & Bird	
PROJECT:	Red Panther Soil Characterization Report	
DATE:	02/19/2003	DESIGNED BY:
SCALE:	As Shown	DRAWN BY: J. Anderson
FILE:	H:\Project\RedPanther\SoilChar\Area D Samp Local	
	CHECKED BY:	B. Jacobs

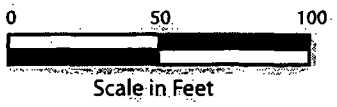
TITLE:	Area D Sampling Locations	
PROJECT NO.:	37778-010	
TASK:	1405	
FIGURE:	11	
<b>URS</b>		

EAST TALLAHATCHIE AVENUE



SASSE STREET

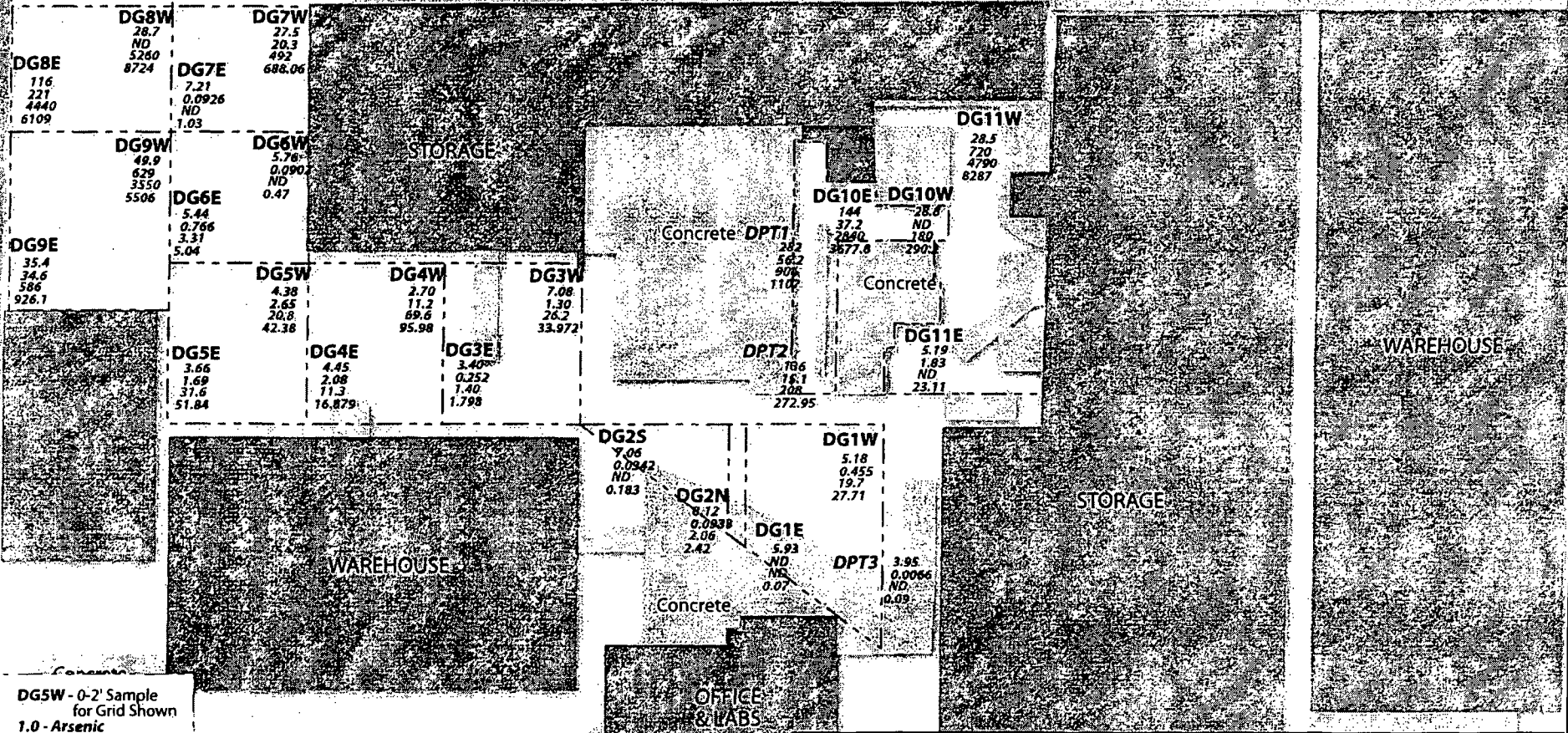
1.0 - Arsenic  
 1.0 - Dieldrin  
 1.0 - Toxaphene  
 10.0 - Total Chlorinated Pesticides  
 All Units are mg/kg



CLIENT:	Alston & Bird		TITLE:	Area D Surface Soil Composite COC Analytical Results		
PROJECT:	Red Panther Soil Characterization Report				PROJ NO:	37778-010
DATE:	02/05/2003	DESIGNED BY:				
SCALE:	As Shown	DRAWN BY:	J. Anderson			
FILE:	H:\Projects\Red Panther\Site Char\Area D\G_coc\Lat		CHECKED BY:	B. Jacobs		
					TASK:	1405
					GROUP:	12

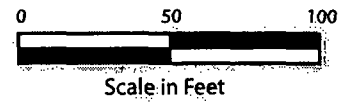


EAST TALLAHATCHIE AVENUE



SASSE STREET

DG5W - 0-2' Sample for Grid Shown  
 1.0 - Arsenic  
 1.0 - Dieldrin  
 1.0 - Toxaphene  
 10.0 - Total Chlorinated Pesticides  
 All Units are mg/kg



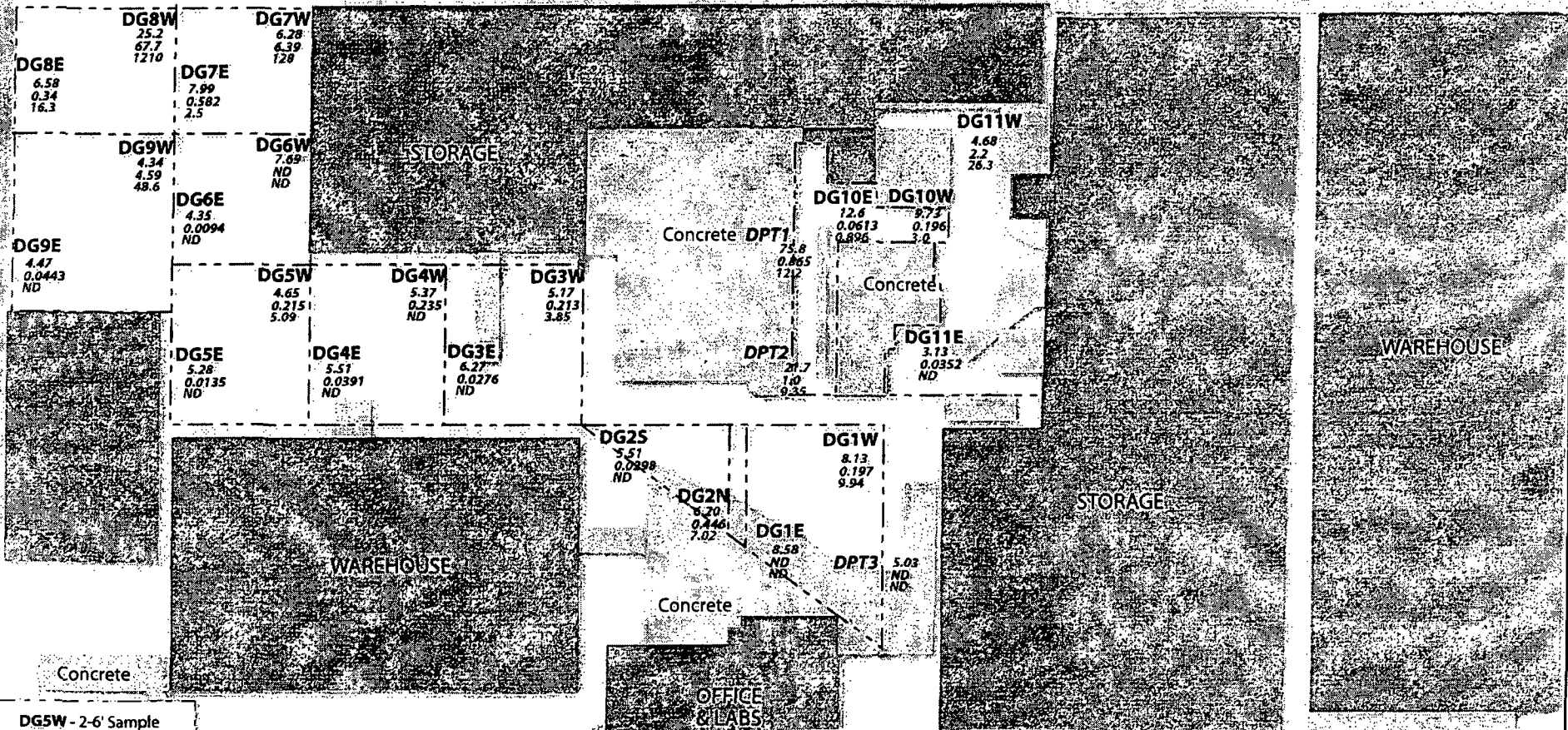
CLIENT:	Alston & Bird	
PROJECT:	Red Panther Soil Characterization Report	
DATE:	02/12/2003	DESIGNED BY:
SCALE:	As Shown	DRAWN BY:
FILE:	H:\Projects\Red Panther\Soil Char\Area D_dpt 0-2.d	
CHECKED BY:	B. Jacobs	

TITLE:	Area D 0-2' DPT Soil Sample Analytical Results	
PROJ NO:	3778-010	
TASK:	1405	
FIGURE:	13	

**URS**

EAST TALLAHATCHIE AVENUE

SASSE STREET

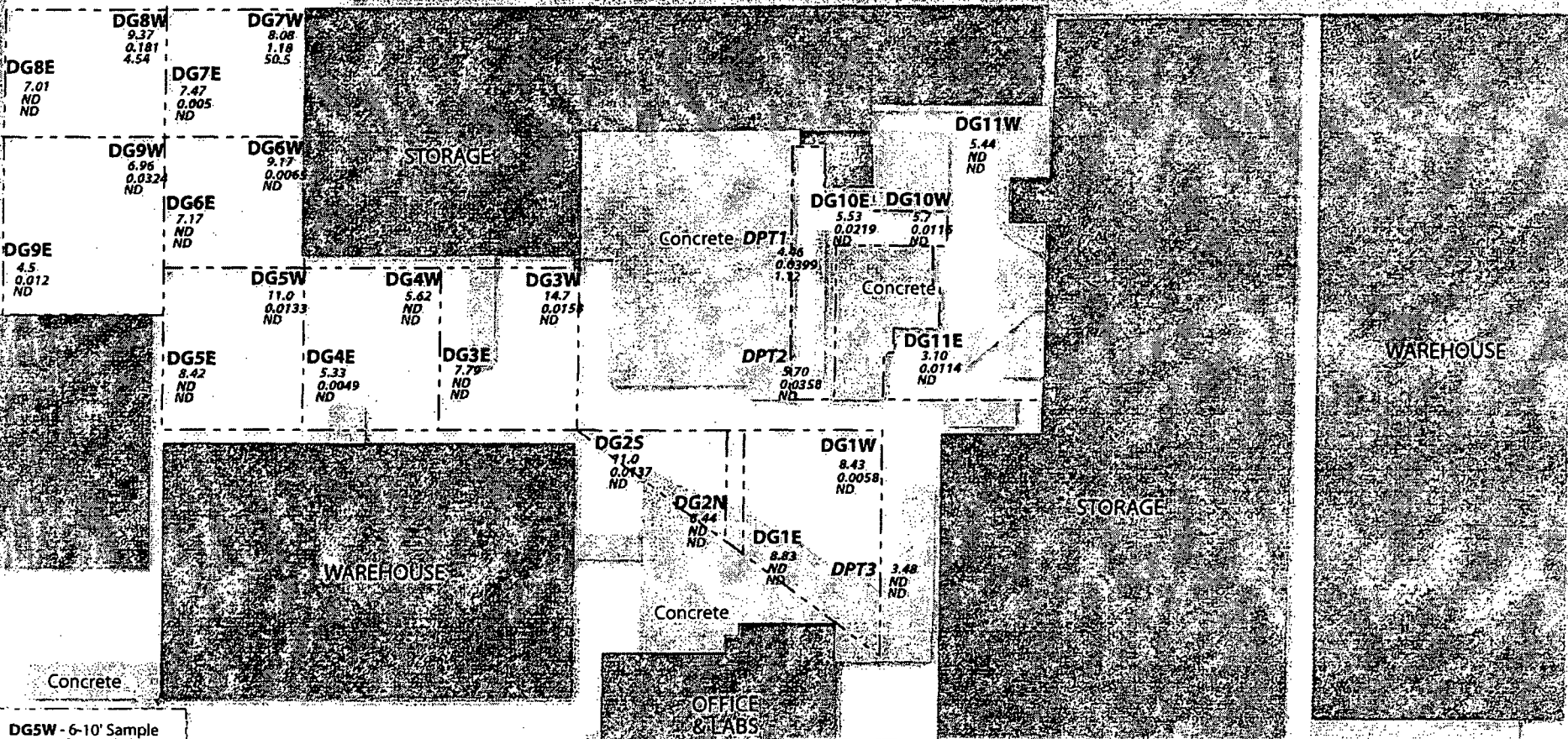


DG5W - 2'-6" Sample for Grid Shown  
 1:0 - Arsenic  
 1:0 - Dieldrin  
 1:0 - Toxaphene  
 All Units are mg/kg



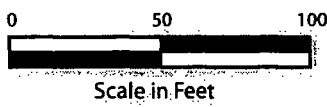
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PROJECT:	Red Panther Soil Characterization Report	PROJ. NO.:	37778-010
DATE:	02/12/2003	TASK:	1405
SCALE:	As Shown	FIGURE:	14
DESIGNED BY:			
DRAWN BY:	J. Anderson		
FILE:	M:\Project\RedPanther\SoilChar\Area D_dpt 2-4.a1	CHECKED BY:	B. Jacobs

EAST TALLAHATCHIE AVENUE



SASSE STREET

DG5W - 6-10' Sample for Grid Shown  
 1.0 - Arsenic  
 1.0 - Dieldrin  
 1.0 - Toxaphene  
 All Units are mg/kg



CLIENT:	Alston & Bird	
PROJECT:	Red Panther Soil Characterization Report	
DATE:	02/12/2003	DESIGNED BY:
SCALE:	As Shown	DRAWN BY: J. Anderson
FILE:	H:\Project\RedPanther\SoilChar\Area D_dpt 6-10a1	
CHECKED BY:	B. Jacobs	

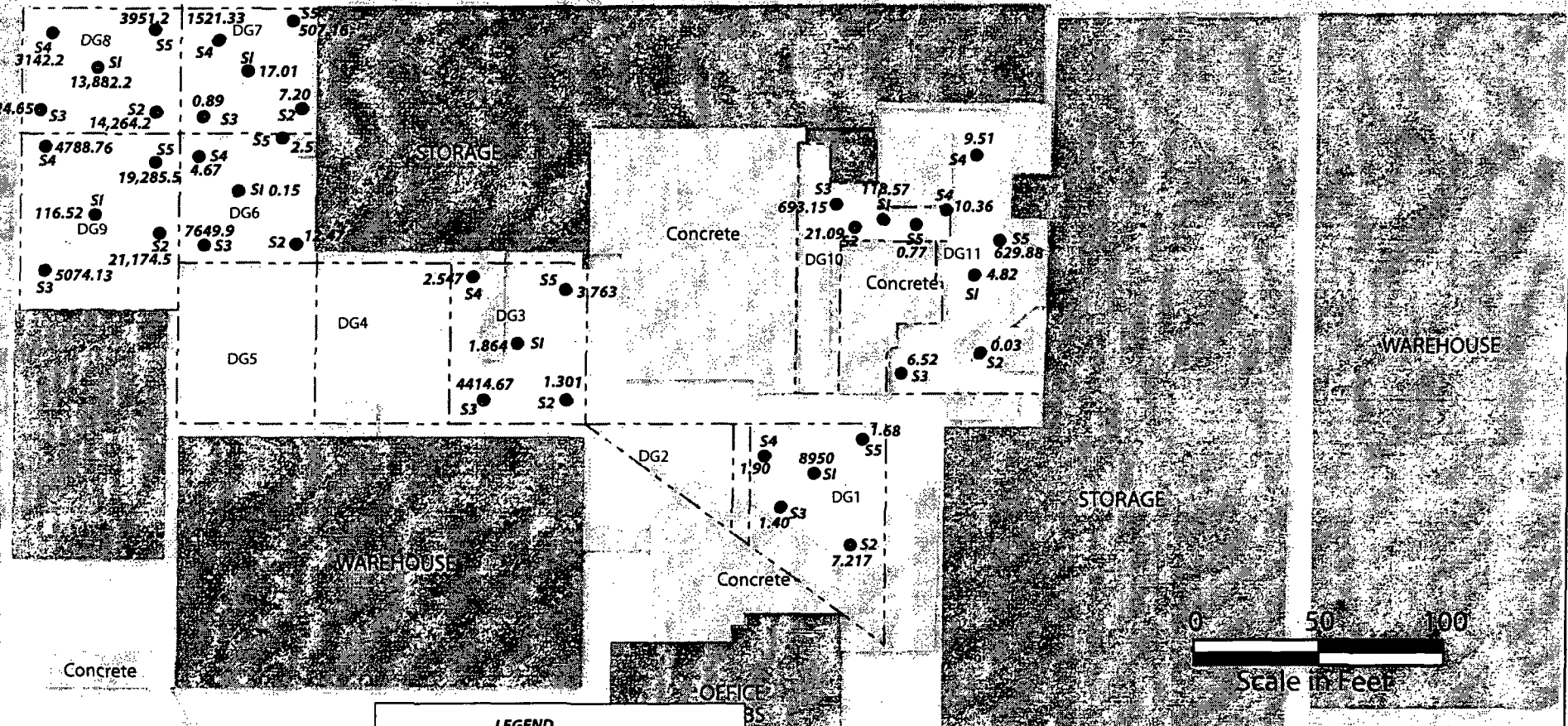
TITLE:	Area D 6-10' DPT Soil Sample Analytical Results	
PROJ NO:	37778-010	
TASK:	1405	
FIGURE:	15	





EAST TALLAHATCHIE AVENUE

SASSE STREET



**LEGEND**  
 SI ● - Surface Soil Sample Aliquot Location  
 1.0 - Total Chlorinated Pesticides  
 All Units are mg/kg

CLIENT:	Alston & Bird	
PROJECT:	Red Panther Soil Characterization Report	
DATE:	02/19/2003	DESIGNED BY:
SCALE:	As Shown	DRAWN BY: J. Anderson
FILE:	H:\Project\Red Panther\Soil Char\Area D Pesticides.d	
	CHECKED BY:	B. Jacobs

TITLE:	Area D Surface Aliquot Arsenic Analytical Data	
PROJ NO:	3177-010	
TASP:	1405	
FIGURE:	16	



**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: BG-1E**





Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE			SAMPLE		Remarks	
Depth - feet	Symbol	Description	Depth/Elev.	Number		Type: Composite
0		Ground Surface	0.0			Cored through 6" slab in tank farm area; ground surface for boring begins beneath slab.
0 - 2'		<b>Fill (0 - 2')</b> Dark brown to dark gray soft clay with some black organic zones. Layer of small (1/4") gravel at 2' bgs. Strong chemical/pesticide odor.		1		
2 - 3'		<b>Sandy Silt (SM-ML)</b> Dark brown and black, fine grained, firm, trace of clay. Product visible at 2.5' bgs, strong odor.	2.0			MS/MSD samples taken at 2'-6' interval.
3 - 3.0'			3.0			
3.0 - 6'		<b>Clay (CL)</b> Olive gray, with silt, soft to firm, moist. Has some product odor.		2		
5 - 5.0'		Grades with orange-brown mottling.	5.0			
6 - 6.5'			6.5			
6.5 - 7'		<b>Fat Clay (CH)</b> Very stiff, high plasticity, dry to moist, gray with orange-brown mottles through center of core. Some odor detected.		3		
7 - 10'						Geo-probe terminated at 10' bgs.
10 - 10.0'			10.0			
11						
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/12/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: BG-10E**




Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE			SAMPLE		Remarks	
Depth - feet	Symbol	Description	Depth/Elev.	Number		Type: Composite
0		Ground Surface	0.0			Surface consists of hard-packed sand and gravel (6"); ground surface for boring begins beneath gravel. Standing water in excavation.
1		<b>Fill (0 - 3')</b> Gray sand with 1/4" angular gravel grading to orange-red sand and rounded (1/2") quartz gravel mix.	1.0	1		
2		Firm dark gray and black clay/silt mix, dry, crumbly, strong pesticide odor.				
3		<b>Clayey Silt (ML)</b> Soft, moist, dark gray, some odor.	3.0			
4				2		
5						
6		<b>Fat Clay (CH)</b> Stiff, medium to high plasticity, mottled gray and orange-brown, moist, no detectable odor.	5.5			
7		Water at 6' bgs.				
8		Grades stiffer, very high plasticity, water on side of core.	8.0	3		
9						
10			10.0			Geo-probe terminated at 10' bgs.
11						
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/06/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028

**Log of Borehole: BG-10W**

**Project:** Red Panther

**Client:** Alston and Bird

**Location:** Clarksdale, MS

**Enclosure:** 1

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface consists of hard-packed sand and gravel (6"); ground surface for boring begins beneath gravel. Standing water in excavation.
0.5		<b>Fill (0 - 3')</b> Orange-red sand with angular (1/4") gravel.	0.5	1		
1		Firm dark gray and black clay/silt mix, no detectable odor.				MS/MSD samples taken at 2-6' interval.
2						
3						
3		<b>Silty Clay (CL-ML)</b> Firm, dry to moist, dark gray with some orange-brown, medium plasticity, no odor.	3.0	2		Note: strong odor detected in stiff clay layer at 9' bgs.
4						
5		Grades soft, moist, slight pesticide odor. Water encountered at 6' bgs.	5.0			
6						Geo-probe terminated at 10' bgs.
7						
8		<b>Fat Clay (CH)</b> Very stiff, high plasticity, mottled gray and orange-brown, moist, slight odor.	7.0	3		
8		Grades stiffer, very high plasticity, water on side of core.	8.0			
9		Strong pesticide odor.				
10			10.0			
11						
12						

**Drilled By:** W. L. Burle

**Drill Method:** Geo-Probe

**Drill Date:** 12/06/02

**Hole Size:** 2"

**Datum:** Local

**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: BG-11E**

Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface consists of hard-packed sand and gravel (6"); ground surface for boring begins beneath gravel.
0.5		<b>Fill (0 - 2')</b> Orange-red sand with gray gravel (1/2").	0.5	1		
1		Firm dark gray and black silt with fine sand mix, dry, crumbly, slight odor.				
2		<b>Clayey Silt (ML)</b> Firm, dry, gray and orange-brown.	2.0			
3		<b>Silty Clay (CL-ML)</b> Soft, moist, increased clay content, grades more brown, medium plasticity, slight odor.	3.0			
4				2		
5						
6		<b>Fat Clay (CH)</b> Very stiff, high plasticity, mottled gray and orange-brown, dry to moist, no odor.	6.0			
7						
8				3		
9		Zone of soft, wet, sticky silty clay, grayish brown, no odor.	8.5			
			9.0			
10			10.0			Geo-probe terminated at 10' bgs.
11						
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/06/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028 **Log of Borehole: BG-11W**






**Project:** Red Panther

**Client:** Alston and Bird

**Location:** Clarksdale, MS

**Enclosure:** 1

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface consists of 6" layer of hard-packed sand and gravel (#57 stone); ground surface for boring begins beneath gravel.
0 - 1.5		<b>Fill (0 - 1.5')</b> Dark brown sand with small gravel (1/4") grading to orange-red sand and gravel mix.	0.0	1		
1.5 - 3.0		<b>Silty Sand (SM)</b> Firm, dark gray, very fine grained, trace of clay, dry, crumbly, slight odor.	1.5			
3.0 - 5.5		<b>Clayey Silt (ML)</b> Moist, soft, mottled gray and brown, slight odor.	3.0	2		
5.5 - 7.5		<b>Fat Clay (CH)</b> Stiff, high plasticity, mottled gray and orange-brown (speckled), dry to moist, slight odor.	5.5			
7.5 - 10.0		Grades very stiff, gray with brown mottles, slight odor.	7.5	3		
10.0			10.0			
11						
12						

**Drilled By:** W. L. Burie

**Drill Method:** Geo-Probe

**Drill Date:** 12/06/02

**Hole Size:** 2"

**Datum:** Local

**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: BG-12E**

Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface consists of 6" layer of hard-packed sand and gravel (#57 stone); ground surface for boring begins beneath gravel.
0.5		<b>Fill (0 - 1.5')</b> Brown and dark gray clay/silt with gravel.	0.5	1		
1		Gravel grades out; dark gray/black clayey silt, dry, crumbly, no odor.	1.5			
2		<b>Silty Clay (CL-ML)</b> Firm, moist, dark gray grading to lighter gray, medium plasticity.	2.5	2		
3		Gray grades out, mottled brown and orange-brown, firm. Becomes soft at 3.5' bgs, no odor.	3.5			
4			4.5			
5			5.5			
7		<b>Fat Clay (CH)</b> Stiff, high plasticity, mottled gray, brown and orange-brown, no odor.	7.0	3		
8		Grades very stiff, gray with orange-brown mottles, small dark brown spots, no odor.	8.0			
9			9.0			
10			10.0			Geo-probe terminated at 10' bgs.
11						
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/10/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: BG-12W**





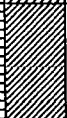


Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE			SAMPLE		Remarks	
Depth - feet	Symbol	Description	Depth/Elev.	Number		Type: Composite
0		Ground Surface	0.0			Surface consists of 6" layer of hard-packed sand and gravel (#57 stone); ground surface for boring begins beneath gravel.
0 - 1		<b>Fill (0 - 1')</b> Brown fine silty sand with large gravel (3/4" to 1").	1.0	1		
1 - 2		<b>Silt (ML)</b> Dark gray to black, dry, crumbly, trace of clay.	2.0			MS/MSD samples taken at 2-6' interval.
2 - 3.5		Grades gray, dry to moist, firm, increased clay content, low plasticity.	3.5	2		
3.5 - 6		<b>Silty Clay (CL-ML)</b> Soft, moist, mottled brown and gray, medium plasticity.	6.0			Geo-probe terminated at 10' bgs.
6 - 7		<b>Fat Clay (CH)</b> Stiff, high plasticity, mottled gray and orange-brown, some dark brown organic spots.	8.0	3		
7 - 8		Grades very stiff, gray with orange-brown mottles, no odor or staining.	10.0			
8 - 10						
10 - 11						
11 - 12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/10/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1



**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: BG-13E**

Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE			SAMPLE		Remarks	
Depth - feet	Symbol	Description	Depth/Elev.	Number		Type: Composite
0		Ground Surface	0.0			Surface consists of grass and topsoil (center of drainage ditch).          Geo-probe terminated at 10' bgs.
0		<b>Fill (0 - 2')</b> Topsoil	0.5	1		
1		Light brown clay/silt mix grading to dark gray/black, with organics.				
2		<b>Silty Clay (CL-ML)</b> Orange-brown/light brown/gray, moist, fairly soft, no odor.	2.0	2		
3						
4						
5				3		
6						
7		<b>Clay (CL)</b> Gray, soft to firm, moist, no odor or staining.	6.5			
8		Grades very stiff, some brown mottling.	8.0			
9						
10			10.0			
11						
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/03/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**URS**  
**URS Corporation**  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028

**Log of Borehole: BG-13W**

**Project:** Red Panther

**Client:** Alston and Bird

**Location:** Clarksdale, MS

**Enclosure:** 1

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE			SAMPLE		Remarks	
Depth - feet	Symbol	Description	Depth/Elev.	Number		Type: Composite
0		Ground Surface	0.0			Surface consists of grass and topsoil (center of drainage ditch).          No recovery from 8 - 10' bgs.  Geo-probe terminated at 10' bgs.
0 - 2'		<b>Fill (0 - 2')</b> Topsoil	0.0			
1		Gray silt with very fine sand, gravel to 1' bgs.	0.8	1		
2		<b>Clayey Silt (ML)</b> Firm, dry, brown, no odor.	2.0			
3		Grades soft, moist.	3.0			
4				2		
5		<b>Clay (CL)</b> Soft, moist, mottled gray and orange-brown, no odor or staining.	5.0			
6						
7				3		
8						
8 - 10'		<b>Fat Clay (CH)</b> Grades very stiff, with high plasticity; encountered perched water at 8' bgs.	8.0			
10			10.0			
11						
12						

**Drilled By:** W. L. Burle

**Drill Method:** Geo-Probe

**Drill Date:** 12/03/02

**Hole Size:** 2"

**Datum:** Local

**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028

**Log of Borehole: BG-14E**


**Project:** Red Panther

**Client:** Alston and Bird

**Location:** Clarksdale, MS

**Enclosure:** 1

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface consists of erosion mat covering drainage ditch.
		<b>Fill (0 - 1.5')</b> Topsoil	0.5	1		
1		Dark gray very fine sandy silt with organics.				
		<b>Clay (CL)</b> Firm, orange-brown and gray.	1.5			
2		<b>Silty Clay (CL-ML)</b> Gray/brown/orange-brown, moist, soft, no odor.	2.0	2		
3						
4						
5		<b>Fat Clay (CH)</b> Mottled gray and brown, very stiff, high plasticity, no odor or staining.	4.5	3		
6		Perched water at approximately 6' bgs.	6.0			
7						
8				9.0		
9		Grades slightly softer.				
10			10.0		Geo-probe terminated at 10' bgs.	
11						
12						

**Drilled By:** W. L. Burle

**Drill Method:** Geo-Probe

**Drill Date:** 12/03/02

**Hole Size:** 2"

**Datum:** Local

**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028  
**Project:** Red Panther  
**Client:** Alston and Bird  
**Location:** Clarksdale, MS

**Log of Borehole: BG-14W**

**Enclosure:** 1  
**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface consists of grass and topsoil (center of drainage ditch).
0.5		<b>Fill (0 - 2)</b> Topsoil	0.5	1		
1		Dark gray silt, trace of clay, with organics.				
2		<b>Silty Clay (CL-ML)</b> Gray/brown/orange-brown, moist, soft, no odor.	2.0	2		
3						
4						
5						
6		Perched water at approximately 6' bgs.	6.0			
7		<b>Fat Clay (CH)</b> Mottled gray and reddish brown, stiff, high plasticity, no odor or staining.	6.5			
8				3		
9		Grades very stiff, gray with brown mottling.	8.5			
10			10.0			Geo-probe terminated at 10' bgs.
11						
12						

**Drilled By:** W. L. Burle

**Drill Method:** Geo-Probe

**Drill Date:** 12/03/02

**Hole Size:** 2"

**Datum:** Local

**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028 **Log of Borehole: BG-15E**

**Project:** Red Panther  
**Client:** Alston and Bird  
**Location:** Clarksdale, MS

**Enclosure:** 1  
**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface consists of erosion mat covering drainage ditch.
0		<b>Fill (0 - 3')</b> Topsoil	0.3	1		
1		Dark gray/black fine sandy silt, organics, asphalt pieces, rock fragments.				
2		Layer of tan-white waxy substance, slight odor.	2.5	2		
3		<b>Silty Clay (CL-ML)</b> Mottled gray and orange-brown, moist, soft, slight odor.	3.0			
4		<b>Fat Clay (CH)</b> Mottled gray and orange-brown, very stiff, high plasticity, no odor or staining.	4.0	3		
5		Perched water at approximately 6' bgs.	6.0			
6						Geo-probe terminated at 10' bgs.
7						
8						
9						
10			10.0			
11						
12						

**Drilled By:** W. L. Burle  
**Drill Method:** Geo-Probe  
**Drill Date:** 12/03/02

**Hole Size:** 2"  
**Datum:** Local  
**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028 **Log of Borehole: BG-15W**

Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface consists of erosion mat covering drainage ditch.
		<b>Fill (0 - 2')</b> Topsoil	0.5	1		
1		Dark gray silt/clay, organics, brick pieces, gravel.	1.5			
2		Layer of tan-white waxy substance, slight odor.	2.0			
		<b>Silty Clay (CL-ML)</b> Mottled gray and brown, moist, soft, slight odor.		2		
3						
4				3		
		<b>Fat Clay (CH)</b> Mottled gray and orange-brown, stiff, medium plasticity, no odor or staining.	4.5			
5						
6		Perched water at approximately 6' bgs.	6.0			
7						
		Grades very stiff, gray and brown, high plasticity.	7.0			
8						
9						
10			10.0			
11						Geo-probe terminated at 10' bgs.
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/03/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: BG-16E**

Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface consists of erosion mat covering drainage ditch.
		<b>Fill (0 - 1')</b> Grass, topsoil, organics.	0.3			
1		Dark gray/black fine very fine sandy silt, no odor or staining.	1.0	1		
2		<b>Silty Clay (CL-ML)</b> Mottled gray and brown, moist, very soft, medium plasticity, no odor.				
3						
4		Grades firm.	3.5	2		
5		<b>Fat Clay (CH)</b> Mottled gray and orange-brown, very stiff, high plasticity, moist, no odor or staining. Perched water at 5' bgs.	5.0			
6						
7						
8				3		
9						
10			10.0			Geo-probe terminated at 10' bgs.
11						
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/03/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: BG-16W**

Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface				Surface consists of erosion mat covering drainage ditch.
0		<b>Fill (0 - 2')</b> Topsoil, organics, gravel.	0.0			
0.3			0.3			
1		3" to 1.5', black, slick silt/clay mixture, some odor.		1		
1.5		1.5' to 2' bgs, tan-white waxy substance dispersed in soil, slight odor.	1.5			
2			2.0			
2		<b>Clayey Silt (ML)</b> Gray/light brown, dry to moist, soft, slight plasticity.				
3						
4				2		
5			5.0			
5		<b>Fat Clay (CH)</b> Mottled gray and orange-brown, very stiff, high plasticity, no odor or staining. Perched water at 5' bgs.				
6						
7						
8				3		
9						
10			10.0			Geo-probe terminated at 10' bgs.
11						
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/03/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1



**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028 **Log of Borehole: BG-17E**




**Project:** Red Panther

**Client:** Alston and Bird

**Location:** Clarksdale, MS

**Enclosure:** 1

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface consists of erosion mat covering drainage ditch (soil saturated from previous rains).
0 - 1		<b>Fill (0 - 1')</b> Grass, topsoil followed by dark gray/dark brown clayey silt.	1.0	1		
1 - 2		<b>Silty Clay (CL-ML)</b> Dark grayish brown with some orange-brown mottling, moist, soft, no odor.	2.0			
2 - 3		Grades lighter gray and brown, soft to firm, moist, sticky, no odor.	3.0			
3 - 4			4.0	2		
4 - 5			4.5			
5 - 6		<b>Fat Clay (CH)</b> Mottled gray and brown, some dark brown spotting, very stiff, high plasticity.	6.0			
6 - 7		Pesticide odor detected at 6' bgs.	7.0			
7 - 8			8.0	3		
8 - 10		Very stiff, mottled gray and orange-brown, pesticide odor. Water present on outside of core from 8 - 10' bgs.	10.0			
10			10.0			Geo-probe terminated at 10' bgs.
11						
12						

**Drilled By:** W. L. Burle  
**Drill Method:** Geo-Probe  
**Drill Date:** 12/09/02

**Hole Size:** 2"  
**Datum:** Local  
**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: BG-17W**

Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface consists of erosion mat covering drainage ditch (soil saturated from previous rains).
0 - 1		<b>Fill (0 - 1')</b> Topsoil - dark gray silt with organics.				
1		<b>Clayey Silt (ML)</b> Brown, moist, soft, no odor or staining.	1.0	1		Duplicate field sample taken at 2 - 6' interval (BG Dup 04).
2						
3		<b>Silty Clay (CL-ML)</b> Grades with gray mottling, increased clay content, moist, soft, no odor.	3.0	2		
4						
5		<b>Fat Clay (CH)</b> Perched water at 5' bgs. Mottled gray, brown and orange-brown, some dark brown spotting, very stiff, high plasticity, no odor or staining.	5.0			
6						
7						
8		Dark brown grades out, smear of black ash-type substance on core, no detectable odor.	7.5	3		
8		Water present on outside of core from 8 - 10' bgs.	8.0			
9						
10			10.0			Geo-probe terminated at 10' bgs.
11						
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/09/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: BG-18E**

Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface consists of erosion mat covering drainage ditch (soil saturated from previous rains).
0 - 1		<b>Fill (0 - 1')</b> Grass, topsoil followed by dark gray/dark brown clayey silt.	1.0	1		
1 - 2		<b>Silty Clay (CL-ML)</b> Brown/orange-brown, some gray, firm, no odor.	2.5			
2 - 3		Grades soft, 2.5' - 3.5' bgs.	3.0			
3 - 4			4.0	2		
4 - 5		Dark brown/dark gray layer, possibly organic, no pesticide odor.	5.0			
5 - 6		<b>Fat Clay (CH)</b> Mottled gray and brown, some orange-brown, very stiff, high plasticity.	6.0			
6 - 7		Grades mostly dark gray, with some orange-brown mottling. Dark brown spot on core at 6.5' bgs.	7.0			
7 - 8		Grades very stiff, mottled gray and orange-brown, slight odor. Water present on outside of core from 8 - 10' bgs.	8.0	3		
8 - 10			10.0			
10						Geo-probe terminated at 10' bgs.
11						
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/09/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: BG-18W**

Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface consists of erosion mat covering drainage ditch (soil saturated from previous rains).  MS/MSD samples taken in 2 - 6' interval.          Geo-probe terminated at 10' bgs.
0 - 1		<b>Fill (0 - 1')</b> Grass; topsoil followed by dark gray clayey silt, dry to moist.	1.0	1		
1 - 2		<b>Silty Clay (CL-ML)</b> Dark gray and brown, firm, medium plasticity, no odor or staining.	2.5			
2 - 3		Grades soft, moist, mottled gray and orange-brown.				
3 - 4				2		
4 - 5			4.5			
5 - 6		<b>Fat Clay (CH)</b> Mottled gray and brown, very stiff, high plasticity, no odor.				
6 - 7		Grades gray with orange-brown mottles, slight odor.	6.5			
7 - 8				3		
8 - 10		Grades very stiff, lighter brown, slight odor. Water present on outside of core from 8 - 10' bgs.	8.0			
10			10.0			
11						
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/09/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: BG-19E**

Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface				Surface consists of erosion mat covering drainage ditch (soil saturated from previous rains).
0		Grass, topsoil.	0.0			
0.3		<b>Silt (ML)</b> Dark gray/black, firm, dry, crumbly, some organics, increasing clay content.	0.3	1		
1		<b>Silty Clay (CL-ML)</b> Dark brown/orange-brown, moist, firm, no odor or staining.	1.0			
2						
3		Grades soft, dark gray/brown/orange-brown.	3.0			
4				2		
4.5		<b>Fat Clay (CH)</b> Mottled gray and orange-brown, some dark brown organic veins, stiff, high plasticity, no odor.	4.5			
6			6.0			
7		Grades with increased stiffness, moist, sticky, very high plasticity, no odor.				
8				3		
9						
10			10.0			Geo-probe terminated at 10' bgs.
11						
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/10/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028 **Log of Borehole: BG-19W**

**Project:** Red Panther

**Client:** Alston and Bird

**Location:** Clarksdale, MS

**Enclosure:** 1

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface				Surface consists of erosion mat covering drainage ditch (soil saturated from previous rains).
0		Grass, topsoil.	0.0			
1		<b>Silt (ML)</b> Brown, firm, with clay, dry to moist.	0.5	1		
2						
2.5		Grades soft, moist, increased clay content, no odor.	2.5			
3			3.0			
4		<b>Silty Clay (CL-ML)</b> Gray/orange-brown, moist, no odor or staining.		2		
5			4.5			
5.5		<b>Fat Clay (CH)</b> Mottled gray and orange-brown, stiff, high plasticity, no odor.	5.5			
6		Grades with dark brown mottles.				
7						
8			8.0	3		
9		Very stiff, dark brown grades out, no odor. Water present on outside of core from 8 - 10' bgs.				
10			10.0			Geo-probe terminated at 10' bgs.
11						
12						

**Drilled By:** W. L. Burle

**Drill Method:** Geo-Probe

**Drill Date:** 12/09/02

**Hole Size:** 2"

**Datum:** Local

**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028

**Log of Borehole: BG-1W**

**Project:** Red Panther

**Client:** Alston and Bird

**Location:** Clarksdale, MS

**Enclosure:** 1

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Cored through 6" slab in tank farm area; ground surface for boring begins beneath slab.  White paint - type staining at 16" to 20" bgs. Some odor.          Geo-probe terminated at 10' bgs.
0		<b>Fill</b> 1/2" river gravel mixed with sand and clay.	0.6	1		
1		<b>Silty Clay (CL-ML)</b> Greenish gray, soft, moist. Has some product odor. Grades dark gray/black, firm, dry at 1.5' bgs.	2.0			
2		<b>Clayey Silt Layer (ML)</b> Greenish gray, dry to moist, firm.	3.0			
3		<b>Silty Clay (CL-ML)</b> Olive gray to dark gray, soft, moist, medium plasticity.	6.4	2		
4			7.0			
5		Begins to grade firm, with brown mottling.	8.5			
6		<b>Fat Clay (CH)</b> Very stiff, high plasticity, dry to moist, mottled dark gray and orange-brown. Slight odor.	10.0	3		
7						
8		Water on side of core, grades with increasing brown, slight odor.				
9						
10						
11						
12						

**Drilled By:** W. L. Burle

**Drill Method:** Geo-Probe

**Drill Date:** 12/16/02

**Hole Size:** 2"

**Datum:** Local

**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: BG-20E**







Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface is gravel drive area.
0 - 2.5'		<b>Fill (0 - 2.5')</b> Dark gray/dark brown clay/silt mix, firm, dry, some discoloration at surface.	1.0	1		
2 - 2.5'		Grades with reddish orange, firm, dry, increasing clay content.	2.0			
2.5 - 3.0'		Zone of dark gray organic coloring.	2.5			Duplicate field sample taken at 0 - 2' interval. (BG Dup 05)
3.0 - 5.0'		<b>Silty Clay (CL-ML)</b> Brown with orange-brown mottles, moist, soft, no odor or staining.	5.0	2		
5.0 - 8.0'		<b>Fat Clay (CH)</b> Mottled gray and orange-brown, some dark brown spotting, very stiff, high plasticity, sticky, no odor.	8.0	3		
8.0 - 10.0'		Grades with increased stiffness, moist, sticky, very high plasticity, no odor.				
8.5 - 9.0'		Void in core containing water at 8.5 to 9' bgs.				
10.0			10.0			Geo-probe terminated at 10' bgs.
11						
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/10/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1



**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: BG-20W**












Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE			SAMPLE		Remarks	
Depth - feet	Symbol	Description	Depth/Elev.	Number		Type: Composite
0		Ground Surface				Surface is gravel drive area.
0		<b>Fill (0 - 1)</b> Gravel and sand (drive area).	0.0			
1		<b>Silty Clay (CL-ML)</b> Brown/orange-brown, dry to moist, firm.	1.0	1		
2		Grades soft, moist, light brown mottled with orange-brown, some dark brown, no odor.	2.0			
3						
4				2		
5		<b>Fat Clay (CH)</b> Mottled gray and orange-brown, high plasticity, dark brown spotting through 10' bgs, stiff, sticky, no odor.	4.5			
6			6.0			
7		Grades with increased stiffness, moist, sticky, very high plasticity, no odor.				
8		Small void (1/4") in center of core containing water at 7.5 to 8' bgs.		3		
9						
10			10.0			Geo-probe terminated at 10' bgs.
11						
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/10/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028

**Log of Borehole: BG-2E**

**Project:** Red Panther

**Client:** Alston and Bird

**Location:** Clarksdale, MS

**Enclosure:** 1

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface consists of hard-packed sand and gravel; ground surface for boring begins beneath gravel.  Changed sample interval to 0-3.5' at approximate end of fill layer.
0 - 3.5'		<b>Fill (0 - 3.5')</b> Topsoil mixed with gravel, underlain by a layer of orange-brown sand.	0.0	1		
1		6" layer of white, dry powdery substance, strong pesticide odor.	1.5			
2		Black organic material mixed with dark gray clayey silt.	2.0			
3			3.5	2		
3.5 - 6.5'		<b>Silty Clay (CL-ML)</b> Mottled dark gray and brown, soft, moist. Has some product odor.	3.5			
4			6.5			
6.5 - 8.5'		<b>Fat Clay (CH)</b> Stiff, high plasticity, dry to moist, mottled gray and brown. Slight odor. Water at 7.5' bgs.	6.5	3		
7		Water on side of core, grades very stiff, slight odor.	8.5			
8.5 - 10'			10.0			
10						
11						
12						

**Drilled By:** W. L. Burle

**Drill Method:** Geo-Probe

**Drill Date:** 12/05/02

**Hole Size:** 2"

**Datum:** Local

**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: BG-2W**

Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface consists of hard-packed sand and gravel; ground surface for boring begins beneath gravel.
0 - 2.5		<b>Fill (0 - 2.5')</b> Topsoil, sampled as dark gray very fine sandy silt mixed with organic material. Note - some discoloration observed near surface.		1		
2.5		<b>Silty Clay (CL-ML)</b> Gray with some brown mottling, soft, moist. Detect product odor at 3.5' - 4' bgs.	2.5	2		
5.5		Grades stiffer, increasing brown coloring.	5.5			
6.0		<b>Fat Clay (CH)</b> Stiff, moist, mottled gray and brown. Strong odor. Water at 7' to 7.5' bgs.	6.0	3		
9.0		Water on side of core, grades very stiff, strong odor.	9.0			
10.0			10.0			
11						
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/05/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: BG-3E**





Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface				Surface consists of hard-packed sand and gravel; ground surface for boring begins beneath gravel.
0		<b>Fill (0 - 2')</b> Orange-red quartz gravel and sand mix.	0.0			
1		Dark gray and black silt mixed with organic material. Some odor detected.	0.5	1		
2		<b>Clayey Silt (ML)</b> Soft, moist, light brown mottled with some gray. Some odor.	2.0			
3						
4				2		
5		Wet at 5' bgs.	5.0			
6		<b>Fat Clay (CH)</b> Stiff, high plasticity, silt grades out, mottled gray and brown. Some odor.	5.5			
7						
8		Grades very stiff, little odor, water on outside of core.	8.0	3		
9						
10			10.0			
11						
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/05/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: BG-3W**

Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface				Surface consists of hard-packed sand and gravel; ground surface for boring begins beneath gravel.
0		<b>Fill (0 - 2.5')</b> Orange-brown quartz gravel and sand mix.	0.0			
1		Dark gray and black silt mixed with organic material. Note - some powder residue observed throughout core. Strong odor.	0.5	1		Duplicate field sample taken at 0 - 2' interval (BG Dup 02)
2		4" layer of off-white waxy substance.	2.5			
3		<b>Clayey Silt (ML)</b> Wet, dark gray and dark brown. Strong pesticide odor.	3.0	2		
5		<b>Fat Clay (CH)</b> Stiff, high plasticity, moist, mottled gray and brown. Strong odor.	5.0			Geo-probe terminated at 10' bgs.
7		Grades very stiff, less odor.	7.5	3		
9		Zone of soft, wet silt/clay mix with small (1/4") gravel.	9.0			
9			9.5			
10			10.0			
11						
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/05/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: BG-4E**

Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface				
0		<b>Fill (0 - 2.5')</b> Dark brown and black gravel and sand mix, some clay.	0.0			Cored through 6" slab in tank farm area; ground surface for boring begins beneath slab.
1		Firm dark brown/dark gray clayey silt, dry.	0.5	1		
2						
3		<b>Silty Clay (CL-ML)</b> Soft, moist, brown/gray/dark gray. Slight odor.	2.5			Changed first sample interval to 0 - 3' due to poor recovery.
4		Grades olive-gray, soft, moist.	3.5	2		
5		Grades with small gravel (1/4")	5.0			
6		<b>Fat Clay (CH)</b> Firm, high plasticity, gray with orange-brown mottling. Slight odor.	5.5			
7						
8		Grades very stiff, little odor, water on outside of core.	8.0	3		
9						
10			10.0			Geo-probe terminated at 10' bgs.
11						
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/16/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: BG-4W**

Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Cored through 6" slab in tank farm area; ground surface for boring begins beneath slab.
0 to 1		<b>Clay (CL)</b> Dark brown and olive-gray, very firm, strong odor.	0.0	1		
1 to 2		<b>Sandy Silt (ML)</b> Very fine grained, olive-gray, moist.	1.5			
2 to 3		<b>Silty Clay (CL-ML)</b> Brownish gray, firm, slight odor.	2.0	2		
3 to 4		Grades dark olive-gray, soft, moist.	2.5			
4 to 5		Grades with orange-brown mottling, soft, some odor.	3.5			
5 to 7						
7 to 8		<b>Fat Clay (CH)</b> Very stiff, gray with dark orange-brown mottling. No odor.	7.0	3		
8 to 10		Grades with a few white sandy stringers, no odor.	8.0			
10			10.0			
11						
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/12/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028

**Log of Borehole: BG-5E**

**Project:** Red Panther

**Client:** Alston and Bird

**Location:** Clarksdale, MS

**Enclosure:** 1

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface consists of 6" layer of hard-packed sand and gravel ; ground surface for boring begins beneath gravel. Standing water in excavation.  Changed first sample interval to 0 - 2.5' (possible buried product). Field duplicate taken (BG Dup 02).  No recovery from 4 - 6' bgs.
1		<b>Fill (0 - 3')</b> 10" layer of light brown silty sand, moist, slight odor.	0.8	1		
2		Layer of organics (wood chunks) mixed with black silt/clay	2.0			
3		4" layer of white powder mixed into soil, very strong pesticide odor.	2.5			
4		<b>Silty Clay (CL-ML)</b> Firm, dark gray to black, dry to moist, some odor. Grades soft, mottled brown and gray.	3.0	2		
5			4.0			
6						
7		Grades firm.	7.0	3		
8		<b>Fat Clay (CH)</b> Very stiff, mottled dark gray and brown, moist, high plasticity.	7.5			
9						
10			10.0			Geo-probe terminated at 10' bgs.
11						
12						

**Drilled By:** W. L. Burle

**Drill Method:** Geo-Probe

**Drill Date:** 12/05/02

**Hole Size:** 2"

**Datum:** Local

**Sheet:** 1 of 1



**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028 **Log of Borehole: BG-5W**

**Project:** Red Panther

**Client:** Alston and Bird

**Location:** Clarksdale, MS

**Enclosure:** 1

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface consists of hard-packed sand and gravel (approximately 6"); ground surface for boring begins beneath gravel.
0.5		<b>Fill (0 - 3')</b> Orange-brown sand.	0.5	1		
1		Peat material (charred wood) mixed with black clay/silt, firm, dry.				
2		3" gravel layer (1/2" diameter), very strong odor.	2.5			
3		<b>Silty Clay (CL-ML)</b> Firm, light brown and gray, very strong odor.	3.0	2		Changed first sample interval to 0 - 3.5', where fill layer ends (possible buried product).
4						
5		Very soft, moist zone	5.5			
6		Grades stiffer, strong odor, wet at 7' bgs.	6.0	3		Note: strong pesticide odor throughout core, no visible staining.
7		<b>Fat Clay (CH)</b> Very stiff, high plasticity, mottled gray and brown, moist, strong odor.	7.0			
8						
9						Geo-probe terminated at 10' bgs.
10			10.0			
11						
12						

**Drilled By:** W. L. Burle

**Drill Method:** Geo-Probe

**Drill Date:** 12/16/02

**Hole Size:** 2"

**Datum:** Local

**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: BG-6E**

Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface consists of 6" layer of hard-packed sand and gravel ; ground surface for boring begins beneath gravel. Standing water in excavation.
0.5		<b>Fill (0 - 2.5')</b> 6" layer of orange-red sand and gravel mix.	0.5	1		
1		Firm dark gray and black silt mixed with peat, dry, crumbly.				MS/MSD samples taken at 2'-6' interval.
2						
2.5		<b>Clayey Silt (ML)</b> Soft, dry to moist, gray mottled with orange-brown, no detectable odor.	2.5	2		
3						
4						
5		Grades wet (perched water).	5.0			
5.5		<b>Fat Clay (CH)</b> Very stiff, high plasticity, mottled gray and brown, moist, no detectable odor.	5.5			
6						
7						
8		Grades stiffer, water on side of core.	8.0	3		
9						
10			10.0			
11						Geo-probe terminated at 10' bgs.
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/05/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: BG-6W**

Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface consists of hard-packed sand and gravel (6"); ground surface for boring begins beneath gravel. Standing water in excavation.
1		<b>Fill (0 - 2.5')</b> 3-4" layer of orange-brown silty sand, moist, strong odor.	0.5	1		
2		Organic material mixed with dark gray and black clay/silt, moist, strong odor.				Duplicate field sample taken at 2'-6' interval (BG dup 01).
3		<b>Silty Clay (CL-ML)</b> Soft, moist, mottled greenish gray and orange-brown, very strong odor.	2.5	2		
4						Sample interval changed to 6 - 9' bgs due to poor recovery.
6		Grades with increasing clay content, silt begins to grade out.	6.0			
7		<b>Fat Clay (CH)</b> Stiff, high plasticity, mottled dark gray and brown, moist, some odor.	7.0	3		No recovery from 9-10', water in tube.
8						
9						Geo-probe terminated at 10' bgs.
10			10.0			
11						
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/05/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: BG-7E**






Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE			SAMPLE		Remarks	
Depth - feet	Symbol	Description	Depth/Elev.	Number		Type: Composite
0		Ground Surface	0.0			Surface consists of hard-packed sand and gravel (6"); ground surface for boring begins beneath gravel.
0 - 2.5		<b>Fill (0 - 2.5')</b> Light gray sand with small gravel, grades to orange sand/gravel mix, strong pesticide odor.	0.0	1		
2		Firm dark gray silt, some clay, dry, crumbly.	1.5			Duplicate field sample taken at 2-6' interval (BG Dup 03).
2.5 - 5.0		<b>Silty Clay (CL-ML)</b> Soft, moist, brown/gray/dark gray. Slight odor.	2.5	2		
5.0 - 8.0		<b>Fat Clay (CH)</b> Stiff, high plasticity, mottled gray, orange-brown, and dark gray. No odor.	5.0			Geo-probe terminated at 10' bgs.
8.0 - 10.0		Grades very stiff, no odor, gray with some brown mottling.	8.0	3		
10			10.0			
11						
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/06/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028

**Log of Borehole: BG-7W**


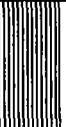

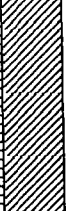
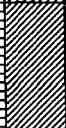

**Project:** Red Panther

**Client:** Alston and Bird

**Location:** Clarksdale, MS

**Enclosure:** 1

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks	
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite		
0		Ground Surface				Surface consists of hard-packed sand and gravel (6"); ground surface for boring begins beneath gravel.	
0 - 1.5		<b>Fill (0 - 1.5')</b> Gray sand and gravel, strong pesticide odor.	0.0	1			
1.5 - 2		<b>Clayey Silt (ML)</b> Brownish gray, dry, crumbly, pesticide odor.	1.5				
2 - 3		<b>Silty Clay (CL-ML)</b> Soft, moist, increased clay content, gray with brown mottles.	3.0	2			
3 - 6.5		<b>Fat Clay (CH)</b> Stiff, high plasticity, mottled gray and orange-brown, slight odor.	6.5				
6.5 - 8.0		Grades very stiff, slight odor, gray and brown mottling. Water on core at 8 - 10' bgs.	8.0	3			
8.0 - 10							
10			10.0				Geo-probe terminated at 10' bgs.
11							
12							

**Drilled By:** W. L. Burle

**Drill Method:** Geo-Probe

**Drill Date:** 12/06/02

**Hole Size:** 2"

**Datum:** Local

**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: BG-8E**

Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface consists of hard-packed sand and gravel underlain by a buried slab (1' bgs); ground surface for boring begins beneath slab.
0 - 2.5		<b>Fill (0 - 2.5')</b> Brown silty clay (6" layer), grading greenish gray, soft, moist (6" layer), grading dark gray/black, firm, dry, strong chemical odor.		1		
2.5 - 5.5		<b>Clay (CL)</b> Firm, moist to wet, sticky, olive-gray with orange-brown mottles, strong odor. Medium plasticity, trace of silt.	2.5	2		
5.5 - 7.0		Grades to lighter gray, grades stiffer.	5.5			
7.0 - 8.0		<b>Fat Clay (CH)</b> Very stiff, high plasticity, mottled gray and orange-brown (spotting), some odor.	7.0	3		
8.0 - 10.0		Water on core at 8 - 10' bgs.	8.0			
10.0			10.0			
11						
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/12/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: BG-8W**

Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface consists of hard-packed sand and gravel underlain by a buried slab (1' bgs); ground surface for boring begins beneath slab.
0 - 1.0		<b>Fill (0 - 1.0')</b> Dark gray/dark brown very fine sandy silt, firm, dry, strong pesticide odor.	1.0	1		
1 - 2.0		<b>Silty Clay (CL-ML)</b> Soft, moist, olive-gray/ brown, strong odor. Grades mottled gray and orange-brown, moist, soft, medium plasticity, strong odor.	2.0			Duplicate field sample taken at 0-2' interval (BG Dup 06).
3.5 - 4.0		Dark gray organic layer at 3.5 - 4' bgs.	3.5			
4.0 - 5.0		Silty clay, same as above	4.0	2		
5.0 - 7.0		<b>Fat Clay (CH)</b> Stiff, high plasticity, mottled gray and orange-brown, some dark brown spotting, strong odor.	5.0			
7.0 - 7.5		3" band of bluish gray stiff clay with dark gray spotting, strong odor.	7.0			
7.5 - 8.0		Grades very stiff, strong odor, gray and brown mottling. Water on core at 8 - 10' bgs.	7.5			
8.0 - 10.0			8.0	3		
10.0			10.0			Geo-probe terminated at 10' bgs.

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/12/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: BG-9E**













Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE			SAMPLE		Remarks	
Depth - feet	Symbol	Description	Depth/Elev.	Number		Type: Composite
0		Ground Surface	0.0			Surface consists of hard-packed sand and gravel underlain by a buried slab (6" bgs); ground surface for boring begins beneath slab.  No recovery from 3.5 to 4' bgs.  Geo-probe terminated at 10' bgs.
0 - 1.5		<b>Fill (0 - 1.5')</b> 6" layer of olive gray soft, moist silty clay grading to firm dark gray /dark brown clay/silt mixture.	0.0	1		
1.5 - 2		<b>Silty Clay (CL-ML)</b> Very soft, moist to wet, medium plasticity mottled dark gray and brown, strong odor.	1.5	2		
2 - 3.5						
3.5 - 4						
4 - 5.5		Grades mottled gray and orange-brown, very soft, wet, strong odor.	4.0	2		
5.5 - 6		Grades with dark brown/black organic stringer.	5.5			
6 - 6.5			6.0			
6.5 - 8		<b>Fat Clay (CH)</b> Very stiff, very high plasticity, mottled gray orange-brown, strong odor.	6.5			
8 - 10		Water on core at 8 - 10' bgs.	8.0	3		
10			10.0			
11						
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/12/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1



**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028

**Log of Borehole: BG-9W**

**Project:** Red Panther

**Client:** Alston and Bird

**Location:** Clarksdale, MS

**Enclosure:** 1

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface				Surface consists of hard-packed sand and gravel underlain by a buried slab (6" bgs); ground surface for boring begins beneath slab.
0		<b>Fill (0 - 2.5')</b> 6" layer of orange sand and gravel.	0.0			
1		Grades dark brown/black very fine sandy silt, firm, dry, very strong pesticide odor, some product evident.	0.5	1		Note - extremely strong pesticide odor through 4' bgs. Odor present throughout core to 10' bgs.
2		Layer of organic/peat material.	2.0			
3		<b>Clayey Silt (ML)</b> Firm, dark gray/dark brown, dry to moist, low plasticity, very strong odor.	2.5			
4		<b>Silty Clay (CL-ML)</b> Soft, moist, mottled dark olive-gray and orange-brown, strong odor.	3.5	2		
5						Geo-probe terminated at 10' bgs.
6		<b>Fat Clay (CH)</b> Very stiff, very high plasticity, dark gray/bluish gray with orange mottles, strong odor.	6.0			
8		Water on core at 8 - 10' bgs.	8.0	3		
10			10.0			
11						
12						

**Drilled By:** W. L. Burle

**Drill Method:** Geo-Probe

**Drill Date:** 12/12/02

**Hole Size:** 2"

**Datum:** Local

**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028

**Log of Borehole: PDB-01**



**Project:** Red Panther

**Client:** Alston and Bird

**Location:** Clarksdale, MS

**Enclosure:** 1

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface				Product Delineation Borings in grids BG-14, 15, and 16. Surface is grass.  Note: no product visible, no samples taken.  Geo-probe terminated at 4' bgs.
0		Grass and topsoil.	0.0			
1		<b>Clayey Silt (ML)</b> Dark gray/black, firm, dry, with organics.	0.5			
2		<b>Lean Clay (CL)</b> Brown, gray and orange-brown, soft to semi-firm. No visible product, no detectable odor.	2.0			
4			4.0			
5						
6						
7						
8						
9						
10						
11						
12						

**Drilled By:** W. L. Burle

**Drill Method:** Geo-Probe

**Drill Date:** 12/17/02

**Hole Size:** 2"

**Datum:** Local

**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028

**Log of Borehole: PDB-02**



**Project:** Red Panther

**Client:** Alston and Bird

**Location:** Clarksdale, MS

**Enclosure:** 1

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE			SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	
0		Ground Surface			
0		Grass and topsoil.	0.0		
1		<b>Clayey Silt (ML)</b> Dark gray/black, firm, dry, with organics.	0.5		
2		<b>Lean Clay (CL)</b> Mottled brown, gray and orange-brown, soft to semi-firm, medium plasticity. No visible product, no detectable odor.	1.5		
4			4.0		
5					
6					
7					
8					
9					
10					
11					
12					

Product Delineation Borings in grids BG-14, 15, and 16. Surface is grass.

Note: no product visible, no samples taken.

Geo-probe terminated at 4' bgs.

**Drilled By:** W. L. Burle

**Drill Method:** Geo-Probe

**Drill Date:** 12/17/02

**Hole Size:** 2"

**Datum:** Local

**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028

**Log of Borehole: PDB-03**

**Project:** Red Panther

**Client:** Alston and Bird

**Location:** Clarksdale, MS

**Enclosure:** 1

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE			SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	
0		Ground Surface	0.0		
0		Grass and topsoil.	0.5		
1		<b>Clayey Silt (ML)</b> Dark brown, firm, dry.	1.0		
2		<b>Lean Clay (CL)</b> Mottled brown and dark gray, with silt, soft to semi-firm, medium plasticity.	2.0		
3		Grades firm, mottled gray/brown/orange. No visible product, no detectable odor.			
4			4.0		
5					
6					
7					
8					
9					
10					
11					
12					

Product Delineation Borings in grids BG-14, 15, and 16. Surface is grass.

Note: no product visible, no samples taken.

Geo-probe terminated at 4' bgs.

**Drilled By:** W. L. Burle

**Drill Method:** Geo-Probe

**Drill Date:** 12/17/02

**Hole Size:** 2"

**Datum:** Local

**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: PDB-04**

Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE			SAMPLE		Remarks	
Depth - feet	Symbol	Description	Depth/Elev.	Number		Type: Composite
0		Ground Surface				Product Delineation Borings in grids BG-14, 15, and 16. Surface is grass.  Note: no product visible, no samples taken.  Geo-probe terminated at 4' bgs.
0		Grass and topsoil.	0.0			
0.3			0.3			
1		Clayey Silt (ML) Dark brown, firm, dry.	1.0			
1		Lean Clay (CL) Mottled brown/gray/orange, firm, moist, medium plasticity. No visible product, no detectable odor.				
2						
3						
4			4.0			
5						
6						
7						
8						
9						
10						
11						
12						

Drilled By: W. L. Burle

Hole Size: 2"

Drill Method: Geo-Probe




Datum: Local

Drill Date: 12/17/02

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028 **Log of Borehole: PDB-05**  
**Project:** Red Panther  
**Client:** Alston and Bird  
**Location:** Clarksdale, MS  
**Enclosure:** 1  
**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE			SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	
0		Ground Surface			
0		Grass and topsoil, organic material.	0.0		
0.3			0.3		
1		<b>Silt (ML)</b> Dark gray, firm, dry.			
2		6" fine sand layer; brown/gray.	2.0		
2.5			2.5		
3		<b>Silty Clay (CL-ML)</b> Mottled gray and orange-brown, soft, moist, medium plasticity. No visible product, no detectable odor.			
4			4.0		
5					
6					
7					
8					
9					
10					
11					
12					

Product Delineation Borings in grids BG-14, 15, and 16. Surface is grass.

Note: no product visible, no samples taken.

Geo-probe terminated at 4' bgs.

**Drilled By:** W. L. Burle  
**Drill Method:** Geo-Probe  
**Drill Date:** 12/17/02

**Hole Size:** 2"  
**Datum:** Local  
**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028

**Log of Borehole: PDB-06**

**Project:** Red Panther

**Client:** Alston and Bird

**Location:** Clarksdale, MS

**Enclosure:** 1

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE			SAMPLE		Remarks	
Depth - feet	Symbol	Description	Depth/Elev.	Number		Type: Composite
0		Ground Surface	0.0			Product Delineation Borings in grids BG-14, 15, and 16. Surface is grass.  Note: no product visible, no samples taken.  Geo-probe terminated at 4' bgs.
		Grass and topsoil, organic material.	0.3			
1		<b>Silt (ML)</b> Dark gray, firm, dry.	1.5			
2		<b>Silty Clay (CL-ML)</b> Mottled gray and orange-brown, soft, moist, medium plasticity.	2.5			
3		Firm clay layer, 2.5 - 3' bgs.	3.0			
4		No visible product, no detectable odor.	4.0			
5						
6						
7						
8						
9						
10						
11						
12						

**Drilled By:** W. L. Burle

**Hole Size:** 2"

**Drill Method:** Geo-Probe

**Datum:** Local

**Drill Date:** 12/17/02

**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028

**Log of Borehole: PDB-07**



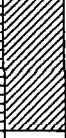
**Project:** Red Panther

**Client:** Alston and Bird

**Location:** Clarksdale, MS

**Enclosure:** 1

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface				Product Delineation Borings in grids BG-14, 15, and 16. Surface is grass.  Note: no product visible, no samples taken.  Geo-probe terminated at 4' bgs.
0.3		Grass and topsoil, organic material.	0.0			
1		<b>Silt (ML)</b> Dark gray, firm, dry.				
2		Firm clay layer, 2 - 2.5' bgs.	2.0			
3		<b>Silty Clay (CL-ML)</b> Mottled gray and orange-brown, soft, moist, medium plasticity. No visible product, no detectable odor.	2.5			
4			4.0			
5						
6						
7						
8						
9						
10						
11						
12						

**Drilled By:** W. L. Burle

**Drill Method:** Geo-Probe

**Drill Date:** 12/17/02

**Hole Size:** 2"

**Datum:** Local

**Sheet:** 1 of 1











# Test America

INCORPORATED

To assist us in using the proper analytical methods,  
is this work being conducted for regulatory purposes?  
Compliance Monitoring 5/5

Client Name LRS CORP Client #: 2693

Address: \_\_\_\_\_

City/State/Zip Code: ON FILE

Project Manager: CREWT JACOBS

Telephone Number: (678) 36-5205 Fax: (678) 36-0555

Sampler Name: (Print Name) CHRIS MILLER

Sampler Signature: [Signature]

Project Name: REP PARTNER

Project #: 37778-010-1400

Site/Location ID: Rep Partner State: MS

Report To: CREWT JACOBS

Invoice To: \_\_\_\_\_

Quote #: \_\_\_\_\_ PO#: \_\_\_\_\_

TAT Standard Rush (surcharges may apply) Date Needed: <u>7 day</u> Fax Results: <input checked="" type="radio"/> N	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix								Analyze For	QC Deliverables None Level 2 <input checked="" type="checkbox"/> Level 3 Level 4 Other: _____			
					SI - Sludge	DW - Drinking Water	GW - Groundwater	S - Soil/Sediment	WW - Wastewater	Specify Other	HNO <sub>3</sub>	HCl			NaOH	H <sub>2</sub> SO <sub>4</sub>	Methanol
SAMPLE ID																REMARKS	
CP35-2-6	12/16/02	1635	C		S												
6-10		1642	C		S												
CP-DUP-01		1200	C		S												
EQB-09		1300	G		W												
EQB-10		1415	G		W												
EQB-11	12/16/02	1510	G		W												

Special Instructions: \_\_\_\_\_

LABORATORY COMMENTS:  
 Init Lab Temp: \_\_\_\_\_  
 Rec Lab Temp: \_\_\_\_\_  
 Custody Seals: Y N N/A  
 Bottles Supplied by Test America: Y N  
 Method of Shipment: \_\_\_\_\_

Relinquished By: <u>[Signature]</u>	Date: <u>12/16/02</u>	Time: <u>1500</u>	Received By: _____	Date: _____	Time: _____
Relinquished By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____
Relinquished By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____















# Test America

INCORPORATED

To assist us in using the proper analytical methods,  
is this work being conducted for regulatory purposes?  
Compliance Monitoring

Client Name: URS Corp Client #: \_\_\_\_\_  
 Address: 5900 Windward Pkwy, Ste 400  
 City/State/Zip Code: Alpharetta, Ga. 30005  
 Project Manager: Brent Jacobs  
 Telephone Number: 678-356-8205 Fax: 678-356-0055  
 Sampler Name: (Print Name) Charles Way  
 Sampler Signature: Charles Way

Project Name: Red Panther  
 Project #: 37778-010-1400  
 Site/Location ID: Red Panther State: MS  
 Report To: Brent Jacobs  
 Invoice To: Brent Jacobs  
 Quote #: \_\_\_\_\_ PO#: \_\_\_\_\_

TAT Standard Rush (surcharges may apply)	Date Needed: <u>7 day TAT</u>	Fax Results: <input checked="" type="radio"/> N	Date Sampled	Time Sampled	G = Grab, C = Composite Field Filtered	Matrix SL - Sludge DW - Drinking Water GW - Groundwater S - Soil/Sediment WW - Wastewater Specify Other	Preservation & # of Containers							Analyze For: <u>8081A</u> <u>Arsenic 6010B</u>	QC Deliverables None Level 2 (Batch QC) <input checked="" type="checkbox"/> Level 3 Level 4 Other: _____	REMARKS
							HNO <sub>3</sub>	HCl	NaOH	H <sub>2</sub> SO <sub>4</sub>	Methanol	None	Other (Specify)			
			<u>12/14/02</u>	<u>0800</u>	<u>GC</u>	<u>S</u>							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
			"	<u>0840</u>	<u>GC</u>	<u>S</u>							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
			"	<u>0910</u>	<u>GC</u>	<u>S</u>							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
			"	<u>0945</u>	<u>GC</u>	<u>S</u>							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
			"	<u>0945</u>	<u>GC</u>	<u>S</u>							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
			"	<u>1030</u>	<u>C</u>	<u>S</u>							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
			"	<u>1230</u>	<u>C</u>	<u>S</u>							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
			"	<u>1302</u>	<u>C</u>	<u>S</u>							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
			"	<u>1330</u>	<u>C</u>	<u>S</u>							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
			"	<u>1408</u>	<u>C</u>	<u>S</u>							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		

Special Instructions:

<u>Charles Way</u>	<u>12/14/02</u>	<u>1500</u>	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

LABORATORY COMMENTS:

Init Lab Temp: \_\_\_\_\_  
 Rec Lab Temp: \_\_\_\_\_  
 Custody Seals: Y N N/A  
 Bottles Supplied by Test America: Y N  
 Method of Shipment: \_\_\_\_\_

# Test America

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes? Compliance Monitoring

Client Name: KRS Corp Client #: 2693  
 Address: 5900 Windward Pkwy, Ste 400  
 City/State/Zip Code: Alpharetta, Ga 30005  
 Project Manager: Brent Jacobs  
 Telephone Number: 678-356-8205 Fax: 678-356-0055  
 Sampler Name: (Print Name) Charles Way  
 Sampler Signature: Charles Way

Project Name: Red Panther  
 Project #: 37778-010-1400  
 Site/Location ID: Red Panther State: MS  
 Report To: Brent Jacobs  
 Invoice To: Brent Jacobs  
 Quote #: \_\_\_\_\_ PO#: \_\_\_\_\_

TAT Standard Rush (surcharges may apply) Date Needed: <u>7 day TAT</u> Fax Results: <input checked="" type="radio"/> Y <input type="radio"/> N	Date Sampled	Time Sampled	G = Grab, C = Composite Field Filtered	Matrix Sl. - Sludge DW - Drinking Water GW - Groundwater S - Soil/Solid WW - Wastewater Specify Other	Preservation & # of Containers								Analyze For: <u>8081 A</u> <u>Arsenic 6010 B</u>	QC Deliverables <input type="checkbox"/> None <input type="checkbox"/> Level 2 (Batch QC) <input checked="" type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 Other: _____				
					HNO3	HCl	NaOH	H2O2	Methanol	None	Other (Specify)	REMARKS						
BG7-SC	12/14/02	1439	C	S														
BG11-SC	"	1515	C	S														
BG5-Dup-01	"	0800	C	S														
EQB-07	12/15/02	0745	G	W	K													
DG1-SC	"	0835	C	S														
DG2-SC	"	0912	C	S														
DG3-SC	"	0949	C	S														
DG4-SC	"	1025	C	S														
DG5-SC	"	1102	C	S														
DG6-SC	"	1520	C	S														

Special Instructions:  
 Relinquished By: Charles Way Date: 12/14/02 Time: 1500  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

LABORATORY COMMENTS:  
 Init Lab Temp: \_\_\_\_\_  
 Rec Lab Temp: \_\_\_\_\_  
 Custody Seals: Y N N/A  
 Bottles Supplied by Test America: Y N  
 Method of Shipment: \_\_\_\_\_



# TestAmerica

To assist us in using the proper analytical methods,  
is this work being conducted for regulatory purposes?  
Compliance Monitoring

Pg 1 of 11

Client Name: URS Corp Client #: \_\_\_\_\_  
Address: 5900 Windward Pkwy, Ste 400  
City/State/Zip Code: Alpharetta, Ga 30005  
Project Manager: Brent Jacobs  
Telephone Number: 678-356-8205 Fax: 678-356-0055  
Sampler Name: (Print Name) Charles Way  
Sampler Signature: Charles Way

Project Name: Red Panther  
Project #: 37778-010-1400  
Site/Location ID: Red Panther State: MS  
Report To: Brent Jacobs  
Invoice To: Brent Jacobs  
Quote #: \_\_\_\_\_ PO#: \_\_\_\_\_

TAT <input type="checkbox"/> Standard <input type="checkbox"/> Rush (surcharges may apply)	Date Needed: <u>12/14/02</u>	Fax Results: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Matrix	Preservation & # of Containers		Analyze For:										QC Deliverables								
				Matrix	# of Containers	8081A	Arsenic 6010B	1	2	3	4	5	6	7	8	9	10	11	12	None	Level 2 (Batch QC)	<input checked="" type="checkbox"/> Level 3	Level 4	Other: _____
SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	SL - Sludge DW - Drinking Water GW - Groundwater S - Surface Soil WW - Wastewater Specify Other	HNO <sub>3</sub>	HCl	NaOH	H <sub>2</sub> O <sub>2</sub>	Methanol	None	Other (Specify)											REMARKS	
BG13-51	12/14/02	0740	G		S						R		✓	✓										Hold all samples for future analysis
BG13-54	"	0745	G		S						X		✓	✓										for future analysis
BG13-55	"	0748	G		S						X		✓	✓										analysis
BG13-52	"	0753	G		S						X		✓	✓										
BG13-53	"	0756	G		S						X		✓	✓										
BG14-53	"	0814	G		S						X		✓	✓										
BG14-54	"	0817	G		S						X		✓	✓										
BG14-51	"	0827	G		S						X		✓	✓										
BG14-53	"	0832	G		S						X		✓	✓										
BG14-52	"	0835	G		S						X		✓	✓										

Special Instructions: Hold all samples for future analysis

Requisitioned By: Charles Way Date: 12/14/02 Time: 1500

Received By:	Date:	Time:
Received By:	Date:	Time:
Received By:	Date:	Time:

LABORATORY COMMENTS:  
Init Lab Temp: \_\_\_\_\_  
Rec Lab Temp: \_\_\_\_\_  
Custody Seals: Y N N/A  
Bottles Supplied by Test America: Y N  
Method of Shipment: \_\_\_\_\_





Client Name: URS Corp Client #: \_\_\_\_\_  
 Address: 5900 Windward Pkwy, Ste 400  
 City/State/Zip Code: Alpharetta, Ga 30005  
 Project Manager: Brent Jacobs  
 Telephone Number: 678-356-8205 Fax: 678-356-0055  
 Sampler Name: (Print Name) Charles Way  
 Sampler Signature: Charles Way

To assist us in using the proper analytical methods,  
 is this work being conducted for regulatory purposes?  
 Compliance Monitoring \_\_\_\_\_

Project Name: Red Panther  
 Project #: 37778-010-1400  
 Site/Location ID: Red Panther State: MS  
 Report To: Brent Jacobs  
 Invoice To: Brent Jacobs  
 Quote #: \_\_\_\_\_ PO#: \_\_\_\_\_

TAT Standard Rush (surcharges may apply) Date Needed: Fax Results: Y N	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix	Preservation & # of Containers											Analyze For:					QC Deliverables	REMARKS		
					SL - Sludge GW - Groundwater WW - Wastewater Specify Other	DW - Drinking Water S - Soil/Solid Specify Other	HNO <sub>3</sub>	HCl	NaOH	H <sub>2</sub> SO <sub>4</sub>	Methanol	None	Other (Specify)						None Level 2 (Batch QC) Level 3 Level 4 Other:						
<u>BG20-55</u>	<u>12/14/02</u>	<u>1008</u>	<u>G</u>		<u>S</u>																			<u>Hold all samples for future analysis</u>	
<u>BG20-52</u>	<u>"</u>	<u>1012</u>	<u>G</u>		<u>S</u>																			<u>8081A</u>	<u>Arseinic 6010B</u>
<u>BG20-51</u>	<u>"</u>	<u>1018</u>	<u>G</u>		<u>S</u>																				
<u>BG20-53</u>	<u>"</u>	<u>1021</u>	<u>G</u>		<u>S</u>																				
<u>BG20-54</u>	<u>"</u>	<u>1025</u>	<u>G</u>		<u>S</u>																				
<u>BG2-51</u>	<u>"</u>	<u>1210</u>	<u>G</u>		<u>S</u>																				
<u>BG2-54</u>	<u>"</u>	<u>1216</u>	<u>G</u>		<u>S</u>																				
<u>BG2-55</u>	<u>"</u>	<u>1220</u>	<u>G</u>		<u>S</u>																				
<u>BG2-52</u>	<u>"</u>	<u>1224</u>	<u>G</u>		<u>S</u>																				
<u>BG2-53</u>	<u>"</u>	<u>1226</u>	<u>G</u>		<u>S</u>																				

Special Instructions: Hold all samples for future analysis

LABORATORY COMMENTS:  
 Init Lab Temp: \_\_\_\_\_  
 Rec Lab Temp: \_\_\_\_\_  
 Custody Seals: Y N N/A  
 Bottles Supplied by Test America: Y N  
 Method of Shipment: \_\_\_\_\_

Relinquished By: <u>Charles Way</u>	Date: <u>12/14/02</u>	Time: <u>1500</u>	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

# Test America

Pg 4 of 11

To assist us in using the proper analytical methods,  
is this work being conducted for regulatory purposes?  
**Compliance Monitoring**

Client Name: URS Corp Client #: \_\_\_\_\_  
 Address: 5900 Windward Pkwy  
 City/State/Zip Code: Alpharetta, Ga. 30005  
 Project Manager: Brent Jacobs  
 Telephone Number: 678-356-8205 Fax: 678-356-0055  
 Sampler Name: (Print Name) Charles Way  
 Sampler Signature: Charles Way

Project Name: Red Panther  
 Project #: 37778-010-1400  
 Site/Location ID: Red Panther State: MS  
 Report To: Brent Jacobs  
 Invoice To: Brent Jacobs  
 Quote #: \_\_\_\_\_ PO#: \_\_\_\_\_

TAT <input type="checkbox"/> Standard <input type="checkbox"/> Rush (surcharges may apply)					Matrix Preservation & # of Containers												Analyze For:												QC Deliverables													
Date Needed: _____			Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	SL - Surface DW - Drinking Water	GW - Groundwater	S - Soils	WW - Wastewater	Specify Other	HNO <sub>3</sub>	HCl	NaOH	H <sub>2</sub> SO <sub>4</sub>	Methanol	None	Other (Specify)																								
Fax Results: Y N																																										
SAMPLE ID																																										REMARKS
BG3-51			12/14/02	1244	G		S											✓	✓																			✓	✓		Hold all samples for future analysis	
BG3-52			"	1248	G		S											✓	✓																			✓	✓			
BG3-54			"	1252	G		S											✓	✓																			✓	✓			
BG3-55			"	1255	G		S											✓	✓																			✓	✓			
BG3-53			"	1258	G		S											✓	✓																			✓	✓			
BG5-51			"	1316	G		S											✓	✓																			✓	✓			
BG5-53			"	1319	G		S											✓	✓																			✓	✓			
BG5-54			"	1320	G		S											✓	✓																			✓	✓			
BG5-55			"	1324	G		S											✓	✓																			✓	✓			
BG5-52			"	1327	G		S											✓	✓																			✓	✓			

Special Instructions: Hold all samples for future analysis

Charles Way 12/16/02 1500

Relinquished By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____
Relinquished By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____
Relinquished By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____

LABORATORY COMMENTS:

Init Lab Temp: \_\_\_\_\_

Rec Lab Temp: \_\_\_\_\_

Custody Seals: Y N N/A

Bottles Supplied by Test America: Y N

Method of Shipment: \_\_\_\_\_

# Test America

To assist us in using the proper analytical methods,  
 is this work being conducted for regulatory purposes?  
 Compliance Monitoring

Client Name: URS Corp Client #:             
 Address: 5900 Windward Pkwy, Ste 400  
 City/State/Zip Code: Alpharetta, Ga 30005  
 Project Manager: Brent Jacobs  
 Telephone Number: 678-356-8205 Fax: 678-356-0055  
 Sampler Name: (Print Name) Charles Way  
 Sampler Signature: Charles Way

Project Name: Red Panther  
 Project #: 37778-010-1400  
 Site/Location ID: Red Panther State: MS  
 Report To: Brent Jacobs  
 Invoice To: Brent Jacobs  
 Quote #:            PO#:           

TAT <input type="checkbox"/> Standard <input type="checkbox"/> Rush (surcharges may apply) Date Needed: <u>          </u> Fax Results: Y N	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix										Analyze For:										QC Deliverables <input type="checkbox"/> None <input type="checkbox"/> Level 2 (Batch QC) <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 Other: <u>          </u>	REMARKS		
					SL - Sludge	DW - Drinking Water	GW - Groundwater	S - Soil/Solid	WW - Wastewater	Specify Other	HNO <sub>3</sub>	HCl	NaOH	H <sub>2</sub> SO <sub>4</sub>	Methanol	None	Other (Specify)	8081 A	Arsenic 60108									
SAMPLE ID																												
BG6-55	12/14/02	1352	G		S																							Hold all samples
BG6-51	"	1356	G		S																							for future
BG6-54	"	1358	G		S																							analysis
BG6-52	"	1402	G		S																							
BG6-53	"	1405	G		S																							
BG7-52	"	1422	G		S																							
BG7-55	"	1426	G		S																							
BG7-54	"	1429	G		S																							
BG7-51	"	1434	G		S																							
BG7-53	"	1436	G		S																							
Special Instructions: <u>Hold all samples for future analysis</u>															LABORATORY COMMENTS: Init Lab Temp: <u>          </u> Rec Lab Temp: <u>          </u> Custody Seals: Y N N/A Bottles Supplied by Test America: Y N Method of Shipment: <u>          </u>													
Relinquished By: <u>Charles Way</u>	Date: <u>12/16/02</u>	Time: <u>1500</u>	Received By: <u>          </u>										Date: <u>          </u> Time: <u>          </u>															
Relinquished By: <u>          </u>	Date: <u>          </u>	Time: <u>          </u>	Received By: <u>          </u>										Date: <u>          </u> Time: <u>          </u>															
Relinquished By: <u>          </u>	Date: <u>          </u>	Time: <u>          </u>	Received By: <u>          </u>										Date: <u>          </u> Time: <u>          </u>															

# Test America

To assist us in using the proper analytical methods,  
is this work being conducted for regulatory purposes?  
Compliance Monitoring \_\_\_\_\_

Pg 6 of 11

Client Name: URS Corp Client #: 2693  
 Address: 5900 Woodward Pkwy, Ste 400  
 City/State/Zip Code: Alpharetta, Ga 30005  
 Project Manager: Brent Jacobs  
 Telephone Number: 678-356-8205 Fax: 678-356-0055  
 Sampler Name: (Print Name) Charles Way  
 Sampler Signature: Charles Way

Project Name: Red Panther  
 Project #: 37778-010-1400  
 Site/Location ID: Red Panther State: MS  
 Report To: Brent Jacobs  
 Invoice To: Brent Jacobs  
 Quote #: \_\_\_\_\_ PO#: \_\_\_\_\_

TAT Standard Rush (surcharges may apply)	Date Needed:	Fax Results: Y N	Date Sampled	Time Sampled	G = Grab, C = Composite Field Filtered	Matrix	Preservation & # of Containers						Analyze For:							QC Deliverables None Level 2 (Batch QC) Level 3 Level 4 Other: _____							
						SL - Sludge DW - Drinking Water GW - Groundwater S - Sediment WW - Wastewater Specify Other	HNO <sub>3</sub>	HCl	NaOH	H <sub>2</sub> SO <sub>4</sub>	Method	None	Other (Specify)								REMARKS						

Matrix: 8081A Arsenic 6010B

Special Instructions: Hold all samples for future analysis

LABORATORY COMMENTS:

Init Lab Temp: \_\_\_\_\_  
 Rec Lab Temp: \_\_\_\_\_

Custody Seals: Y N N/A  
 Bottles Supplied by Test America: Y N

Method of Shipment: \_\_\_\_\_

Relinquished By: <u>Charles Way</u>	Date: <u>12/16/02</u>	Time: <u>1500</u>	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

# TestAmerica

INCORPORATED

To assist us in using the proper analytical methods,  
 is this work being conducted for regulatory purposes?  
 Compliance Monitoring \_\_\_\_\_

Client Name: URS Corp Client #: 2693  
 Address: 5900 Windward Pkwy, Ste 400  
 City/State/Zip Code: Alpharetta, Ga. 30005  
 Project Manager: Brent Jacobs  
 Telephone Number: 678-356-8205 Fax: 678-356-0055  
 Sampler Name: (Print Name) Charles Way  
 Sampler Signature: Charles Way

Project Name: Red Panther  
 Project #: 37778-010-1400  
 Site/Location ID: Red Panther State: MS  
 Report To: Brent Jacobs  
 Invoice To: Brent Jacobs  
 Quote #: \_\_\_\_\_ PO#: \_\_\_\_\_

TAT	Date Needed:	Field Filtration	Matrix	Preservation	# of Containers	Analyze For:	QC Deliverables	REMARKS																	
Standard Rush (surcharges may apply)	____	____	____	____	____	____	____	____																	
Fax Results: Y N		____	____	____	____	____	____	____																	
SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtration	SL - Sludge DW - Drinking Water GW - Groundwater S - Sol/Solid WW - Wastewater Specify Other	HNO <sub>3</sub>	HCl	NaOH	I <sub>2</sub> -SO <sub>2</sub>	Methanol	None	Other (Specify)	8081 A	Arsenic 60105	____	____	____	____	____	____	____	____	____	QC Deliverables: None Level 2 (Batch QC) Level 3 Level 4 Other: _____	
DG2-51	12/15/02	0853	G		S						X		✓	✓											Hold all samples for future analysis
DG2-52	"	0858	G		S						X		✓	✓											
DG2-53	"	0900	G		S						X		✓	✓											
DG2-55	"	0907	G		S						X		✓	✓											
DG2-54	"	0909	G		S						X		✓	✓											
DG3-55	"	0929	G		S						X		✓	✓											
DG3-52	"	0932	G		S						X		✓	✓											
DG3-51	"	0936	G		S						X		✓	✓											
DG3-53	"	0943	G		S						X		✓	✓											
DG3-54	"	0946	G		S						X		✓	✓											
Special Instructions: <u>Hold all samples for future analysis</u>						LABORATORY COMMENTS: Init Lab Temp: Rec Lab Temp: Custody Seals: Y N N/A Bottles Supplied by Test America: Y N Method of Shipment: _____																			
Relinquished By: <u>Charles Way</u>	Date: 12/14/02	Time: 1500	Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:											











# Test America

To assist us in using the proper analytical methods,  
is this work being conducted for regulatory purposes?  
Compliance Monitoring

1/3

Client Name: URS Corp Client #: 2693  
 Address: AD - File  
 City/State/Zip Code: \_\_\_\_\_  
 Project Manager: Brent Jacobs  
 Telephone Number: (173) 351 2205 Fax: (173) 351 2205  
 Sampler Name: (Print Name) BRUCE JACOBS  
 Sampler Signature: [Signature]

Project Name: RED PANTHER  
 Project #: 37772-010-1400  
 Site/Location ID: RED PANTHER State: MS  
 Report To: Brent Jacobs  
 Invoice To: \_\_\_\_\_  
 Quote #: \_\_\_\_\_ PO#: \_\_\_\_\_

TAT Standard Rush (surcharges may apply)	Date Needed:	Fax Results:	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix SL - Sludge DW - Drinking Water GW - Groundwater S - Solid WW - Wastewater Specify Other	Preservation & # of Containers							Analyze For	QC Deliverables None Level 2 (Batch QC) Level 3 Level 4 Other: _____										
								HNO <sub>3</sub>	HCl	NaOH	H <sub>2</sub> SO <sub>4</sub>	Methanol	None	Other (Specify)			REMARKS									
	<u>7 Day</u>	<u>DN</u>																								
			<u>BG8W-0-2</u>	<u>12-12-02 1330</u>	<u>C</u>		<u>S</u>						<input checked="" type="checkbox"/>	<u>8081A</u>	<input checked="" type="checkbox"/>	<u>Toxaphene</u>	<input checked="" type="checkbox"/>	<u>Dieldrin only</u>	<input checked="" type="checkbox"/>	<u>U.G.</u>	<input checked="" type="checkbox"/>	<u>ARSENIC</u>	<input checked="" type="checkbox"/>	<u>Lot #1008</u>		
			<u>2-6</u>	<u>1335</u>									<input checked="" type="checkbox"/>													
			<u>6-10</u>	<u>1345</u>									<input checked="" type="checkbox"/>													
			<u>BG8E-0-2</u>	<u>1100</u>									<input checked="" type="checkbox"/>													
			<u>2-6</u>	<u>1410</u>									<input checked="" type="checkbox"/>													
			<u>6-10</u>	<u>1420</u>									<input checked="" type="checkbox"/>													
			<u>BG9W-0-2</u>	<u>1430</u>									<input checked="" type="checkbox"/>													
			<u>2-6</u>	<u>1435</u>									<input checked="" type="checkbox"/>													
			<u>6-10</u>	<u>1445</u>									<input checked="" type="checkbox"/>													
			<u>BG9E-0-2</u>	<u>12-12-02 1505</u>	<u>C</u>		<u>S</u>						<input checked="" type="checkbox"/>													

Special Instructions: \_\_\_\_\_  
FedEx 838179 220 098  
 Relinquished By: [Signature] Date: 12-13-02 Time: 1500  
 Received By: FedEx Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

LABORATORY COMMENTS:  
 Init Lab Temp: \_\_\_\_\_  
 Rec Lab Temp: \_\_\_\_\_  
 Custody Seals: Y N: N/A  
 Bottles Supplied by Test America: Y N  
 Method of Shipment: \_\_\_\_\_



# Test America

INCORPORATED

7/3

To assist us in using the proper analytical methods,  
is this work being conducted for regulatory purposes?  
Compliance Monitoring

Client Name: UR'S OP Client #: 2073  
 Address: ON FILE  
 City/State/Zip Code: \_\_\_\_\_  
 Project Manager: BIGANT JACOBS  
 Telephone Number: (478) 356-8205 Fax: (478) 356-0555  
 Sampler Name: (Print Name) STEVE SUSTIN  
 Sampler Signature: [Signature]

Project Name: RED PANTHER  
 Project #: 37772-00-1400  
 Site/Location ID: RED PANTHER State: MS  
 Report To: BOBNT JACOBS  
 Invoice To: \_\_\_\_\_  
 Quote #: \_\_\_\_\_ PO#: \_\_\_\_\_

TAT Standard Rush (surcharges may apply) Date Needed: <u>7 Dec</u> Fax Results: <u>Ⓚ N</u>	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix	Preservation & # of Containers							Analyze For:	QC Deliverables None Level 2 (Batch QC) Level 3 Level 4 Other: _____	REMARKS		
						SL - Sludge	DW - Drinking Water	GW - Groundwater	S - Solids	WW - Wastewater	Specify Other	HNO <sub>3</sub>				HCl	NaOH
SAMPLE ID: <u>EQB-05</u>	<u>12-12-02</u>	<u>1345</u>	<u>G</u>		<u>W</u>								<u>ROPIA</u>				
SAMPLE ID: <u>EQB-06</u>	<u>12-12-02</u>	<u>1345</u>	<u>G</u>		<u>W</u>								<u>AGG. 1/4 EGUS</u>				

Special Instructions: \_\_\_\_\_

Relinquished By: [Signature] Date: 12-13-02 Time: 1500  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received By: [Signature] Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

LABORATORY COMMENTS:  
 Init Lab Temp: \_\_\_\_\_  
 Rec Lab Temp: \_\_\_\_\_  
 Custody Seals: Y N N/A  
 Bottles Supplied by Test America: Y N  
 Method of Shipment: \_\_\_\_\_

# Test America

Client Name: URS Corp Client #: 2693

Address: 5900 Windward Pkwy, Ste 400

City/State/Zip Code: Alpharetta, Ga. 30005

Project Manager: Brent Jacobs

Telephone Number: 678-356-8205 Fax: 678-356-0055

Sampler Name: (Print Name) Charles Way

Sampler Signature: Charles Way

To assist us in using the proper analytical methods,  
is this work being conducted for regulatory purposes?  
Compliance Monitoring \_\_\_\_\_

1 of 1

Project Name: Red Panther

Project #: 37778-010-1400

Site/Location ID: Red Panther State: MS

Report To: Brent Jacobs

Invoice To: Brent Jacobs

Quote #: \_\_\_\_\_ PO#: \_\_\_\_\_

TAT <input type="checkbox"/> Standard <input type="checkbox"/> Rush (surcharges may apply) Date Needed: <u>7 day TAT</u> Fax Results: <input checked="" type="radio"/> Y <input type="radio"/> N	Date/Time		G = Grab, C = Composite	Field Filtered	Matrix	Preservation & # of Containers										Analyze For:	QC Deliverables <input type="checkbox"/> None <input type="checkbox"/> Level 2 <input type="checkbox"/> (Batch QC) <input checked="" type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 Other: _____	REMARKS																					
	Date Sampled	Time Sampled			SL - Sludge DW - Drinking Water GW - Groundwater S - Solid/Solid WW - Wastewater Specify Other	HNO <sub>3</sub>	HCl	NaOH	H <sub>2</sub> SO <sub>4</sub>	Methanol	None	Other (Specify)	ROBLA	Arsenic 6010B																									
<b>SAMPLE ID</b>																																							
<u>BG15-SC</u>	<u>11/12/02</u>	<u>1505</u>	<u>C</u>		<u>S</u>																																		
<u>BG16-SC</u>	<u>"</u>	<u>1600</u>	<u>C</u>		<u>S</u>																																		
<u>BG17-SC</u>	<u>"</u>	<u>1640</u>	<u>C</u>		<u>S</u>																																		
Special Instructions:																																							
Relinquished By: <u>[Signature]</u>	Date: <u>12-13-02</u>	Time: <u>1500</u>																																					
Relinquished By:	Date:	Time:																																					
Relinquished By:	Date:	Time:																																					

LABORATORY COMMENTS:  
Init Lab Temp:  
Rec Lab Temp:  
Custody Seals: Y N N/A  
Bottles Supplied by Test America: Y N  
Method of Shipment:

# Test America

Client Name: URS Corp Client #: 2693  
 Address: ON FILE  
 City/State/Zip Code: \_\_\_\_\_  
 Project Manager: BRINT JACOBS  
 Telephone Number: (678) 356-8205 Fax: (678) 356-0055  
 Sampler Name: (Print Name) STEVEN SUSTON  
 Sampler Signature: [Signature]

To assist us in using the proper analytical methods,  
 is this work being conducted for regulatory purposes?  
 Compliance Monitoring       

1/5

Project Name: RED PANTHER  
 Project #: 32778-010-1400  
 Site/Location ID: RED PANTHER State: MS  
 Report To: BRINT JACOBS  
 Invoice To: \_\_\_\_\_ PO#: \_\_\_\_\_  
 Quote #: \_\_\_\_\_

TAT Standard Rush (surcharges may apply)	Date Needed: <u>7 DAY</u>	Fax Results: <u>Y</u> N	SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix SL - Sludge DW - Drinking Water GW - Groundwater S - Soil/Solid WW - Wastewater Specify Other	Preservation & # of Containers							Analyte For:	QC Designation None Level 2 (Rush QC) Level 3 Level 4 Other: _____	REMARKS									
									HNO3	HCl	NaOH	H2SO4	Methanol	None	Other (Specify)												
			BG 2W-0-2	12-5-02	0920	C																					
			2-6		0925																						
			6-10		0935																						* Contact
			BG 2E-0-3.5		0950																						STEVE
			3-5-6		0958																						SUSTON
			6-10		1010																						@ (7104) 822-0423
			BG 3W-0-2		1550																						U/ANY QUESTIONS
			2-6		1600																						
			6-10		1610																						
			BG 3E-0-2	12-5-02	1620	C		S																			

Special Instructions: \_\_\_\_\_  
 @ 838179119250  
 FIDLY @ 838179119375

LABORATORY COMMENTS:  
 Init Lab Temp: \_\_\_\_\_  
 Rec Lab Temp: \_\_\_\_\_  
 Custody Bags: Y N NA  
 Bottles Supplied by Test America: Y N  
 Method of Shipment: \_\_\_\_\_

Requisitioned By: <u>[Signature]</u>	Date: <u>12-6-02</u>	Time: <u>1550</u>	Received By: <u>[Signature]</u>	Date: _____	Time: _____
Requisitioned By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____
Requisitioned By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____







To assist us in using the proper analytical methods,  
is this work being conducted for regulatory purposes?  
Compliance Monitoring \_\_\_\_\_

4

Client Name: URS Corp Client #: 2693  
Address: ON FILE  
City/State/Zip Code: \_\_\_\_\_  
Project Manager: BRYANT JACOBS  
Telephone Number: (671) 356-8205 Fax: (671) 356-0855  
Sampler Name: (Print Name) STEVE SUSTON  
Sampler Signature: [Signature]

Project Name: RED PANTHER  
Project #: 37778-010-1400  
Site/Location ID: REDPANTHER State: MS  
Report To: BRYANT JACOBS  
Invoice To: \_\_\_\_\_  
Quote #: \_\_\_\_\_ PO#: \_\_\_\_\_

TAT	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix	Preservation & # of Containers											Analyze For:	QC Deliverables	REMARKS						
<input type="checkbox"/> Standard <input type="checkbox"/> Rush (surcharges may apply) Date Needed: <u>7 Day</u> Fax Results: <input checked="" type="radio"/> Y <input type="radio"/> N					SL - Sludge DW - Drinking Water GW - Groundwater S - Soil/Solid WW - Wastewater Specify Other	HNO <sub>3</sub>	HCl	NaOH	H <sub>2</sub> SO <sub>4</sub>	Methanol	None	Other (Specify)							<input type="checkbox"/> None <input type="checkbox"/> Level 2 <input checked="" type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 Other: _____						
BG10W-0-2	12602	1015	C		1																				
2-6		1025																							
6-10		1035																							
BG10C-0-2		1050																							
2-6		1100																							
6-10		1110																							
BG11W-0-2		1135																							
-2-6		1145																							
-4-10	✓	1155	✓		✓																				
BG11C-0-2	12602	1230	C		5																				

Special Instructions: \_\_\_\_\_

LABORATORY COMMENTS:  
 Init Lab Temp: \_\_\_\_\_  
 Rec Lab Temp: \_\_\_\_\_  
 Custody Seals: Y N N/A  
 Bottles Supplied by Test America: Y N  
 Method of Shipment: \_\_\_\_\_

Relinquished By: <u>[Signature]</u>	Date: <u>12602</u>	Time: <u>1530</u>	Received By: <u>[Signature]</u>	Date: _____	Time: _____
Relinquished By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____
Relinquished By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____



## TEST AMERICA INC

## ANALYTICAL REPORT

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY, STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A205891

Sample ID: BG1E-0-2

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 16:05

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.0110	5	12/28/02	18:41	Carmichael	8081A	3994
a-BHC	0.532	mg/kg	0.111	50	12/28/02	18:41	Carmichael	8081A	3994
b-BHC	0.642	mg/kg	0.111	50	12/28/02	18:41	Carmichael	8081A	3994
d-BHC	0.0221	mg/kg	0.0110	5	12/28/02	18:41	Carmichael	8081A	3994
g-BHC, Lindane	0.0443	mg/kg	0.0110	5	12/28/02	18:41	Carmichael	8081A	3994
4,4'-DDD	0.146	mg/kg	0.0221	5	12/28/02	18:41	Carmichael	8081A	3994
4,4'-DDE	0.420	mg/kg	0.221	50	12/28/02	18:41	Carmichael	8081A	3994
4,4'-DDT	ND	mg/kg	0.0221	5	12/28/02	18:41	Carmichael	8081A	3994
Dieldrin	ND	mg/kg	0.0221	5	12/28/02	18:41	Carmichael	8081A	3994
Endosulfan I	ND	mg/kg	0.0110	5	12/28/02	18:41	Carmichael	8081A	3994
Endosulfan II	ND	mg/kg	0.0221	5	12/28/02	18:41	Carmichael	8081A	3994
Endosulfan sulfate	ND	mg/kg	0.0221	5	12/28/02	18:41	Carmichael	8081A	3994
Endrin	ND	mg/kg	0.0221	5	12/28/02	18:41	Carmichael	8081A	3994
Endrin aldehyde	ND	mg/kg	0.0221	5	12/28/02	18:41	Carmichael	8081A	3994
Endrin Ketone	ND	mg/kg	0.0221	5	12/28/02	18:41	Carmichael	8081A	3994
Heptachlor	ND	mg/kg	0.0110	5	12/28/02	18:41	Carmichael	8081A	3994
Heptachlor epoxide	ND	mg/kg	0.0110	5	12/28/02	18:41	Carmichael	8081A	3994
Methoxychlor	ND	mg/kg	0.111	5	12/28/02	18:41	Carmichael	8081A	3994
Toxaphene	ND	mg/kg	2.21	5	12/28/02	18:41	Carmichael	8081A	3994
alpha-Chlordane	ND	mg/kg	0.0110	5	12/28/02	18:41	Carmichael	8081A	3994
gamma-Chlordane	ND	mg/kg	0.0110	5	12/28/02	18:41	Carmichael	8081A	3994
<b>*METALS*</b>									
Arsenic	410.	mg/kg	1.28	1	12/27/02	10:22	C. Martin	6010B	5838
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	75.2	%			12/20/02	11:37	M. Ricke	CLP	5837

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDHARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A205891

Sample ID: BGLE-0-2

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 16:05

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.5 gm	10.0 ml	12/26/02		M. Ricke	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A205892

Sample ID: BGLI-2-6

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 16:10

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.0083	mg/kg	0.0044	1	12/28/02	9:13	Carmichael	8081A	3994
Toxaphene	ND	mg/kg	0.440	1	12/28/02	9:13	Carmichael	8081A	3994
*METALS*									
Arsenic	507.	mg/kg	1.30	1	12/27/02	10:22	C. Martin	6010B	5838
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	75.6	%			12/20/02	11:37	M. Ricke	CLP	5837

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.1 gm	10.0 ml	12/26/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMI	124.	48. - 132.
pest surr-DCB	103.	46. - 140.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDHARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A205892

Sample ID: BG1E-2-6

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 16:10

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory Historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A205893

Sample ID: BG1E-6-10

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 16:25

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0044	1	12/28/02	9:44	Carmichael	8081A	3994
Toxaphene	ND	mg/kg	0.448	1	12/28/02	9:44	Carmichael	8081A	3994
*METALS*									
Arsenic	402.	mg/kg	1.32	1	12/27/02	10:22	C. Martin	6010B	5838
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	74.4	%			12/20/02	11:37	M. Ricke	CLP	5837

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/26/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMH	102.	48. - 132.
pest surr-DCB	107.	46. - 140.

## TEST AMERICA INC

## ANALYTICAL REPORT

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A205893

Sample ID: BGLE-6-10

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 16:25

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

/ - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.



TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207978

Sample ID: BGLW 0-2

Date Collected: 12/16/02

Project: 37778-010-1400

Time Collected: 13:15

Project Name: RED PANTHER

Date Received: 12/18/02

Sampler: CHRIS MILLER

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	mg/kg	0.432	200	1/ 3/03	14:04	Carmichael	8081A	6959
a-BHC	7.08	mg/kg	0.432	200	1/ 3/03	14:04	Carmichael	8081A	6959
b-BHC	1.12	mg/kg	0.432	200	1/ 3/03	14:04	Carmichael	8081A	6959
d-BHC	ND	mg/kg	0.432	200	1/ 3/03	14:04	Carmichael	8081A	6959
g-BHC, Lindane	ND	mg/kg	0.432	200	1/ 3/03	14:04	Carmichael	8081A	6959
4,4'-DDD	1.21	mg/kg	0.864	200	1/ 3/03	14:04	Carmichael	8081A	6959
4,4'-DDE	ND	mg/kg	0.864	200	1/ 3/03	14:04	Carmichael	8081A	6959
4,4'-DDT	8.21	mg/kg	0.864	200	1/ 3/03	14:04	Carmichael	8081A	6959
Dieldrin	ND	mg/kg	0.864	200	1/ 3/03	14:04	Carmichael	8081A	6959
Endosulfan I	ND	mg/kg	0.432	200	1/ 3/03	14:04	Carmichael	8081A	6959
Endosulfan II	ND	mg/kg	0.864	200	1/ 3/03	14:04	Carmichael	8081A	6959
Endosulfan sulfate	ND	mg/kg	0.864	200	1/ 3/03	14:04	Carmichael	8081A	6959
Endrin	ND	mg/kg	0.864	200	1/ 3/03	14:04	Carmichael	8081A	6959
Endrin aldehyde	ND	mg/kg	0.864	200	1/ 3/03	14:04	Carmichael	8081A	6959
Endrin Ketone	ND	mg/kg	0.864	200	1/ 3/03	14:04	Carmichael	8081A	6959
Heptachlor	ND	mg/kg	0.432	200	1/ 3/03	14:04	Carmichael	8081A	6959
Heptachlor epoxide	ND	mg/kg	0.432	200	1/ 3/03	14:04	Carmichael	8081A	6959
Methoxychlor	ND	mg/kg	4.32	200	1/ 3/03	14:04	Carmichael	8081A	6959
Toxaphene	13.9	mg/kg	4.32	10	1/ 3/03	14:04	Carmichael	8081A	6959
alpha-Chlordane	ND	mg/kg	0.432	200	1/ 3/03	14:04	Carmichael	8081A	6959
gamma-Chlordane	ND	mg/kg	0.432	200	1/ 3/03	14:04	Carmichael	8081A	6959
*METALS*									
Arsenic	435.	mg/kg	1.26	1	12/31/02	13:28	C. Martin	6010B	8629
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	77.1	%			12/30/02	14:30	K. Keller	CLP	8632

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207978

Sample ID: BGLW 0-2

Date Collected: 12/16/02

Project: 37778-010-1400

Time Collected: 13:15

Project Name: RED PANTHER

Date Received: 12/18/02

Sampler: CHRIS MILLER

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/30/02		M. Cauthen	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207979

Sample ID: BGIW 2-6

Date Collected: 12/16/02

Project: 37778-010-1400

Time Collected: 13:17

Project Name: RED PANTHER

Date Received: 12/18/02

Sampler: CHRIS MILLER

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0042	1	1/ 3/03	1:21	Carmichael	8081A	6959
Toxaphene	ND	mg/kg	0.420	1	1/ 3/03	1:21	Carmichael	8081A	6959
*METALS*									
Arsenic	88.3	mg/kg	1.21	1	12/31/02	13:28	C. Martin	6010B	8629
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	79.3	%			12/30/02	14:30	K. Keller	CLP	8632

## Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	29.5 gm	10.0 ml	12/30/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TCMX	128.	48. - 132.
pest surr-DCB	102.	46. - 140.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207979

Sample ID: BGLW 2-6

Date Collected: 12/16/02

Project: 37778-010-1400

Time Collected: 13:17

Project Name: RED PANTHER

Date Received: 12/18/02

Sampler: CHRIS MILLER

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
 2960 Foster Creighton Drive  
 Nashville, Tennessee 37204

ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A207980

Sample ID: BG1W 6-10

Date Collected: 12/16/02

Project: 37778-010-1400

Time Collected: 13:19

Project Name: RED PANTHER

Date Received: 12/18/02

Sampler: CHRIS MILLER

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.0093	mg/kg	0.0059	1	1/ 1/03	0:25	Carmichael	8081A	6959
Toxaphene	ND	mg/kg	0.583	1	1/ 1/03	0:25	Carmichael	8081A	6959
*METALS*									
Arsenic	86.2	mg/kg	1.44	1	12/31/02	13:28	C. Martin	6010B	8629
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	68.1	%			12/30/02	14:30	K. Keller	CLP	8632

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	25.2 gm	10.0 ml	12/30/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	100.	48. - 132.
pest surr-DCB	98.	46. - 140.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A207980

Sample ID: BGLW 6-10

Date Collected: 12/16/02

Project: 37778-010-1400

Time Collected: 13:19

Project Name: RED PANTHER

Date Received: 12/18/02

Sampler: CHRIS MILLER

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A208017  
Sample ID: BG1-SC  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHRIS MILLER

Date Collected: 12/17/02  
Time Collected: 17:00  
Date Received: 12/18/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	ug/kg	0.0023	1	1/ 7/03	14:34	Carmichael	8081A	6741
a-BHC	0.0111	ug/kg	0.0023	1	1/ 7/03	14:34	Carmichael	8081A	6741
b-BHC	0.0293	ug/kg	0.0023	1	1/ 7/03	14:34	Carmichael	8081A	6741
d-BHC	ND	ug/kg	0.0023	1	1/ 7/03	14:34	Carmichael	8081A	6741
g-BHC, Lindane	ND	ug/kg	0.0023	1	1/ 7/03	14:34	Carmichael	8081A	6741
4,4'-DDD	0.0288 F	ug/kg	0.0044	1	1/ 7/03	14:34	Carmichael	8081A	6741
4,4'-DDE	0.0564	ug/kg	0.0044	1	1/ 7/03	14:34	Carmichael	8081A	6741
4,4'-DDT	0.0123 B	ug/kg	0.0044	1	1/ 7/03	14:34	Carmichael	8081A	6741
Dieldrin	0.0124 B	ug/kg	0.0044	1	1/ 7/03	14:34	Carmichael	8081A	6741
Endosulfan I	ND	ug/kg	0.0023	1	1/ 7/03	14:34	Carmichael	8081A	6741
Endosulfan II	ND	ug/kg	0.0044	1	1/ 7/03	14:34	Carmichael	8081A	6741
Endosulfan sulfate	ND	ug/kg	0.0044	1	1/ 7/03	14:34	Carmichael	8081A	6741
Endrin	ND	ug/kg	0.0044	1	1/ 7/03	14:34	Carmichael	8081A	6741
Endrin aldehyde	ND	ug/kg	0.0044	1	1/ 7/03	14:34	Carmichael	8081A	6741
Endrin Ketone	ND	ug/kg	0.0044	1	1/ 7/03	14:34	Carmichael	8081A	6741
Heptachlor	ND	ug/kg	0.0023	1	1/ 7/03	14:34	Carmichael	8081A	6741
Heptachlor epoxide	ND	ug/kg	0.0023	1	1/ 7/03	14:34	Carmichael	8081A	6741
Methoxychlor	ND	ug/kg	0.0221	1	1/ 7/03	14:34	Carmichael	8081A	6741
Toxaphene	1.43	ug/kg	0.444	1	1/ 7/03	14:34	Carmichael	8081A	6741
alpha-Chlordane	ND	ug/kg	0.0023	1	1/ 7/03	14:34	Carmichael	8081A	6741
gamma-Chlordane	ND	ug/kg	0.0023	1	1/ 7/03	14:34	Carmichael	8081A	6741
<b>*METALS*</b>									
Arsenic	921.	ug/kg	1.23	1	1/ 2/02	10:00	C. Martin	6010B	8630

Sample report continued . . .

# TestAmerica

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## ANALYTICAL REPORT

Laboratory Number: 02-A208017

Sample ID: BG1-SC

Project: 37778-010-1400

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	75.0	%			12/30/02	16:00	K. Keller	CLP	8633

### Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	30.3 gm	10.0 ml		12/30/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TCX	109.	48. - 132.
pest surr-DCB	109.	46. - 140.

### LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

R - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.



# TestAmerica

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## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200689  
 Sample ID: BG2E-0-3.5  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 5/02  
 Time Collected: 9:50  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	ug/kg	0.0448	20	12/24/02	8:44	Carmichael	8081A	271
a-BHC	2.02	ug/kg	0.223	100	12/24/02	8:44	Carmichael	8081A	271
b-BHC	0.502	ug/kg	0.0448	20	12/24/02	8:44	Carmichael	8081A	271
d-BHC	0.833	ug/kg	0.0448	20	12/24/02	8:44	Carmichael	8081A	271
g-BHC, Lindane	0.511	ug/kg	0.0448	20	12/24/02	8:44	Carmichael	8081A	271
4,4'-DDD	1.30	ug/kg	0.0896	20	12/24/02	8:44	Carmichael	8081A	271
4,4'-DDH	0.421	ug/kg	0.0896	20	12/24/02	8:44	Carmichael	8081A	271
4,4'-DDT	0.833	ug/kg	0.0896	20	12/24/02	8:44	Carmichael	8081A	271
Dieldrin	0.690	ug/kg	0.0896	20	12/24/02	8:44	Carmichael	8081A	271
Endosulfan I	ND	ug/kg	0.0448	20	12/24/02	8:44	Carmichael	8081A	271
Endosulfan II	ND	ug/kg	0.0896	20	12/24/02	8:44	Carmichael	8081A	271
Endosulfan sulfate	ND	ug/kg	0.0896	20	12/24/02	8:44	Carmichael	8081A	271
Endrin	ND	ug/kg	0.0896	20	12/24/02	8:44	Carmichael	8081A	271
Endrin aldehyde	ND	ug/kg	0.0896	20	12/24/02	8:44	Carmichael	8081A	271
Endrin ketone	ND	ug/kg	0.0896	20	12/24/02	8:44	Carmichael	8081A	271
Heptachlor	ND	ug/kg	0.0448	20	12/24/02	8:44	Carmichael	8081A	271
Heptachlor epoxide	ND	ug/kg	0.0448	20	12/24/02	8:44	Carmichael	8081A	271
Methoxychlor	ND	ug/kg	0.448	20	12/24/02	8:44	Carmichael	8081A	271
Toxaphene	11.4	ug/kg	2.23	5	12/24/02	8:44	Carmichael	8081A	271
alpha-Chlordane	ND	ug/kg	0.0448	20	12/24/02	8:44	Carmichael	8081A	271
gamma-Chlordane	ND	ug/kg	0.0448	20	12/24/02	8:44	Carmichael	8081A	271
<b>*METALS*</b>									
Arsenic	923.	ug/kg	1.35	1	12/12/02	15:23	C. Johnson	6010B	9981

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A200689  
 Sample ID: BG2E-0-3.5  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
* Dry Weight	74.2	%			12/20/02	14:20	M. Riecke	CLP	9978

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.5 gm	10.0 ml	12/19/02		M. Riecke	3550

### LABORATORY COMMENTS:

ND - Not detected at the report limit.  
 B - Analyte was detected in the method blank.  
 J - Estimated Value below Report Limit.  
 M - Estimated value above the calibration limit of the instrument.  
 S - Recovery outside Laboratory historical or method proscribed limits.  
 All reported results for metals or organic analyses have been corrected for dry weight.  
 Pesticide surrogate diluted below detectable levels due to sample matrix. Results for delta and gamma BHC differ by more than 40 % on the two analytical columns.

End of Sample Report.

# TestAmerica

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## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A200690  
Sample ID: BGZE-3.5-6  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: STEVEN SUSTEN

Date Collected: 12/ 5/02  
Time Collected: 9:58  
Date Received: 12/ 7/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Match
<b>*PESTICIDES/PCB's/HERBICIDES*</b>									
Dieldrin	ND	ug/kg	0.0086	2	12/24/02	15:09	Carmichael	8081A	271
Toxaphene	ND	ug/kg	0.056	2	12/24/02	15:09	Carmichael	8081A	271
<b>*METALS*</b>									
Arsenic	44.2	ug/kg	1.23	1	12/12/02	15:23	C. Johnson	6010B	9981
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	77.0	%			12/20/02	14:20	M. Ricks	CLP	8978

### Sample Extraction Data

Parameter	WT/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/19/02		M. Ricks	3580

Surrogate	% Recovery	Target Range
pest surr-TCE	109.	48. - 132.
pest surr-DCB	99.	46. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A200690  
Sample ID: BG2E-3.5-6  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - # - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200691  
 Sample ID: BG2E-6-10  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 5/02  
 Time Collected: 16:10  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0046	1	12/24/02	15:40	Carmichael	8081A	271
Toxaphene	ND	mg/kg	0.461	1	12/24/02	15:40	Carmichael	8081A	271
*METALS*									
Arsenic	8.44	mg/kg	1.36	1	12/12/02	15:23	C.Johnson	6010B	9961
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	72.1	%			12/20/02	14:20	M. Rieke	CLP	9978

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pent	29.9 gm	10.0 ml	12/19/02		M. Rieke	3550

Surrogate	% Recovery	Target Range
pest surr-TMX	91.	48. - 132.
pest surr-DCB	105.	46. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A200691  
Sample ID: BG2E-6-10  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - R - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200686  
 Sample ID: BG2W-0-2  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 5/02  
 Time Collected: 9:20  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.0105	5	12/24/02	7:11	Carmichael	8081A	271
a-BHC	0.107	mg/kg	0.0105	5	12/24/02	7:11	Carmichael	8081A	271
b-BHC	0.0884	mg/kg	0.0105	5	12/24/02	7:11	Carmichael	8081A	271
d-BHC	0.0210	mg/kg	0.0105	5	12/24/02	7:11	Carmichael	8081A	271
g-BHC, Lindane	0.0273	mg/kg	0.0105	5	12/24/02	7:11	Carmichael	8081A	271
4,4'-DDD	0.0716	mg/kg	0.0210	5	12/24/02	7:11	Carmichael	8081A	271
4,4'-DDE	0.0442	mg/kg	0.0210	5	12/24/02	7:11	Carmichael	8081A	271
4,4'-DDT	0.265	mg/kg	0.0210	5	12/24/02	7:11	Carmichael	8081A	271
Dieldrin	0.0463	mg/kg	0.0210	5	12/24/02	7:11	Carmichael	8081A	271
Endosulfan I	ND	mg/kg	0.0105	5	12/24/02	7:11	Carmichael	8081A	271
Endosulfan II	ND	mg/kg	0.0210	5	12/24/02	7:11	Carmichael	8081A	271
Endosulfan sulfate	ND	mg/kg	0.0210	5	12/24/02	7:11	Carmichael	8081A	271
Endrin	ND	mg/kg	0.0210	5	12/24/02	7:11	Carmichael	8081A	271
Endrin aldehyde	ND	mg/kg	0.0210	5	12/24/02	7:11	Carmichael	8081A	271
Endrin Ketone	ND	mg/kg	0.0210	5	12/24/02	7:11	Carmichael	8081A	271
Heptachlor	ND	mg/kg	0.0105	5	12/24/02	7:11	Carmichael	8081A	271
Heptachlor epoxide	ND	mg/kg	0.0105	5	12/24/02	7:11	Carmichael	8081A	271
Methoxychlor	ND	mg/kg	0.105	5	12/24/02	7:11	Carmichael	8081A	271
Toxaphene	ND	mg/kg	2.10	5	12/24/02	7:11	Carmichael	8081A	271
alpha-Chlordane	ND	mg/kg	0.0105	5	12/24/02	7:11	Carmichael	8081A	271
gamma-Chlordane	ND	mg/kg	0.0105	5	12/24/02	7:11	Carmichael	8081A	271
<b>*METALS*</b>									
Arsenic	1020	mg/kg	1.23	1	12/12/02	15:23	C. Johnson	6010B	9981

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A200686  
 Sample ID: BG2W-0-2  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	79.1	%			12/20/02	14:20	M. Ricke	CLP	9978

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/19/02		M. Ricke	3550

### LABORATORY COMMENTS:

ND - Not detected at the report limit.  
 B - Analyte was detected in the method blank.  
 J - Estimated Value below Report Limit.  
 E - Estimated Value above the calibration limit of the instrument.  
 # - Recovery outside Laboratory historical or method prescribed limits.  
 All reported results for metals or Organic analyses have been corrected for dry weight.  
 Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200687  
 Sample ID: BG2W-2-6  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 5/02  
 Time Collected: 9:25  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCP's/HERBICIDES*</b>									
Dieldrin	ND	ug/kg	0.0215	5	12/24/02	7:42	Carmichael	8081A	271
Toxaphene	ND	ug/kg	2.15	5	12/24/02	7:42	Carmichael	8081A	271
<b>*METALS*</b>									
Arsenic	656	ug/kg	1.30	1	12/12/02	15:23	C. Johnson	6010B	9981
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	77.1	%			12/20/02	14:20	M. Ricks	CLP	9978

Sample Extraction Data

Parameter	WT/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Post	30.2 gm	10.0 ml	12/19/02		M. Ricks	3550

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A200687  
Sample ID: BG2W-2-6  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200688  
 Sample ID: BG2W-6-10  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 5/02  
 Time Collected: 9:35  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	ND	ng/kg	0.0223	5	12/24/02	8:13	Carrichael	8081A	271
Toxaphene	ND	ng/kg	2.23	5	12/24/02	8:13	Carrichael	8081A	271
<b>*METALS*</b>									
Arsenic	671	ng/kg	1.33	1	12/12/02	15:23	C. Johnson	6010B	9981
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	74.4	%			12/20/02	14:20	M. Ricke	CLP	9978

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.2 gm	10.0 ml	12/19/02		M. Ricke	3550

Sample report continued . . .

# TestAmerica

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## ANALYTICAL REPORT

Laboratory Number: 02-A200688  
Sample ID: BG2W-6-10  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

ND - Not detected at the report limit.  
B - Analyte was detected in the method blank.  
J - Estimated Value below Report Limit.  
E - Estimated Value above the calibration limit of the instrument.  
S - Recovery outside Laboratory historical or method prescribed limits.  
All reported results for metals or Organic analyses have been corrected for dry weight.  
Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
BRENT JACOBS  
5900 WINDRARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207202

Sample ID: BG2-9C

Date Collected: 12/14/02

Project: 37778-010-1400

Time Collected: 12:30

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	mg/kg	0.120	50	12/31/02	15:45	Carmichael	8081A	5448
a-BHC	1.40	mg/kg	0.120	50	12/31/02	15:45	Carmichael	8081A	5448
b-BHC	ND	mg/kg	0.120	50	12/31/02	15:45	Carmichael	8081A	5448
d-BHC	ND	mg/kg	0.120	50	12/31/02	15:45	Carmichael	8081A	5448
g-BHC, Lindane	0.457	mg/kg	0.120	50	12/31/02	15:45	Carmichael	8081A	5448
4,4'-DDD	1.18	mg/kg	0.240	50	12/31/02	15:45	Carmichael	8081A	5448
4,4'-DDE	0.579	mg/kg	0.240	50	12/31/02	15:45	Carmichael	8081A	5448
4,4'-DDT	0.819	mg/kg	0.240	50	12/31/02	15:45	Carmichael	8081A	5448
Dieldrin	1.92	mg/kg	0.240	50	12/31/02	15:45	Carmichael	8081A	5448
Endosulfan I	ND	mg/kg	0.120	50	12/31/02	15:45	Carmichael	8081A	5448
Endosulfan II	ND	mg/kg	0.240	50	12/31/02	15:45	Carmichael	8081A	5448
Endosulfan sulfate	ND	mg/kg	0.240	50	12/31/02	15:45	Carmichael	8081A	5448
Endrin	ND	mg/kg	0.240	50	12/31/02	15:45	Carmichael	8081A	5448
Endrin aldehyde	ND	mg/kg	0.240	50	12/31/02	15:45	Carmichael	8081A	5448
Endrin Ketone	ND	mg/kg	0.240	50	12/31/02	15:45	Carmichael	8081A	5448
Heptachlor	ND	mg/kg	0.120	50	12/31/02	15:45	Carmichael	8081A	5448
Heptachlor epoxide	ND	mg/kg	0.120	50	12/31/02	15:45	Carmichael	8081A	5448
Methoxychlor	ND	mg/kg	1.20	50	12/31/02	15:45	Carmichael	8081A	5448
Toxaphene	41.2	mg/kg	9.64	20	12/31/02	15:45	Carmichael	8081A	5448
alpha-Chlordane	0.289	mg/kg	0.120	50	12/31/02	15:45	Carmichael	8081A	5448
gamma-Chlordane	1.88	mg/kg	0.120	50	12/31/02	15:45	Carmichael	8081A	5448
*METALS*									
Arsenic	1070	mg/kg	1.42	1	12/31/02	13:08	C. Martin	6010B	7686
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	69.1	%			12/23/02	15:30	K. Keller	CLP	7718

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
BRENT JACOBS

5900 WINDWARD HWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207202

Sample ID: BG2-SC

Date Collected: 12/14/02

Project: 37778-010-1400

Time Collected: 12:30

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/27/02		M. Cauthan	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix. 4,4' DDT result shows >40% difference between channels

# TestAmerica

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## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A200695  
Sample ID: BG3E-0-2  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: STEVEN SUSTEN

Date Collected: 12/ 5/02  
Time Collected: 16:30  
Date Received: 12/ 7/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.0196	10	12/24/02	17:42	Carmichael	8081A	271
a-BHC	ND	mg/kg	0.0196	10	12/24/02	17:42	Carmichael	8081A	271
b-BHC	ND	mg/kg	0.0196	10	12/24/02	17:42	Carmichael	8081A	271
d-BHC	ND	mg/kg	0.0196	10	12/24/02	17:42	Carmichael	8081A	271
g-BHC, Lindane	ND	mg/kg	0.0196	10	12/24/02	17:42	Carmichael	8081A	271
4,4'-DDD	0.292	mg/kg	0.0394	10	12/24/02	17:42	Carmichael	8081A	271
4,4'-DDE	0.0788	mg/kg	0.0394	10	12/24/02	17:42	Carmichael	8081A	271
4,4'-DDT	0.138	mg/kg	0.0394	10	12/24/02	17:42	Carmichael	8081A	271
Dieldrin	0.114	mg/kg	0.0394	10	12/24/02	17:42	Carmichael	8081A	271
Endosulfan I	ND	mg/kg	0.0196	10	12/24/02	17:42	Carmichael	8081A	271
Endosulfan II	ND	mg/kg	0.0394	10	12/24/02	17:42	Carmichael	8081A	271
Endosulfan sulfate	ND	mg/kg	0.0394	10	12/24/02	17:42	Carmichael	8081A	271
Endrin	ND	mg/kg	0.0394	10	12/24/02	17:42	Carmichael	8081A	271
Endrin aldehyde	ND	mg/kg	0.0394	10	12/24/02	17:42	Carmichael	8081A	271
Endrin Ketone	ND	mg/kg	0.0394	10	12/24/02	17:42	Carmichael	8081A	271
Heptachlor	0.110	mg/kg	0.0196	10	12/24/02	17:42	Carmichael	8081A	271
Heptachlor epoxide	ND	mg/kg	0.0196	10	12/24/02	17:42	Carmichael	8081A	271
Methoxychlor	ND	mg/kg	0.196	10	12/24/02	17:42	Carmichael	8081A	271
Toxaphene	ND	mg/kg	3.94	10	12/24/02	17:42	Carmichael	8081A	271
alpha-Chlordane	0.749	mg/kg	0.0985	50	12/24/02	17:42	Carmichael	8081A	271
gamma-Chlordane	0.946	mg/kg	0.0985	50	12/24/02	17:42	Carmichael	8081A	271
<b>*METALS*</b>									
Arsenic	012.	mg/kg	1.14	1	12/12/02	15:23	C.Johnson	6010B	9981

Sample report continued . . .

# TestAmerica

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## ANALYTICAL REPORT

Laboratory Number: 02-A200695  
 Sample ID: BG3E-0-2  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	84.5	%			12/20/02	14120	M. Ricke	CLP	9978

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.1 gm	10.0 ml	12/19/02		M. Ricke	3550

### LABORATORY COMMENTS:

ND - Not detected at the report limit.  
 B - Analyte was detected in the method blank.  
 J - Estimated Value below Report Limit.  
 E - Estimated Value above the calibration limit of the instrument.  
 R - Recovery outside Laboratory historical or method prescribed limits.  
 All reported results for metals or organic analytes have been corrected for dry weight.  
 Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.



# TestAmerica

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## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200696  
 Sample ID: BG3E-2-6  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 5/02  
 Time Collected: 16:40  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	ND	ug/kg	0.0045	1	12/24/02	18:44	Carmichael	8081A	271
Toxaphene	ND	ug/kg	0.451	1	12/24/02	18:44	Carmichael	8081A	271
<b>*METALS*</b>									
Arsenic	654.	ug/kg	1.31	1	12/12/02	15:23	C. Johnson	6010B	9981
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	73.8	%			12/20/02	14:20	M. Rieke	CLP	9978

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.9 gm	10.0 ml	12/19/02		M. Rieke	3550

Surrogate	% Recovery	Target Range
pest surr-TOM	285.8	48. - 132.
pest surr-DCS	97.	46. - 140.

Sample report continued . . .

# TestAmerica

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## ANALYTICAL REPORT

Laboratory Number: 02-A200696

Sample ID: BG3E-2-6

Project: 37778-010-1400

Page 2

### LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

S - Estimated Value above the calibration limit of the instrument.

R - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate outside QC limits due to sample matrix interference.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200697  
 Sample ID: BG3E-6-10  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 5/02  
 Time Collected: 16:50  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Dieldrin	ND	ug/kg	0.0047	1	12/24/02	19:16	Carmichael	8081A	271
Toxaphene	ND	ug/kg	0.477	1	12/24/02	19:15	Carmichael	8081A	271
<b>*METALS*</b>									
Arsenic	660.	ug/kg	1.42	1	12/12/02	15:23	C.Johnson	6010B	9961
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	69.8	%			12/20/02	14:20	M. Ricke	CLP	9978

Sample Extraction Data

Parameter	wt/vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Fast	29.6 gm	10.0 ml	12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TCDF	169.8	48. - 132.
pest surr-DCB	118.	46. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A200697

Sample ID: BG3E-6-10

Project: 37778-010-1400

Page 2

### LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

Q - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200692  
 Sample ID: BG3W-0-2  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 5/02  
 Time Collected: 15:50  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Aldrin	ND	ug/kg	0.0974	50	12/24/02	16:10	Carmichael	8081A	271
a-BHC	16.2	ug/kg	0.974	500	12/24/02	16:10	Carmichael	8081A	271
b-BHC	4.87	ug/kg	0.974	500	12/24/02	16:10	Carmichael	8081A	271
d-BHC	0.194	ug/kg	0.0974	50	12/24/02	16:10	Carmichael	8081A	271
g-BHC, Lindane	0.234	ug/kg	0.0974	50	12/24/02	16:10	Carmichael	8081A	271
4,4'-DDD	21.7	ug/kg	1.94	500	12/24/02	16:10	Carmichael	8081A	271
4,4'-DDE	10.9	ug/kg	1.94	500	12/24/02	16:10	Carmichael	8081A	271
4,4'-DDT	0.251	ug/kg	0.194	50	12/24/02	16:10	Carmichael	8081A	271
Dieldrin	2.55	ug/kg	0.194	50	12/24/02	16:10	Carmichael	8081A	271
Endosulfan I	ND	ug/kg	0.0974	50	12/24/02	16:10	Carmichael	8081A	271
Endosulfan II	0.487	ug/kg	0.194	50	12/24/02	16:10	Carmichael	8081A	271
Endosulfan sulfate	ND	ug/kg	0.194	50	12/24/02	16:10	Carmichael	8081A	271
Endrin	ND	ug/kg	0.194	50	12/24/02	16:10	Carmichael	8081A	271
Endrin aldehyde	ND	ug/kg	0.194	50	12/24/02	16:10	Carmichael	8081A	271
Endrin ketone	ND	ug/kg	0.194	50	12/24/02	16:10	Carmichael	8081A	271
Heptachlor	ND	ug/kg	0.0974	50	12/24/02	16:10	Carmichael	8081A	271
Heptachlor epoxide	ND	ug/kg	0.0974	50	12/24/02	16:10	Carmichael	8081A	271
Methoxychlor	ND	ug/kg	0.974	50	12/24/02	16:10	Carmichael	8081A	271
Toxaphene	113.	ug/kg	39.0	100	12/24/02	16:10	Carmichael	8081A	271
alpha-Chlordane	1.26	ug/kg	0.0974	50	12/24/02	16:10	Carmichael	8081A	271
gamma-Chlordane	1.67	ug/kg	0.0974	50	12/24/02	16:10	Carmichael	8081A	271
<b>*METALS*</b>									
Arsenic	2940	ug/kg	111.	100	12/12/02	15:23	C. Johnson	6010B	9981

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A200692  
 Sample ID: BG3W-0-2  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	85.4	%			12/20/02	14:20	M. Ricke	CLP	9978

### Sample Extraction Data

Parameter	Nt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC-Pest	30.2 gm	10.0 ml	12/19/02		M. Ricke	3550

### LABORATORY COMMENTS:

ND = Not detected at the report limit.  
 B = Analyte was detected in the method blank.  
 J = Estimated Value below Report Limit.  
 E = Estimated Value above the calibration limit of the instrument.  
 R = Recovery outside Laboratory historical or method prescribed limits.  
 All reported results for metals or Organic analyses have been corrected for dry weight.  
 Pesticide surrogate diluted below detectable levels due to sample matrix. Results for Dieldrin differ by more than 40 % on the two analytical columns.

P-3 of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200693  
 Sample ID: BG3W-2-6  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 5/02  
 Time Collected: 16:00  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.151	P mg/kg	0.0521	10	12/24/02	16:41	Carmichael	8081A	271
Toxaphene	ND	mg/kg	5.21	10	12/24/02	16:41	Carmichael	8081A	271
*METALS*									
Arsenic	903.	mg/kg	1.82	1	12/12/02	15:23	C. Johnson	6010B	9981
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	62.9	%			12/20/02	14:20	M. Ricke	CLP	9978

Sample Extraction Data

Parameter	WT/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.5 gm	10.0 ml	12/19/02		M. Ricke	3550

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A200693  
Sample ID: BG3W-2-6  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

ND - Not detected at the report limit.  
B - Analyte was detected in the method blank.  
J - Estimated Value below Report Limit.  
E - Estimated Value above the calibration limit of the instrument.  
S - Recovery outside Laboratory historical or method prescribed limits.  
All reported results for metals or Organic analyses have been corrected for dry weight.  
Pesticide surrogate diluted below detectable levels due to sample matrix. Results for Dieldrin differ by more than 40% on the two analytical columns.

End of Sample Report.



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200694  
 Sample ID: BG3W-6-10  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 5/02  
 Time Collected: 16:10  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Dieldrin	ND	mg/kg	0.0045	1	12/24/02	17:12	Carmichael	8081A	271
Toxaphene	ND	mg/kg	0.486	1	12/24/02	17:12	Carmichael	8081A	271
<b>*METALS*</b>									
Arsenic	17.0	mg/kg	1.30	1	12/12/02	15:23	C. Johnson	6010B	9981
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	73.1	%			12/20/02	14:20	M. Ricks	CLP	9978

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.2 gm	10.0 ml	12/19/02		M. Ricks	3850

Surrogate	% Recovery	Target Range
pest surr-TOX	117.	48. - 132.
pest surr-DCR	88.	45. - 140.

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 02-A200694

Sample ID: BG3W-6-10

Project: 37778-010-1400

Page 2

### LABORATORY COMMENTS:

MU - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD HWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207203

Sample ID: BG3-SC

Date Collected: 12/14/02

Project: 37778-010-1400

Time Collected: 13:02

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.0406	20	12/30/02	17:20	Carmichael	8081A	5448
a-BHC	ND	mg/kg	0.0406	20	12/30/02	17:20	Carmichael	8081A	5448
b-BHC	ND	mg/kg	0.0406	20	12/30/02	17:20	Carmichael	8081A	5448
d-BHC	ND	mg/kg	0.0406	20	12/30/02	17:20	Carmichael	8081A	5448
g-BHC, Lindane	0.227	mg/kg	0.0406	20	12/30/02	17:20	Carmichael	8081A	5448
4,4'-DDD	0.300	mg/kg	0.0812	20	12/30/02	17:20	Carmichael	8081A	5448
4,4'-DDE	0.235	mg/kg	0.0812	20	12/30/02	17:20	Carmichael	8081A	5448
4,4'-DDT	ND	mg/kg	0.0812	20	12/30/02	17:20	Carmichael	8081A	5448
Dieldrin	0.227	mg/kg	0.0812	20	12/30/02	17:20	Carmichael	8081A	5448
Endosulfan I	ND	mg/kg	0.0406	20	12/30/02	17:20	Carmichael	8081A	5448
Endosulfan II	ND	mg/kg	0.0812	20	12/30/02	17:20	Carmichael	8081A	5448
Endosulfan sulfate	ND	mg/kg	0.0812	20	12/30/02	17:20	Carmichael	8081A	5448
Endrin	ND	mg/kg	0.0812	20	12/30/02	17:20	Carmichael	8081A	5448
Endrin aldehyde	ND	mg/kg	0.0812	20	12/30/02	17:20	Carmichael	8081A	5448
Endrin Ketone	ND	mg/kg	0.0812	20	12/30/02	17:20	Carmichael	8081A	5448
Heptachlor	ND	mg/kg	0.0406	20	12/30/02	17:20	Carmichael	8081A	5448
Heptachlor epoxide	ND	mg/kg	0.0406	20	12/30/02	17:20	Carmichael	8081A	5448
Methoxychlor	ND	mg/kg	0.406	20	12/30/02	17:20	Carmichael	8081A	5448
Toxaphene	34.6	mg/kg	8.12	20	12/30/02	17:20	Carmichael	8081A	5448
alpha-Chlordane	0.463	mg/kg	0.0406	20	12/30/02	17:20	Carmichael	8081A	5448
gamma-Chlordane	0.682	mg/kg	0.0406	20	12/30/02	17:20	Carmichael	8081A	5448
<b>*METALS*</b>									
Arsenic	1660	mg/kg	1.21	1	12/31/02	13:08	C. Martin	6010B	7686
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	82.0	%			12/23/02	15:30	K. Keller	CLP	7718

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A207203

Sample ID: BG3-SC

Date Collected: 12/14/02

Project: 37778-010-1400

Time Collected: 13:02

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.3 gm	10.0 ml	12/27/02		N. Cauthen	3550

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix. Dieldrin result shows >40% difference between channels.

# TestAmerica

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## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207981  
Sample ID: BG4E 0-3  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHRIS MILLER

Date Collected: 12/16/02  
Time Collected: 13:45  
Date Received: 12/18/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Match
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Aldrin	ND	ug/kg	0.0025	1	1/ 1/03	0:54	Carmichael	8081A	6959
a-BHC	0.0028	ug/kg	0.0025	1	1/ 1/03	0:54	Carmichael	8081A	6959
b-BHC	0.0064 P	ug/kg	0.0025	1	1/ 1/03	0:54	Carmichael	8081A	6959
d-BHC	ND	ug/kg	0.0025	1	1/ 1/03	0:54	Carmichael	8081A	6959
g-BHC, Lindane	ND	ug/kg	0.0025	1	1/ 1/03	0:54	Carmichael	8081A	6959
4,4'-DDD	ND J	ug/kg	0.0050	1	1/ 1/03	0:54	Carmichael	8081A	6959
4,4'-DDE	0.0059	ug/kg	0.0050	1	1/ 1/03	0:54	Carmichael	8081A	6959
4,4'-DDT	ND J	ug/kg	0.0050	1	1/ 1/03	0:54	Carmichael	8081A	6959
Dieldrin	ND	ug/kg	0.0050	1	1/ 1/03	0:54	Carmichael	8081A	6959
Endosulfan I	ND	ug/kg	0.0025	1	1/ 1/03	0:54	Carmichael	8081A	6959
Endosulfan II	ND	ug/kg	0.0050	1	1/ 1/03	0:54	Carmichael	8081A	6959
Endosulfan sulfate	ND	ug/kg	0.0050	1	1/ 1/03	0:54	Carmichael	8081A	6959
Endrin	ND	ug/kg	0.0050	1	1/ 1/03	0:54	Carmichael	8081A	6959
Endrin aldehyde	ND	ug/kg	0.0050	1	1/ 1/03	0:54	Carmichael	8081A	6959
Endrin Ketone	ND	ug/kg	0.0050	1	1/ 1/03	0:54	Carmichael	8081A	6959
Heptachlor	ND	ug/kg	0.0025	1	1/ 1/03	0:54	Carmichael	8081A	6959
Heptachlor epoxide	ND	ug/kg	0.0025	1	1/ 1/03	0:54	Carmichael	8081A	6959
Methoxychlor	ND	ug/kg	0.0248	1	1/ 1/03	0:54	Carmichael	8081A	6959
Toxaphene	ND	ug/kg	0.494	1	1/ 1/03	0:54	Carmichael	8081A	6959
alpha-Chlordane	ND	ug/kg	0.0025	1	1/ 1/03	0:54	Carmichael	8081A	6959
gamma-Chlordane	ND	ug/kg	0.0025	1	1/ 1/03	0:54	Carmichael	8081A	6959
<b>*METALS*</b>									
Arsenic	464.	ug/kg	1.34	1	12/31/02	13:38	C. Martin	6010B	6629

Sample report continued . . .

# TestAmerica

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## ANALYTICAL REPORT

Laboratory Number: 02-A207981  
Sample ID: BG4E 0-3  
Project: 37778-010-1400  
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	80.0	%			12/30/02	14:30	K. Keller	CLP	6632

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	25.3 gm	10.0 ml	12/30/02		M. Cauthen	3880

Surrogate	% Recovery	Target Range
pest surr-TCX	112.	48. - 132.
pest surr-DCB	120.	46. - 140.

**LABORATORY COMMENTS:**

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - K - Estimated Value above the calibration limit of the instrument.
  - F - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or organic analysis have been corrected for dry weight.  
beta-BMC result shows >40% difference between channels

End of Sample Report.

# TestAmerica

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## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A207982  
 Sample ID: BG4E 3-6  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHRIS MILLER

Date Collected: 12/16/02  
 Time Collected: 13:58  
 Date Received: 12/18/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*Pesticide/PCB's/HERBICIDES*</b>									
Dieldrin	ND	ug/kg	0.0043	1	1/ 1/03	1:23	Carmichael	8081A	6959
Toxaphene	ND	ug/kg	0.436	1	1/ 1/03	1:23	Carmichael	8081A	6959
<b>*METALS*</b>									
Arsenic	830.	ug/kg	1.31	1	12/31/02	13:28	C. Martin	4010B	8629
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	76.3	%			12/30/02	14:30	K. Keller	CLP	8632

### Sample Extraction Data

Parameter	Wt/vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/30/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TOX	102.	48. - 132.
pest surr-DCB	122.	46. - 140.

Sample report continued . . .

# TestAmerica

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## ANALYTICAL REPORT

Laboratory Number: 02-A207982  
Sample ID: BG4E 3-6  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - \* - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample report.



# TestAmerica

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## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A207983  
 Sample ID: BG4E 6-10  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHRIS MILLER

Date Collected: 12/16/02  
 Time Collected: 14:05  
 Date Received: 12/18/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	ND	mg/kg	0.0046	1	1/ 1/03	2:40	Carmichael	8081A	6959
Toxaphene	ND	mg/kg	0.464	1	1/ 1/03	2:50	Carmichael	8081A	6959
<b>*METALS*</b>									
Arsenic	1000	mg/kg	1.36	1	12/31/02	13:28	C. Martin	6010B	8629
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	71.8	%			12/30/02	14:30	K. Keller	CLP	8632

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Post	30.0 gm	10.0 ml	12/30/02		M. Cauthan	3550

Surrogate	% Recovery	Target Range
post surr-TCM	100.	48. - 132.
post surr-DCB	100.	46. - 140.

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 02-A207983  
Sample ID: BG4E 6-10  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

X - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or organic analyses have been corrected for dry weight.

End of Sample Report.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A205888

Sample ID: BG47-0-2

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 16:35

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	mg/kg	0.0022	1	12/28/02	18:10	Carmichael	8081A	3994
a-BHC	0.0047	mg/kg	0.0022	1	12/28/02	18:10	Carmichael	8081A	3994
b-BHC	0.0207	mg/kg	0.0022	1	12/28/02	18:10	Carmichael	8081A	3994
d-BHC	ND	mg/kg	0.0022	1	12/28/02	18:10	Carmichael	8081A	3994
g-BHC, Lindane	ND	mg/kg	0.0022	1	12/28/02	18:10	Carmichael	8081A	3994
4,4'-DDD	0.0324	mg/kg	0.0042	1	12/28/02	18:10	Carmichael	8081A	3994
4,4'-DDE	0.0156	mg/kg	0.0042	1	12/28/02	18:10	Carmichael	8081A	3994
4,4'-DDT	ND	mg/kg	0.0042	1	12/28/02	18:10	Carmichael	8081A	3994
Dieldrin	ND	mg/kg	0.0042	1	12/28/02	18:10	Carmichael	8081A	3994
Endosulfan I	ND	mg/kg	0.0022	1	12/28/02	18:10	Carmichael	8081A	3994
Endosulfan II	ND	mg/kg	0.0042	1	12/28/02	18:10	Carmichael	8081A	3994
Endosulfan sulfate	ND	mg/kg	0.0042	1	12/28/02	18:10	Carmichael	8081A	3994
Endrin	ND	mg/kg	0.0042	1	12/28/02	18:10	Carmichael	8081A	3994
Endrin aldehyde	ND	mg/kg	0.0042	1	12/28/02	18:10	Carmichael	8081A	3994
Endrin Ketone	ND	mg/kg	0.0042	1	12/28/02	18:10	Carmichael	8081A	3994
Heptachlor	ND	mg/kg	0.0022	1	12/28/02	18:10	Carmichael	8081A	3994
Heptachlor epoxide	ND	mg/kg	0.0022	1	12/28/02	18:10	Carmichael	8081A	3994
Methoxychlor	ND	mg/kg	0.0210	1	12/28/02	18:10	Carmichael	8081A	3994
Toxaphene	ND	mg/kg	0.422	1	12/28/02	18:10	Carmichael	8081A	3994
alpha-Chlordane	ND	mg/kg	0.0022	1	12/28/02	18:10	Carmichael	8081A	3994
gamma-Chlordane	ND	mg/kg	0.0022	1	12/28/02	18:10	Carmichael	8081A	3994
*METALS*									
Arsenic	146.	mg/kg	1.25	1	12/27/02	10:22	C. Martin	6010B	5838
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	78.9	%			12/20/02	11:37	M. Ricke	CLP	5837

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A205888

Sample ID: BG4W-0-2

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 16:35

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/26/02		M. Ricks	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	123.	48. - 132.
pest surr-DCB	111.	46. - 140.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A205889

Sample ID: BC4R-2-6

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 16:40

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.0507	mg/kg	0.0043	1	12/28/02	8:10	Carmichael	8081A	3994
Toxaphene	ND	mg/kg	0.438	1	12/28/02	8:10	Carmichael	8081A	3994
*METALS*									
Arsenic	853.	mg/kg	1.29	1	12/27/02	10:22	C. Martin	6010B	5838
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	76.1	%			12/20/02	11:37	M. Ricke	CLP	5837

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.9 gm	10.0 ml	12/26/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	109.	48. - 132.
pest surr-DCB	98.	46. - 140.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD HWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A205889

Sample ID: BG4W-2-6

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 16:40

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A205890

Sample ID: BG4W-6-10

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 16:55

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0047	1	12/28/02	8:41	Carmichael	8081A	3994
Toxaphene	ND	mg/kg	0.474	1	12/28/02	8:41	Carmichael	8081A	3994
*METALS*									
Arsenic	311.	mg/kg	1.35	1	12/27/02	10:22	C. Martin	6010B	5838
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	70.2	%			12/20/02	11:37	M. Ricke	CLP	5837

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/26/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TMX	93.	48. - 132.
pest surr-DCB	90.	46. - 140.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A205890

Sample ID: BG4W-6-10

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 16:55

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f --Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.



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## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A208019  
Sample ID: BG4-SC  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHRIS MILLER

Date Collected: 12/17/02  
Time Collected: 9:20  
Date Received: 12/18/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	ug/kg	0.0023	1	1/ 3/03	10:00	Carmichael	8081A	6958
a-BHC	ND	ug/kg	0.0023	1	1/ 3/03	10:00	Carmichael	8081A	6958
b-BHC	0.0140	ug/kg	0.0023	1	1/ 3/03	10:00	Carmichael	8081A	6958
d-BHC	ND	ug/kg	0.0023	1	1/ 3/03	10:00	Carmichael	8081A	6958
g-BHC, Lindane	ND	ug/kg	0.0023	1	1/ 3/03	10:00	Carmichael	8081A	6958
4,4'-DDD	0.0217	ug/kg	0.0045	1	1/ 3/03	10:00	Carmichael	8081A	6958
4,4'-DDE	0.0204	ug/kg	0.0045	1	1/ 3/03	10:00	Carmichael	8081A	6958
4,4'-DDT	0.0113 BP	ug/kg	0.0045	1	1/ 3/03	10:00	Carmichael	8081A	6958
Dieldrin	ND	ug/kg	0.0045	1	1/ 3/03	10:00	Carmichael	8081A	6958
Endosulfan I	ND	ug/kg	0.0023	1	1/ 3/03	10:00	Carmichael	8081A	6958
Endosulfan II	ND	ug/kg	0.0045	1	1/ 3/03	10:00	Carmichael	8081A	6958
Endosulfan sulfate	ND	ug/kg	0.0045	1	1/ 3/03	10:00	Carmichael	8081A	6958
Endrin	ND	ug/kg	0.0045	1	1/ 3/03	10:00	Carmichael	8081A	6958
Endrin aldehyde	ND	ug/kg	0.0045	1	1/ 3/03	10:00	Carmichael	8081A	6958
Endrin Ketone	ND	ug/kg	0.0045	1	1/ 3/03	10:00	Carmichael	8081A	6958
Heptachlor	ND	ug/kg	0.0023	1	1/ 3/03	10:00	Carmichael	8081A	6958
Heptachlor epoxide	ND	ug/kg	0.0023	1	1/ 3/03	10:00	Carmichael	8081A	6958
Methoxychlor	ND	ug/kg	0.0225	1	1/ 3/03	10:00	Carmichael	8081A	6958
Toxaphene	ND	ug/kg	0.452	1	1/ 3/03	10:00	Carmichael	8081A	6958
alpha-Chlordane	ND	ug/kg	0.0023	1	1/ 3/03	10:00	Carmichael	8081A	6958
gamma-Chlordane	0.0176	ug/kg	0.0023	1	1/ 3/03	10:00	Carmichael	8081A	6958
<b>*METALS*</b>									
Arsenic	551.	ug/kg	1.30	1	1/ 2/03	11:57	C. Martin	6010B	8631

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 02-A208019  
 Sample ID: BG4-SC  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	73.7	%			12/30/02	14:30	K. Keller	CLP	8634

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/31/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TCX	98.	48. - 132.
pest surr-DCM	114.	46. - 140.

LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - † - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

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## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A200701  
Sample ID: BG5E-0-2.5  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: STEVEN SUSTEN

Date Collected: 12/ 5/02  
Time Collected: 14:15  
Date Received: 12/ 7/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCP's/HERBICIDES*</b>									
Aldrin	ND	ng/kg	0.0397	20	12/24/02	23:23	Carmichael	8081A	271
a-BHC	0.276	ng/kg	0.0397	20	12/24/02	23:23	Carmichael	8081A	271
b-BHC	0.206	ng/kg	0.0397	20	12/24/02	23:23	Carmichael	8081A	271
g-BHC	0.0477	ng/kg	0.0397	20	12/24/02	23:23	Carmichael	8081A	271
g-BHC, Lindane	0.0715 P	ng/kg	0.0397	20	12/24/02	23:23	Carmichael	8081A	271
4,4'-DDD	0.427	ng/kg	0.0795	20	12/24/02	23:23	Carmichael	8081A	271
4,4'-DDE	0.0875	ng/kg	0.0795	20	12/24/02	23:23	Carmichael	8081A	271
4,4'-DDT	ND	ng/kg	0.0795	20	12/24/02	23:23	Carmichael	8081A	271
Dieldrin	ND	ng/kg	0.0795	20	12/24/02	23:23	Carmichael	8081A	271
Endosulfan I	ND	ng/kg	0.0397	20	12/24/02	23:23	Carmichael	8081A	271
Endosulfan II	ND	ng/kg	0.0795	20	12/24/02	23:23	Carmichael	8081A	271
Endosulfan sulfate	ND	ng/kg	0.0795	20	12/24/02	23:23	Carmichael	8081A	271
Endrin	ND	ng/kg	0.0795	20	12/24/02	23:23	Carmichael	8081A	271
Endrin aldehyde	ND	ng/kg	0.0795	20	12/24/02	23:23	Carmichael	8081A	271
Endrin Ketone	ND	ng/kg	0.0795	20	12/24/02	23:23	Carmichael	8081A	271
Heptachlor	ND	ng/kg	0.0397	20	12/24/02	23:23	Carmichael	8081A	271
Heptachlor epoxide	ND	ng/kg	0.0397	20	12/24/02	23:23	Carmichael	8081A	271
Methoxychlor	ND	ng/kg	0.397	20	12/24/02	23:23	Carmichael	8081A	271
Toxaphene	ND	ng/kg	7.95	20	12/24/02	23:23	Carmichael	8081A	271
alpha-Chlordane	ND	ng/kg	0.0397	20	12/24/02	23:23	Carmichael	8081A	271
gamma-Chlordane	ND	ng/kg	0.0397	20	12/24/02	23:23	Carmichael	8081A	271
<b>*METALS*</b>									
Arsenic	161.	ng/kg	1.16	1	12/12/02	15:23	C. Johnson	60109	9901

Sample report continued . . .

# Test America

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## ANALYTICAL REPORT

Laboratory Number: 02-A200701  
Sample ID: BG5E-0-2.5  
Project: 37778-010-1400  
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	83.8	%			12/20/02	14:20	M. Ricks	CLP	9978

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.3 gm	10.0 ml	12/19/02		M. Ricks	3550

### LABORATORY COMMENTS:

ND - Not detected at the report limit.  
 B - Analyte was detected in the method blank.  
 J - Estimated Value below Report Limit.  
 E - Estimated Value above the calibration limit of the instrument.  
 R - Recovery outside Laboratory historical or method prescribed limits.  
 All reported results for metals or Organic analyses have been corrected for dry weight.  
 Pesticide surrogate diluted below detectable levels due to sample matrix. Results for gamma-BHC differ by more than 40 % on the two analytical columns.

End of Sample Report.

# TestAmerica

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## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200702  
 Sample ID: BG5E-2.5-6  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 5/02  
 Time Collected: 14:20  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Dieldrin	ND	ng/kg	0.0043	1	12/24/02	23:54	Carmichael	8081A	271
Toxaphene	ND	ng/kg	0.431	1	12/24/02	23:54	Carmichael	8081A	271
<b>*METALS*</b>									
Arsenic	12.3	ng/kg	1.28	1	12/12/02	16:23	C.Johnson	6010B	9981
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	77.2	%			12/20/02	14:20	M. Rieke	CLP	9978

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pwd	30.3 gm	10.0 ml	12/19/02		M. Rieke	2850

Surrogate	% Recovery	Target Range
pest surr-TMX	106.	48. - 132.
pest surr-DCB	98.	46. - 140.

Sample report continued . . .

# TestAmerica

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## **ANALYTICAL REPORT**

Laboratory Number: 02-A200702

Sample ID: BG5E-2.5-6

Project: 37778-010-1400

Page 2

### **LABORATORY COMMENTS:**

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

R - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# Test America

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## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200703  
 Sample ID: BG5E-6-10  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 5/02  
 Time Collected: 14:30  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	ND	mg/kg	0.0044	1	12/25/02	0:25	Cornichael	8081A	271
Toxaphene	ND	mg/kg	0.443	1	12/25/02	0:25	Cornichael	8081A	271
<b>*METALS*</b>									
Arsenic	17.8	mg/kg	1.32	1	12/12/02	15:21	C. Johnson	6010B	9981
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	78.1	%			12/20/02	14:20	M. Riecke	CLP	9978

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.5 gm	10.0 ml	12/19/02		M. Riecke	3550

Surrogate	% Recovery	Target Range
pest surr-TOX	103.	48. - 132.
pest surr-DCB	118.	45. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A200703  
Sample ID: BG5E-6-10  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - ‡ - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.



# TestAmerica

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## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A200698  
Sample ID: BGSW-0-3.5  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: STEVEN SUSTEN

Date Collected: 12/ 5/02  
Time Collected: 10:45  
Date Received: 12/ 7/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.106	50	12/24/02	19:46	Carmichael	8081A	271
a-BHC	ND	mg/kg	0.106	50	12/24/02	19:46	Carmichael	8081A	271
b-BHC	ND	mg/kg	0.106	50	12/24/02	19:46	Carmichael	8081A	271
d-BHC	ND	mg/kg	0.106	50	12/24/02	19:46	Carmichael	8081A	271
γ-BHC, Lindane	ND	mg/kg	0.106	50	12/24/02	19:46	Carmichael	8081A	271
4,4'-DDD	ND	mg/kg	0.211	50	12/24/02	19:46	Carmichael	8081A	271
4,4'-DDE	ND	mg/kg	0.211	50	12/24/02	19:46	Carmichael	8081A	271
4,4'-DDT	ND	mg/kg	0.211	50	12/24/02	19:46	Carmichael	8081A	271
Dieldrin	ND	mg/kg	2.11	500	12/24/02	19:46	Carmichael	8081A	271
Endosulfan I	ND	mg/kg	0.106	50	12/24/02	19:46	Carmichael	8081A	271
Endosulfan II	ND	mg/kg	0.211	50	12/24/02	19:46	Carmichael	8081A	271
Endosulfan sulfate	ND	mg/kg	0.211	50	12/24/02	19:46	Carmichael	8081A	271
Endrin	8.26	mg/kg	2.11	500	12/24/02	19:46	Carmichael	8081A	271
Endrin aldehyde	ND	mg/kg	0.211	50	12/24/02	19:46	Carmichael	8081A	271
Endrin Ketone	ND	mg/kg	0.211	50	12/24/02	19:46	Carmichael	8081A	271
Heptachlor	ND	mg/kg	0.106	50	12/24/02	19:46	Carmichael	8081A	271
Heptachlor epoxide	ND	mg/kg	0.106	50	12/24/02	19:46	Carmichael	8081A	271
Methoxychlor	ND	mg/kg	1.06	50	12/24/02	19:46	Carmichael	8081A	271
Toxaphene	ND	mg/kg	21.1	50	12/24/02	19:46	Carmichael	8081A	271
alpha-Chlordane	ND	mg/kg	0.106	50	12/24/02	19:46	Carmichael	8081A	271
gamma-Chlordane	ND	mg/kg	0.106	50	12/24/02	19:46	Carmichael	8081A	271
<b>*METALS*</b>									
Arsenic	459.	mg/kg	1.23	1	12/12/02	19:23	C. Johnson	6010B	9981

Sample report continued . . .

# TestAmerica

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## ANALYTICAL REPORT

Laboratory Number: 02-A200698

Sample ID: BG5W-0-3.5

Project: 37778-010-1400

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	78.6	%			12/20/02	14:20	M. Rieke	CLP	9978

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	10.5 gm	10.0 ml	12/19/02		M. Rieke	3550

### LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

¶ - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.

# TestAmerica

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## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200699  
 Sample ID: BG5W-3.5-6  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 5/02  
 Time Collected: 10:55  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil. Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	ND	mg/kg	2.16	500	12/24/02	21:50	Caraicheal	8081A	271
Toxaphene	ND	mg/kg	21.6	50	12/24/02	21:50	Caraicheal	8081A	271
<b>*METALS*</b>									
Arsenic	747.	mg/kg	1.30	1	12/12/02	15:23	C.Johnson	6010B	9981
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	77.0	%			12/20/02	14:20	M. Ricks	CLP	9978

Sample Extraction Data

Parameter	Mt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	30.3 gw	10.0 ml	12/19/02			M. Ricks	3550

Sample report continued . . .

# TestAmerica

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## ANALYTICAL REPORT

Laboratory Number: 02-A200699

Sample ID: BG5W-3.5-6

Project: 37778-010-1400

Page 2

### LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyzes have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200700  
 Sample ID: BG5W-6-10  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 5/02  
 Time Collected: 11:15  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Dieldrin	ND	ug/kg	0.0221	5	12/24/02	22:52	Carmichael	8081A	271
Toxaphene	ND	ug/kg	2.21	5	12/24/02	22:52	Carmichael	8081A	271
<b>*METALS*</b>									
Arsenic	342.	ug/kg	1.26	1	12/12/02	15:23	C.Johnson	60108	9981
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	75.1	%			12/20/02	14:20	M. Rieke	CLP	9978

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.2 gm	10.0 ml	12/19/02		M. Rieke	3550

Sample report continued . . .

# TestAmerica

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## ANALYTICAL REPORT

Laboratory Number: 02-A200700  
Sample ID: BG5W-6-10  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

ND - Not detected at the report limit.  
B - Analyte was detected in the method blank.  
J - Estimated Value below Report Limit.  
I - Estimated Value above the calibration limit of the instrument.  
§ - Recovery outside Laboratory historical or method prescribed limits.  
All reported results for metals or Organic analyses have been corrected for dry weight.  
Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207204

Sample ID: BG5-SC

Date Collected: 12/14/02

Project: 37778-010-1400

Time Collected: 13:30

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.114	50	12/31/02	16:14	Carmichael	8081A	5448
a-BHC	ND	mg/kg	0.114	50	12/31/02	16:14	Carmichael	8081A	5448
b-BHC	ND	mg/kg	0.114	50	12/31/02	16:14	Carmichael	8081A	5448
d-BHC	ND	mg/kg	0.114	50	12/31/02	16:14	Carmichael	8081A	5448
g-BHC, Lindane	ND	mg/kg	0.114	50	12/31/02	16:14	Carmichael	8081A	5448
4,4'-DDD	2.65	mg/kg	0.228	50	12/31/02	16:14	Carmichael	8081A	5448
4,4'-DOE	0.846	mg/kg	0.228	50	12/31/02	16:14	Carmichael	8081A	5448
4,4'-DDT	0.640	mg/kg	0.228	50	12/31/02	16:14	Carmichael	8081A	5448
Dieldrin	1.21	mg/kg	0.228	50	12/31/02	16:14	Carmichael	8081A	5448
Endosulfan I	ND	mg/kg	0.114	50	12/31/02	16:14	Carmichael	8081A	5448
Endosulfan II	ND	mg/kg	0.228	50	12/31/02	16:14	Carmichael	8081A	5448
Endosulfan sulfate	ND	mg/kg	0.228	50	12/31/02	16:14	Carmichael	8081A	5448
Endrin	ND	mg/kg	0.228	50	12/31/02	16:14	Carmichael	8081A	5448
Endrin aldehyde	ND	mg/kg	0.228	50	12/31/02	16:14	Carmichael	8081A	5448
Endrin Ketone	ND	mg/kg	0.228	50	12/31/02	16:14	Carmichael	8081A	5448
Heptachlor	ND	mg/kg	0.114	50	12/31/02	16:14	Carmichael	8081A	5448
Heptachlor epoxide	ND	mg/kg	0.114	50	12/31/02	16:14	Carmichael	8081A	5448
Methoxychlor	ND	mg/kg	1.14	50	12/31/02	16:14	Carmichael	8081A	5448
Toxaphene	ND	mg/kg	22.8	50	12/31/02	16:14	Carmichael	8081A	5448
alpha-Chlordane	ND	mg/kg	0.114	50	12/31/02	16:14	Carmichael	8081A	5448
gamma-Chlordane	ND	mg/kg	0.114	50	12/31/02	16:14	Carmichael	8081A	5448
<b>*METALS*</b>									
Arsenic	1260	mg/kg	1.37	1	12/31/02	13:08	C. Martin	6010B	7686
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	72.8	%			12/23/02	15:30	K. Keller	CLP	7718

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207204

Sample ID: BG5-SC

Date Collected: 12/14/02

Project: 37778-010-1400

Time Collected: 13:30

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/27/02		M. Cauthen	3550

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix. 4,4'DDT result shows >40% difference between channels.



# TestAmerica

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## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A200707  
Sample ID: BG6E-0-2  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: STEVEN SUSTEN

Date Collected: 12/ 5/02  
Time Collected: 15:05  
Date Received: 12/ 7/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Aldrin	ND	wg/kg	0.0214	10	12/24/02	1:31	Carmichael	8081A	270
a-BHC	0.0387	wg/kg	0.0214	10	12/24/02	1:31	Carmichael	8081A	270
b-BHC	0.271	wg/kg	0.0214	10	12/24/02	1:31	Carmichael	8081A	270
d-BHC	0.0387	wg/kg	0.0214	10	12/24/02	1:31	Carmichael	8081A	270
g-BHC, Lindane	ND	wg/kg	0.0214	10	12/24/02	1:31	Carmichael	8081A	270
4,4'-DDD	2.36	wg/kg	0.430	100	12/24/02	1:31	Carmichael	8081A	270
4,4'-DDE	0.426	wg/kg	0.0430	10	12/24/02	1:31	Carmichael	8081A	270
4,4'-DDT	1.33	wg/kg	0.430	100	12/24/02	1:31	Carmichael	8081A	270
Dieldrin	0.343	wg/kg	0.0430	10	12/24/02	1:31	Carmichael	8081A	270
Endosulfan I	ND	wg/kg	0.0214	10	12/24/02	1:31	Carmichael	8081A	270
Endosulfan II	ND	wg/kg	0.0430	10	12/24/02	1:31	Carmichael	8081A	270
Endosulfan sulfate	ND	wg/kg	0.0430	10	12/24/02	1:31	Carmichael	8081A	270
Endrin	ND	wg/kg	0.0430	10	12/24/02	1:31	Carmichael	8081A	270
Endrin aldehyde	ND	wg/kg	0.0430	10	12/24/02	1:31	Carmichael	8081A	270
Endrin Ketone	ND	wg/kg	0.0430	10	12/24/02	1:31	Carmichael	8081A	270
Heptachlor	ND	wg/kg	0.0214	10	12/24/02	1:31	Carmichael	8081A	270
Heptachlor epoxide	ND	wg/kg	0.0214	10	12/24/02	1:31	Carmichael	8081A	270
Methoxychlor	ND	wg/kg	0.214	10	12/24/02	1:31	Carmichael	8081A	270
Toxaphene	ND	wg/kg	2.14	10	12/24/02	1:31	Carmichael	8081A	270
alpha-Chlordane	0.0601 P	wg/kg	0.0214	10	12/24/02	1:31	Carmichael	8081A	270
gamma-Chlordane	0.168 P	wg/kg	0.0214	10	12/24/02	1:31	Carmichael	8081A	270
<b>*METALS*</b>									
Arsenic	433.	wg/kg	1.26	1	12/12/02	11:36	C. Johnson	6010B	9982

Sample report continued . . .

# TestAmerica

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## ANALYTICAL REPORT

Laboratory Number: 02-A200707  
 Sample ID: BG6E-0-2  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	77.5	%			12/30/02	11:42	M. Ricks	CLP	9979

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Past	29.9 gm	10.0 ml	12/19/02		M. Ricks	3550

### LABORATORY COMMENTS:

ND - Not detected at the report limit.  
 B - Analyte was detected in the method blank.  
 J - Estimated Value below Report Limit.  
 X - Estimated Value above the calibration limit of the instrument.  
 \$ - Recovery outside laboratory historical or method prescribed limits.  
 All reported results for metals or organic analyses have been corrected for dry weight.  
 Pesticide surrogate diluted below detectable levels due to sample matrix.  
 Results for gamma-chlordane differ by more than 40 Percent on the two columns used for analysis.

End of Sample Report.

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## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200708  
 Sample ID: BG6E-2-6-  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 5/02  
 Time Collected: 15:15  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	0.0249	ug/kg	0.0044	1	12/24/02	2:28	Carmichael	8081A	270
Toxaphene	ND	ug/kg	0.223	1	12/24/02	2:28	Carmichael	8081A	270
<b>*METALS*</b>									
Arsenic	91.7	ug/kg	1.30	1	12/12/02	11:36	C. Johnson	6010M	9982
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	74.6	%			12/20/02	11:42	M. Ricks	CLP	9979

Sample Extraction Data

Parameter	WL/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	30.0 gm	10.0 ml	12/19/02		M. Ricks	3550

Surrogate	% Recovery	Target Range
pest surr-TDX	118.	48. - 132.
pest surr-DCB	96.	46. - 140.

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 02-A200708  
Sample ID: BG6E-2-6-  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

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## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200709  
 Sample ID: BG6E-6-10  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 5/02  
 Time Collected: 15:25  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	nil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	ND	mg/kg	0.0046	1	12/24/02	2:57	Carmichael	8081A	270
Toxaphene	ND	mg/kg	0.231	1	12/24/02	2:57	Carmichael	8081A	270
<b>*METALS*</b>									
Arsenic	11.4	mg/kg	1.30	1	12/12/02	11:36	C. Johnson	6010B	9982
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	71.9	%			12/20/02	11:42	M. Ricke	CLP	9979

Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	29.5 gm	10.0 ml		12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	126.	48. - 132.
pest surr-DCB	98.	46. - 140.

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 02-A200709  
Sample ID: BG6E-6-10  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

S - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

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## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200704  
 Sample ID: BG6W-0-2  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 5/02  
 Time Collected: 13:30  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	ug/kg	0.0425	20	12/25/02	0:56	Carmichael	8081A	271
a-BHC	0.0594	ug/kg	0.0425	20	12/25/02	0:56	Carmichael	8081A	271
b-BHC	0.336	ug/kg	0.0425	20	12/25/02	0:56	Carmichael	8081A	271
d-BHC	ND	ug/kg	0.0425	20	12/25/02	0:56	Carmichael	8081A	271
g-BHC, Lindane	ND	ug/kg	0.0425	20	12/25/02	0:56	Carmichael	8081A	271
4,4'-DDD	3.61	ug/kg	0.425	100	12/25/02	0:56	Carmichael	8081A	271
4,4'-DDE	1.40	ug/kg	0.425	100	12/25/02	0:56	Carmichael	8081A	271
4,4'-DDT	0.467	ug/kg	0.0849	20	12/25/02	0:56	Carmichael	8081A	271
Dieldrin	1.71	ug/kg	0.0849	20	12/25/02	0:56	Carmichael	8081A	271
Endosulfan I	ND	ug/kg	0.0425	20	12/25/02	0:56	Carmichael	8081A	271
Endosulfan II	ND	ug/kg	0.0849	20	12/25/02	0:56	Carmichael	8081A	271
Endosulfan sulfate	ND	ug/kg	0.0849	20	12/25/02	0:56	Carmichael	8081A	271
Endrin	ND	ug/kg	0.0849	20	12/25/02	0:56	Carmichael	8081A	271
Endrin aldehyde	ND	ug/kg	0.0849	20	12/25/02	0:56	Carmichael	8081A	271
Endrin Ketone	0.374	ug/kg	0.0849	20	12/25/02	0:56	Carmichael	8081A	271
Heptachlor	ND	ug/kg	0.0425	20	12/25/02	0:56	Carmichael	8081A	271
Heptachlor epoxide	ND	ug/kg	0.0425	20	12/25/02	0:56	Carmichael	8081A	271
Methoxychlor	ND	ug/kg	0.425	20	12/25/02	0:56	Carmichael	8081A	271
Toxaphene	19.0	ug/kg	5.49	20	12/25/02	0:56	Carmichael	8081A	271
alpha-Chlordane	0.221	ug/kg	0.0425	20	12/25/02	0:56	Carmichael	8081A	271
gamma-Chlordane	0.485	ug/kg	0.0425	20	12/25/02	0:56	Carmichael	8081A	271
<b>*METALS*</b>									
Arsenic	3330	ug/kg	122	100	12/12/02	11:36	C. Johnson	6010B	9982

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A200704

Sample ID: BG6W-0-2

Project: 37778-010-1400

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	78.4	%			12/20/02	14:20	M. Rieke	CLP	9979

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.2 gm	10.0 ml	12/19/02		M. Rieke	9550

### LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analysis have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to

sample matrix. Results for DDT differ by more than 40 %

on the two analytical columns.

End of Sample Report.



# TestAmerica

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## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200705  
 Sample ID: BG6W-2-6  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 5/02  
 Time Collected: 13:45  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCB's/HERBICIDES*</b>									
Dieldrin	ND	ug/kg	0.0043	1	12/25/02	1:57	Carriichael	8081A	271
Toxaphene	ND	ug/kg	0.432	1	12/25/02	1:57	Carriichael	8081A	271
<b>*METALS*</b>									
Arsenic	220.	ug/kg	1.23	1	12/12/02	11:36	C. Johnson	6010M	9982
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	77.1	%			12/20/02	14:20	M. Ricke	CLP	9978

Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	30.4 g/l	10.0 ml		12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TCH	101.	48. - 132.
pest surr-DCB	96.	46. - 140.

Sample report continued . . .

# TestAmerica

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## ANALYTICAL REPORT

Laboratory Number: 02-A200705  
Sample ID: BG6W-2-6  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - # - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200706  
 Sample ID: BG6W-6-9  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 5/02  
 Time Collected: 14:00  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	ND	mg/kg	0.0046	1	12/24/02	1:02	Carmichael	8081A	270
Toxaphene	ND	mg/kg	0.226	1	12/24/02	1:02	Carmichael	8081A	270
<b>*METALS*</b>									
Arsenic	13.9	mg/kg	1.31	1	12/12/02	11:36	C.Johnson	6010B	9982
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	73.3	%			12/20/02	11:42	M. Ricke	CLP	9979

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/19/02		M. Ricke	3660

Surrogate	% Recovery	Target Range
pest surr-TCMX	124.	46. - 132.
pest surr-DCB	106.	46. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A200706

Sample ID: BG6W-6-9

Project: 37778-010-1400

Page 2

### LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analysis have been corrected for dry weight.

End of Sample Report.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
BRENT JACOBS  
5900 WINDWARD HWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207205

Sample ID: BG6-8C

Date Collected: 12/14/02

Project: 37778-010-1400

Time Collected: 14:08

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERRICIDES*									
Aldrin	ND	mg/kg	0.111	50	12/30/02	18:17	Carmichael	8081A	5448
a-BHC	ND	mg/kg	0.111	50	12/30/02	18:17	Carmichael	8081A	5448
b-BHC	0.311	mg/kg	0.111	50	12/30/02	18:17	Carmichael	8081A	5448
d-BHC	ND	mg/kg	0.111	50	12/30/02	18:17	Carmichael	8081A	5448
g-BHC, Lindane	ND	mg/kg	0.111	50	12/30/02	18:17	Carmichael	8081A	5448
4,4'-DDD	1.94	mg/kg	0.222	50	12/30/02	18:17	Carmichael	8081A	5448
4,4'-DDE	0.534	mg/kg	0.222	50	12/30/02	18:17	Carmichael	8081A	5448
4,4'-DDT	ND	mg/kg	0.222	50	12/30/02	18:17	Carmichael	8081A	5448
Diieldrin	0.778	mg/kg	0.222	50	12/30/02	18:17	Carmichael	8081A	5448
Endosulfan I	ND	mg/kg	0.111	50	12/30/02	18:17	Carmichael	8081A	5448
Endosulfan II	ND	mg/kg	0.222	50	12/30/02	18:17	Carmichael	8081A	5448
Endosulfan sulfate	ND	mg/kg	0.222	50	12/30/02	18:17	Carmichael	8081A	5448
Endrin	ND	mg/kg	0.222	50	12/30/02	18:17	Carmichael	8081A	5448
Endrin aldehyde	ND	mg/kg	0.222	50	12/30/02	18:17	Carmichael	8081A	5448
Endrin Ketone	ND	mg/kg	0.222	50	12/30/02	18:17	Carmichael	8081A	5448
Heptachlor	ND	mg/kg	0.111	50	12/30/02	18:17	Carmichael	8081A	5448
Heptachlor epoxide	ND	mg/kg	0.111	50	12/30/02	18:17	Carmichael	8081A	5448
Methoxychlor	ND	mg/kg	1.11	50	12/30/02	18:17	Carmichael	8081A	5448
Toxaphene	ND	mg/kg	22.2	50	12/30/02	18:17	Carmichael	8081A	5448
alpha-Chlordane	ND	mg/kg	0.111	50	12/30/02	18:17	Carmichael	8081A	5448
gamma-Chlordane	ND	mg/kg	0.111	50	12/30/02	18:17	Carmichael	8081A	5448
*METALS*									
Arsenic	924.	mg/kg	1.28	1	12/31/02	13:08	C. Martin	6010B	7686
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	74.9	%			12/23/02	15:30	K. Keller	CLP	7718

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207205

Sample ID: BG6-SC

Date Collected: 12/14/02

Project: 37778-010-1400

Time Collected: 14:08

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.3 gm	10.0 ml	12/27/02		M. Cauthen	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

/ - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

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## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200713  
 Sample ID: BG7E-0-2  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 6/02  
 Time Collected: 9:40  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	0.185	mg/kg	0.0185	10	12/24/02	6:20	Carmichael	8081A	270
a-BHC	0.0816	mg/kg	0.0185	10	12/24/02	6:20	Carmichael	8081A	270
b-BHC	0.408	mg/kg	0.0185	10	12/24/02	6:20	Carmichael	8081A	270
d-BHC	0.0259	mg/kg	0.0185	10	12/24/02	6:20	Carmichael	8081A	270
g-BHC, Lindane	0.0445	mg/kg	0.0185	10	12/24/02	6:20	Carmichael	8081A	270
4,4'-DDD	1.78	mg/kg	0.371	100	12/24/02	6:20	Carmichael	8081A	270
4,4'-DDE	0.164	mg/kg	0.0371	10	12/24/02	6:20	Carmichael	8081A	270
4,4'-DDT	11.1	mg/kg	1.85	500	12/24/02	6:20	Carmichael	8081A	270
Dieldrin	3.67	mg/kg	0.371	100	12/24/02	6:20	Carmichael	8081A	270
Endosulfan I	ND	mg/kg	0.185	100	12/24/02	6:20	Carmichael	8081A	270
Endosulfan II	ND	mg/kg	0.371	100	12/24/02	6:20	Carmichael	8081A	270
Endosulfan sulfate	ND	mg/kg	0.371	100	12/24/02	6:20	Carmichael	8081A	270
Endrin	ND	mg/kg	0.371	100	12/24/02	6:20	Carmichael	8081A	270
Endrin aldehyde	ND	mg/kg	0.371	100	12/24/02	6:20	Carmichael	8081A	270
Endrin Ketone	0.334	mg/kg	0.0371	10	12/24/02	6:20	Carmichael	8081A	270
Heptachlor	0.259	mg/kg	0.0185	10	12/24/02	6:20	Carmichael	8081A	270
Heptachlor epoxide	0.816	mg/kg	0.185	100	12/24/02	6:20	Carmichael	8081A	270
Methoxychlor	ND	mg/kg	1.85	100	12/24/02	6:20	Carmichael	8081A	270
Toxaphene	55.2	mg/kg	9.27	50	12/24/02	6:20	Carmichael	8081A	270
alpha-Chlordane	3.34	P mg/kg	0.185	100	12/24/02	6:20	Carmichael	8081A	270
gamma-Chlordane	4.74	mg/kg	0.185	100	12/24/02	6:20	Carmichael	8081A	270
<b>*METALS*</b>									
Arsenic	626.	mg/kg	1.10	1	12/12/02	11:36	C. Johnson	8010B	9982

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 02-A200713  
 Sample ID: BG7E-0-2  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	89.8	%			12/20/02	11:42	M. Ricke	CLP	9979

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/19/02		M. Ricke	3550

### LABORATORY COMMENTS:

ND = Not detected at the report limit.  
 B = Analyte was detected in the method blank.  
 J = Estimated Value below Report Limit.  
 E = Estimated Value above the calibration limit of the instrument.  
 S = Recovery outside Laboratory historical or method prescribed limits.  
 All reported results for metals or Organic analyses have been corrected for dry weight.  
 Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.



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## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200714  
 Sample ID: BG7E-2-6  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 6/02  
 Time Collected: 9:50  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCB's/HERBICIDES*</b>									
Dieldrin	0.0096	ng/kg	0.0043	1	12/24/02	7:47	Carmichael	8081A	270
Toxaphene	ND	ng/kg	0.218	1	12/24/02	7:47	Carmichael	8081A	270
<b>*METALS*</b>									
Arsenic	143.	ng/kg	1.28	1	12/12/02	11:36	C. Johnson	6010B	9982
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
t Dry Weight	76.3	%			12/20/02	11:42	M. Ricks	CLP	9979

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.2 gm	10.0 ml	12/19/02		M. Ricks	3850

Surrogate	% Recovery	Target Range
pest surr-TCMX	116.	48. - 132.
pest surr-DCB	110.	46. - 140.

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 02-A200714  
Sample ID: BG7E-2-6  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - S - Estimated Value above the calibration limit of the instrument.
  - # - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

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## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200715  
 Sample ID: BG7E-6-10  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 6/02  
 Time Collected: 10:00  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Match
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Dieldrin	ND	ug/kg	0.0046	1	12/24/02	8:16	Carmichael	8081A	270
Toxaphene	ND	ug/kg	0.230	1	12/24/02	8:16	Carmichael	8081A	270
<b>*METALS*</b>									
Arsenic	21.6	ug/kg	1.34	1	12/12/02	11:36	C. Johnson	6010B	9982
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	72.2	%			12/20/02	11:42	M. Rinke	CLP	9979

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/19/02		M. Rinke	3650

Surrogate	% Recovery	Target Range
pest surr-TOM	110.	48. - 132.
pest surr-DCS	102.	46. - 140.

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 02-A200715  
Sample ID: BG7E-6-10  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

- ND = Not detected at the report limit.
  - B = Analyte was detected in the method blank.
  - J = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - S = Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or organic analyses have been corrected for dry weight.

End of Sample Report.

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## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A200710  
Sample ID: BG7W-0-2  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: STEVEN SUSTEN

Date Collected: 12/ 6/02  
Time Collected: 9:10  
Date Received: 12/ 7/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	0.0385	mg/kg	0.0192	10	12/24/02	4:24	Carmichael	8081A	270
a-BHC	ND	mg/kg	0.0192	10	12/24/02	4:24	Carmichael	8081A	270
b-BHC	ND	mg/kg	0.0192	10	12/24/02	4:24	Carmichael	8081A	270
d-BHC	ND	mg/kg	0.0192	10	12/24/02	4:24	Carmichael	8081A	270
g-BHC, Lindane	ND	mg/kg	0.0192	10	12/24/02	4:24	Carmichael	8081A	270
4,4'-DDD	0.154	mg/kg	0.0385	10	12/24/02	4:24	Carmichael	8081A	270
4,4'-DDE	0.147	P mg/kg	0.0385	10	12/24/02	4:24	Carmichael	8081A	270
4,4'-DDT	0.142	P mg/kg	0.0385	10	12/24/02	4:24	Carmichael	8081A	270
Dieldrin	0.208	mg/kg	0.0385	10	12/24/02	4:24	Carmichael	8081A	270
Endosulfan I	ND	mg/kg	0.0192	10	12/24/02	4:24	Carmichael	8081A	270
Endosulfan II	ND	mg/kg	0.0385	10	12/24/02	4:24	Carmichael	8081A	270
Endosulfan sulfate	ND	mg/kg	0.0385	10	12/24/02	4:24	Carmichael	8081A	270
Endrin	0.564	P mg/kg	0.0385	10	12/24/02	4:24	Carmichael	8081A	270
Endrin aldehyde	ND	mg/kg	0.0385	10	12/24/02	4:24	Carmichael	8081A	270
Endrin ketone	ND	J mg/kg	0.0385	10	12/24/02	4:24	Carmichael	8081A	270
Heptachlor	0.185	mg/kg	0.0192	10	12/24/02	4:24	Carmichael	8081A	270
Heptachlor epoxide	0.300	P mg/kg	0.0192	10	12/24/02	4:24	Carmichael	8081A	270
Methoxychlor	ND	J mg/kg	0.192	10	12/24/02	4:24	Carmichael	8081A	270
Toxaphene	ND	mg/kg	1.92	10	12/24/02	4:24	Carmichael	8081A	270
alpha-Chlordane	1.41	P mg/kg	0.0961	50	12/24/02	4:24	Carmichael	8081A	270
gamma-Chlordane	2.01	mg/kg	0.135	70	12/24/02	4:24	Carmichael	8081A	270
*METALS*									
Arsenic	4000	mg/kg	125.	100	12/12/02	11:36	C. Johnson	6010B	9982

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 02-A200710  
 Sample ID: BG7W-0-2  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	86.6	%			12/20/02	11:42	M. Rieke	GLP	9979

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
GC Pest	29.6 gm	10.0 ml	12/19/02		M. Rieke	3550

### LABORATORY COMMENTS:

ND = Not detected at the report limit.  
 B = Analyte was detected in the method blank.  
 J = Estimated Value below Report Limit.  
 E = Estimated Value above the calibration limit of the instrument.  
 # = Recovery outside Laboratory historical or method prescribed limits.  
 All reported results for metals or Organic analyses have been corrected for dry weight.  
 Pesticide surrogate diluted below detectable levels due to sample matrix.  
 Results for Aldrin, Heptachlor Epoxide, DDE, Endrin, DDT, and methoxychlor differ by more than 40% on the two columns used for analysis.

End of Sample Report.

# TestAmerica

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200

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200711  
 Sample ID: BG7W-2-6  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 6/02  
 Time Collected: 9:15  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

200

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCB's/HERBICIDES*</b>									
Dieldrin	0.0321	mg/kg	0.0041	1	12/24/02	5:22	Carichael	8081A	270
Toxaphene	2.29	mg/kg	0.205	1	12/24/02	5:22	Carichael	8081A	270
<b>*METALS*</b>									
Arsenic	737.	ug/kg	1.21	1	12/12/02	11:36	C.Johnson	6010B	9982
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	81.1	%			12/20/02	11:42	M. Ricks	CLP	9979

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pent.	30.0 gm	10.0 ml	12/19/02		M. Ricks	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	116.	48. - 132.
pest surr-DCB	110.	46. - 140.

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 02-A200711  
Sample ID: BG7W-2-6  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - S - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analytes have been corrected for dry weight.

End of Sample Report.



# TestAmerica

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## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200712  
 Sample ID: BG7W-6-10  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 6/02  
 Time Collected: 9:25  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCB's/HERBICIDES*</b>									
Dieldrin	ND	ng/kg	0.0047	1	12/24/02	5:51	Carmichael	6081A	270
Toxaphene	ND	ng/kg	0.236	1	12/24/02	5:51	Carmichael	6081A	270
<b>*METALS*</b>									
Arsenic	74.1	ng/kg	1.35	1	12/12/02	11:36	C.Johnson	6010B	9982
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	70.4	%			12/20/02	11:42	M. Ricks	CLP	9979

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	30.0 gm	10.0 ml	12/19/02		M. Ricks	3550

Surrogate	% Recovery	Target Range
pest surr-TOM	118.	48. - 132.
pest surr-DCB	106.	46. - 140.

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 02-A200712  
Sample ID: BG7W-6-10  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

- ND = Not detected at the report limit.
  - B = Analyte was detected in the method blank.
  - J = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - # = Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

## TEST AMERICA INC

## ANALYTICAL REPORT

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207206

Sample ID: BG7-SC

Date Collected: 12/14/02

Project: 37778-010-1400

Time Collected: 14:39

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES RAY

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	mg/kg	0.101	50	12/30/02	18:46	Carmichael	8081A	5448
a-BHC	ND	mg/kg	0.101	50	12/30/02	18:46	Carmichael	8081A	5448
b-BHC	ND	mg/kg	0.101	50	12/30/02	18:46	Carmichael	8081A	5448
d-BHC	ND	mg/kg	0.101	50	12/30/02	18:46	Carmichael	8081A	5448
g-BHC, Lindane	ND	mg/kg	0.101	50	12/30/02	18:46	Carmichael	8081A	5448
4,4'-DDD	0.993	mg/kg	0.202	50	12/30/02	18:46	Carmichael	8081A	5448
4,4'-DDE	0.223	mg/kg	0.202	50	12/30/02	18:46	Carmichael	8081A	5448
4,4'-DDT	0.324	mg/kg	0.202	50	12/30/02	18:46	Carmichael	8081A	5448
Dieldrin	0.405	mg/kg	0.202	50	12/30/02	18:46	Carmichael	8081A	5448
Endosulfan I	ND	mg/kg	0.101	50	12/30/02	18:46	Carmichael	8081A	5448
Endosulfan II	ND	mg/kg	0.202	50	12/30/02	18:46	Carmichael	8081A	5448
Endosulfan sulfate	ND	mg/kg	0.202	50	12/30/02	18:46	Carmichael	8081A	5448
Endrin	ND	mg/kg	0.202	50	12/30/02	18:46	Carmichael	8081A	5448
Endrin aldehyde	ND	mg/kg	0.202	50	12/30/02	18:46	Carmichael	8081A	5448
Endrin Ketone	ND	mg/kg	0.202	50	12/30/02	18:46	Carmichael	8081A	5448
Heptachlor	ND	mg/kg	0.101	50	12/30/02	18:46	Carmichael	8081A	5448
Heptachlor epoxide	ND	mg/kg	0.101	50	12/30/02	18:46	Carmichael	8081A	5448
Methoxychlor	ND	mg/kg	1.01	50	12/30/02	18:46	Carmichael	8081A	5448
Toxaphene	10.9	mg/kg	4.05	10	12/30/02	18:46	Carmichael	8081A	5448
alpha-Chlordane	0.324	mg/kg	0.101	50	12/30/02	18:46	Carmichael	8081A	5448
gamma-Chlordane	0.344	mg/kg	0.101	50	12/30/02	18:46	Carmichael	8081A	5448
*METALS*									
Arsenic	1180	mg/kg	1.16	1	12/31/02	13:08	C. Martin	6010B	7686
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	82.2	%			12/23/02	15:30	K. Keller	CLP	7718

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A207206

Sample ID: BG7-SC

Date Collected: 12/14/02

Project: 37778-010-1400

Time Collected: 14:39

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.5 gm	10.0 ml	12/27/02		M. Cauthen	3550

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix. 4,4'DDT result shows >40% difference between channels.

## TEST AMERICA INC

## ANALYTICAL REPORT

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Nashville, Tennessee 37204

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URS 2693

ERENT JACOBS

5900 WINDHARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A205879

Sample ID: BGSE-0-2

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 14:00

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	ng/kg	0.0022	1	12/28/02	16:37	Carmichael	8081A	3994
a-BHC	ND	ng/kg	0.0022	1	12/28/02	16:37	Carmichael	8081A	3994
b-BHC	ND	ng/kg	0.0022	1	12/28/02	16:37	Carmichael	8081A	3994
d-BHC	ND	ng/kg	0.0022	1	12/28/02	16:37	Carmichael	8081A	3994
g-BHC, Lindane	ND	ng/kg	0.0022	1	12/28/02	16:37	Carmichael	8081A	3994
4,4'-DDD	ND	ng/kg	0.0044	1	12/28/02	16:37	Carmichael	8081A	3994
4,4'-DDE	ND	ng/kg	0.0044	1	12/28/02	16:37	Carmichael	8081A	3994
4,4'-DDT	ND	ng/kg	0.0044	1	12/28/02	16:37	Carmichael	8081A	3994
Dieldrin	ND	ng/kg	0.0044	1	12/28/02	16:37	Carmichael	8081A	3994
Endosulfan I	0.0057	ng/kg	0.0022	1	12/28/02	16:37	Carmichael	8081A	3994
Endosulfan II	ND	ng/kg	0.0044	1	12/28/02	16:37	Carmichael	8081A	3994
Endosulfan sulfate	ND	ng/kg	0.0044	1	12/28/02	16:37	Carmichael	8081A	3994
Endrin	ND	ng/kg	0.0044	1	12/28/02	16:37	Carmichael	8081A	3994
Endrin aldehyde	ND	ng/kg	0.0044	1	12/28/02	16:37	Carmichael	8081A	3994
Endrin Ketone	ND	ng/kg	0.0044	1	12/28/02	16:37	Carmichael	8081A	3994
Heptachlor	ND	ng/kg	0.0022	1	12/28/02	16:37	Carmichael	8081A	3994
Heptachlor epoxide	ND	ng/kg	0.0022	1	12/28/02	16:37	Carmichael	8081A	3994
Methoxychlor	ND	ng/kg	0.0219	1	12/28/02	16:37	Carmichael	8081A	3994
Toxaphene	ND	ng/kg	0.439	1	12/28/02	16:37	Carmichael	8081A	3994
alpha-Chlordane	0.0040	ng/kg	0.0022	1	12/28/02	16:37	Carmichael	8081A	3994
gamma-Chlordane	0.0057	ng/kg	0.0022	1	12/28/02	16:37	Carmichael	8081A	3994
*METALS*									
Arsenic	726.	ng/kg	1.25	1	12/27/02	10:22	C. Martin	6010B	5838
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	75.8	%			12/20/02	11:37	M. Ricke	CLP	5837

## TEST AMERICA INC

## ANALYTICAL REPORT

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A205879

Sample ID: BGSE-0-2

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 14:00

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.1 gm	10.0 ml	12/26/02		M. Rieke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	113.	48. - 132.
pest surr-DCB	107.	46. - 140.

LABORATORY COMMENTS:

ND - Not detected at the report limit.  
 B - Analyte was detected in the method blank.  
 J - Estimated Value below Report Limit.  
 E - Estimated Value above the calibration limit of the instrument.  
 † - Recovery outside Laboratory historical or method prescribed limits.  
 All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A205680

Sample ID: BG8E-2-6

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 14:10

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0042	1	12/28/02	4:02	Carmichael	8081A	3994
Toxaphene	ND	mg/kg	0.427	1	12/28/02	4:02	Carmichael	8081A	3994
*METALS*									
Arsenic	274.	mg/kg	1.26	1	12/27/02	10:22	C. Martin	6010B	5838
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	78.0	%			12/20/02	11:37	M. Ricke	CLP	5837

## Sample Extraction Data

Parameter	St/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	29.8 gm	10.0 ml	12/26/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	125.	48. - 132.
pest surr-DCB	95.	46. - 140.

## TEST AMERICA INC

## ANALYTICAL REPORT

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

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URS 2693

ERENT JACOBS

5900 WINDWARD HWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A205880

Sample ID: BGSE-2-6

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 14:10

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.



TEST AMERICA INC  
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## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A205881

Sample ID: BGSE-6-10

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 14:20

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0043	1	12/28/02	4:33	Carmichael	8081A	3994
Toxaphene	ND	mg/kg	0.435	1	12/28/02	4:33	Carmichael	8081A	3994
*METALS*									
Arsenic	272.	mg/kg	1.24	1	12/27/02	10:22	C. Martin	6010B	5838
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	76.6	%			12/20/02	11:37	M. Ricke	CLP	5837

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.5 gm	10.0 ml	12/26/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	98.	48. - 132.
pest surr-DCB	98.	46. - 140.

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## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A205881

Sample ID: BG6E-6-10

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 14:20

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

## TEST AMERICA INC

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A205876

Sample ID: BG8V-0-2

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 13:30

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Aldrin	ND	mg/kg	0.0021	1	12/28/02	16:10	Carmichael	8081A	3994
a-BHC	ND	mg/kg	0.0021	1	12/28/02	16:10	Carmichael	8081A	3994
b-BHC	ND	mg/kg	0.0021	1	12/28/02	16:10	Carmichael	8081A	3994
d-BHC	ND	mg/kg	0.0021	1	12/28/02	16:10	Carmichael	8081A	3994
g-BHC, Lindane	ND	mg/kg	0.0021	1	12/28/02	16:10	Carmichael	8081A	3994
4,4'-DDD	ND	mg/kg	0.0041	1	12/28/02	16:10	Carmichael	8081A	3994
4,4'-DDE	ND	mg/kg	0.0041	1	12/28/02	16:10	Carmichael	8081A	3994
4,4'-DDT	ND	mg/kg	0.0041	1	12/28/02	16:10	Carmichael	8081A	3994
Dieldrin	0.0129	mg/kg	0.0041	1	12/28/02	16:10	Carmichael	8081A	3994
Endosulfan I	ND	mg/kg	0.0021	1	12/28/02	16:10	Carmichael	8081A	3994
Endosulfan II	0.0129	mg/kg	0.0041	1	12/28/02	16:10	Carmichael	8081A	3994
Endosulfan sulfate	ND	mg/kg	0.0041	1	12/28/02	16:10	Carmichael	8081A	3994
Endrin	ND	mg/kg	0.0041	1	12/28/02	16:10	Carmichael	8081A	3994
Endrin aldehyde	ND	mg/kg	0.0041	1	12/28/02	16:10	Carmichael	8081A	3994
Endrin Ketone	ND	mg/kg	0.0041	1	12/28/02	16:10	Carmichael	8081A	3994
Heptachlor	ND	mg/kg	0.0021	1	12/28/02	16:10	Carmichael	8081A	3994
Heptachlor epoxide	ND	mg/kg	0.0021	1	12/28/02	16:10	Carmichael	8081A	3994
Methoxychlor	ND	mg/kg	0.0208	1	12/28/02	16:10	Carmichael	8081A	3994
Toxaphene	ND	mg/kg	0.416	1	12/28/02	16:10	Carmichael	8081A	3994
alpha-Chlordane	0.0100	mg/kg	0.0021	1	12/28/02	16:10	Carmichael	8081A	3994
gamma-Chlordane	0.0084	mg/kg	0.0021	1	12/28/02	16:10	Carmichael	8081A	3994
*METALS*									
Arsenic	221.	mg/kg	1.19	1	12/27/02	10:22	C. Martin	6010B	5838
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	80.0	%			12/20/02	11:37	M. Ricke	CLP	5837

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A205876

Sample ID: BG8W-0-2

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 13:30

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.2 gm	10.0 ml	12/26/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TMX	92.	48. - 132.
pest surr-DCB	96.	46. - 140.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A205877

Sample ID: BGSW-2-6

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 13:35

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	ND	ng/kg	0.0044	1	12/28/02	3:01	Carmichael	8081A	3994
Toxaphene	ND	ng/kg	0.440	1	12/28/02	3:01	Carmichael	8081A	3994
*METALS*									
Arsenic	701.	ng/kg	1.30	1	12/27/02	10:22	C. Martin	6010B	5838
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	75.6	%			12/20/02	11:37	M. Rieke	CLP	5837

## Sample Extraction Data

Parameter	Wt./Vol.		Date	Time	Analyst	Method
	Extracted	Extract Vol.				
OC Pest	30.0 gm	10.0 ml	12/26/02		M. Rieke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMH	102.	48. - 132.
pest surr-DCB	92.	46. - 140.

## TEST AMERICA INC

## ANALYTICAL REPORT

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A205877

Sample ID: BG38-2-6

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 13:35

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analytes have been corrected for dry weight.

## TEST AMERICA INC

## ANALYTICAL REPORT

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A205878

Sample ID: BG5W-6-10

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 13:45

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Dieldrin	ND	ng/kg	0.0047	1	12/28/02	3:31	Carmichael	8081A	3994
Toxaphene	ND	ng/kg	0.479	1	12/28/02	3:31	Carmichael	8081A	3994
<b>*METALS*</b>									
Arsenic	106.	mg/kg	1.38	1	12/27/02	10:22	C. Martin	6010B	5838
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	69.5	%			12/20/02	11:37	M. Ricke	CLP	5837

## Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	30.4 gm	10.0 ml	12/26/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TCM	131.	48. - 132.
pest surr-DCB	95.	46. - 140.

## TEST AMERICA INC

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A205878

Sample ID: BGSW-6-10

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 13:45

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A208020  
Sample ID: BG8-SC  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHRIS MILLER

Date Collected: 12/17/02  
Time Collected: 11:32  
Date Received: 12/18/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCP's/HERBICIDES*</b>									
Aldrin	ND	ng/kg	0.0219	10	1/ 3/03	10:29	Carmichael	8081A	6958
a-BHC	ND	ng/kg	0.0219	10	1/ 3/03	10:29	Carmichael	8081A	6958
b-BHC	ND	ng/kg	0.0219	10	1/ 3/03	10:29	Carmichael	8081A	6958
d-BHC	ND	ng/kg	0.0219	10	1/ 3/03	10:29	Carmichael	8081A	6958
g-BHC, Lindane	ND	ng/kg	0.0219	10	1/ 3/03	10:29	Carmichael	8081A	6958
4,4'-DDD	0.404	ng/kg	0.0440	10	1/ 3/03	10:29	Carmichael	8081A	6958
4,4'-DDE	0.338	ng/kg	0.0440	10	1/ 3/03	10:29	Carmichael	8081A	6958
4,4'-DDT	0.672	ng/kg	0.0440	10	1/ 3/03	10:29	Carmichael	8081A	6958
Dieldrin	0.413	ng/kg	0.0440	10	1/ 3/03	10:29	Carmichael	8081A	6958
Endosulfan I	ND	ng/kg	0.0219	10	1/ 3/03	10:29	Carmichael	8081A	6958
Endosulfan II	ND	ng/kg	0.0440	10	1/ 3/03	10:29	Carmichael	8081A	6958
Endosulfan sulfate	ND	ng/kg	0.0440	10	1/ 3/03	10:29	Carmichael	8081A	6958
Endrin	ND	ng/kg	0.0440	10	1/ 3/03	10:29	Carmichael	8081A	6958
Endrin aldehyde	ND	ng/kg	0.0440	10	1/ 3/03	10:29	Carmichael	8081A	6958
Endrin Ketone	ND	ng/kg	0.0440	10	1/ 3/03	10:29	Carmichael	8081A	6958
Heptachlor	ND	ng/kg	0.0219	10	1/ 3/03	10:29	Carmichael	8081A	6958
Heptachlor epoxide	ND	ng/kg	0.0219	10	1/ 3/03	10:29	Carmichael	8081A	6958
Methoxychlor	ND	ng/kg	0.219	10	1/ 3/03	10:29	Carmichael	8081A	6958
Toxaphene	ND	ng/kg	4.40	10	1/ 3/03	10:29	Carmichael	8081A	6958
alpha-Chlordane	ND	ng/kg	0.0219	10	1/ 3/03	10:29	Carmichael	8081A	6958
gamma-Chlordane	ND	ng/kg	0.0219	10	1/ 3/03	10:29	Carmichael	8081A	6958
<b>*METALS*</b>									
Arsenic	551.	ng/kg	1.27	1	1/ 2/03	11:57	C. Martin	6010B	8631

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A208020  
 Sample ID: BG8-SC  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	75.7	%			12/30/02	14:20	K. Keller	CLP	8634

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Test	30.0 gm	10.0 ml	12/31/02		M. Caution	1850

### LABORATORY COMMENTS:

ND - Not detected at the report limit.  
 B - Analyte was detected in the method blank.  
 J - Estimated Value below Report Limit.  
 E - Estimated Value above the calibration limit of the instrument.  
 # - Recovery outside Laboratory historical or method prescribed limits.  
 All reported results for metals or Organic analyses have been corrected for dry weight.  
 Pesticide surrogates diluted below detectable levels due to sample matrix. 4,4'-DDT result shows >40% difference between channels.

End of Sample Report.

## TEST AMERICA INC

## ANALYTICAL REPORT

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A205885

Sample ID: BG9E-0-2

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 15:05

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	mg/kg	0.0107	5	12/28/02	17:39	Carmichael	8081A	3994
a-BHC	ND	mg/kg	0.0107	5	12/28/02	17:39	Carmichael	8081A	3994
b-BHC	ND	mg/kg	0.0107	5	12/28/02	17:39	Carmichael	8081A	3994
d-BHC	ND	mg/kg	0.0107	5	12/28/02	17:39	Carmichael	8081A	3994
g-BHC, Lindane	ND	mg/kg	0.0107	5	12/28/02	17:39	Carmichael	8081A	3994
4,4'-DDD	ND	mg/kg	0.0214	5	12/28/02	17:39	Carmichael	8081A	3994
4,4'-DDE	ND	mg/kg	0.0214	5	12/28/02	17:39	Carmichael	8081A	3994
4,4'-DDT	ND	mg/kg	0.0214	5	12/28/02	17:39	Carmichael	8081A	3994
Dieldrin	0.0301	mg/kg	0.0214	5	12/28/02	17:39	Carmichael	8081A	3994
Endosulfan I	0.666	mg/kg	0.107	50	12/28/02	17:39	Carmichael	8081A	3994
Endosulfan II	0.452	mg/kg	0.214	50	12/28/02	17:39	Carmichael	8081A	3994
Endosulfan sulfate	ND	mg/kg	0.0214	5	12/28/02	17:39	Carmichael	8081A	3994
Endrin	ND	mg/kg	0.0214	5	12/28/02	17:39	Carmichael	8081A	3994
Endrin aldehyde	ND	mg/kg	0.0214	5	12/28/02	17:39	Carmichael	8081A	3994
Endrin Ketone	0.0323	mg/kg	0.0214	5	12/28/02	17:39	Carmichael	8081A	3994
Heptachlor	ND	mg/kg	0.0107	5	12/28/02	17:39	Carmichael	8081A	3994
Heptachlor epoxide	ND	mg/kg	0.0107	5	12/28/02	17:39	Carmichael	8081A	3994
Methoxychlor	ND	mg/kg	0.107	5	12/28/02	17:39	Carmichael	8081A	3994
Toxaphene	2.12	mg/kg	0.430	1	12/28/02	17:39	Carmichael	8081A	3994
alpha-Chlordane	ND	mg/kg	0.0107	5	12/28/02	17:39	Carmichael	8081A	3994
gamma-Chlordane	ND	mg/kg	0.0107	5	12/28/02	17:39	Carmichael	8081A	3994
*METALS*									
Arsenic	101.	mg/kg	1.23	1	12/27/02	10:22	C. Martin	6010B	5838
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	77.5	%			12/20/02	11:37	M. Ricke	CLP	5837

## TEST AMERICA INC

## ANALYTICAL REPORT

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A205885

Sample ID: BC9E-0-2

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 15:05

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.6 gm	10.0 ml	12/26/02		M. Ricks	3550

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
 2960 Foster Creighton Drive  
 Nashville, Tennessee 37204

ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
 BRENT JACOBS  
 5900 WINDHARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: O2-A205886

Sample ID: BG9E-2-6 Date Collected: 12/12/02

Project: 37778-010-1400 Time Collected: 15:10

Project Name: RED PANTHER Date Received: 12/14/02

Sampler: STEVEN SUSTEN Time Received: 9:00

State Certification: Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	0.0161	mg/kg	0.0043	1	12/28/02	6:06	Carmichael	8081A	3994
Toxaphene	1.87	mg/kg	0.435	1	12/28/02	6:06	Carmichael	8081A	3994
<b>*METALS*</b>									
Arsenic	150.	mg/kg	1.29	1	12/27/02	10:22	C. Martin	6010B	5838
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	76.5	%			12/20/02	11:37	M. Ricke	CLP	5837

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.3 gm	10.0 ml	12/26/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TCDF	107.	48. - 132.
pest surr-DCB	118.	46. - 140.

## TEST AMERICA INC

## ANALYTICAL REPORT

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A205886

Sample ID: BG9E-2-6

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 15:10

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

**LABORATORY COMMENTS:**

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
 2960 Foster Creighton Drive  
 Nashville, Tennessee 37204

ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
 BRENT JACOBS  
 5900 WINDHARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A205887

Sample ID: BG9E-6-10

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 15:25

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	0.0226	mg/kg	0.0046	1	12/28/02	7:39	Carmichael	8061A	3994
Toxaphene	2.49	mg/kg	0.462	1	12/28/02	7:39	Carmichael	8061A	3994
<b>*METALS*</b>									
Arsenic	599.	mg/kg	1.33	1	12/27/02	10:22	C. Martin	6010B	5838
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
X Dry Weight	72.0	%			12/20/02	11:37	M. Rieke	CLP	5837

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/26/02		M. Rieke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	105.	48. - 132.
pest surr-DCB	131.	46. - 140.

## TEST AMERICA INC

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A205887

Sample ID: BG9E-6-10

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 15:25

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method-prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.



## TEST AMERICA INC

## ANALYTICAL REPORT

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A205882

Sample ID: BG9W-0-2

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 14:30

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	mg/kg	0.0127	5	12/28/02	17:08	Carmichael	8081A	3994
a-BHC	0.0742	mg/kg	0.0127	5	12/28/02	17:08	Carmichael	8081A	3994
b-BHC	0.562	mg/kg	0.128	50	12/28/02	17:08	Carmichael	8081A	3994
d-BHC	0.0538	mg/kg	0.0127	5	12/28/02	17:08	Carmichael	8081A	3994
g-BHC, Lindane	0.0461	mg/kg	0.0127	5	12/28/02	17:08	Carmichael	8081A	3994
4,4'-DDD	1.48	mg/kg	0.255	50	12/28/02	17:08	Carmichael	8081A	3994
4,4'-DDE	1.02	mg/kg	0.255	50	12/28/02	17:08	Carmichael	8081A	3994
4,4'-DDT	0.588	mg/kg	0.255	50	12/28/02	17:08	Carmichael	8081A	3994
Dieldrin	0.793	mg/kg	0.255	50	12/28/02	17:08	Carmichael	8081A	3994
Endosulfan I	ND	mg/kg	0.0127	5	12/28/02	17:08	Carmichael	8081A	3994
Endosulfan II	ND	mg/kg	0.0255	5	12/28/02	17:08	Carmichael	8081A	3994
Endosulfan sulfate	ND	mg/kg	0.0255	5	12/28/02	17:08	Carmichael	8081A	3994
Endrin	ND	mg/kg	0.0255	5	12/28/02	17:08	Carmichael	8081A	3994
Endrin aldehyde	ND	mg/kg	0.0255	5	12/28/02	17:08	Carmichael	8081A	3994
Endrin Ketone	ND	mg/kg	0.0255	5	12/28/02	17:08	Carmichael	8081A	3994
Heptachlor	ND	mg/kg	0.0127	5	12/28/02	17:08	Carmichael	8081A	3994
Heptachlor epoxide	ND	mg/kg	0.0127	5	12/28/02	17:08	Carmichael	8081A	3994
Methoxychlor	ND	mg/kg	0.128	5	12/28/02	17:08	Carmichael	8081A	3994
Toxaphene	5.91	mg/kg	1.02	2	12/28/02	17:08	Carmichael	8081A	3994
alpha-Chlordane	ND	mg/kg	0.0127	5	12/28/02	17:08	Carmichael	8081A	3994
gamma-Chlordane	ND	mg/kg	0.0127	5	12/28/02	17:08	Carmichael	8081A	3994
*METALS*									
Arsenic	1000	mg/kg	1.46	1	12/27/02	10:22	C. Martin	6010B	5838
*GENERAL CHEMISTRY PARAMETERS*									
X Dry Weight	65.1	X			12/20/02	11:37	M. Ricks	CLP	5837

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A205832

Sample ID: BC9W-0-2

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 14:30

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.6 gm	10.0 ml	12/26/02		M. Ricke	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A205883

Sample ID: BG9W-2-6

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 14:35

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0042	1	12/28/02	5:04	Carmichael	8081A	3994
Toxaphene	ND	mg/kg	0.424	1	12/28/02	5:04	Carmichael	8081A	3994
*METALS*									
Arsenic	964.	mg/kg	1.25	1	12/27/02	10:22	C. Martin	6010B	5838
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	78.6	%			12/20/02	11:37	M. Ricke	CLP	5837

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.5 gm	10.0 ml	12/26/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMH	111.	48. - 132.
pest surr-DCB	101.	46. - 140.

## TEST AMERICA INC

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A205883

Sample ID: BC9W-2-6

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 14:35

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
 2960 Foster Creighton Drive  
 Nashville, Tennessee 37204

ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A205884

Sample ID: BC9W-6-10

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 14:45

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Dieldrin	ND	mg/kg	0.0047	1	12/28/02	5:35	Carnichael	8081A	3994
Toxaphene	ND	mg/kg	0.475	1	12/28/02	5:35	Carnichael	8081A	3994
<b>*METALS*</b>									
Arsenic	1500	mg/kg	1.38	1	12/27/02	10:22	C. Martin	6010B	5838
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	70.1	%			12/20/02	11:37	M. Ricke	CLP	5837

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol.				
OC Pest	30.1 gm	10.0 ml	12/26/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TCMX	116.	48. - 132.
pest surr-DCB	96.	46. - 140.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A205884

Sample ID: BG9W-6-10

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 14:45

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

/ - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A208021  
 Sample ID: BG9-SC  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHRIS MILLER

Date Collected: 12/17/02  
 Time Collected: 11:55  
 Date Received: 12/18/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	ug/kg	0.0108	5	1/ 3/03	10:58	Carmichael	8081A	6958
a-BHC	ND	ug/kg	0.0108	5	1/ 3/03	10:58	Carmichael	8081A	6958
b-BHC	ND	ug/kg	0.0108	5	1/ 3/03	10:58	Carmichael	8081A	6958
c-BHC	ND	ug/kg	0.0108	5	1/ 3/03	10:58	Carmichael	8081A	6958
g-BHC, Lindane	ND	ug/kg	0.0108	5	1/ 3/03	10:58	Carmichael	8081A	6958
4,4'-DDD	0.236	ug/kg	0.0217	5	1/ 3/03	10:58	Carmichael	8081A	6958
4,4'-DDE	0.122	ug/kg	0.0217	5	1/ 3/03	10:58	Carmichael	8081A	6958
4,4'-DDT	ND	ug/kg	0.0217	5	1/ 3/03	10:58	Carmichael	8081A	6958
Dieldrin	0.211	ug/kg	0.0217	5	1/ 3/03	10:58	Carmichael	8081A	6958
Endosulfan I	ND	ug/kg	0.0108	5	1/ 3/03	10:58	Carmichael	8081A	6958
Endosulfan II	ND	ug/kg	0.0217	5	1/ 3/03	10:58	Carmichael	8081A	6958
Endosulfan sulfate	ND	ug/kg	0.0217	5	1/ 3/03	10:58	Carmichael	8081A	6958
Endrin	ND	ug/kg	0.0217	5	1/ 3/03	10:58	Carmichael	8081A	6958
Endrin aldehyde	ND	ug/kg	0.0217	5	1/ 3/03	10:58	Carmichael	8081A	6958
Endrin Ketone	ND	ug/kg	0.0217	5	1/ 3/03	10:58	Carmichael	8081A	6958
Heptachlor	ND	ug/kg	0.0108	5	1/ 3/03	10:58	Carmichael	8081A	6958
Heptachlor epoxide	ND	ug/kg	0.0108	5	1/ 3/03	10:58	Carmichael	8081A	6958
Methoxychlor	ND	ug/kg	0.109	5	1/ 3/03	10:58	Carmichael	8081A	6958
Toxaphene	ND	ug/kg	2.17	5	1/ 3/03	10:58	Carmichael	8081A	6958
alpha-Chlordane	ND	ug/kg	0.0108	5	1/ 3/03	10:58	Carmichael	8081A	6958
gamma-Chlordane	ND	ug/kg	0.0108	5	1/ 3/03	10:58	Carmichael	8081A	6958
<b>*METALS*</b>									
Arsenic	530.	ug/kg	1.31	1	1/ 2/03	11:57	C. Martin	6010B	8631

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A208021  
 Sample ID: BG9-SC  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	76.6	%			12/30/02	14:30	K. Keller	CLP	8634

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/31/02		M. Caution	3660

Surrogate	% Recovery	Target Range
pest SURR-TCMX	120.	45. - 132.
pest SURR-DCB	110.	45. - 140.

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated value above the calibration limit of the instrument.
  - S - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A200719  
Sample ID: BG10E-0-2  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: STEVEN SUSTEN

Date Collected: 12/ 6/02  
Time Collected: 10:50  
Date Received: 12/ 6/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.375	200	12/26/02	8:57	Henderson	8081A	267
a-BHC	0.669	mg/kg	0.0375	20	12/26/02	8:57	Henderson	8081A	267
b-BHC	1.45	mg/kg	0.375	200	12/26/02	8:57	Henderson	8081A	267
c-BHC	ND	mg/kg	0.375	200	12/26/02	8:57	Henderson	8081A	267
γ-BHC, Lindane	0.210	mg/kg	0.0375	20	12/26/02	8:57	Henderson	8081A	267
4,4'-DDD	7.20	mg/kg	0.751	200	12/26/02	8:57	Henderson	8081A	267
4,4'-DDE	5.56	mg/kg	0.751	200	12/26/02	8:57	Henderson	8081A	267
4,4'-DDT	23.2	mg/kg	1.87	500	12/26/02	8:57	Henderson	8081A	267
Dieldrin	4.51	mg/kg	0.751	200	12/26/02	8:57	Henderson	8081A	267
Endosulfan I	ND	mg/kg	0.375	200	12/26/02	8:57	Henderson	8081A	267
Endosulfan II	0.826	mg/kg	0.751	200	12/26/02	8:57	Henderson	8081A	267
Endosulfan sulfate	ND	mg/kg	0.751	200	12/26/02	8:57	Henderson	8081A	267
Endrin	ND	mg/kg	0.751	200	12/26/02	8:57	Henderson	8081A	267
Endrin aldehyde	ND	mg/kg	0.751	200	12/26/02	8:57	Henderson	8081A	267
Endrin Ketone	0.519	mg/kg	0.0751	20	12/26/02	8:57	Henderson	8081A	267
Heptachlor	ND	mg/kg	0.375	200	12/26/02	8:57	Henderson	8081A	267
Heptachlor epoxide	ND	mg/kg	0.375	200	12/26/02	8:57	Henderson	8081A	267
Methoxychlor	ND	mg/kg	3.75	200	12/26/02	8:57	Henderson	8081A	267
Toxaphene	103.	mg/kg	18.7	50	12/26/02	8:57	Henderson	8081A	267
alpha-Chlordane	ND	mg/kg	0.375	200	12/26/02	8:57	Henderson	8081A	267
gamma-Chlordane	ND	mg/kg	0.375	200	12/26/02	8:57	Henderson	8081A	267
<b>*METALS*</b>									
Arsenic	161.	mg/kg	1.10	1	12/12/02	13:47	C. Johnson	6010B	9984

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A200719

Sample ID: BG10E-0-2

Project: 37778-010-1400

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	88.7	%			12/20/02	11:42	M. Ricks	CLP	9979

### Sample Extraction Data

Parameter	WE/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.6 gm	10.0 ml	12/19/02		M. Ricks	3550

### LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

R - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200720  
 Sample ID: BG10E-2-6  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 6/02  
 Time Collected: 11:00  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	0.0066	ug/kg	0.0043	1	12/26/02	9:52	Henderson	8081A	267
Toxaphene	ND	ug/kg	0.430	1	12/26/02	9:52	Henderson	8081A	267
<b>*METALS*</b>									
Arsenic	9.39	ug/kg	1.30	1	12/12/02	13:47	C.Johnson	6010B	9984
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	77.4	%			12/20/02	11:42	M. Riecke	CLP	9979

Sample Extraction Data

Parameter	Wt./Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.6 gm	10.0 ml	12/19/02		W. Riecke	3950

Surrogate	% Recovery	Target Range
pest surr-TCMX	90.	48. - 132.
pest surr-DCB	96.	45. - 148.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A200720  
Sample ID: BG10E-2-6  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - # - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A200721  
Sample ID: BG10E-6-10  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: STEVEN SUSTEN

Date Collected: 12/ 6/02  
Time Collected: 11:10  
Date Received: 12/ 7/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Dieldrin	ND	J- wg/kg	0.0047	1	12/24/02	20:22	Henderson	8081A	267
Tomaphene	ND	wg/kg	0.476	1	12/24/02	20:22	Henderson	8081A	267
<b>*METALS*</b>									
Arsenic	6.29	ug/kg	1.43	1	12/12/02	13:47	C.Johnson	6010B	9984
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	70.0	%			12/20/02	11:42	M. Rieke	CLP	9979

### Sample Extraction Data

Parameter	WT/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/19/02		M. Rieke	3850

Surrogate	% Recovery	Target Range
pest surr-TOMX	96.	40. - 122.
pest surr-DCE	102.	46. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A200721

Sample ID: BG10E-6-10

Project: 37778-010-1400

Page 2

### LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

X - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A200716  
Sample ID: BG10W-0-2  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: STEVEN SUSTEN

Date Collected: 12/ 6/02  
Time Collected: 10:15  
Date Received: 12/ 7/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCP's/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.0189	10	12/24/02	8:45	Carmichael	8081A	270
a-BHC	0.0227	mg/kg	0.0189	10	12/24/02	8:45	Carmichael	8081A	270
b-BHC	0.156	mg/kg	0.0189	10	12/24/02	8:45	Carmichael	8081A	270
d-BHC	ND	mg/kg	0.0189	10	12/24/02	8:45	Carmichael	8081A	270
g-BHC, Lindane	ND	mg/kg	0.0189	10	12/24/02	8:45	Carmichael	8081A	270
4,4'-DDD	0.726	mg/kg	0.0757	20	12/24/02	8:45	Carmichael	8081A	270
4,4'-DDE	0.200	mg/kg	0.0378	10	12/24/02	8:45	Carmichael	8081A	270
4,4'-DDT	0.162	mg/kg	0.0378	10	12/24/02	8:45	Carmichael	8081A	270
Dieldrin	0.606	mg/kg	0.0757	20	12/24/02	8:45	Carmichael	8081A	270
Endosulfan I	ND	mg/kg	0.0189	10	12/24/02	8:45	Carmichael	8081A	270
Endosulfan II	ND	mg/kg	0.0378	10	12/24/02	8:45	Carmichael	8081A	270
Endosulfan sulfate	ND	mg/kg	0.0378	10	12/24/02	8:45	Carmichael	8081A	270
Endrin	ND	mg/kg	0.0378	10	12/24/02	8:45	Carmichael	8081A	270
Endrin aldehyde	ND	mg/kg	0.0378	10	12/24/02	8:45	Carmichael	8081A	270
Endrin Ketone	0.0606	mg/kg	0.0378	10	12/24/02	8:45	Carmichael	8081A	270
Heptachlor	ND	mg/kg	0.0189	10	12/24/02	8:45	Carmichael	8081A	270
Heptachlor epoxide	ND	mg/kg	0.0189	10	12/24/02	8:45	Carmichael	8081A	270
Methoxychlor	ND	mg/kg	0.189	10	12/24/02	8:45	Carmichael	8081A	270
Toxaphene	ND	mg/kg	1.89	10	12/24/02	8:45	Carmichael	8081A	270
alpha-Chlordane	ND	mg/kg	0.0189	10	12/24/02	8:45	Carmichael	8081A	270
gamma-Chlordane	ND	mg/kg	0.0189	10	12/24/02	8:45	Carmichael	8081A	270
<b>*METALS*</b>									
Arsenic	112.	mg/kg	1.08	1	12/12/02	11:16	C. Johnson	6010B	9982

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A200716  
 Sample ID: BGL0W-0-2  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
† Dry Weight	88.0	g			12/20/02	11:42	M. Rieke	CLP	9979

### Sample Extraction Data

Parameter	Wt/vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.5 gm	10.0 ml	12/19/02		M. Rieke	3550

### LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

\* - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A200717  
Sample ID: BG10W-2-6  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: STEVEN SUSTEN

Date Collected: 12/ 6/02  
Time Collected: 10:25  
Date Received: 12/ 7/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	ND	J	ug/kg	0.0042	1	12/24/02	18:27	Henderson	8081A 267
Toxaphene	ND		ug/kg	0.428	1	12/24/02	18:27	Henderson	8081A 267
<b>*METALS*</b>									
Arsenic	23.9		ug/kg	1.21	1	12/12/02	13:47	C.Johnson	6010B 9984
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	78.4					12/20/02	11:42	M. Ricke	CLP 9979

Sample Extraction Data

Parameter	Wt./Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TCE	110.	48. - 132.
pest surr-DCB	100.	46. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A200717  
Sample ID: BG10W-2-6  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - # - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

R10

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200718  
 Sample ID: BG10W-6-10  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 6/02  
 Time Collected: 11:10  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Dieldrin	ND	J mg/kg	0.0045	1	12/24/02	18:56	Henderson	8081A	267
Toxaphene	ND	mg/kg	0.459	1	12/24/02	18:56	Henderson	8081A	267
<b>*METALS*</b>									
Arsenic	379.	mg/kg	1.35	1	12/12/02	13:47	C.Johnson	6010B	9984
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	72.6	%			12/20/02	11:42	M. Ricks	CLP	9979

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.3 gm	10.0 ml	12/19/02		M. Ricks	3550

Surrogate	% Recovery	Target Range
pest surr-TOM	142. %	45. - 132.
pest surr-DCB	96.	45. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A200718  
Sample ID: BG10W-6-10  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - # - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A208016  
 Sample ID: BG10-SC  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHRIS MILLER

Date Collected: 12/17/02  
 Time Collected: 15:45  
 Date Received: 12/18/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	ng/kg	0.215	100	1/ 7/03	14:03	Carmichael	8081A	6741
a-BHC	ND	ng/kg	0.215	100	1/ 7/03	14:03	Carmichael	8081A	6741
b-BHC	0.603	ng/kg	0.215	100	1/ 7/03	14:03	Carmichael	8081A	6741
c-BHC	ND	ng/kg	0.215	100	1/ 7/03	14:03	Carmichael	8081A	6741
g-BHC, Lindane	ND	ng/kg	0.215	100	1/ 7/03	14:03	Carmichael	8081A	6741
4,4'-DDD	ND	ng/kg	0.431	100	1/ 7/03	14:03	Carmichael	8081A	6741
4,4'-DDE	2.11	ng/kg	0.431	100	1/ 7/03	14:03	Carmichael	8081A	6741
4,4'-DDT	1.42	ng/kg	0.431	100	1/ 7/03	14:03	Carmichael	8081A	6741
Dieldrin	2.59	ng/kg	0.431	100	1/ 7/03	14:03	Carmichael	8081A	6741
Endosulfan I	ND	ng/kg	0.215	100	1/ 7/03	14:03	Carmichael	8081A	6741
Endosulfan II	ND	ng/kg	0.431	100	1/ 7/03	14:03	Carmichael	8081A	6741
Endosulfan sulfate	ND	ng/kg	0.431	100	1/ 7/03	14:03	Carmichael	8081A	6741
Endrin	ND	ng/kg	0.431	100	1/ 7/03	14:03	Carmichael	8081A	6741
Endrin aldehyde	ND	ng/kg	0.431	100	1/ 7/03	14:03	Carmichael	8081A	6741
Endrin Ketone	ND	ng/kg	0.431	100	1/ 7/03	14:03	Carmichael	8081A	6741
Heptachlor	ND	ng/kg	0.215	100	1/ 7/03	14:03	Carmichael	8081A	6741
Heptachlor epoxide	ND	ng/kg	0.215	100	1/ 7/03	14:03	Carmichael	8081A	6741
Methoxychlor	ND	ng/kg	2.15	100	1/ 7/03	14:03	Carmichael	8081A	6741
Toxaphene	16.6	ng/kg	4.31	10	1/ 7/03	14:03	Carmichael	8081A	6741
alpha-Chlordane	ND	ng/kg	0.215	100	1/ 7/03	14:03	Carmichael	8081A	6741
gamma-Chlordane	ND	ng/kg	0.215	100	1/ 7/03	14:03	Carmichael	8081A	6741
<b>*METALS*</b>									
Arsenic	1.28	ng/kg	1.23	1	1/ 9/03	10:00	C. Martin	6010B	8630

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A208016

Sample ID: BG10-SC

Project: 37778-010-1400

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	77.3	%			12/30/02	16:00	K. Keller	CLP	8633

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Test	29.6 gm	10.0 ml	12/30/02		W. Ricke	3550

### LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

pesticide surrogates diluted below detectable levels due to

sample matrix.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200725  
 Sample ID: BG11E-0-2  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 6/02  
 Time Collected: 12:30  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Alcryn	ND	ug/kg	0.0199	10	12/24/02	23:15	Henderson	8081A	267
a-BHC	0.0240	ug/kg	0.0199	10	12/24/02	23:15	Henderson	8081A	267
b-BHC	0.0639	ug/kg	0.0199	10	12/24/02	23:15	Henderson	8081A	267
c-BHC	ND	ug/kg	0.0199	10	12/24/02	23:15	Henderson	8081A	267
g-BHC, Lindane	ND	ug/kg	0.0199	10	12/24/02	23:15	Henderson	8081A	267
4,4'-DDD	0.492	ug/kg	0.0399	10	12/24/02	23:15	Henderson	8081A	267
4,4'-DDE	0.543 P	ug/kg	0.0399	10	12/24/02	23:15	Henderson	8081A	267
4,4'-DDT	ND	ug/kg	0.391	10	12/24/02	23:15	Henderson	8081A	267
Dieldrin	0.422	ug/kg	0.0399	10	12/24/02	23:15	Henderson	8081A	267
Endosulfan I	ND	ug/kg	0.0576	10	12/24/02	23:15	Henderson	8081A	267
Endosulfan II	0.499	ug/kg	0.0399	10	12/24/02	23:15	Henderson	8081A	267
Endosulfan sulfate	ND	ug/kg	0.204	10	12/24/02	23:15	Henderson	8081A	267
Endrin	ND	ug/kg	0.0399	10	12/24/02	23:15	Henderson	8081A	267
Endrin aldehyde	ND	ug/kg	0.0399	10	12/24/02	23:15	Henderson	8081A	267
Endrin ketone	ND	ug/kg	0.0399	10	12/24/02	23:15	Henderson	8081A	267
Heptachlor	ND	ug/kg	0.0216	10	12/24/02	23:15	Henderson	8081A	267
Heptachlor epoxide	ND	ug/kg	0.0199	10	12/24/02	23:15	Henderson	8081A	267
Methoxychlor	0.535	ug/kg	0.199	10	12/24/02	23:15	Henderson	8081A	267
Toxaphene	24.6	ug/kg	7.99	20	12/24/02	23:15	Henderson	8081A	267
alpha-Chlordane	0.108 P	ug/kg	0.0199	10	12/24/02	23:15	Henderson	8081A	267
gamma-Chlordane	0.104	ug/kg	0.0199	10	12/24/02	23:15	Henderson	8081A	267
<b>*METALS*</b>									
Arsenic	62.7	ug/kg	1.15	1	12/13/02	13:47	C.Johnson	6010M	9984

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A200725  
 Sample ID: BG11E-0-2  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	83.4	%			12/20/02	11:42	M. Ricke	CLP	9979

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Past	30.4 gm	10.0 ml	12/19/02		M. Ricke	3550

### LABORATORY COMMENTS:

ND - Not detected at the report limit.  
 B - Analyte was detected in the method blank.  
 J - Estimated Value below Report Limit.  
 H - Estimated Value above the calibration limit of the instrument.  
 S - Recovery outside Laboratory historical or method prescribed limits.  
 All reported results for metals or Organic analyses have been corrected for dry weight.  
 Pesticide surrogate diluted below detectable levels due to sample matrix. 4,4'-DDE result shows >40% difference between channels.

End of Sample Report.



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200726  
 Sample ID: BG11E-2-6  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 6/02  
 Time Collected: 12:35  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	ND	ug/kg	0.0042	1	12/24/02	23:44	Henderson	8081A	267
Toxaphene	ND	ug/kg	0.425	1	12/24/02	23:44	Henderson	8081A	267
<b>*METALS*</b>									
Arsenic	8.35	ug/kg	1.22	1	12/12/02	13:47	C.Johnson	6010B	996A
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	78.4	%			12/20/02	11:47	M. Rieke	CLP	9980

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	30.1 g <sub>a</sub>	10.0 ml	12/19/02		M. Rieke	3350

Surrogate	% Recovery	Target Range
pest. surr-TOMX	96.	48. - 132.
pest. surr-DCB	102.	46. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A200726  
Sample ID: BG11E-2-6  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - S - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200727  
 Sample ID: BG11E-6-10  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 6/02  
 Time Collected: 12:45  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Dieldrin	ND	J	ug/kg	0.0047	1	12/25/02	0:12	Henderson	8081A 267
Toxaphene	ND		ug/kg	0.472	1	12/25/02	0:12	Henderson	8081A 267
<b>*METALS*</b>									
Arsenic	11.7		ug/kg	1.39	1	12/12/02	13:47	C.Johnson	8010B 9984
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	70.6					12/20/02	11:47	M. Rieke	CLP 9980

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	30.1 gm	10.0 ml	12/19/02		M. Rieke	3550

Surrogate	% Recovery	Target Range
pest surr-TOM	116.	48. - 132.
pest surr-DCB	126.	46. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A200727  
Sample ID: BG11E-6-10  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - \* - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A200722  
Sample ID: BGL1W-0-2  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: STEVEN SUSTEN

Date Collected: 12/ 6/02  
Time Collected: 11:35  
Date Received: 12/ 7/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	3.34	ng/kg	0.173	100	12/26/02	10:49	Henderson	8081A	267
a-BHC	0.0868	ng/kg	0.0173	10	12/26/02	10:49	Henderson	8081A	267
b-BHC	0.188	ng/kg	0.0173	10	12/26/02	10:49	Henderson	8081A	267
d-BHC	ND	ng/kg	0.0173	10	12/26/02	10:49	Henderson	8081A	267
γ-BHC, Lindane	0.0556	ng/kg	0.0173	10	12/26/02	10:49	Henderson	8081A	267
4,4'-DDD	0.660	ng/kg	0.347	100	12/26/02	10:49	Henderson	8081A	267
4,4'-DDE	0.556	ng/kg	0.347	100	12/26/02	10:49	Henderson	8081A	267
4,4'-DDT	7.47	ng/kg	1.73	500	12/26/02	10:49	Henderson	8081A	267
Dieldrin	3.09	ng/kg	0.347	100	12/26/02	10:49	Henderson	8081A	267
Endosulfan I	ND	ng/kg	0.173	100	12/26/02	10:49	Henderson	8081A	267
Endosulfan II	ND	ng/kg	0.347	100	12/26/02	10:49	Henderson	8081A	267
Endosulfan sulfate	ND	ng/kg	0.347	100	12/26/02	10:49	Henderson	8081A	267
Endrin	ND	ng/kg	0.347	100	12/26/02	10:49	Henderson	8081A	267
Endrin aldehyde	ND	ng/kg	0.347	100	12/26/02	10:49	Henderson	8081A	267
Endrin Ketone	0.209	ng/kg	0.0347	10	12/26/02	10:49	Henderson	8081A	267
Heptachlor	ND	ng/kg	0.173	100	12/26/02	10:49	Henderson	8081A	267
Heptachlor epoxide	ND	ng/kg	0.173	100	12/26/02	10:49	Henderson	8081A	267
Melthoxychlor	ND	ng/kg	1.73	100	12/26/02	10:49	Henderson	8081A	267
Toxaphene	31.9	ng/kg	6.94	20	12/26/02	10:49	Henderson	8081A	267
alpha-Chlordane	ND	ng/kg	0.173	100	12/26/02	10:49	Henderson	8081A	267
gamma-Chlordane	ND	ng/kg	0.173	100	12/26/02	10:49	Henderson	8081A	267
<b>*METALS*</b>									
Arsenic	82.3	ng/kg	1.01	1	12/12/02	12:47	C. Johnson	6010B	9984

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A200722

Sample ID: BG11W-0-2

Project: 37778-010-1400

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	98.9	%			12/20/02	11:42	M. Ricke	CLP	9979

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.2 gm	10.0 ml	12/19/02		M. Ricke	3550

### LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.

# TestAmerica

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## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200723  
 Sample ID: BG11W-2-6  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 6/02  
 Time Collected: 11:45  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Dieldrin	ND	J mg/kg	0.0043	1	12/24/02	22:17	Henderson	6081A	267
Toxaphene	ND	mg/kg	0.439	1	12/24/02	22:17	Henderson	6081A	267
<b>*METALS*</b>									
Arsenic	9.18	mg/kg	1.32	1	12/12/02	13:47	C. Johnson	6010B	9984
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	75.9	%			12/20/02	11:42	M. Rieke	CLP	9979

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	29.8 g/l	10.0 ml	12/19/02		M. Rieke	3550

Surrogate	% Recovery	Target Range
pest surr-TCMX	94.	48. - 132.
pest surr-DCB	94.	46. - 140.

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 02-A200723  
Sample ID: BG11W-2-6  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - K - Estimated Value above the calibration limit of the instrument.
  - S - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or organic analyses have been corrected for dry weight.

End of Sample Report.



# TestAmerica

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## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200724  
 Sample ID: BG11W-6-10  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 6/02  
 Time Collected: 11:55  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	ND	J	ug/kg	0.0046	1	12/24/02	22:46	Henderson	8081A 267
Toxaphene	ND		ug/kg	0.463	1	12/24/02	22:46	Henderson	8081A 267
<b>*METALS*</b>									
Arsenic	7.18		ug/kg	1.34	1	12/12/02	12:47	C.Johnson	6010B 9984
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	71.9	%				12/20/02	11:42	M. Rieke	CLP 9979

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	30.2 gm	10.0 ml	12/19/02		M. Rieke	3660

Surrogate	% Recovery	Target Range
pest surr-TCMX	112.	48. - 132.
pest surr-DCB	98.	46. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A200724  
Sample ID: BG11W-6-10  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - # - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A207207

Sample ID: BG11-SC

Date Collected: 12/14/02

Project: 27778-010-1400

Time Collected: 15:15

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	mg/kg	0.208	100	12/30/02	19:15	Carmichael	8081A	5448
a-BHC	ND	mg/kg	0.208	100	12/30/02	19:15	Carmichael	8081A	5448
b-BHC	ND	mg/kg	0.208	100	12/30/02	19:15	Carmichael	8081A	5448
d-BHC	ND	mg/kg	0.208	100	12/30/02	19:15	Carmichael	8081A	5448
g-BHC, Lindane	ND	mg/kg	0.208	100	12/30/02	19:15	Carmichael	8081A	5448
4,4'-DDD	2.89	mg/kg	0.418	100	12/30/02	19:15	Carmichael	8081A	5448
4,4'-DDE	1.47	mg/kg	0.418	100	12/30/02	19:15	Carmichael	8081A	5448
4,4'-DDT	0.752	mg/kg	0.418	100	12/30/02	19:15	Carmichael	8081A	5448
Dieldrin	2.38	mg/kg	0.418	100	12/30/02	19:15	Carmichael	8081A	5448
Endosulfan I	ND	mg/kg	0.208	100	12/30/02	19:15	Carmichael	8081A	5448
Endosulfan II	ND	mg/kg	0.418	100	12/30/02	19:15	Carmichael	8081A	5448
Endosulfan sulfate	ND	mg/kg	0.418	100	12/30/02	19:15	Carmichael	8081A	5448
Endrin	ND	mg/kg	0.418	100	12/30/02	19:15	Carmichael	8081A	5448
Endrin aldehyde	ND	mg/kg	0.418	100	12/30/02	19:15	Carmichael	8081A	5448
Endrin Ketone	ND	mg/kg	0.418	100	12/30/02	19:15	Carmichael	8081A	5448
Heptachlor	ND	mg/kg	0.208	100	12/30/02	19:15	Carmichael	8081A	5448
Heptachlor epoxide	ND	mg/kg	0.208	100	12/30/02	19:15	Carmichael	8081A	5448
Methoxychlor	ND	mg/kg	2.08	100	12/30/02	19:15	Carmichael	8081A	5448
Toxaphene	48.3	mg/kg	20.8	50	12/30/02	19:15	Carmichael	8081A	5448
alpha-Chlordane	ND	mg/kg	0.208	100	12/30/02	19:15	Carmichael	8081A	5448
gamma-Chlordane	ND	mg/kg	0.208	100	12/30/02	19:15	Carmichael	8081A	5448
*METALS*									
Arsenic	68.9	mg/kg	1.20	1	12/31/02	13:08	C. Martin	6010B	7686
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	79.7	%			12/23/02	15:30	K. Keller	CLP	7718

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207207

Sample ID: BG11-SC

Date Collected: 12/14/02

Project: 37778-010-1400

Time Collected: 15:15

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/27/02		M. Cauthen	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix. 4,4'-DDT result shows >40% difference between channels.

## TEST AMERICA INC.

## ANALYTICAL REPORT

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202580

Sample ID: BGI2E 0-2

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 10:30

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Aldrin	ND	mg/kg	0.0420	20	12/19/02	16:32	Carmichael	8081A	9132
a-BHC	ND	mg/kg	0.0420	20	12/19/02	16:32	Carmichael	8081A	9132
b-BHC	0.0673	mg/kg	0.0420	20	12/19/02	16:32	Carmichael	8081A	9132
d-BHC	ND	mg/kg	0.0420	20	12/19/02	16:32	Carmichael	8081A	9132
g-BHC, Lindane	ND	mg/kg	0.0420	20	12/19/02	16:32	Carmichael	8081A	9132
4,4'-DDD	0.218	mg/kg	0.0841	20	12/19/02	16:32	Carmichael	8081A	9132
4,4'-DDE	0.294	mg/kg	0.0841	20	12/19/02	16:32	Carmichael	8081A	9132
4,4'-DDT	0.446	mg/kg	0.0841	20	12/19/02	16:32	Carmichael	8081A	9132
Dieldrin	0.328	mg/kg	0.0841	20	12/19/02	16:32	Carmichael	8081A	9132
Endosulfan I	ND	mg/kg	0.0420	20	12/19/02	16:32	Carmichael	8081A	9132
Endosulfan II	ND	mg/kg	0.0841	20	12/19/02	16:32	Carmichael	8081A	9132
Endosulfan sulfate	ND	mg/kg	0.0841	20	12/19/02	16:32	Carmichael	8081A	9132
Endrin	ND	mg/kg	0.0841	20	12/19/02	16:32	Carmichael	8081A	9132
Endrin aldehyde	ND	mg/kg	0.0841	20	12/19/02	16:32	Carmichael	8081A	9132
Endrin Ketone	ND	mg/kg	0.0841	20	12/19/02	16:32	Carmichael	8081A	9132
Heptachlor	ND	mg/kg	0.0420	20	12/19/02	16:32	Carmichael	8081A	9132
Heptachlor epoxide	ND	mg/kg	0.0420	20	12/19/02	16:32	Carmichael	8081A	9132
Methoxychlor	ND	mg/kg	0.420	20	12/19/02	16:32	Carmichael	8081A	9132
Toxaphene	3.62	mg/kg	0.841	2	12/19/02	16:32	Carmichael	8081A	9132
alpha-Chlordane	ND	mg/kg	0.0420	20	12/19/02	16:32	Carmichael	8081A	9132
gamma-Chlordane	ND	mg/kg	0.0420	20	12/19/02	16:32	Carmichael	8081A	9132
*METALS*									
Arsenic	138.	mg/kg	1.24	1	12/16/02	12:46	C. Johnson	6010B	2422
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	79.2	%			12/17/02	16:00	K. Keller	CLP	2425

## TEST AMERICA INC

## ANALYTICAL REPORT

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A202580

Sample ID: BG12E 0-2

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 10:30

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/18/02		M. Cauthen	3550

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202581

Sample ID: BG12E 2-6

Date Collected: 12/10/02

Project: 37776-010-1400

Time Collected: 10:35

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0042	1	12/19/02	5:23	Carmichael	8081A	9132
Toxaphene	ND	mg/kg	0.422	1	12/19/02	5:23	Carmichael	8081A	9132
*METALS*									
Arsenic	7.33	mg/kg	1.27	1	12/16/02	12:46	C. Johnson	6010B	2422
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	79.0	%			12/17/02	16:00	K. Keller	CLP	2425

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.1 gm	10.0 ml	12/18/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	107.	48. - 132.
pest surr-DCB	98.	46. - 140.

## TEST AMERICA INC

## ANALYTICAL REPORT

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202581

Sample ID: BGI2E 2-6

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 10:35

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.



## TEST AMERICA INC

## ANALYTICAL REPORT

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

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URS 2693

BRENT JACOBS

5900 WINDHARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202582

Sample ID: BG12E 6-10

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 10:45

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0045	1	12/19/02	6:50	Carmichael	8081A	9132
Toxaphene	ND	mg/kg	0.453	1	12/19/02	6:50	Carmichael	8081A	9132
*METALS*									
Arsenic	9.07	mg/kg	1.37	1	12/16/02	12:46	C. Johnson	6010B	2422
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	73.5	%			12/17/02	16:00	K. Keller	CLP	2425

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.2 gm	10.0 ml	12/18/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TOM	102.	48. - 132.
pest surr-DCB	96.	46. - 140.

## TEST AMERICA INC

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202582

Sample ID: BG12E 6-10

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 10:45

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDHARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202577

Sample ID: BGL2W 0-2

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 9:45

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
aldrin	ND	mg/kg	0.201	100	12/19/02	16:06	Carmichael	8081A	9132
a-BHC	ND	mg/kg	0.201	100	12/19/02	16:06	Carmichael	8081A	9132
b-BHC	ND	mg/kg	0.201	100	12/19/02	16:06	Carmichael	8081A	9132
d-BHC	ND	mg/kg	0.201	100	12/19/02	16:06	Carmichael	8081A	9132
g-BHC, Lindane	ND	mg/kg	0.201	100	12/19/02	16:06	Carmichael	8081A	9132
4,4'-DDD	2.25	mg/kg	0.403	100	12/19/02	16:06	Carmichael	8081A	9132
4,4'-DDE	1.13	mg/kg	0.403	100	12/19/02	16:06	Carmichael	8081A	9132
4,4'-DDT	ND	mg/kg	0.403	100	12/19/02	16:06	Carmichael	8081A	9132
Dieldrin	1.33	mg/kg	0.403	100	12/19/02	16:06	Carmichael	8081A	9132
Endosulfan I	ND	mg/kg	0.201	100	12/19/02	16:06	Carmichael	8081A	9132
Endosulfan II	ND	mg/kg	0.403	100	12/19/02	16:06	Carmichael	8081A	9132
Endosulfan sulfate	ND	mg/kg	0.403	100	12/19/02	16:06	Carmichael	8081A	9132
Endrin	ND	mg/kg	0.403	100	12/19/02	16:06	Carmichael	8081A	9132
Endrin aldehyde	ND	mg/kg	0.403	100	12/19/02	16:06	Carmichael	8081A	9132
Endrin Ketone	ND	mg/kg	0.403	100	12/19/02	16:06	Carmichael	8081A	9132
Heptachlor	ND	mg/kg	0.201	100	12/19/02	16:06	Carmichael	8081A	9132
Heptachlor epoxide	ND	mg/kg	0.201	100	12/19/02	16:06	Carmichael	8081A	9132
Methoxychlor	ND	mg/kg	2.01	100	12/19/02	16:06	Carmichael	8081A	9132
Toxaphene	75.3	mg/kg	20.1	50	12/19/02	16:06	Carmichael	8081A	9132
alpha-Chlordane	ND	mg/kg	0.201	100	12/19/02	16:06	Carmichael	8081A	9132
gamma-Chlordane	ND	mg/kg	0.201	100	12/19/02	16:06	Carmichael	8081A	9132
<b>*METALS*</b>									
Arsenic	144.	mg/kg	1.15	1	12/16/02	12:46	C. Johnson	6010B	2422
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	82.7	%			12/17/02	16:00	K. Keller	CLP	2425

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693  
ERENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202577

Sample ID: BGI2W 0-2

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 9:45

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/18/02		M. Cauthen	3550

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

/ - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix. DDD results were >40% different between analytical columns.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
BRENT JACOBS  
5900 WINDWARD HWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202578

Sample ID: BG12W 2-6

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 9:50

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	ND	mg/kg	0.0042	1	12/19/02	3:56	Carmichael	8081A	9132
Toxaphene	ND	mg/kg	0.420	1	12/19/02	3:56	Carmichael	8081A	9132
<b>*METALS*</b>									
Arsenic	6.95	mg/kg	1.24	1	12/16/02	12:46	C. Johnson	6010B	2422
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	79.3	%			12/17/02	16:00	K. Keller	CLP	2425

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.2 gm	10.0 ml	12/18/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	94.	48. - 132.
pest surr-DCB	94.	46. - 140.

## TEST AMERICA INC

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD HWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A202578

Sample ID: BG12W 2-6

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 9:50

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

/ - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A202579

Sample ID: BG12W 6-10

Date Collected: 12/10/02

Project: 37776-010-1400

Time Collected: 10:00

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0045	1	12/19/02	4:25	Carmichael	8081A	9132
Toxaphene	ND	mg/kg	0.451	1	12/19/02	4:25	Carmichael	8081A	9132
*METALS*									
Arsenic	8.02	mg/kg	1.30	1	12/16/02	12:46	C. Johnson	6010B	2422
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	73.9	%			12/17/02	16:00	K. Keller	CLP	2425

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.2 gm	10.0 ml	12/18/02		M. Caithen	3550

Surrogate	% Recovery	Target Range
pest surr-TQM	112.	48. - 132.
pest surr-DCB	104.	46. - 140.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202579

Sample ID: BGL2W 6-10

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 10:00

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSIEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - # - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A208018  
 Sample ID: BG12-SC  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHRIS MILLER

Date Collected: 12/17/02  
 Time Collected: 8:30  
 Date Received: 12/18/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Aldrin	0.0458	mg/kg	0.0208	10	1/ 3/02	9:31	Carmichael	8081A	6958
a-BHC	0.0542	mg/kg	0.0208	10	1/ 3/02	9:31	Carmichael	8081A	6958
β-BHC	0.129	mg/kg	0.0208	10	1/ 3/02	9:31	Carmichael	8081A	6958
δ-BHC	0.0626	mg/kg	0.0208	10	1/ 3/02	9:31	Carmichael	8081A	6958
γ-BHC, Lindane	0.0333	mg/kg	0.0208	10	1/ 3/02	9:31	Carmichael	8081A	6958
4,4'-DDD	0.809	mg/kg	0.0824	20	1/ 3/02	9:31	Carmichael	8081A	6958
4,4'-DDE	0.538	mg/kg	0.0417	10	1/ 3/02	9:31	Carmichael	8081A	6958
4,4'-DDT	0.504	mg/kg	0.0417	10	1/ 3/02	9:31	Carmichael	8081A	6958
Dieldrin	0.382	mg/kg	0.0417	10	1/ 3/02	9:31	Carmichael	8081A	6958
Endosulfan I	ND	mg/kg	0.0208	10	1/ 3/02	9:31	Carmichael	8081A	6958
Endosulfan II	ND	mg/kg	0.0417	10	1/ 3/02	9:31	Carmichael	8081A	6958
Endosulfan sulfate	ND	mg/kg	0.0417	10	1/ 3/02	9:31	Carmichael	8081A	6958
Endrin	ND	mg/kg	0.0417	10	1/ 3/02	9:31	Carmichael	8081A	6958
Endrin aldehyde	ND	mg/kg	0.0417	10	1/ 3/02	9:31	Carmichael	8081A	6958
Endrin Ketone	ND	mg/kg	0.0417	10	1/ 3/02	9:31	Carmichael	8081A	6958
Heptachlor	ND	mg/kg	0.0208	10	1/ 3/02	9:31	Carmichael	8081A	6958
Heptachlor epoxide	ND	mg/kg	0.0208	10	1/ 3/02	9:31	Carmichael	8081A	6958
Methoxychlor	ND	mg/kg	0.208	10	1/ 3/02	9:31	Carmichael	8081A	6958
Toxaphene	ND	mg/kg	4.17	10	1/ 3/02	9:31	Carmichael	8081A	6958
alpha-Chlordane	ND	mg/kg	0.0208	10	1/ 3/02	9:31	Carmichael	8081A	6958
gamma-Chlordane	ND	mg/kg	0.0208	10	1/ 3/02	9:31	Carmichael	8081A	6958
<b>*METALS*</b>									
Arsenic	112.	mg/kg	1.24	1	1/ 2/03	11:57	G. Martin	60108	8631

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A208018  
 Sample ID: BG12-SC  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	79.9	%			12/30/02	14:30	K. Keller	CLP	8634

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.2 gm	10.0 ml	12/21/02		M. Caughen	3550

### LABORATORY COMMENTS:

ND - Not detected at the report limit.  
 B - Analyte was detected in the method blank.  
 J - Estimated Value below Report Limit.  
 E - Estimated Value above the calibration limit of the instrument.  
 # - Recovery outside Laboratory historical or method prescribed limits.  
 All reported results for metals or Organic analyses have been corrected for dry weight.  
 Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.

TEST AMERICA INC  
 2960 Foster Creighton Drive  
 Nashville, Tennessee 37204

ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
 BRENT JACOBS  
 5900 WINDHARD HWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A199070

Sample ID: BG13E 0-2 Date Collected: 12/ 3/02

Project: 37778-010-1200 Time Collected: 10:50

Project Name: RED PANTHER Date Received: 12/ 5/02

Sampler: SS/MA Time Received: 9:00

State Certification: Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.0022	1	12/15/02	0:58	Henderson	8081A	3997
a-BHC	0.0220	mg/kg	0.0022	1	12/15/02	0:58	Henderson	8081A	3997
b-BHC	0.0080	mg/kg	0.0022	1	12/15/02	0:58	Henderson	8081A	3997
d-BHC	ND	mg/kg	0.0022	1	12/15/02	0:58	Henderson	8081A	3997
g-BHC, Lindane	0.0025	mg/kg	0.0022	1	12/15/02	0:58	Henderson	8081A	3997
4,4'-DDD	0.0136	mg/kg	0.0042	1	12/15/02	0:58	Henderson	8081A	3997
4,4'-DDE	0.0175	mg/kg	0.0042	1	12/15/02	0:58	Henderson	8081A	3997
4,4'-DDT	0.0606	mg/kg	0.0042	1	12/15/02	0:58	Henderson	8081A	3997
Dieldrin	0.0093	mg/kg	0.0042	1	12/15/02	0:58	Henderson	8081A	3997
Endosulfan I	ND	mg/kg	0.0022	1	12/15/02	0:58	Henderson	8081A	3997
Endosulfan II	ND	mg/kg	0.0042	1	12/15/02	0:58	Henderson	8081A	3997
Endosulfan sulfate	ND	mg/kg	0.0042	1	12/15/02	0:58	Henderson	8081A	3997
Endrin	ND	mg/kg	0.0042	1	12/15/02	0:58	Henderson	8081A	3997
Endrin aldehyde	ND	mg/kg	0.0042	1	12/15/02	0:58	Henderson	8081A	3997
Endrin Ketone	ND	mg/kg	0.0042	1	12/15/02	0:58	Henderson	8081A	3997
Heptachlor	ND	mg/kg	0.0022	1	12/15/02	0:58	Henderson	8081A	3997
Heptachlor epoxide	ND	mg/kg	0.0022	1	12/15/02	0:58	Henderson	8081A	3997
Methoxychlor	ND	mg/kg	0.0211	1	12/15/02	0:58	Henderson	8081A	3997
Toxaphene	ND	mg/kg	0.211	1	12/15/02	0:58	Henderson	8081A	3997
alpha-Chlordane	ND	mg/kg	0.0022	1	12/15/02	0:58	Henderson	8081A	3997
gamma-Chlordane	ND	mg/kg	0.0022	1	12/15/02	0:58	Henderson	8081A	3997
<b>*METALS*</b>									
Arsenic	375.	mg/kg	1.24	1	12/11/02	9:55	C. Martin	6010B	8033
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	78.5	%			12/ 9/02	11:30	K. Keller	CLP	8039

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A199070

Sample ID: BGL3E 0-2

Date Collected: 12/ 3/02

Project: 37778-010-1200

Time Collected: 10:50

Project Name: RED PANTHER

Date Received: 12/ 5/02

Sampler: SS/MA

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
GC Pest	29.9 gm	10.0 ml	12/11/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	118.	48. - 132.
pest surr-DCB	67.	46. - 140.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Beta-BHC, 4,4'DDD results show >40% difference between  
channels.

TEST AMERICA INC  
 2960 Foster Creighton Drive  
 Nashville, Tennessee 37204

ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005  
 Lab Number: 02-A199071

Sample ID: BGL3E 2-6 Date Collected: 12/ 3/02

Project: 37778-010-1200 Time Collected: 10:58

Project Name: RED PANTHER Date Received: 12/ 5/02

Sampler: SS/MA Time Received: 9:00

State Certification: Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0042	1	12/12/02	18:37	Henderson	8081A	3997
Toxaphene	ND	mg/kg	0.212	1	12/12/02	18:37	Henderson	8081A	3997
*METALS*									
Arsenic	10.9	mg/kg	1.24	1	12/11/02	9:55	C. Martin	6010B	8033
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	78.3	%			12/ 9/02	11:30	K. Keller	CLP	8039

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/11/02		N. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TCMX	105.	48. - 132.
pest surr-DCB	94.	46. - 140.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
ERENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A199071

Sample ID: BG13E 2-6

Date Collected: 12/ 3/02

Project: 37778-010-1200

Time Collected: 10:58

Project Name: RED PANTHER

Date Received: 12/ 5/02

Sampler: SS/MA

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

/ - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
 2960 Foster Creighton Drive  
 Nashville, Tennessee 37204

ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
 BRENT JACOBS  
 5900 HINDVARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A199072

Sample ID: BG13E 6-10

Date Collected: 12/ 3/02

Project: 37778-010-1200

Time Collected: 11:00

Project Name: RED PANTHER

Date Received: 12/ 5/02

Sampler: SS/MA

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0043	1	12/12/02	20:10	Henderson	8081A	3997
Toxaphene	ND	mg/kg	0.216	1	12/12/02	20:10	Henderson	8081A	3997
*METALS*									
Arsenic	20.6	mg/kg	1.26	1	12/11/02	9:55	C. Martin	6010B	8033
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	76.8	%			12/ 9/02	11:30	K. Keller	CLP	8039

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	30.1 gm	10.0 ml	12/11/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	101.	48. - 132.
pest surr-DCB	95.	46. - 140.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A199072

Sample ID: BGL3E 6-10

Date Collected: 12/ 3/02

Project: 37778-010-1200

Time Collected: 11:00

Project Name: RED PANTHER

Date Received: 12/ 5/02

Sampler: SS/MA

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.



TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A199067

Sample ID: BG13W 0-2

Date Collected: 12/ 3/02

Project: 37778-010-1200

Time Collected: 10:05

Project Name: RED PANTHER

Date Received: 12/ 5/02

Sampler: SS/MA

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.0414	20	12/15/02	0:27	Henderson	8081A	3997
a-BHC	0.0828	mg/kg	0.0414	20	12/15/02	0:27	Henderson	8081A	3997
b-BHC	0.928	mg/kg	0.0414	20	12/15/02	0:27	Henderson	8081A	3997
d-BHC	0.108	mg/kg	0.0414	20	12/15/02	0:27	Henderson	8081A	3997
g-BHC, Lindane	ND	mg/kg	0.0414	20	12/15/02	0:27	Henderson	8081A	3997
4,4'-DDD	0.0828	mg/kg	0.0828	20	12/15/02	0:27	Henderson	8081A	3997
4,4'-DDE	0.141	mg/kg	0.0828	20	12/15/02	0:27	Henderson	8081A	3997
4,4'-DDT	0.423	mg/kg	0.0828	20	12/15/02	0:27	Henderson	8081A	3997
Dieldrin	0.124	mg/kg	0.0828	20	12/15/02	0:27	Henderson	8081A	3997
Endosulfan I	ND	mg/kg	0.0414	20	12/15/02	0:27	Henderson	8081A	3997
Endosulfan II	ND	mg/kg	0.0828	20	12/15/02	0:27	Henderson	8081A	3997
Endosulfan sulfate	ND	mg/kg	0.0828	20	12/15/02	0:27	Henderson	8081A	3997
Endrin	ND	mg/kg	0.0828	20	12/15/02	0:27	Henderson	8081A	3997
Endrin aldehyde	ND	mg/kg	0.0828	20	12/15/02	0:27	Henderson	8081A	3997
Endrin Ketone	ND	mg/kg	0.0828	20	12/15/02	0:27	Henderson	8081A	3997
Heptachlor	ND	mg/kg	0.0414	20	12/15/02	0:27	Henderson	8081A	3997
Heptachlor epoxide	ND	mg/kg	0.0414	20	12/15/02	0:27	Henderson	8081A	3997
Methoxychlor	ND	mg/kg	0.414	20	12/15/02	0:27	Henderson	8081A	3997
Toxaphene	2.15	mg/kg	0.414	2	12/15/02	0:27	Henderson	8081A	3997
alpha-Chlordane	ND	mg/kg	0.0414	20	12/15/02	0:27	Henderson	8081A	3997
gamma-Chlordane	ND	mg/kg	0.0414	20	12/15/02	0:27	Henderson	8081A	3997
<b>*METALS*</b>									
Arsenic	33.5	mg/kg	1.23	1	12/11/02	9:55	C. Martin	6010B	8033
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	80.4	%			12/ 9/02	11:30	K. Keller	CLP	8039

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: O2-A199067

Sample ID: BG13V 0-2

Date Collected: 12/ 3/02

Project: 37778-010-1200

Time Collected: 10:05

Project Name: RED PANTHER

Date Received: 12/ 5/02

Sampler: SS/MA

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.2 gm	10.0 ml	12/11/02		M. Cauthen	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix. Delta-BEC result shows >40% difference between channels.

TEST AMERICA INC  
 2960 Foster Creighton Drive  
 Nashville, Tennessee 37204

ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A199068

Sample ID: BG13W 2-6 Date Collected: 12/ 3/02

Project: 37778-010-1200 Time Collected: 10:15

Project Name: RED PANTHER Date Received: 12/ 5/02

Sampler: SS/MA Time Received: 9:00

State Certification: Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0042	1	12/12/02	17:05	Henderson	8081A	3997
Toxaphene	ND	mg/kg	0.212	1	12/12/02	17:05	Henderson	8081A	3997
*METALS*									
Arsenic	61.1	mg/kg	1.23	1	12/11/02	9:55	C. Martin	6010B	8033
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	78.2	%			12/ 9/02	11:30	K. Keller	CLP	8039

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.1 gm	10.0 ml	12/11/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TMX	96.	48. - 132.
pest surr-DCB	92.	46. - 140.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD HWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A199068

Sample ID: BGL3W 2-6

Date Collected: 12/ 3/02

Project: 37778-010-1200

Time Collected: 10:15

Project Name: RED PANTHER

Date Received: 12/ 5/02

Sampler: SS/MA

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A199069

Sample ID: EG13W 6-8

Date Collected: 12/ 3/02

Project: 37778-010-1200

Time Collected: 10:25

Project Name: RED PANTHER

Date Received: 12/ 5/02

Sampler: SS/MA

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0047	1	12/12/02	17:36	Henderson	8081A	3997
Toxaphene	ND	mg/kg	0.239	1	12/12/02	17:36	Henderson	8081A	3997
*METALS*									
Arsenic	157.	mg/kg	1.41	1	12/11/02	9:55	C. Martin	6010B	8033
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	69.6	%			12/ 9/02	11:30	K. Keller	CLP	8039

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.4 gm	10.0 ml	12/11/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	100.	48. - 132.
pest surr-DCB	97.	46. - 140.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD HWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A199069

Sample ID: BGL3W 6-8

Date Collected: 12/ 3/02

Project: 37778-010-1200

Time Collected: 10:25

Project Name: RED PANTHER

Date Received: 12/ 5/02

Sampler: SS/MA

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207197

Sample ID: BG13-SC

Date Collected: 12/14/02

Project: 37776-010-1400

Time Collected: 8:00

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.0107	5	12/28/02	21:26	Carmichael	8081A	5448
a-BHC	ND	mg/kg	0.0107	5	12/28/02	21:26	Carmichael	8081A	5448
b-BHC	ND	mg/kg	0.0107	5	12/28/02	21:26	Carmichael	8081A	5448
d-BHC	ND	mg/kg	0.0107	5	12/28/02	21:26	Carmichael	8081A	5448
g-BHC, Lindane	ND	mg/kg	0.0107	5	12/28/02	21:26	Carmichael	8081A	5448
4,4'-DDD	0.0406	mg/kg	0.0213	5	12/28/02	21:26	Carmichael	8081A	5448
4,4'-DDE	0.118	mg/kg	0.0213	5	12/28/02	21:26	Carmichael	8081A	5448
4,4'-DDT	0.169	mg/kg	0.0213	5	12/28/02	21:26	Carmichael	8081A	5448
Dieldrin	0.0833	mg/kg	0.0213	5	12/28/02	21:26	Carmichael	8081A	5448
Endosulfan I	ND	mg/kg	0.0107	5	12/28/02	21:26	Carmichael	8081A	5448
Endosulfan II	ND	mg/kg	0.0213	5	12/28/02	21:26	Carmichael	8081A	5448
Endosulfan sulfate	ND	mg/kg	0.0213	5	12/28/02	21:26	Carmichael	8081A	5448
Endrin	ND	mg/kg	0.0213	5	12/28/02	21:26	Carmichael	8081A	5448
Endrin aldehyde	ND	mg/kg	0.0213	5	12/28/02	21:26	Carmichael	8081A	5448
Endrin Ketone	ND	mg/kg	0.0213	5	12/28/02	21:26	Carmichael	8081A	5448
Heptachlor	ND	mg/kg	0.0107	5	12/28/02	21:26	Carmichael	8081A	5448
Heptachlor epoxide	ND	mg/kg	0.0107	5	12/28/02	21:26	Carmichael	8081A	5448
Methoxychlor	ND	mg/kg	0.107	5	12/28/02	21:26	Carmichael	8081A	5448
Toxaphene	0.936	mg/kg	0.427	1	12/28/02	21:26	Carmichael	8081A	5448
alpha-Chlordane	ND	mg/kg	0.0107	5	12/28/02	21:26	Carmichael	8081A	5448
gamma-Chlordane	ND	mg/kg	0.0107	5	12/28/02	21:26	Carmichael	8081A	5448
<b>*METALS*</b>									
Arsenic	270.	mg/kg	1.27	1	12/31/02	13:08	C. Martin	6010B	7686
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	77.9	%			12/23/02	15:30	K. Keller	GLP	7718

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207197

Sample ID: BG13-SC

Date Collected: 12/14/02

Project: 37778-010-1400

Time Collected: 8:00

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.5 gm	10.0 ml	12/27/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	70.	48. - 132.
pest surr-DCB	120.	46. - 140.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.



TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY, STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A199076

Sample ID: BGI4E O-2

Date Collected: 12/ 3/02

Project: 37778-010-1200

Time Collected: 13:35

Project Name: RED PANTHER

Date Received: 12/ 5/02

Sampler: SS/MA

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.107	50	12/15/02	1:29	Henderson	8081A	3997
a-BHC	0.192	mg/kg	0.107	50	12/15/02	1:29	Henderson	8081A	3997
b-BHC	ND	mg/kg	0.107	50	12/15/02	1:29	Henderson	8081A	3997
d-BHC	ND	mg/kg	0.107	50	12/15/02	1:29	Henderson	8081A	3997
g-BHC, Lindane	ND	mg/kg	0.107	50	12/15/02	1:29	Henderson	8081A	3997
4,4'-DDD	0.405	mg/kg	0.213	50	12/15/02	1:29	Henderson	8081A	3997
4,4'-DDE	0.597	mg/kg	0.213	50	12/15/02	1:29	Henderson	8081A	3997
4,4'-DDT	1.15	mg/kg	0.213	50	12/15/02	1:29	Henderson	8081A	3997
Dieldrin	0.768	mg/kg	0.213	50	12/15/02	1:29	Henderson	8081A	3997
Endosulfan I	ND	mg/kg	0.107	50	12/15/02	1:29	Henderson	8081A	3997
Endosulfan II	0.321	mg/kg	0.213	50	12/15/02	1:29	Henderson	8081A	3997
Endosulfan sulfate	ND	mg/kg	0.213	50	12/15/02	1:29	Henderson	8081A	3997
Endrin	ND	mg/kg	0.213	50	12/15/02	1:29	Henderson	8081A	3997
Endrin aldehyde	0.385	mg/kg	0.213	50	12/15/02	1:29	Henderson	8081A	3997
Endrin Ketone	ND	mg/kg	0.213	50	12/15/02	1:29	Henderson	8081A	3997
Heptachlor	ND	mg/kg	0.107	50	12/15/02	1:29	Henderson	8081A	3997
Heptachlor epoxide	ND	mg/kg	0.107	50	12/15/02	1:29	Henderson	8081A	3997
Methoxychlor	ND	mg/kg	1.07	50	12/15/02	1:29	Henderson	8081A	3997
Toxaphene	15.4	mg/kg	4.27	20	12/15/02	1:29	Henderson	8081A	3997
alpha-Chlordane	ND	mg/kg	0.107	50	12/15/02	1:29	Henderson	8081A	3997
gamma-Chlordane	ND	mg/kg	0.107	50	12/15/02	1:29	Henderson	8081A	3997
<b>*METALS*</b>									
Arsenic	2450	mg/kg	1.23	1	12/11/02	9:55	C. Martin	6010B	8033
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	78.0	%			12/ 9/02	11:30	K. Keller	CLP	8039

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A199076

Sample ID: BGL4E 0-2

Date Collected: 12/ 3/02

Project: 37778-010-1200

Time Collected: 13:35

Project Name: RED PANTHER

Date Received: 12/ 5/02

Sampler: SS/MA

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/11/02		M. Cauthen	3550

-----  
LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix. 4,4'DDD and endrin aldehyde results show

>40% difference between channels.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A199076

Sample ID: BGL4E 0-2

Date Collected: 12/ 3/02

Project: 37778-010-1200

Time Collected: 13:35

Project Name: RED PANTHER

Date Received: 12/ 5/02

Sampler: SS/MA

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.107	50	12/15/02	1:29	Henderson	8081A	3997
a-BHC	0.192	mg/kg	0.107	50	12/15/02	1:29	Henderson	8081A	3997
b-BHC	ND	mg/kg	0.107	50	12/15/02	1:29	Henderson	8081A	3997
d-BHC	ND	mg/kg	0.107	50	12/15/02	1:29	Henderson	8081A	3997
g-BHC, Lindane	ND	mg/kg	0.107	50	12/15/02	1:29	Henderson	8081A	3997
4,4'-DDD	0.405	mg/kg	0.213	50	12/15/02	1:29	Henderson	8081A	3997
4,4'-DDE	0.597	mg/kg	0.213	50	12/15/02	1:29	Henderson	8081A	3997
4,4'-DDT	1.15	mg/kg	0.213	50	12/15/02	1:29	Henderson	8081A	3997
Dieldrin	0.768	mg/kg	0.213	50	12/15/02	1:29	Henderson	8081A	3997
Endosulfan I	ND	mg/kg	0.107	50	12/15/02	1:29	Henderson	8081A	3997
Endosulfan II	0.321	mg/kg	0.213	50	12/15/02	1:29	Henderson	8081A	3997
Endosulfan sulfate	ND	mg/kg	0.213	50	12/15/02	1:29	Henderson	8081A	3997
Endrin	ND	mg/kg	0.213	50	12/15/02	1:29	Henderson	8081A	3997
Endrin aldehyde	0.385	mg/kg	0.213	50	12/15/02	1:29	Henderson	8081A	3997
Endrin Ketone	ND	mg/kg	0.213	50	12/15/02	1:29	Henderson	8081A	3997
Heptachlor	ND	mg/kg	0.107	50	12/15/02	1:29	Henderson	8081A	3997
Heptachlor epoxide	ND	mg/kg	0.107	50	12/15/02	1:29	Henderson	8081A	3997
Methoxychlor	ND	mg/kg	1.07	50	12/15/02	1:29	Henderson	8081A	3997
Toxaphene	15.4	mg/kg	4.27	20	12/15/02	1:29	Henderson	8081A	3997
alpha-Chlordane	ND	mg/kg	0.107	50	12/15/02	1:29	Henderson	8081A	3997
gamma-Chlordane	ND	mg/kg	0.107	50	12/15/02	1:29	Henderson	8081A	3997
<b>*METALS*</b>									
Arsenic	2450	mg/kg	1.23	1	12/11/02	9:55	C. Martin	6010B	8033
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	78.0	%			12/ 9/02	11:30	K. Keller	CLP	8039

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A199076

Sample ID: BGI4E 0-2

Date Collected: 12/ 3/02

Project: 37778-010-1200

Time Collected: 13:35

Project Name: RED PANTHER

Date Received: 12/ 5/02

Sampler: SS/MA

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/11/02		M. Cauthen	3550

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to

sample matrix. 4,4'DDD and endrin aldehyde results show

>40% difference between channels.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A199077  
 Sample ID: BG14E 2-6  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1200  
 Project Name: RED PANTHER  
 Sampler: SS/MA

Date Collected: 12/ 3/02  
 Time Collected: 13:50  
 Date Received: 12/ 5/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	ND	ug/kg	0.0044	1	12/12/02	22:42	Henderson	8081A	3997
Toxaphene	ND	ug/kg	0.223	1	12/12/02	22:42	Henderson	8081A	3997
<b>*METALS*</b>									
Arsenic	444.	ug/kg	1.29	1	12/11/02	9:55	C. Martin	6010B	8033
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	74.6	%			12/ 9/02	11:30	K. Keller	CLP	8039

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.7 gm	10.0 ml	12/11/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TDMX	100.	48. - 132.
pest surr-PCB	89.	46. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A199077  
Sample ID: BG14E 2-6  
Project: 37778-010-1200  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - S - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A199078  
 Sample ID: BG14E 6-10  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1200  
 Project Name: RED PANTHER  
 Sampler: SS/MA

Date Collected: 12/ 3/02  
 Time Collected: 13:57  
 Date Received: 12/ 5/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCB's/HERBICIDES*</b>									
Dieldrin	ND	ug/kg	0.0047	1	12/12/02	23:14	Henderson	8081A	3997
Toxaphene	ND	ug/kg	0.233	1	12/12/02	23:14	Henderson	8081A	3997
<b>*METALS*</b>									
Arsenic	31.9	ug/kg	1.36	1	12/11/02	9:55	C. Martin	6010B	8033
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	70.6	%			12/ 9/02	11:30	K. Keller	CLP	8039

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.6 gm	10.0 ml	12/11/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TOM	111.	40. - 132.
pest surr-DCB	95.	46. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A199078  
Sample ID: BG14E 6-10  
Project: 37778-010-1200  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - R - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.



TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A199073

Sample ID: BGL4W 0-2

Date Collected: 12/ 3/02

Project: 37778-010-1200

Time Collected: 12:48

Project Name: RED PANTHER

Date Received: 12/ 5/02

Sampler: SS/MA

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	mg/kg	0.0021	1	12/12/02	20:40	Henderson	8081A	3997
a-BHC	0.0025	mg/kg	0.0021	1	12/12/02	20:40	Henderson	8081A	3997
b-BHC	0.0092	mg/kg	0.0021	1	12/12/02	20:40	Henderson	8081A	3997
d-BHC	ND	mg/kg	0.0021	1	12/12/02	20:40	Henderson	8081A	3997
g-BHC, Lindane	ND	mg/kg	0.0021	1	12/12/02	20:40	Henderson	8081A	3997
4,4'-DDD	0.0130	mg/kg	0.0042	1	12/12/02	20:40	Henderson	8081A	3997
4,4'-DDE	0.0113	mg/kg	0.0042	1	12/12/02	20:40	Henderson	8081A	3997
4,4'-DDT	0.0063	mg/kg	0.0042	1	12/12/02	20:40	Henderson	8081A	3997
Di(4)drin	ND	mg/kg	0.0042	1	12/12/02	20:40	Henderson	8081A	3997
Endosulfan I	ND	mg/kg	0.0021	1	12/12/02	20:40	Henderson	8081A	3997
Endosulfan II	ND	mg/kg	0.0042	1	12/12/02	20:40	Henderson	8081A	3997
Endosulfan sulfate	ND	mg/kg	0.0042	1	12/12/02	20:40	Henderson	8081A	3997
Endrin	ND	mg/kg	0.0042	1	12/12/02	20:40	Henderson	8081A	3997
Endrin aldehyde	ND	mg/kg	0.0042	1	12/12/02	20:40	Henderson	8081A	3997
Endrin Ketone	ND	mg/kg	0.0042	1	12/12/02	20:40	Henderson	8081A	3997
Heptachlor	ND	mg/kg	0.0021	1	12/12/02	20:40	Henderson	8081A	3997
Heptachlor epoxide	ND	mg/kg	0.0021	1	12/12/02	20:40	Henderson	8081A	3997
Methoxychlor	ND	mg/kg	0.0209	1	12/12/02	20:40	Henderson	8081A	3997
Toxaphene	ND	mg/kg	0.209	1	12/12/02	20:40	Henderson	8081A	3997
alpha-Chlordane	ND	mg/kg	0.0021	1	12/12/02	20:40	Henderson	8081A	3997
gamma-Chlordane	ND	mg/kg	0.0021	1	12/12/02	20:40	Henderson	8081A	3997
*METALS*									
Arsenic	211.	mg/kg	1.23	1	12/11/02	9:55	C. Martin	6010B	8033
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	79.5	%			12/ 9/02	11:30	K. Keller	CLP	8039

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## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A199073

Sample ID: BGL4W 0-2

Date Collected: 12/ 3/02

Project: 37778-010-1200

Time Collected: 12:48

Project Name: RED PANTHER

Date Received: 12/ 5/02

Sampler: SS/MA

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.3 gm	10.0 ml	12/11/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	99.	48. - 132.
pest surr-DCB	97.	46. - 140.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

/ - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Dieldrin results show >40% difference between channels.

TEST AMERICA INC  
 2960 Foster Creighton Drive  
 Nashville, Tennessee 37204

ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A199074

Sample ID: BGL4W 2-6 Date Collected: 12/ 3/02  
 Project: 37778-010-1200 Time Collected: 13:00  
 Project Name: RED PANTHER Date Received: 12/ 5/02  
 Sampler: SS/Ma Time Received: 9:00

State Certification: Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	ND	mg/kg	0.0044	1	12/12/02	21:11	Henderson	8081A	3997
Toxaphene	ND	mg/kg	0.220	1	12/12/02	21:11	Henderson	8081A	3997
<b>*METALS*</b>									
Arsenic	456.	mg/kg	1.27	1	12/11/02	9:55	C. Martin	6010B	8033
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	75.3	%			12/ 9/02	11:30	K. Keller	CLP	8039

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.2 gm	10.0 ml	12/11/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TCMX	106.	48. - 132.
pest surr-DCB	99.	46. - 140.

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2960 Foster Creighton Drive  
Nashville, Tennessee 37204

ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
BRENT JACOBS  
5900 WINDWARD HWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A199074

Sample ID: BGL4W 2-6

Date Collected: 12/ 3/02

Project: 37778-010-1200

Time Collected: 13:00

Project Name: RED PANTHER

Date Received: 12/ 5/02

Sampler: SS/MA

Time Received: 9:00

State Certification:

Sample Type: Soil

LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - / - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
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 Nashville, Tennessee 37204

ANALYTICAL REPORT

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URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A199075

Sample ID: BGI4W 6-10

Date Collected: 12/ 3/02

Project: 37778-010-1200

Time Collected: 13:05

Project Name: RED PANTHER

Date Received: 12/ 5/02

Sampler: SS/MA

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	ND	mg/kg	0.0047	1	12/12/02	21:42	Henderson	8081A	3997
Toxaphene	ND	mg/kg	0.235	1	12/12/02	21:42	Henderson	8081A	3997
<b>*METALS*</b>									
Arsenic	20.3	mg/kg	1.35	1	12/11/02	9:55	C. Martin	6010B	8033
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	70.6	%			12/ 9/02	11:30	K. Keller	CLP	8039

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.9 gm	10.0 ml	12/11/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	101.	48. - 132.
pest surr-DCB	92.	46. - 140.

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## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDHARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A199075

Sample ID: BGL4W 6-10

Date Collected: 12/ 3/02

Project: 37778-010-1200

Time Collected: 13:05

Project Name: RED PANTHER

Date Received: 12/ 5/02

Sampler: SS/MA

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
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Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD HWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A207198

Sample ID: BGL4-SC

Date Collected: 12/14/02

Project: 37778-010-1400

Time Collected: 8:40

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

Slate Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.0111	5	12/28/02	21:55	Carmichael	8081A	5448
a-BHC	ND	mg/kg	0.0111	5	12/28/02	21:55	Carmichael	8081A	5448
b-BHC	0.0268	mg/kg	0.0111	5	12/28/02	21:55	Carmichael	8081A	5448
d-BHC	ND	mg/kg	0.0111	5	12/28/02	21:55	Carmichael	8081A	5448
g-BHC, Lindane	ND	mg/kg	0.0111	5	12/28/02	21:55	Carmichael	8081A	5448
4,4'-DDD	0.105	mg/kg	0.0222	5	12/28/02	21:55	Carmichael	8081A	5448
4,4'-DDE	0.207	mg/kg	0.0222	5	12/28/02	21:55	Carmichael	8081A	5448
4,4'-DDT	0.274	mg/kg	0.0222	5	12/28/02	21:55	Carmichael	8081A	5448
Dieldrin	0.248	mg/kg	0.0222	5	12/28/02	21:55	Carmichael	8081A	5448
Endosulfan I	ND	mg/kg	0.0111	5	12/28/02	21:55	Carmichael	8081A	5448
Endosulfan II	ND	mg/kg	0.0222	5	12/28/02	21:55	Carmichael	8081A	5448
Endosulfan sulfate	ND	mg/kg	0.0222	5	12/28/02	21:55	Carmichael	8081A	5448
Endrin	ND	mg/kg	0.0222	5	12/28/02	21:55	Carmichael	8081A	5448
Endrin aldehyde	ND	mg/kg	0.0222	5	12/28/02	21:55	Carmichael	8081A	5448
Endrin Ketone	ND	mg/kg	0.0222	5	12/28/02	21:55	Carmichael	8081A	5448
Heptachlor	ND	mg/kg	0.0111	5	12/28/02	21:55	Carmichael	8081A	5448
Heptachlor epoxide	ND	mg/kg	0.0111	5	12/28/02	21:55	Carmichael	8081A	5448
Methoxychlor	ND	mg/kg	0.111	5	12/28/02	21:55	Carmichael	8081A	5448
Toxaphene	3.45	mg/kg	0.892	2	12/28/02	21:55	Carmichael	8081A	5448
alpha-Chlordane	ND	mg/kg	0.0111	5	12/28/02	21:55	Carmichael	8081A	5448
gamma-Chlordane	ND	mg/kg	0.0111	5	12/28/02	21:55	Carmichael	8081A	5448
<b>*METALS*</b>									
Arsenic	2170	mg/kg	1.30	1	12/31/02	13:08	C. Martin	6010B	7686
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	74.7	%			12/23/02	15:30	K. Keller	GLP	7718

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Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDHARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A207198

Sample ID: BGL4-SC

Date Collected: 12/14/02

Project: 37778-010-1400

Time Collected: 8:40

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/27/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	110.	48. - 132.
pest surr-DCB	150. †	46. - 140.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

† - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

4,4-DDT result shows >40% difference between channels.



# Test America

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## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A199082  
 Sample ID: BG15E 0-3  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1200  
 Project Name: RED PANTHER  
 Sampler: SS/MA

Date Collected: 12/ 3/02  
 Time Collected: 14:45  
 Date Received: 12/ 5/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	ug/kg	0.0327	10	12/16/02	12:54	Henderson	8081A	3997
a-BHC	0.0657 P	ug/kg	0.0327	10	12/16/02	12:54	Henderson	8081A	3997
b-BHC	0.0986 P	ug/kg	0.0327	10	12/16/02	12:54	Henderson	8081A	3997
c-BHC	ND	ug/kg	0.0327	10	12/16/02	12:54	Henderson	8081A	3997
g-BHC, Lindane	ND	ug/kg	0.0327	10	12/16/02	12:54	Henderson	8081A	3997
4,4'-DDD	0.0919	ug/kg	0.0657	10	12/16/02	12:54	Henderson	8081A	3997
4,4'-DDE	0.657	ug/kg	0.0657	10	12/16/02	12:54	Henderson	8081A	3997
4,4'-DDT	0.519	ug/kg	0.0657	10	12/16/02	12:54	Henderson	8081A	3997
Dieldrin	0.280	ug/kg	0.0657	10	12/16/02	12:54	Henderson	8081A	3997
Endosulfan I	ND	ug/kg	0.0327	10	12/16/02	12:54	Henderson	8081A	3997
Endosulfan II	ND	ug/kg	0.0657	10	12/16/02	12:54	Henderson	8081A	3997
Endosulfan sulfate	ND	ug/kg	0.0657	10	12/16/02	12:54	Henderson	8081A	3997
Endrin	ND	ug/kg	0.0657	10	12/16/02	12:54	Henderson	8081A	3997
Endrin aldehyde	ND	ug/kg	0.0657	10	12/16/02	12:54	Henderson	8081A	3997
Endrin ketone	ND	ug/kg	0.0657	10	12/16/02	12:54	Henderson	8081A	3997
Heptachlor	ND	ug/kg	0.0327	10	12/16/02	12:54	Henderson	8081A	3997
Heptachlor epoxide	ND	ug/kg	0.0327	10	12/16/02	12:54	Henderson	8081A	3997
Methoxychlor	ND	ug/kg	0.327	10	12/16/02	12:54	Henderson	8081A	3997
Toxaphene	ND	ug/kg	3.27	10	12/16/02	12:54	Henderson	8081A	3997
alpha-Chlordane	0.0525 P	ug/kg	0.0327	10	12/16/02	12:54	Henderson	8081A	3997
gamma-Chlordane	0.191 P	ug/kg	0.0327	10	12/16/02	12:54	Henderson	8081A	3997
<b>*METALS*</b>									
Arsenic	994.	ug/kg	1.98	1	12/12/02	9:55	C. Martin	6010B	8033

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A199082  
 Sample ID: BG15E 0-3  
 Project: 37778-010-1200  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Match
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	80.7	%			12/ 9/02	11:30	K. Keller	CLP	8039
<b>Sample Extraction Data</b>									
Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method		
OC Pest	30.3 gm	10.0 ml	12/11/02			M. Caution	3550		

### LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

\* - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to

sample matrix. Alpha-BHC, beta-BHC, and gamma-chlordane

results show >40% difference between channels.

End of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A199083  
 Sample ID: BG15E 3-6  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1200  
 Project Name: RED PANTHER  
 Sampler: SS/MA

Date Collected: 12/ 3/02  
 Time Collected: 14:55  
 Date Received: 12/ 5/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCB's/HERBICIDES*</b>									
Dieldrin	ND	ug/kg	0.0045	1	12/13/02	2:50	Henderson	8081A	3997
Toxaphene	ND	ug/kg	0.225	1	12/13/02	2:50	Henderson	8081A	3997
<b>*METALS*</b>									
Arsenic	10.7	ug/kg	1.33	1	12/11/02	9:55	C. Martin	6010B	8033
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
† Dry Weight	73.7	%			12/ 9/02	11:30	K. Keller	CLP	8039

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.6 gm	10.0 ml	12/11/02		M. Cauthen	3990

Surrogate	† Recovery	Target Range
pest surr-TOX	105.	48. - 132.
pest surr-DCB	115.	46. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A199083  
Sample ID: BG15E 3-6  
Project: 37778-010-1200  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - N - Estimated Value above the calibration limit of the instrument.
  - L - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or organic analysis have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A199084  
 Sample ID: BG15E 6-10  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1200  
 Project Name: RED PANTHER  
 Sampler: SS/MA

Date Collected: 12/ 3/02  
 Time Collected: 15:05  
 Date Received: 12/ 5/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	ND	ug/kg	0.0232	5	12/15/02	3:35	Henderson	8081A	3997
Toxaphene	ND	ug/kg	1.17	5	12/15/02	3:33	Henderson	8081A	3997
<b>*METALS*</b>									
Arsenic	15.0	ug/kg	1.39	1	12/11/02	9:55	C. Martin	6010B	8033
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	71.4	%			12/ 9/02	11:30	K. Keller	GLP	8039

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Test	29.9 gm	10.0 ml	12/11/02		M. Cauthen	3550

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A199084  
Sample ID: BG15E 6-10  
Project: 37778-010-1200  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated value below Report Limit.
  - E - Estimated value above the calibration limit of the instrument.
  - R - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.  
Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A199079  
 Sample ID: BG15W 0-2  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1200  
 Project Name: RED PANTHER  
 Sampler: SS/MA

Date Collected: 12/ 3/02  
 Time Collected: 14:10  
 Date Received: 12/ 5/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Aldrin	ND	ng/kg	0.327	100	12/15/02	2:31	Henderson	8081A	3997
α-BHC	ND	ng/kg	0.327	100	12/15/02	2:31	Henderson	8081A	3997
β-BHC	ND	ng/kg	0.327	100	12/15/02	2:31	Henderson	8081A	3997
δ-BHC	ND	ng/kg	0.327	100	12/15/02	2:31	Henderson	8081A	3997
γ-BHC, Lindane	ND	ng/kg	0.327	100	12/15/02	2:31	Henderson	8081A	3997
4,4'-DDD	0.984	ng/kg	0.656	100	12/15/02	2:31	Henderson	8081A	3997
4,4'-DDE	2.62	ng/kg	0.656	100	12/15/02	2:31	Henderson	8081A	3997
4,4'-DDT	1.31	ng/kg	0.656	100	12/15/02	2:31	Henderson	8081A	3997
Dieldrin	ND	ng/kg	0.656	100	12/15/02	2:31	Henderson	8081A	3997
Endosulfan I	ND	ng/kg	0.327	100	12/15/02	2:31	Henderson	8081A	3997
Endosulfan II	ND	ng/kg	0.656	100	12/15/02	2:31	Henderson	8081A	3997
Endosulfan sulfate	ND	ng/kg	0.656	100	12/15/02	2:31	Henderson	8081A	3997
Endrin	ND	ng/kg	0.656	100	12/15/02	2:31	Henderson	8081A	3997
Endrin aldehyde	ND	ng/kg	0.656	100	12/15/02	2:31	Henderson	8081A	3997
Endrin Ketone	ND	ng/kg	0.656	100	12/15/02	2:31	Henderson	8081A	3997
Heptachlor	ND	ng/kg	0.327	100	12/15/02	2:31	Henderson	8081A	3997
Heptachlor epoxide	ND	ng/kg	0.327	100	12/15/02	2:31	Henderson	8081A	3997
Methoxychlor	ND	ng/kg	3.27	100	12/15/02	2:31	Henderson	8081A	3997
Toxaphene	ND	ng/kg	32.7	100	12/15/02	2:31	Henderson	8081A	3997
alpha-Chlordane	ND	ng/kg	0.327	100	12/15/02	2:31	Henderson	8081A	3997
gamma-Chlordane	ND	ng/kg	0.327	100	12/15/02	2:31	Henderson	8081A	3997
<b>*METALS*</b>									
Arsenic	1890	ug/kg	1.93	1	12/11/02	9:56	C. Martin	6010B	8033

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A199079  
 Sample ID: BG15W 0-2  
 Project: 37778-010-1200  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Match
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
* Dry Weight	50.8	%			12/ 9/02	11:30	K. Keller	CLP	8039

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Post	30.2 gm	10.0 ml	12/11/02		M. Cauthen	1550

**LABORATORY COMMENTS:**

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - \* - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.  
 Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A199080  
Sample ID: BG15W 2-6  
Sample Type: Soil  
Site ID:

Project: 37778-010-1200  
Project Name: RED PANTHER  
Sampler: SS/MA

Date Collected: 12/ 3/02  
Time Collected: 14:15  
Date Received: 12/ 5/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Sil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	ND	ug/kg	0.0045	1	12/13/02	0:16	Henderson	8081A	3997
Toxaphene	ND	ug/kg	0.225	1	12/13/02	0:16	Henderson	8081A	3997
<b>*METALS*</b>									
Arsenic	229.	ug/kg	1.31	1	12/11/02	9:55	C. Martin	6010B	8033
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	73.9	%			12/ 9/02	11:30	K. Keller	CLP	8039

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.5 gm	10.0 ml	12/11/02		M. Cauthen	1650

Surrogate	% Recovery	Target Range
pest surr-TOX	74.	48. - 132.
pest surr-DCB	116.	46. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A199080  
Sample ID: BG15W 2-6  
Project: 37778-010-1200  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - # - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A199081  
Sample ID: BG15W 6-10  
Sample Type: Soil  
Site ID:

Project: 37778-010-1200  
Project Name: RED PANTHER  
Sampler: SS/MA

Date Collected: 12/ 3/02  
Time Collected: 14:25  
Date Received: 12/ 5/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	ND	mg/kg	0.0045	1	12/13/02	0:47	Henderson	8061A	3997
Toxophene	ND	mg/kg	0.226	1	12/13/02	0:47	Henderson	8061A	3997
<b>*METALS*</b>									
Arsenic	9.39	mg/kg	1.34	1	12/11/02	9:55	C. Martin	6010B	8023
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	73.2	%			12/ 9/02	11:30	K. Keller	CLP	8039

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/11/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TCMX	102.	48. - 132.
pest surr-DCB	99.	46. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A199081  
Sample ID: BG15W 6-10  
Project: 37778-010-1200  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - S - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A205837  
 Sample ID: BG15-SC  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHARLES WAY

Date Collected: 12/12/02  
 Time Collected: 15:05  
 Date Received: 12/14/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PERSISTENT/POC'S/RESIDUES*</b>									
Aldrin	ND	ug/kg	0.0100	5	12/24/02	1:32	Carmichael	8081A	2092
a-BHC	ND	ug/kg	0.0100	5	12/24/02	1:32	Carmichael	8081A	2092
b-BHC	ND	ug/kg	0.0100	5	12/24/02	1:32	Carmichael	8081A	2092
d-BHC	ND	ug/kg	0.0100	5	12/24/02	1:32	Carmichael	8081A	2092
γ-BHC, Lindane	ND	ug/kg	0.0100	5	12/24/02	1:32	Carmichael	8081A	2092
4,4'-DDE	ND	ug/kg	0.0210	5	12/24/02	1:32	Carmichael	8081A	2092
4,4'-DDE	ND	ug/kg	0.0210	5	12/24/02	1:32	Carmichael	8081A	2092
4,4'-DDT	ND	ug/kg	0.0210	5	12/24/02	1:32	Carmichael	8081A	2092
Dieldrin	ND	ug/kg	0.0210	5	12/24/02	1:32	Carmichael	8081A	2092
Endosulfan I	ND	ug/kg	0.0100	5	12/24/02	1:32	Carmichael	8081A	2092
Endosulfan II	ND	ug/kg	0.0210	5	12/24/02	1:32	Carmichael	8081A	2092
Endosulfan sulfate	ND	ug/kg	0.0210	5	12/24/02	1:32	Carmichael	8081A	2092
Endrin	ND	ug/kg	0.0210	5	12/24/02	1:32	Carmichael	8081A	2092
Endrin aldehyde	ND	ug/kg	0.0210	5	12/24/02	1:32	Carmichael	8081A	2092
Endrin Ketone	ND	ug/kg	0.0210	5	12/24/02	1:32	Carmichael	8081A	2092
Heptachlor	ND	ug/kg	0.0100	5	12/24/02	1:32	Carmichael	8081A	2092
Heptachlor epoxide	ND	ug/kg	0.0100	5	12/24/02	1:32	Carmichael	8081A	2092
Methoxychlor	ND	ug/kg	0.100	5	12/24/02	1:32	Carmichael	8081A	2092
Toxaphene	2.05	ug/kg	0.860	2	12/24/02	1:32	Carmichael	8081A	2092
alpha-Chlordane	0.0690	ug/kg	0.0100	5	12/24/02	1:32	Carmichael	8081A	2092
gamma-Chlordane	0.119	ug/kg	0.0100	5	12/24/02	1:32	Carmichael	8081A	2092
<b>*METALS*</b>									
Arsenic	875	ug/kg	1.20	1	12/26/02	15:28	C. Martin	8010B	4862

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A205837  
 Sample ID: BG15-SC  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Bill Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	76.7	%			12/20/02	14:20	M. Riche	CLP	8800

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
CC Fast	29.9 gm	10.0 ml	12/20/02		M. Gauthier	2850

Surrogate	% Recovery	Target Range
pest surr-TCM	89.	40. - 132.
pest surr-DCM	107.	40. - 140.

**LABORATORY COMMENTS:**

- ND = Not detected at the report limit.
  - B = Analyte was detected in the method blank.
  - E = Estimated Value below Report Limit.
  - S = Estimated Value above the calibration limit of the instrument.
  - Q = Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A199088  
Sample ID: BG16E 0-2  
Sample Type: Soil  
Site ID:

Project: 37778-010-1200  
Project Name: RED PANTHER  
Sampler: SS/MA

Date Collected: 12/ 3/02  
Time Collected: 15:55  
Date Received: 12/ 5/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Aldrin	ND	ug/kg	0.0210	10	12/16/02	13:20	Henderson	8081A	3343
a-BHC	ND	ug/kg	0.0210	10	12/16/02	13:20	Henderson	8081A	3343
b-BHC	ND	ug/kg	0.0210	10	12/16/02	13:20	Henderson	8081A	3343
d-BHC	ND	ug/kg	0.0210	10	12/16/02	13:20	Henderson	8081A	3343
g-BHC, Lindane	ND	ug/kg	0.0210	10	12/16/02	13:20	Henderson	8081A	3343
4,4'-DDD	0.148 P	ug/kg	0.0420	10	12/16/02	13:20	Henderson	8081A	3343
4,4'-DDE	0.0673 P	ug/kg	0.0420	10	12/16/02	13:20	Henderson	8081A	3343
4,4'-DOR	ND	ug/kg	0.0420	10	12/16/02	13:20	Henderson	8081A	3343
Dieldrin	0.0926 P	ug/kg	0.0420	10	12/16/02	13:20	Henderson	8081A	3343
Endosulfan I	ND	ug/kg	0.0210	10	12/16/02	13:20	Henderson	8081A	3343
Endosulfan II	0.193 P	ug/kg	0.0420	10	12/16/02	13:20	Henderson	8081A	3343
Endosulfan sulfate	ND	ug/kg	0.0420	10	12/16/02	13:20	Henderson	8081A	3343
Endrin	ND	ug/kg	0.0420	10	12/16/02	13:20	Henderson	8081A	3343
Endrin aldehyde	ND	ug/kg	0.0420	10	12/16/02	13:20	Henderson	8081A	3343
Endrin Ketone	ND	ug/kg	0.0420	10	12/16/02	13:20	Henderson	8081A	3343
Heptachlor	ND	ug/kg	0.0210	10	12/16/02	13:20	Henderson	8081A	3343
Heptachlor epoxide	ND	ug/kg	0.0210	10	12/16/02	13:20	Henderson	8081A	3343
Methoxychlor	ND	ug/kg	0.210	10	12/16/02	13:20	Henderson	8081A	3343
Toxaphene	3.76	ug/kg	1.05	5	12/16/02	13:20	Henderson	8081A	3343
alpha-Chlordane	0.109 P	ug/kg	0.0210	10	12/16/02	13:20	Henderson	8081A	3343
gamma-Chlordane	0.143	ug/kg	0.0210	10	12/16/02	13:20	Henderson	8081A	3343
<b>*METALS*</b>									
Arsenic	3280	ug/kg	12.4	10	12/ 9/02	13:12	C.Johnson	6010B	8981

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A199088  
 Sample ID: BG16E 0-2  
 Project: 37778-010-1200  
 Page 2

Analyte	Result	Units	Report Limit	Nil Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	79.2	%			12/ 9/02	10:30	K. Keller	CLP	8040

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol.				
OC Pest	29.8 gm	10.0 ml	12/11/02		M. Cauthen	3550

### LABORATORY COMMENTS:

ND - Not detected at the report limit.  
 B - Analyte was detected in the method blank.  
 J - Estimated Value below Report Limit.  
 E - Estimated Value above the calibration limit of the instrument.  
 S - Recovery outside Laboratory historical or method proscribed limits.  
 All reported results for metals or Organic analyses have been corrected for dry weight.  
 Pesticide surrogate diluted below detectable levels due to sample matrix. 4,4'DDD, 4,4'DDE, Endosulfan II and Dieldrin results show >40% difference between channels.

End of Sample Report.



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A199089  
 Sample ID: BG16E 2-6  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1200  
 Project Name: RED PANTHER  
 Sampler: SS/MA

Date Collected: 12/ 3/02  
 Time Collected: 16:05  
 Date Received: 12/ 5/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCPs#/HERBICIDES*</b>									
Fieldrin	ND	mg/kg	0.0045	1	12/14/02	22:23	Henderson	6081A	3343
Toxaphene	ND	mg/kg	0.227	1	12/14/02	22:23	Henderson	6081A	3343
<b>*METALS*</b>									
Arsenic	208.	mg/kg	1.34	1	12/ 9/02	13:12	C.Johnson	6010B	8981
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	73.2	%			12/ 9/02	10:30	K. Keller	CLP	8040

Sample Extraction Data

Parameter	WT/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.9 gm	10.8 ml	12/11/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TCE	97.	48. - 132.
pest surr-DCB	87.	46. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A199089  
Sample ID: BG16E 2-6  
Project: 37778-010-1200  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - Q - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A199090  
 Sample ID: BG16E 6-10  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1200  
 Project Name: RED PANTHER  
 Sampler: SS/MA

Date Collected: 12/ 3/02  
 Time Collected: 16:15  
 Date Received: 12/ 5/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCPs/HERBICIDES*</b>									
Dieldrin	ND	mg/kg	0.0046	1	12/14/02	22:54	Henderson	8081A	3343
Toxaphene	ND	mg/kg	0.232	1	12/14/02	22:54	Henderson	8081A	3343
<b>*METALS*</b>									
Arsenic	28.7	mg/kg	1.34	1	12/ 9/02	13:12	C. Johnson	6010B	8881
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	71.7	%			12/ 9/02	10:30	K. Kellar	CLP	8040

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	29.6 gm	10.0 ml	12/11/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TCH	97.	48. - 132.
pest surr-DCB	88.	46. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A199090  
Sample ID: BG16E 6-10  
Project: 37778-010-1200  
Page 2

### LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

R - Recovery outside laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A199085  
Sample ID: BG16W 0-2  
Sample Type: Soil  
Site ID:

Project: 37778-010-1200  
Project Name: RED PANTHER  
Sampler: SS/MA

Date Collected: 12/ 3/02  
Time Collected: 15:20  
Date Received: 12/ 5/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	ug/kg	0.190	50	12/15/02	4:04	Henderson	8081A	3997
a-BHC	ND	ug/kg	0.190	50	12/15/02	4:04	Henderson	8081A	3997
b-BHC	0.379	ug/kg	0.190	50	12/15/02	4:04	Henderson	8081A	3997
d-BHC	ND	ug/kg	0.190	50	12/15/02	4:04	Henderson	8081A	3997
g-BHC, Lindane	ND	ug/kg	0.190	50	12/15/02	4:04	Henderson	8081A	3997
4,4'-DDD	1.94	P ug/kg	0.379	50	12/15/02	4:04	Henderson	8081A	3997
4,4'-DDR	0.799	P ug/kg	0.379	50	12/15/02	4:04	Henderson	8081A	3997
4,4'-DDT	0.701	P ug/kg	0.379	50	12/15/02	4:04	Henderson	8081A	3997
Dieldrin	1.71	ug/kg	0.379	50	12/15/02	4:04	Henderson	8081A	3997
Endosulfan I	ND	ug/kg	0.190	50	12/15/02	4:04	Henderson	8081A	3997
Endosulfan II	ND	ug/kg	0.379	50	12/15/02	4:04	Henderson	8081A	3997
Endosulfan sulfate	ND	ug/kg	0.379	50	12/15/02	4:04	Henderson	8081A	3997
Endrin	ND	ug/kg	0.379	50	12/15/02	4:04	Henderson	8081A	3997
Endrin aldehyde	1.48	P ug/kg	0.379	50	12/15/02	4:04	Henderson	8081A	3997
Endrin Ketone	ND	ug/kg	0.379	50	12/15/02	4:04	Henderson	8081A	3997
Heptachlor	ND	ug/kg	0.190	50	12/15/02	4:04	Henderson	8081A	3997
Heptachlor epoxide	ND	ug/kg	0.190	50	12/15/02	4:04	Henderson	8081A	3997
Methoxychlor	ND	ug/kg	1.90	50	12/15/02	4:04	Henderson	8081A	3997
Toxaphene	43.6	ug/kg	7.60	20	12/15/02	4:04	Henderson	8081A	3997
alpha-Chlordane	ND	ug/kg	0.190	50	12/15/02	4:04	Henderson	8081A	3997
gamma-Chlordane	ND	ug/kg	0.190	50	12/15/02	4:04	Henderson	8081A	3997
<b>*METALS*</b>									
Arsenic	2260	ug/kg	2.19	1	12/11/02	9:55	C. Martin	6010B	6033

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A199085

Sample ID: BG16W 0-2

Project: 37778-010-1200

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	43.8	%			12/ 9/02	11:30	K. Keller	GLP	8039

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.1 gm	10.0 ml	12/11/02		M. Cauthen	3880

### LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix. 4,4'DDD and endrin aldehyde results show

>40% difference between channels.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A199086  
Sample ID: BG16W 2-6  
Sample Type: Soil  
Site ID:

Project: 37778-010-1200  
Project Name: RED PANTHER  
Sampler: SS/MA

Date Collected: 12/ 3/02  
Time Collected: 15:30  
Date Received: 12/ 5/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Dieldrin	ND	ng/kg	0.0044	1	12/14/02	20:51	Henderson	8081A	3343
Toxaphene	ND	ng/kg	0.219	1	12/14/02	20:51	Henderson	8081A	3343
<b>*METALS*</b>									
Arsenic	372.	ng/kg	1.27	1	12/11/02	9:55	C. Martin	6010B	8033
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	75.8	%			12/ 9/02	11:30	K. Keller	CLP	8039

### Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	28.9 gm	10.0 ml	12/11/02		M. Caubben	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	116.	48. - 132.
pest surr-DCB	90.	46. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A199086  
Sample ID: BG16W 2-6  
Project: 37778-010-1200  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - K - Estimated Value above the calibration limit of the instrument.
  - # - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A199087  
 Sample ID: BG16W 6-10  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1200  
 Project Name: RED PANTHER  
 Sampler: SS/MA

Date Collected: 12/ 3/02  
 Time Collected: 15:40  
 Date Received: 12/ 5/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCPs/HERBICIDES*</b>									
Dieldrin	ND	wg/kg	0.0047	1	12/14/02	21:21	Henderson	8081A	3342
Toxaphene	ND	wg/kg	0.235	1	12/14/02	21:21	Henderson	8081A	3342
<b>*METALS*</b>									
Arsenic	24.5	wg/kg	1.39	1	12/ 9/02	13:12	C. Johnson	6010B	8981
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	70.6	%			12/ 9/02	10:30	K. Kaller	CLP	8040

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/11/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TCDF	102.	48. - 122.
pest surr-DCB	91.	46. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A199087  
Sample ID: BG16W 6-10  
Project: 37778-010-1200  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated value above the calibration limit of the instrument.
  - S - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A205838  
 Sample ID: BG16-SC  
 Sample Type: Soil  
 Site ID:

Project: 37770-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHARLES WAY

Date Collected: 12/12/02  
 Time Collected: 16:00  
 Date Received: 12/14/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyt	Method	Batch
<b>*PESTICIDES/PCB'S/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.100	100	12/24/02	2:02	Carmichael	8081A	2099
a-BHC	ND	mg/kg	0.100	100	12/24/02	2:02	Carmichael	8081A	2099
b-BHC	ND	mg/kg	0.100	100	12/24/02	2:02	Carmichael	8081A	2099
d-BHC	ND	mg/kg	0.100	100	12/24/02	2:02	Carmichael	8081A	2099
g-BHC, Lindane	ND	mg/kg	0.100	100	12/24/02	2:02	Carmichael	8081A	2099
4,4'-DDD	ND	mg/kg	0.377	100	12/24/02	2:02	Carmichael	8081A	2099
4,4'-DDM	ND	mg/kg	0.377	200	12/24/02	2:02	Carmichael	8081A	2099
4,4'-DDT	ND	mg/kg	0.377	100	12/24/02	2:02	Carmichael	8081A	2099
Dieldrin	ND	mg/kg	0.377	100	12/24/02	2:02	Carmichael	8081A	2099
Endosulfan I	ND	mg/kg	0.100	100	12/24/02	2:02	Carmichael	8081A	2099
Endosulfan II	ND	mg/kg	0.377	100	12/24/02	2:02	Carmichael	8081A	2099
Endosulfan sulfate	ND	mg/kg	0.377	100	12/24/02	2:02	Carmichael	8081A	2099
Endrin	ND	mg/kg	0.377	100	12/24/02	2:02	Carmichael	8081A	2099
Endrin aldehyde	ND	mg/kg	0.377	100	12/24/02	2:02	Carmichael	8081A	2099
Endrin Ketone	ND	mg/kg	0.377	100	12/24/02	2:02	Carmichael	8081A	2099
Heptachlor	ND	mg/kg	0.100	100	12/24/02	2:02	Carmichael	8081A	2099
Heptachlor epoxide	ND	mg/kg	0.100	100	12/24/02	2:02	Carmichael	8081A	2099
Methoxychlor	ND	mg/kg	1.00	100	12/24/02	2:02	Carmichael	8081A	2099
TCDFs	27.2	mg/kg	10.0	50	12/24/02	2:02	Carmichael	8081A	2099
alpha-Chlordane	8.78	mg/kg	0.100	100	12/24/02	2:02	Carmichael	8081A	2099
gamma-Chlordane	3.21	mg/kg	0.100	100	12/24/02	2:02	Carmichael	8081A	2099
<b>*METALS*</b>									
Arsenic	1600	mg/kg	1.00	1	12/26/02	15:24	G. Martin	6010B	4862

Sample report continued . . .

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A205838  
 Sample ID: BG16-SC  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHARLES WAY

Date Collected: 12/12/02  
 Time Collected: 16:00  
 Date Received: 12/14/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCB'S/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.188	100	12/24/02	2:02	Carmichael	8081A	2099
a-BHC	ND	mg/kg	0.188	100	12/24/02	2:02	Carmichael	8081A	2099
b-BHC	ND	mg/kg	0.188	100	12/24/02	2:02	Carmichael	8081A	2099
d-BHC	ND	mg/kg	0.188	100	12/24/02	2:02	Carmichael	8081A	2099
g-BHC, Lindane	ND	mg/kg	0.188	100	12/24/02	2:02	Carmichael	8081A	2099
4,4'-DDD	ND	mg/kg	0.377	100	12/24/02	2:02	Carmichael	8081A	2099
4,4'-DDB	ND	mg/kg	0.377	100	12/24/02	2:02	Carmichael	8081A	2099
4,4'-DDT	ND	mg/kg	0.377	100	12/24/02	2:02	Carmichael	8081A	2099
Dieldrin	ND	mg/kg	0.377	100	12/24/02	2:02	Carmichael	8081A	2099
Endosulfan I	ND	mg/kg	0.188	100	12/24/02	2:02	Carmichael	8081A	2099
Endosulfan II	ND	mg/kg	0.377	100	12/24/02	2:02	Carmichael	8081A	2099
Endosulfan sulfate	ND	mg/kg	0.377	100	12/24/02	2:02	Carmichael	8081A	2099
Heptachlor	ND	mg/kg	0.377	100	12/24/02	2:02	Carmichael	8081A	2099
Heptachlor epoxide	ND	mg/kg	0.188	100	12/24/02	2:02	Carmichael	8081A	2099
Methoxychlor	ND	mg/kg	1.88	100	12/24/02	2:02	Carmichael	8081A	2099
Toxaphene	87.3	mg/kg	18.8	80	12/24/02	2:02	Carmichael	8081A	2099
alpha-Chlordane	8.78	mg/kg	0.188	100	12/24/02	2:02	Carmichael	8081A	2099
gamma-Chlordane	3.31	mg/kg	0.188	100	12/24/02	2:02	Carmichael	8081A	2099
<b>*METALS*</b>									
Arsenic	1600	mg/kg	1.00	1	12/28/02	18:38	C. Martin	8010B	4882

Sample report continued . . .

# Test America

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A205838  
 Sample ID: BG16-SC  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Bill Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	88.4	%			12/20/02	14:30	N. Ricks	CLP	5800

-----  
 Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.2 gm	10.0 ml	12/20/02		N. Cauchon	3880

**LABORATORY COMMENTS:**

ND = Not detected at the report limit.  
 B = Analyte was detected in the method blank.  
 S = Estimated Value below Report Limit.  
 E = Estimated Value above the calibration limit of the instrument.  
 O = Recovery outside Laboratory historical or method prescribed limits.  
 All reported results for metals or organic analyses have been corrected for dry weight.  
 Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.

## TEST AMERICA INC

## ANALYTICAL REPORT

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202586

Sample ID: BGL7E 0-2

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 14:15

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCD'S/HERBICIDES*									
Aldrin	ND	mg/kg	0.0107	5	12/19/02	18:28	Carmichael	8081A	9132
a-BHC	ND	mg/kg	0.0107	5	12/19/02	18:28	Carmichael	8081A	9132
b-BHC	ND	mg/kg	0.0107	5	12/19/02	18:28	Carmichael	8081A	9132
d-BHC	ND	mg/kg	0.0107	5	12/19/02	18:28	Carmichael	8081A	9132
g-BHC, Lindane	ND	mg/kg	0.0107	5	12/19/02	18:28	Carmichael	8081A	9132
4,4'-DDD	ND	mg/kg	0.0214	5	12/19/02	18:28	Carmichael	8081A	9132
4,4'-DDE	ND	mg/kg	0.0214	5	12/19/02	18:28	Carmichael	8081A	9132
4,4'-DDT	ND	mg/kg	0.0214	5	12/19/02	18:28	Carmichael	8081A	9132
Dieldrin	ND	mg/kg	0.0214	5	12/19/02	18:28	Carmichael	8081A	9132
Endosulfan I	ND	mg/kg	0.0107	5	12/19/02	18:28	Carmichael	8081A	9132
Endosulfan II	ND	mg/kg	0.0214	5	12/19/02	18:28	Carmichael	8081A	9132
Endosulfan sulfate	ND	mg/kg	0.0214	5	12/19/02	18:28	Carmichael	8081A	9132
Endrin	ND	mg/kg	0.0214	5	12/19/02	18:28	Carmichael	8081A	9132
Endrin aldehyde	ND	mg/kg	0.0214	5	12/19/02	18:28	Carmichael	8081A	9132
Endrin Ketone	ND	mg/kg	0.0214	5	12/19/02	18:28	Carmichael	8081A	9132
Heptachlor	ND	mg/kg	0.0107	5	12/19/02	18:28	Carmichael	8081A	9132
Heptachlor epoxide	ND	mg/kg	0.0107	5	12/19/02	18:28	Carmichael	8081A	9132
Methoxychlor	ND	mg/kg	0.107	5	12/19/02	18:28	Carmichael	8081A	9132
Toxaphene	4.19	mg/kg	0.860	2	12/19/02	18:28	Carmichael	8081A	9132
alpha-Chlordane	0.0839	mg/kg	0.0107	5	12/19/02	18:28	Carmichael	8081A	9132
gamma-Chlordane	0.0860	mg/kg	0.0107	5	12/19/02	18:28	Carmichael	8081A	9132
*METALS*									
Arsenic	4330	mg/kg	1.23	1	12/16/02	12:46	C.Johnson	6010B	2422
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	77.4	%			12/17/02	16:00	K. Keller	GLP	2425

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202586

Sample ID: BG17E O-2

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 14:15

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/18/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	116.	48. - 132.
pest surr-DCB	115.	46. - 140.

LABORATORY COMMENTS:

ND - Not detected at the report limit.  
B - Analyte was detected in the method blank.  
J - Estimated Value below Report Limit.  
E - Estimated Value above the calibration limit of the instrument.  
f - Recovery outside Laboratory historical or method prescribed limits.  
All reported results for metals or Organic analyses have been corrected for dry weight.

## TEST AMERICA INC.

## ANALYTICAL REPORT

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: O2-A202587

Sample ID: BGI7E 2-6

Date Collected: 12/9/02

Project: 37778-010-1400

Time Collected: 14:20

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0045	1	12/19/02	9:15	Carmichael	8081A	9132
Toxaphene	ND	mg/kg	0.450	1	12/19/02	9:15	Carmichael	8081A	9132
*METALS*									
Arsenic	1360	mg/kg	1.30	1	12/16/02	12:46	C. Johnson	6010B	2422
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	74.0	%			12/17/02	16:00	K. Keller	CLP	2425

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.5 gm	10.0 ml	12/18/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TCMX	104.	48. - 132.
pest surr-DCB	92.	46. - 140.



TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD HWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A202587

Sample ID: BGL7E 2-6

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 14:20

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

## TEST AMERICA INC

## ANALYTICAL REPORT

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202588

Sample ID: BGL7E 6-10

Date Collected: 12/9/02

Project: 37778-010-1400

Time Collected: 14:30

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0047	1	12/19/02	9:44	Carmichael	8081A	9132
Toxaphene	ND	mg/kg	0.474	1	12/19/02	9:44	Carmichael	8081A	9132
*METALS*									
Arsenic	217.	mg/kg	1.40	1	12/16/02	12:46	C.Johnson	6010B	2422
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	70.2	%			12/17/02	16:00	K. Keller	CLP	2425

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.4 gm	10.0 ml	12/18/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	102.	48. - 132.
pest surr-DCB	96.	46. - 140.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202588

Sample ID: BG17E 6-10

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 14:30

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - # - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202583

Sample ID: BGL7W 0-2

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 13:45

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Aldrin	ND	mg/kg	0.105	50	12/19/02	17:59	Carmichael	8081A	9132
a-BHC	ND	mg/kg	0.105	50	12/19/02	17:59	Carmichael	8081A	9132
b-BHC	ND	mg/kg	0.105	50	12/19/02	17:59	Carmichael	8081A	9132
d-BHC	ND	mg/kg	0.105	50	12/19/02	17:59	Carmichael	8081A	9132
g-BHC, Lindane	ND	mg/kg	0.105	50	12/19/02	17:59	Carmichael	8081A	9132
4,4'-DDD	ND	mg/kg	0.210	50	12/19/02	17:59	Carmichael	8081A	9132
4,4'-DDE	ND	mg/kg	0.210	50	12/19/02	17:59	Carmichael	8081A	9132
4,4'-DDT	ND	mg/kg	0.210	50	12/19/02	17:59	Carmichael	8081A	9132
Dieldrin	ND	mg/kg	0.210	50	12/19/02	17:59	Carmichael	8081A	9132
Endosulfan I	ND	mg/kg	0.105	50	12/19/02	17:59	Carmichael	8081A	9132
Endosulfan II	ND	mg/kg	0.210	50	12/19/02	17:59	Carmichael	8081A	9132
Endosulfan sulfate	ND	mg/kg	0.210	50	12/19/02	17:59	Carmichael	8081A	9132
Endrin	ND	mg/kg	0.210	50	12/19/02	17:59	Carmichael	8081A	9132
Endrin aldehyde	ND	mg/kg	0.210	50	12/19/02	17:59	Carmichael	8081A	9132
Endrin Ketone	ND	mg/kg	0.210	50	12/19/02	17:59	Carmichael	8081A	9132
Heptachlor	ND	mg/kg	0.105	50	12/19/02	17:59	Carmichael	8081A	9132
Heptachlor epoxide	ND	mg/kg	0.105	50	12/19/02	17:59	Carmichael	8081A	9132
Methoxychlor	ND	mg/kg	1.05	50	12/19/02	17:59	Carmichael	8081A	9132
Toxaphene	11.5	mg/kg	2.10	5	12/19/02	17:59	Carmichael	8081A	9132
alpha-Chlordane	0.736	mg/kg	0.105	50	12/19/02	17:59	Carmichael	8081A	9132
gamma-Chlordane	0.715	mg/kg	0.105	50	12/19/02	17:59	Carmichael	8081A	9132
*METALS*									
Arsenic	4560	mg/kg	1.26	1	12/16/02	12:46	C. Johnson	6010B	2422
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	79.2	%			12/17/02	16:00	K. Keller	CLP	2425

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202583

Sample ID: BGI7N 0-2

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 13:45

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.5 gm	10.0 ml	12/18/02		M. Cauthen	3550

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

## TEST AMERICA INC

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202584

Sample ID: BGL7W 2-6

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 13:50

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0042	1	12/19/02	7:48	Carmichael	8081A	9132
Toxaphene	ND	mg/kg	0.421	1	12/19/02	7:48	Carmichael	8081A	9132
*METALS*									
Arsenic	1350	mg/kg	1.24	1	12/16/02	12:46	C.Johnson	6010B	2422
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	79.1	%			12/17/02	16:00	K. Keller	CLP	2425

## Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	30.0 gm	10.0 ml	12/18/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	100.	48. - 132.
pest surr-DCB	110.	46. - 140.

## TEST AMERICA INC

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202584

Sample ID: BGL7R 2-6

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 13:50

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: SIEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

## TEST AMERICA INC

## ANALYTICAL REPORT

2960 Foster Craighton Drive  
Nashville, Tennessee 37204

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202585

Sample ID: BGL7W 6-10

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 14:05

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Dieldrin	ND	ng/kg	0.0049	1	12/19/02	8:17	Carmichael	8081A	9132
Toxaphene	ND	ng/kg	0.490	1	12/19/02	8:17	Carmichael	8081A	9132
*METALS*									
Arsenic	125.	mg/kg	1.43	1	12/16/02	12:46	C.Johnson	6010B	2422
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	67.9	%			12/17/02	16:00	K. Keller	CLP	2425

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/18/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	102.	48. - 132.
pest surr-DCB	102.	46. - 140.



TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202585

Sample ID: BG178-6-10

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 14:05

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A205839  
 Sample ID: BG17-SC  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHARLES WAY

Date Collected: 12/12/02  
 Time Collected: 16:40  
 Date Received: 12/14/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCBs/HERBICIDES*</b>									
Aldrin	ND	ng/kg	1.10	500	12/24/02	3:04	Carmichael	8081A	2099
a-BHC	ND	ng/kg	1.10	500	12/24/02	3:04	Carmichael	8081A	2099
b-BHC	ND	ng/kg	1.10	500	12/24/02	3:04	Carmichael	8081A	2099
d-BHC	ND	ng/kg	1.10	500	12/24/02	3:04	Carmichael	8081A	2099
g-BHC, Lindane	ND	ng/kg	1.10	500	12/24/02	3:04	Carmichael	8081A	2099
4,4'-DDE	ND	ng/kg	2.19	500	12/24/02	3:04	Carmichael	8081A	2099
4,4'-DDD	ND	ng/kg	2.19	500	12/24/02	3:04	Carmichael	8081A	2099
4,4'-DDT	ND	ng/kg	2.19	500	12/24/02	3:04	Carmichael	8081A	2099
Dieldrin	ND	ng/kg	2.19	500	12/24/02	3:04	Carmichael	8081A	2099
Endosulfan I	ND	ng/kg	1.10	500	12/24/02	3:04	Carmichael	8081A	2099
Endosulfan II	ND	ng/kg	2.19	500	12/24/02	3:04	Carmichael	8081A	2099
Endosulfan sulfate	ND	ng/kg	5.19	500	12/24/02	3:04	Carmichael	8081A	2099
Endrin	ND	ng/kg	2.19	500	12/24/02	3:04	Carmichael	8081A	2099
Endrin aldehyde	ND	ng/kg	2.19	500	12/24/02	3:04	Carmichael	8081A	2099
Endrin ketone	ND	ng/kg	2.19	500	12/24/02	3:04	Carmichael	8081A	2099
Heptachlor	ND	ng/kg	1.10	500	12/24/02	3:04	Carmichael	8081A	2099
Heptachlor epoxide	ND	ng/kg	1.10	500	12/24/02	3:04	Carmichael	8081A	2099
Methoxychlor	ND	ng/kg	11.0	500	12/24/02	3:04	Carmichael	8081A	2099
Toxaphene	520.	ng/kg	219.	500	12/24/02	3:04	Carmichael	8081A	2099
alpha-chlordane	7.48	ng/kg	1.10	500	12/24/02	3:04	Carmichael	8081A	2099
gamma-Chlordane	11.2	ng/kg	1.10	500	12/24/02	3:04	Carmichael	8081A	2099
<b>*METALS*</b>									
Arsenic	4440	ng/kg	12.5	10	12/26/02	15:28	C. Martin	80108	4602

Sample report continued . . .

# Test America

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A205839  
 Sample ID: BG17-SC  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*ORIGINAL CHEMISTRY PARAMETERS*</b>									
* Dry Weight	75.9	%			12/20/02	14:20	M. Ricks	GLP	8400

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Past	29.6 gm	10.0 ml	12/20/02		W. Cauthen	2550

**LABORATORY COMMENTS:**

- ND = Not detected at the report limit.
  - B = Analyte was detected in the method blank.
  - C = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - \* = Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.  
 Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.

## TEST AMERICA INC

## ANALYTICAL REPORT

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202592

Sample ID: BG18E 0-2

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 15:25

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERRICIDES*									
Aldrin	ND	mg/kg	0.0021	1	12/19/02	11:11	Carmichael	8081A	9132
a-BHC	ND	mg/kg	0.0021	1	12/19/02	11:11	Carmichael	8081A	9132
b-BHC	ND	mg/kg	0.0021	1	12/19/02	11:11	Carmichael	8081A	9132
d-BHC	ND	mg/kg	0.0021	1	12/19/02	11:11	Carmichael	8081A	9132
g-BHC, Lindane	ND	mg/kg	0.0021	1	12/19/02	11:11	Carmichael	8081A	9132
4,4'-DDD	ND	mg/kg	0.0040	1	12/19/02	11:11	Carmichael	8081A	9132
4,4'-DDE	ND	mg/kg	0.0040	1	12/19/02	11:11	Carmichael	8081A	9132
4,4'-DDT	ND	mg/kg	0.0040	1	12/19/02	11:11	Carmichael	8081A	9132
Dieldrin	0.0202	mg/kg	0.0040	1	12/19/02	11:11	Carmichael	8081A	9132
Endosulfan I	ND	mg/kg	0.0021	1	12/19/02	11:11	Carmichael	8081A	9132
Endosulfan II	ND	mg/kg	0.0040	1	12/19/02	11:11	Carmichael	8081A	9132
Endosulfan sulfate	ND	mg/kg	0.0040	1	12/19/02	11:11	Carmichael	8081A	9132
Endrin	ND	mg/kg	0.0040	1	12/19/02	11:11	Carmichael	8081A	9132
Endrin aldehyde	ND	mg/kg	0.0040	1	12/19/02	11:11	Carmichael	8081A	9132
Endrin Ketone	ND	mg/kg	0.0040	1	12/19/02	11:11	Carmichael	8081A	9132
Heptachlor	ND	mg/kg	0.0021	1	12/19/02	11:11	Carmichael	8081A	9132
Heptachlor epoxide	ND	mg/kg	0.0021	1	12/19/02	11:11	Carmichael	8081A	9132
Methoxychlor	ND	mg/kg	0.0202	1	12/19/02	11:11	Carmichael	8081A	9132
Toxaphene	1.72	mg/kg	0.406	1	12/19/02	11:11	Carmichael	8081A	9132
alpha-Chlordane	0.0106	mg/kg	0.0021	1	12/19/02	11:11	Carmichael	8081A	9132
gamma-Chlordane	0.0130	mg/kg	0.0021	1	12/19/02	11:11	Carmichael	8081A	9132
*METALS*									
Arsenic	1960	mg/kg	1.23	1	12/16/02	12:46	C. Johnson	6010B	2422
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	82.0	%			12/17/02	16:00	K. Keller	CLP	2425

## TEST AMERICA INC

## ANALYTICAL REPORT

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202592

Sample ID: BGLSE 0-2

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 15:25

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/18/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	93.	48. - 132.
pest surr-DCB	98.	46. - 140.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Craighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A202593

Sample ID: BG18E 2-6

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 15:30

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0044	1	12/19/02	12:38	Carmichael	8081A	9132
Toxaphene	ND	mg/kg	0.441	1	12/19/02	12:38	Carmichael	8081A	9132
*METALS*									
Arsenic	89.0	mg/kg	1.32	1	12/16/02	12:46	C. Johnson	6010B	2422
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	75.5	%			12/17/02	16:00	K. Keller	CLP	2425

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/18/02		M. Caithen	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	98.	48. - 132.
pest surr-DCB	98.	46. - 140.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A202593

Sample ID: BCLSE 2-6

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 15:30

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
 2960 Foster Creighton Drive  
 Nashville, Tennessee 37204

ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
 ERIC JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A202594

Sample ID: BG18E 6-10 Date Collected: 12/ 9/02

Project: 37778-010-1400 Time Collected: 15:40

Project Name: RED PANTHER Date Received: 12/11/02

Sampler: STEVE SUSTEN Time Received: 9:00

State Certification: Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	ND	mg/kg	0.0047	1	12/19/02	13:07	Carmichael	8081A	9132
Toxaphene	ND	mg/kg	0.471	1	12/19/02	13:07	Carmichael	8081A	9132
<b>*METALS*</b>									
Arsenic	42.0	mg/kg	1.34	1	12/16/02	12:46	C. Johnson	6010B	2422
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	70.7	%			12/17/02	16:00	K. Keller	CLP	2425

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/18/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TOMH	102.	48. - 132.
pest surr-DCB	98.	46. - 140.



## TEST AMERICA INC

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202594

Sample ID: BGLSE 6-10

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 15:40

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A202589

Sample ID: BGI8W 0-2

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 14:40

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	D11 Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	mg/kg	0.0021	1	12/19/02	10:13	Carmichael	8081A	9132
a-BHC	ND	mg/kg	0.0021	1	12/19/02	10:13	Carmichael	8081A	9132
b-BHC	ND	mg/kg	0.0021	1	12/19/02	10:13	Carmichael	8081A	9132
d-BHC	ND	mg/kg	0.0021	1	12/19/02	10:13	Carmichael	8081A	9132
g-BHC, Lindane	ND	mg/kg	0.0021	1	12/19/02	10:13	Carmichael	8081A	9132
4,4'-DDD	ND	mg/kg	0.0042	1	12/19/02	10:13	Carmichael	8081A	9132
4,4'-DDE	ND	mg/kg	0.0042	1	12/19/02	10:13	Carmichael	8081A	9132
4,4'-DDT	ND	mg/kg	0.0042	1	12/19/02	10:13	Carmichael	8081A	9132
Dieldrin	0.0253	mg/kg	0.0042	1	12/19/02	10:13	Carmichael	8081A	9132
Endosulfan I	ND	mg/kg	0.0021	1	12/19/02	10:13	Carmichael	8081A	9132
Endosulfan II	ND	mg/kg	0.0042	1	12/19/02	10:13	Carmichael	8081A	9132
Endosulfan sulfate	ND	mg/kg	0.0042	1	12/19/02	10:13	Carmichael	8081A	9132
Endrin	ND	mg/kg	0.0042	1	12/19/02	10:13	Carmichael	8081A	9132
Endrin aldehyde	ND	mg/kg	0.0042	1	12/19/02	10:13	Carmichael	8081A	9132
Endrin Ketone	ND	mg/kg	0.0042	1	12/19/02	10:13	Carmichael	8081A	9132
Heptachlor	ND	mg/kg	0.0021	1	12/19/02	10:13	Carmichael	8081A	9132
Heptachlor epoxide	ND	mg/kg	0.0021	1	12/19/02	10:13	Carmichael	8081A	9132
Methoxychlor	ND	mg/kg	0.0210	1	12/19/02	10:13	Carmichael	8081A	9132
Toxaphene	4.20	mg/kg	0.842	2	12/19/02	10:13	Carmichael	8081A	9132
alpha-Chlordane	0.0123	mg/kg	0.0021	1	12/19/02	10:13	Carmichael	8081A	9132
gamma-Chlordane	0.0161	mg/kg	0.0021	1	12/19/02	10:13	Carmichael	8081A	9132
*METALS*									
Arsenic	3740	mg/kg	1.21	1	12/16/02	12:46	C.Johnson	6010B	2422
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	79.1	%			12/17/02	16:00	K. Keller	CLP	2425

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A202589

Sample ID: BGL8W 0-2

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 14:40

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.3 gm	10.0 ml	12/18/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	92.	48. - 132.
pest surr-DCB	98.	46. - 140.

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

## TEST AMERICA INC

## ANALYTICAL REPORT

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A202590

Sample ID: BG15W 2-6

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 14:45

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0043	1	12/19/02	9:04	Carmichael	8081A	8141
Toxaphene	ND	mg/kg	0.435	1	12/19/02	9:04	Carmichael	8081A	8141
*METALS*									
Arsenic	382.	mg/kg	1.29	1	12/16/02	10:22	C.Johnson	6010B	2423
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	76.5	%			12/17/02	16:00	K. Keller	CLP	2425

## Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	30.5 gm	10.0 ml	12/17/02		M. Ricks	3550

Surrogate	% Recovery	Target Range
pest surr-TOMH	116.	48. - 132.
pest surr-DCB	90.	46. - 140.

## TEST AMERICA INC

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202590

Sample ID: BGL89 2-6

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 14:45

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A202591

Sample ID: BG16W 6-10

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 14:55

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0047	1	12/19/02	10:42	Carmichael	8081A	9132
Toxaphene	ND	mg/kg	0.478	1	12/19/02	10:42	Carmichael	8081A	9132
*METALS*									
Arsenic	17.1	mg/kg	1.38	1	12/16/02	12:46	C.Johnson	6010B	2422
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	69.7	%			12/17/02	16:00	K. Keller	CLP	2425

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.2 gm	10.0 ml	12/18/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TCMX	99.	48. - 132.
pest surr-DCB	108.	46. - 140.

## TEST AMERICA INC

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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDHARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202591

Sample ID: BG18W 6-10

Date Collected: 12/9/02

Project: 37778-010-1400

Time Collected: 14:55

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207199

Sample ID: BGL8-SC

Date Collected: 12/14/02

Project: 37778-010-1400

Time Collected: 9:10

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.434	200	12/30/02	14:55	Carmichael	8081A	5448
a-BHC	ND	mg/kg	0.434	200	12/30/02	14:55	Carmichael	8081A	5448
b-BHC	ND	mg/kg	0.434	200	12/30/02	14:55	Carmichael	8081A	5448
d-BHC	ND	mg/kg	0.434	200	12/30/02	14:55	Carmichael	8081A	5448
g-BHC, Lindane	ND	mg/kg	0.434	200	12/30/02	14:55	Carmichael	8081A	5448
4,4'-DDD	ND	mg/kg	0.867	200	12/30/02	14:55	Carmichael	8081A	5448
4,4'-DDE	ND	mg/kg	0.867	200	12/30/02	14:55	Carmichael	8081A	5448
4,4'-DDT	ND	mg/kg	0.867	200	12/30/02	14:55	Carmichael	8081A	5448
Dieldrin	ND	mg/kg	0.867	200	12/30/02	14:55	Carmichael	8081A	5448
Endosulfan I	ND	mg/kg	0.434	200	12/30/02	14:55	Carmichael	8081A	5448
Endosulfan II	ND	mg/kg	0.867	200	12/30/02	14:55	Carmichael	8081A	5448
Endosulfan sulfate	ND	mg/kg	0.867	200	12/30/02	14:55	Carmichael	8081A	5448
Endrin	ND	mg/kg	0.867	200	12/30/02	14:55	Carmichael	8081A	5448
Endrin aldehyde	ND	mg/kg	0.867	200	12/30/02	14:55	Carmichael	8081A	5448
Endrin Ketone	ND	mg/kg	0.867	200	12/30/02	14:55	Carmichael	8081A	5448
Heptachlor	ND	mg/kg	0.434	200	12/30/02	14:55	Carmichael	8081A	5448
Heptachlor epoxide	ND	mg/kg	0.434	200	12/30/02	14:55	Carmichael	8081A	5448
Methoxychlor	ND	mg/kg	4.34	200	12/30/02	14:55	Carmichael	8081A	5448
Toxaphene	50.8	mg/kg	21.6	50	12/30/02	14:55	Carmichael	8081A	5448
alpha-Chlordane	2.94	mg/kg	0.434	200	12/30/02	14:55	Carmichael	8081A	5448
gamma-Chlordane	3.55	mg/kg	0.434	200	12/30/02	14:55	Carmichael	8081A	5448
<b>*METALS*</b>									
Arsenic	1780	mg/kg	1.25	1	12/31/02	13:08	C. Martin	6010B	7686
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	76.8	%			12/23/02	15:30	K. Keller	CLP	7718



TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A207199

Sample ID: BG18-SC

Date Collected: 12/14/02

Project: 3778-010-1400

Time Collected: 9:10

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/27/02		M. Cauthen	3550

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS - 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202598

Sample ID: BG19E 0-2

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 11:15

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Aldrin	ND	mg/kg	0.0021	1	12/19/02	9:34	Carmichael	8081A	8141
a-BHC	ND	mg/kg	0.0021	1	12/19/02	9:34	Carmichael	8081A	8141
b-BHC	ND	mg/kg	0.0021	1	12/19/02	9:34	Carmichael	8081A	8141
d-BHC	ND	mg/kg	0.0021	1	12/19/02	9:34	Carmichael	8081A	8141
g-BHC, Lindane	ND	mg/kg	0.0021	1	12/19/02	9:34	Carmichael	8081A	8141
4,4'-DDD	0.0088	mg/kg	0.0042	1	12/19/02	9:34	Carmichael	8081A	8141
4,4'-DDE	ND	mg/kg	0.0042	1	12/19/02	9:34	Carmichael	8081A	8141
4,4'-DDT	0.0130	mg/kg	0.0042	1	12/19/02	9:34	Carmichael	8081A	8141
Dieldrin	ND	mg/kg	0.0042	1	12/19/02	9:34	Carmichael	8081A	8141
Endosulfan I	ND	mg/kg	0.0021	1	12/19/02	9:34	Carmichael	8081A	8141
Endosulfan II	ND	mg/kg	0.0042	1	12/19/02	9:34	Carmichael	8081A	8141
Endosulfan sulfate	ND	mg/kg	0.0042	1	12/19/02	9:34	Carmichael	8081A	8141
Endrin	ND	mg/kg	0.0042	1	12/19/02	9:34	Carmichael	8081A	8141
Endrin aldehyde	ND	mg/kg	0.0042	1	12/19/02	9:34	Carmichael	8081A	8141
Endrin Ketone	ND	mg/kg	0.0042	1	12/19/02	9:34	Carmichael	8081A	8141
Heptachlor	ND	mg/kg	0.0021	1	12/19/02	9:34	Carmichael	8081A	8141
Heptachlor epoxide	ND	mg/kg	0.0021	1	12/19/02	9:34	Carmichael	8081A	8141
Methoxychlor	ND	mg/kg	0.0210	1	12/19/02	9:34	Carmichael	8081A	8141
Toxaphene	4.07	mg/kg	0.841	2	12/19/02	9:34	Carmichael	8081A	8141
alpha-Chlordane	0.0059	mg/kg	0.0021	1	12/19/02	9:34	Carmichael	8081A	8141
gamma-Chlordane	0.0063	mg/kg	0.0021	1	12/19/02	9:34	Carmichael	8081A	8141
*METALS*									
Arsenic	2450	mg/kg	1.24	1	12/16/02	10:22	C. Johnson	6010B	2423
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	79.2	%			12/16/02	16:00	K. Keller	CLP	2427

## TEST AMERICA INC

## ANALYTICAL REPORT

2960 Foster Craighton Drive  
Nashville, Tennessee 37204

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD HWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202598

Sample ID: EG19E 0-2

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 11:15

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSIEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.1 gm	10.0 ml	12/17/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMK	108.	48. - 132.
pest surr-DCB	93.	46. - 140.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide DDE results were >40% different between analytical columns.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD HWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A202599

Sample ID: BG19E 2-6

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 11:20

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0041	1	12/19/02	10:03	Carmichael	8081A	8141
Toxaphene	ND	mg/kg	0.415	1	12/19/02	10:03	Carmichael	8081A	8141
*METALS*									
Arsenic	585.	mg/kg	1.25	1	12/16/02	10:22	C.Johnson	6010B	2423
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	80.3	%			12/16/02	16:00	K. Keller	CLP	2427

## Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	30.4 gm	10.0 ml	12/17/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	109.	48. - 132.
pest surr-DCB	91.	46. - 140.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693  
ERENT JACOBS  
5900 WINDWARD HWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-4202599

Sample ID: BC19E 2-6

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 11:20

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - f - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202600

Sample ID: EG19E 6-10

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 11:30

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0046	1	12/19/02	10:33	Carmichael	8081A	8141
Toxaphene	ND	mg/kg	0.468	1	12/19/02	10:33	Carmichael	8081A	8141
*METALS*									
Arsenic	54.6	mg/kg	1.35	1	12/16/02	10:22	C.Johnson	6010B	2423
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	71.2	%			12/16/02	16:00	K. Keller	CLP	2427

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/17/02		M. Ricks	3550

Surrogate	% Recovery	Target Range
pest surr-TCMX	118.	48. - 132.
pest surr-DCB	96.	46. - 140.

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2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202600

Sample ID: BGL9E 6-10

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 11:30

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

/ - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

## TEST AMERICA INC

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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDHARD PKWY, STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202595

Sample ID: BG19F 0-2

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 16:10

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	mg/kg	0.0021	1	12/19/02	13:36	Carmichael	8081A	9132
a-BHC	ND	mg/kg	0.0021	1	12/19/02	13:36	Carmichael	8081A	9132
b-BHC	ND	mg/kg	0.0021	1	12/19/02	13:36	Carmichael	8081A	9132
d-BHC	ND	mg/kg	0.0021	1	12/19/02	13:36	Carmichael	8081A	9132
g-BHC, Lindane	ND	mg/kg	0.0021	1	12/19/02	13:36	Carmichael	8081A	9132
4,4'-DDD	0.0216	mg/kg	0.0041	1	12/19/02	13:36	Carmichael	8081A	9132
4,4'-DDE	ND	mg/kg	0.0041	1	12/19/02	13:36	Carmichael	8081A	9132
4,4'-DDT	ND	mg/kg	0.0041	1	12/19/02	13:36	Carmichael	8081A	9132
Dieldrin	ND	mg/kg	0.0041	1	12/19/02	13:36	Carmichael	8081A	9132
Endosulfan I	ND	mg/kg	0.0021	1	12/19/02	13:36	Carmichael	8081A	9132
Endosulfan II	ND	mg/kg	0.0041	1	12/19/02	13:36	Carmichael	8081A	9132
Endosulfan sulfate	ND	mg/kg	0.0041	1	12/19/02	13:36	Carmichael	8081A	9132
Endrin	ND	mg/kg	0.0041	1	12/19/02	13:36	Carmichael	8081A	9132
Endrin aldehyde	ND	mg/kg	0.0041	1	12/19/02	13:36	Carmichael	8081A	9132
Endrin Ketone	ND	mg/kg	0.0041	1	12/19/02	13:36	Carmichael	8081A	9132
Heptachlor	ND	mg/kg	0.0021	1	12/19/02	13:36	Carmichael	8081A	9132
Heptachlor epoxide	ND	mg/kg	0.0021	1	12/19/02	13:36	Carmichael	8081A	9132
Methoxychlor	ND	mg/kg	0.0207	1	12/19/02	13:36	Carmichael	8081A	9132
Toxaphene	1.73	mg/kg	0.415	1	12/19/02	13:36	Carmichael	8081A	9132
alpha-Chlordane	0.0034	mg/kg	0.0021	1	12/19/02	13:36	Carmichael	8081A	9132
gamma-Chlordane	0.0054	mg/kg	0.0021	1	12/19/02	13:36	Carmichael	8081A	9132
*METALS*									
Arsenic	1800	ng/kg	1.20	1	12/16/02	12:46	C.Johnson	601CB	2422
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	80.2	%			12/17/02	16:00	K. Keller	CLP	2425



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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-4202595

Sample ID: BG19W 0-2

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 16:10

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/18/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TQM	118.	48. - 132.
pest surr-DCB	118.	46. - 140.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDHARD HWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A202596

Sample ID: BG19W 2-6

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 16:20

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0043	1	12/19/02	14:05	Carmichael	8081A	9132
Toxaphene	ND	mg/kg	0.438	1	12/19/02	14:05	Carmichael	8081A	9132
*METALS*									
Arsenic	88.7	mg/kg	1.31	1	12/16/02	12:46	C. Johnson	6010B	2422
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	76.1	%			12/17/02	16:00	K. Keller	CLP	2425

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.4 gm	10.0 ml	12/18/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TCMX	94.	48. - 132.
pest surr-DCB	104.	46. - 140.

## TEST AMERICA INC

## ANALYTICAL REPORT

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A202596

Sample ID: BG19H 2-6

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 16:20

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

/ - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202597

Sample ID: BG19W 6-10

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 16:30

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0046	1	12/19/02	14:34	Carmichael	8081A	9132
Toxaphene	ND	mg/kg	0.461	1	12/19/02	14:34	Carmichael	8081A	9132
*METALS*									
Arsenic	20.3	mg/kg	1.34	1	12/16/02	12:46	C.Johnson	6010B	2422
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	72.3	%			12/16/02	16:00	K. Keller	CLP	2427

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.6 gm	10.0 ml	12/18/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	100.	48. - 132.
pest surr-DCB	102.	46. - 140.

## TEST AMERICA INC

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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A202597

Sample ID: BG19W 6-10

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 16:30

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

/ - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207200

Sample ID: BG19-SC

Date Collected: 12/14/02

Project: 37778-010-1400

Time Collected: 9:45

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	mg/kg	0.0431	20	12/31/02	15:17	Carmichael	8081A	5448
a-BHC	ND	mg/kg	0.0431	20	12/31/02	15:17	Carmichael	8081A	5448
b-BHC	ND	mg/kg	0.0431	20	12/31/02	15:17	Carmichael	8081A	5448
d-BHC	ND	mg/kg	0.0431	20	12/31/02	15:17	Carmichael	8081A	5448
g-BHC, Lindane	ND	mg/kg	0.0431	20	12/31/02	15:17	Carmichael	8081A	5448
4,4'-DDD	0.146	mg/kg	0.0863	20	12/31/02	15:17	Carmichael	8081A	5448
4,4'-DDE	0.311	mg/kg	0.0863	20	12/31/02	15:17	Carmichael	8081A	5448
4,4'-DDT	ND	mg/kg	0.0863	20	12/31/02	15:17	Carmichael	8081A	5448
Dieldrin	0.759	mg/kg	0.0863	20	12/31/02	15:17	Carmichael	8081A	5448
Endosulfan I	ND	mg/kg	0.0431	20	12/31/02	15:17	Carmichael	8081A	5448
Endosulfan II	ND	mg/kg	0.0863	20	12/31/02	15:17	Carmichael	8081A	5448
Endosulfan sulfate	ND	mg/kg	0.0863	20	12/31/02	15:17	Carmichael	8081A	5448
Endrin	ND	mg/kg	0.0863	20	12/31/02	15:17	Carmichael	8081A	5448
Endrin aldehyde	ND	mg/kg	0.0863	20	12/31/02	15:17	Carmichael	8081A	5448
Endrin Ketone	ND	mg/kg	0.0863	20	12/31/02	15:17	Carmichael	8081A	5448
Heptachlor	ND	mg/kg	0.0431	20	12/31/02	15:17	Carmichael	8081A	5448
Heptachlor epoxide	ND	mg/kg	0.0431	20	12/31/02	15:17	Carmichael	8081A	5448
Methoxychlor	ND	mg/kg	0.431	20	12/31/02	15:17	Carmichael	8081A	5448
Toxaphene	22.2	mg/kg	21.5	50	12/31/02	15:17	Carmichael	8081A	5448
alpha-Chlordane	0.285	mg/kg	0.0431	20	12/31/02	15:17	Carmichael	8081A	5448
gamma-Chlordane	0.302	mg/kg	0.0431	20	12/31/02	15:17	Carmichael	8081A	5448
*METALS*									
Arsenic	777.	mg/kg	1.23	1	12/31/02	13:08	C. Martin	6010B	7686
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	77.2	%			12/23/02	15:30	K. Keller	CLP	7718

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Nashville, Tennessee 37204

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207200

Sample ID: BC19-SC

Date Collected: 12/14/02

Project: 37778-010-1400

Time Collected: 9:45

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES HAY

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.5 gm	10.0 ml	12/27/02		M. Cauthen	3550

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

## TEST AMERICA INC

## ANALYTICAL REPORT

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202604

Sample ID: BG20E 0-2

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 9:20

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.1 gm	10.0 ml	12/17/02		M. Ricke	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.



TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDHARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A202605

Sample ID: BG20E 2-6

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 9:25

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0043	1	12/19/02	14:01	Carmichael	8081A	8141
Toxaphene	ND	mg/kg	0.430	1	12/19/02	14:01	Carmichael	8081A	8141
*METALS*									
Arsenic	220.	mg/kg	1.25	1	12/16/02	10:22	C.Johnson	6010B	2423
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	77.4	%			12/16/02	16:00	K. Keller	CLP	2427

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.4 gm	10.0 ml	12/17/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	105.	48. - 132.
pest surr-DCB	92.	46. - 140.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

ANALYTICAL REPORT

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URS 2693  
ERENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202605

Sample ID: BG20E 2-6

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 9:25

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - f - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDHARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202606

Sample ID: BG20E 6-10

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 9:30

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	ND	ng/kg	0.0047	1	12/19/02	14:31	Carmichael	8081A	8141
Toxaphene	ND	ng/kg	0.474	1	12/19/02	14:31	Carmichael	8081A	8141
*METALS*									
Arsenic	13.5	mg/kg	1.41	1	12/16/02	10:22	C.Johnson	6010B	2423
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	70.3	X			12/16/02	16:00	K. Keller	CLP	2427

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/17/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMH	103.	48. - 132.
pest surr-DCB	92.	46. - 140.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD HWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202606

Sample ID: BG20E 6-10

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 9:30

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analytes have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202601

Sample ID: BG209 0-2

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 8:47

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.0021	1	12/19/02	11:03	Carmichael	8081A	8141
a-BHC	ND	mg/kg	0.0021	1	12/19/02	11:03	Carmichael	8081A	8141
b-BHC	ND	mg/kg	0.0021	1	12/19/02	11:03	Carmichael	8081A	8141
d-BHC	ND	mg/kg	0.0021	1	12/19/02	11:03	Carmichael	8081A	8141
g-BHC, Lindane	ND	mg/kg	0.0021	1	12/19/02	11:03	Carmichael	8081A	8141
4,4'-DDD	ND	mg/kg	0.0041	1	12/19/02	11:03	Carmichael	8081A	8141
4,4'-DDE	0.0049	mg/kg	0.0041	1	12/19/02	11:03	Carmichael	8081A	8141
4,4'-DDT	ND	mg/kg	0.0041	1	12/19/02	11:03	Carmichael	8081A	8141
Dieldrin	0.0078	mg/kg	0.0041	1	12/19/02	11:03	Carmichael	8081A	8141
Endosulfan I	ND	mg/kg	0.0021	1	12/19/02	11:03	Carmichael	8081A	8141
Endosulfan II	ND	mg/kg	0.0041	1	12/19/02	11:03	Carmichael	8081A	8141
Endosulfan sulfate	ND	mg/kg	0.0041	1	12/19/02	11:03	Carmichael	8081A	8141
Endrin	ND	mg/kg	0.0041	1	12/19/02	11:03	Carmichael	8081A	8141
Endrin aldehyde	ND	mg/kg	0.0041	1	12/19/02	11:03	Carmichael	8081A	8141
Endrin Ketone	ND	mg/kg	0.0041	1	12/19/02	11:03	Carmichael	8081A	8141
Heptachlor	ND	mg/kg	0.0021	1	12/19/02	11:03	Carmichael	8081A	8141
Heptachlor epoxide	ND	mg/kg	0.0021	1	12/19/02	11:03	Carmichael	8081A	8141
Methoxychlor	ND	mg/kg	0.0205	1	12/19/02	11:03	Carmichael	8081A	8141
Toxaphene	1.23	mg/kg	0.412	1	12/19/02	11:03	Carmichael	8081A	8141
alpha-Chlordane	0.0078	mg/kg	0.0021	1	12/19/02	11:03	Carmichael	8081A	8141
gamma-Chlordane	0.0103	mg/kg	0.0021	1	12/19/02	11:03	Carmichael	8081A	8141
<b>*METALS*</b>									
Arsenic	3450	mg/kg	1.21	1	12/16/02	10:22	C.Johnson	6010B	2423
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	80.9	%			12/16/02	16:00	K. Keller	CLP	2427

## TEST AMERICA INC

## ANALYTICAL REPORT

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDHARD HWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202601

Sample ID: BG20W 0-2

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 8:47

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/17/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	115.	48. - 132.
pest surr-DCB	95.	46. - 140.

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide DDE results were >40% different between analytical columns.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 HINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A202602

Sample ID: BG20W 2-6

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 8:55

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	ND	fg/kg	0.0041	1	12/19/02	12:32	Carmichael	8081A	8141
Toxaphene	ND	mg/kg	0.415	1	12/19/02	12:32	Carmichael	8081A	8141
*METALS*									
Arsenic	24.9	mg/kg	1.18	1	12/16/02	10:22	C.Johnson	6010B	2423
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	80.3	%			12/16/02	16:00	K. Keller	CLP	2427

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/17/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	107.	48. - 132.
pest surr-DCB	98.	46. - 140.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A202602

Sample ID: BG20W 2-6

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 8:55

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

/ - Recovery outside laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.



TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 HINDSHARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A202603

Sample ID: BG20W 6-10

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 9:05

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0047	1	12/19/02	13:01	Carmichael	8081A	8141
Toxaphene	ND	mg/kg	0.475	1	12/19/02	13:01	Carmichael	8081A	8141
*METALS*									
Arsenic	4.35	mg/kg	1.36	1	12/16/02	10:22	C.Johnson	6010B	2423
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	70.1	%			12/16/02	16:00	K. Keller	GLP	2427

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.4 gm	10.0 ml	12/17/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TMX	102.	48. - 132.
pest surr-DCB	100.	46. - 140.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
ERENT JACOBS  
5900 WINDHARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202603

Sample ID: BG20R 6-10

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 9:05

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

/ - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202604

Sample ID: BG20E 0-2

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 9:20

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSIEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	mg/kg	0.0208	10	12/22/02	3:33	Carmichael	8081A	8141
a-BHC	ND	mg/kg	0.0208	10	12/22/02	3:33	Carmichael	8081A	8141
b-BHC	0.0793	mg/kg	0.0208	10	12/22/02	3:33	Carmichael	8081A	8141
d-BHC	ND	mg/kg	0.0208	10	12/22/02	3:33	Carmichael	8081A	8141
g-BHC, Lindane	ND	mg/kg	0.0208	10	12/22/02	3:33	Carmichael	8081A	8141
4,4'-DDD	0.201	mg/kg	0.0417	10	12/22/02	3:33	Carmichael	8081A	8141
4,4'-DDE	0.371	mg/kg	0.0417	10	12/22/02	3:33	Carmichael	8081A	8141
4,4'-DDT	1.73	mg/kg	0.208	50	12/22/02	3:33	Carmichael	8081A	8141
Dieldrin	1.73	mg/kg	0.208	50	12/22/02	3:33	Carmichael	8081A	8141
Endosulfan I	ND	mg/kg	0.0208	10	12/22/02	3:33	Carmichael	8081A	8141
Endosulfan II	ND	mg/kg	0.0417	10	12/22/02	3:33	Carmichael	8081A	8141
Endosulfan sulfate	ND	mg/kg	0.0417	10	12/22/02	3:33	Carmichael	8081A	8141
Endrin	0.138	mg/kg	0.0417	10	12/22/02	3:33	Carmichael	8081A	8141
Endrin aldehyde	ND	mg/kg	0.0417	10	12/22/02	3:33	Carmichael	8081A	8141
Endrin Ketone	0.129	mg/kg	0.0417	10	12/22/02	3:33	Carmichael	8081A	8141
Heptachlor	ND	mg/kg	0.0208	10	12/22/02	3:33	Carmichael	8081A	8141
Heptachlor epoxide	ND	mg/kg	0.0208	10	12/22/02	3:33	Carmichael	8081A	8141
Methoxychlor	ND	mg/kg	0.208	10	12/22/02	3:33	Carmichael	8081A	8141
Toxaphene	12.0	mg/kg	4.17	10	12/22/02	3:33	Carmichael	8081A	8141
alpha-Chlordane	ND	mg/kg	0.0208	10	12/22/02	3:33	Carmichael	8081A	8141
gamma-Chlordane	ND	mg/kg	0.0208	10	12/22/02	3:33	Carmichael	8081A	8141
*METALS*									
Arsenic	786.	mg/kg	1.20	1	12/16/02	10:22	C.Johnson	6010B	2423
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	79.8	%			12/16/02	16:00	K. Keller	CLP	2427

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207201

Sample ID: BG20-8C Date Collected: 12/14/02

Project: 37778-010-1400 Time Collected: 10:30

Project Name: RED PANTHER Date Received: 12/17/02

Sampler: CHARLES WAY Time Received: 9:00

State Certification: Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.0394	20	12/30/02	15:53	Carmichael	8081A	5448
a-BHC	ND	mg/kg	0.0394	20	12/30/02	15:53	Carmichael	8081A	5448
b-BHC	ND	mg/kg	0.0394	20	12/30/02	15:53	Carmichael	8081A	5448
d-BHC	ND	mg/kg	0.0394	20	12/30/02	15:53	Carmichael	8081A	5448
g-BHC, Lindane	ND	mg/kg	0.0394	20	12/30/02	15:53	Carmichael	8081A	5448
4,4'-DDD	ND	mg/kg	0.0787	20	12/30/02	15:53	Carmichael	8081A	5448
4,4'-DDE	0.243	mg/kg	0.0787	20	12/30/02	15:53	Carmichael	8081A	5448
4,4'-DDT	0.267	mg/kg	0.0787	20	12/30/02	15:53	Carmichael	8081A	5448
Dieldrin	0.267	mg/kg	0.0787	20	12/30/02	15:53	Carmichael	8081A	5448
Endosulfan I	ND	mg/kg	0.0394	20	12/30/02	15:53	Carmichael	8081A	5448
Endosulfan II	ND	mg/kg	0.0787	20	12/30/02	15:53	Carmichael	8081A	5448
Endosulfan sulfate	ND	mg/kg	0.0787	20	12/30/02	15:53	Carmichael	8081A	5448
Endrin	ND	mg/kg	0.0787	20	12/30/02	15:53	Carmichael	8081A	5448
Endrin aldehyde	ND	mg/kg	0.0787	20	12/30/02	15:53	Carmichael	8081A	5448
Endrin ketone	ND	mg/kg	0.0787	20	12/30/02	15:53	Carmichael	8081A	5448
Heptachlor	ND	mg/kg	0.0394	20	12/30/02	15:53	Carmichael	8081A	5448
Heptachlor epoxide	ND	mg/kg	0.0394	20	12/30/02	15:53	Carmichael	8081A	5448
Methoxychlor	ND	mg/kg	0.394	20	12/30/02	15:53	Carmichael	8081A	5448
Toxaphene	13.1	mg/kg	3.94	10	12/30/02	15:53	Carmichael	8081A	5448
alpha-Chlordane	0.606	mg/kg	0.0394	20	12/30/02	15:53	Carmichael	8081A	5448
gamma-Chlordane	0.716	mg/kg	0.0394	20	12/30/02	15:53	Carmichael	8081A	5448
<b>*METALS*</b>									
Arsenic	833.	mg/kg	1.17	1	12/31/02	13:08	C. Martin	6010B	7686
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	84.6	%			12/23/02	15:30	K. Keller	CLP	7718

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A207201

Sample ID: BG20-SC

Date Collected: 12/14/02

Project: 37778-010-1400

Time Collected: 10:30

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.7 gm	10.0 ml	12/27/02		M. Cauthen	3550

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to

sample matrix. 4,4'-DDT result shows >40% difference

between channels.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

DRS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6684  
Sample ID: BG1-S1  
Sample Type: Soil  
Site ID:

Date Collected: 12/16/02  
Time Collected: 16:38  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	DIJ Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	702.	mg/kg	0.97	1	1/24/03	11:06	C. Martin	66108	7888
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	73.2	%			1/27/03	14:30	K. Keller	CLP	7842

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - C = Estimated value below Report Limit.
  - E = Estimated value above the calibration limit of the instrument.
  - R = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6682  
Sample ID: BGI-S2  
Sample Type: Soil  
Site ID:

Date Collected: 12/16/02  
Time Collected: 16:30  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	2110	mg/kg	0.99	1	1/24/03	11:05	C. Warbin	60109	7542
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	79.0	%			1/22/03	14:30	X. Keller	CLP	7542

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - J = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - § = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6683  
Sample ID: BGI-53  
Sample Type: Soil  
Site ID:

Date Collected: 12/16/02  
Time Collected: 16:34  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Bill Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	773.	ug/kg	0.89	1	1/24/03	11:06	C. Martin	60108	7585
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	73.1	%			1/21/03	14:00	H. Kallier	CLP	7542

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - J = Estimated value below Report Limit.
  - E = Estimated value above the calibration limit of the instrument.
  - § = Recovery outside laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6685  
Sample ID: B01-S4  
Sample Type: Soil  
Site ID:

Date Collected: 12/16/02  
Time Collected: 16:45  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	1500	mg/kg	0.99	1	1/24/03	11:06	C. Martin	60103	7885
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	72.4	%			1/21/03	14:30	K. Keller	CLP	7842

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection.
  - B = Analyte was detected in the method blank.
  - U = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - # = Necessary outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6686  
Sample ID: BG1-65  
Sample Type: Soil  
Site ID:

Date Collected: 12/16/02  
Time Collected: 16:52  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	992.	ug/kg	0.57	1	1/24/03	11:06	C. Martin	60103	7888
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
† Dry Weight	78.6	g			1/21/03	14:30	K. Keller	GLP	7843

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - ± = Analyte was detected in the method blank.
  - ✓ = Estimated value below Report Limit.
  - ✗ = Estimated value above the calibration limit of the instrument.
  - ⊖ = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6701  
Sample ID: BG2-S1  
Sample Type: Soil  
Site ID:

Date Collected: 12/14/02  
Time Collected: 12:10  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	120.	mg/kg	0.57	1	1/24/03	11:06	C. Martin	60108	7888
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
† Dry Weight	88.3	†			1/21/03	14:00	K. Keller	CLP	7882

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - S = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - U = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6704  
Sample ID: BG2-S2  
Sample Type: Soil  
Site ID:

Date Collected: 12/14/02  
Time Collected: 12:24  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*METALS*									
Arsenic	3530	mg/kg	0.99	1	1/24/03	12:30	C. Martin	60123	7562
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	74.5	%			1/21/03	14:00	K. Kaller	CLP	7562

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - J = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - S = Recovery outside laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 02-A6705  
Sample ID: BG2-S3  
Sample Type: Soil  
Site ID:

Date Collected: 12/14/02  
Time Collected: 12:26  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	1080	mg/kg	0.99	1	1/24/03	12:50	G. Martin	60105	7880
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	75.3	%			1/21/03	14:00	K. Kallen	CLP	7882

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - L = Estimated Value below Report Limit.
  - E = Estimated value above the calibration limit of the instrument.
  - # = Recovery outside Laboratory Historical or method prescribed limits.
- All results reported on a wet weight basis.

End of sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6702  
Sample ID: BG2-84  
Sample Type: Soil  
Site ID:

Date Collected: 12/14/02  
Time Collected: 12:16  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	499.	ng/kg	5.00	1	1/24/03	12:00	C. Martin	6010B	7800
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
† Dry Weight	80.0	%			1/21/03	14:00	K. Kaller	CLP	7802

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - S = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - R = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of sample report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6703  
Sample ID: BG2-S5  
Sample Type: Soil  
Site ID:

Date Collected: 12/14/02  
Time Collected: 12:20  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*METALS*									
Arsenic	1160	ug/kg	0.89	1	1/24/03	12:20	C. Martin	60105	7588
*GENERAL CHEMISTRY PARAMETERS*									
† Dry Weight	75.8	†			1/21/03	14:00	K. Kallier	CLP	7582

**LABORATORY COMMENTS:**

- ND - Not detected at the limit of detection
  - B - Analyte was detected in the method blank.
  - E - Estimated value below Report Limit.
  - A - Estimated value above the calibration limit of the instrument.
  - † - Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6706  
Sample ID: BG3-S1  
Sample Type: Soil  
Site ID:

Date Collected: 12/14/02  
Time Collected: 12:44  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	018.	mg/kg	1.00	1	1/24/03	13:30	C. Martin	60103	7500
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
† Dry Weight	82.8	%			1/21/03	14:00	K. Keller	CLP	7521

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - C = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - \* = Recovery outside laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.



# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6707  
Sample ID: BG3-S2  
Sample Type: Soil  
Site ID:

Date Collected: 12/14/02  
Time Collected: 12:48  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	1200	mg/kg	0.99	1	1/24/03	12:30	C. Martin	60105	7888
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
* Dry Weight	77.9	%			1/21/03	14:00	K. Keller	GLP	7883

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection.
  - B = Analyte was detected in the method blank.
  - J = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - \* = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6710  
Sample ID: BG3-S3  
Sample Type: Soil  
Site ID:

Date Collected: 12/14/02  
Time Collected: 12:58  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	1400	mg/kg	0.98	1	1/24/03	12:00	C. Martin	60103	7808
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	78.5	%			1/21/03	14:00	K. Keller	CLP	7802

**LABORATORY COMMENTS:**

- ND - Not detected at the limit of detection
  - B - Analyte was detected in the method blank.
  - C - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - \* - Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6708

Sample ID: BG3-B4

Sample Type: Soil

Site ID:

Project: 37778-010-1400

Project Name: RED PANTHER

Sampler: CHARLES WAY

Date Collected: 12/14/02

Time Collected: 12:52

Date Received: 12/17/02

Time Received: 9:00

Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	821.	mg/kg	1.00	1	1/24/03	13:50	C. Martin	6016B	7588
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	79.1	%			1/22/03	14:00	K. Keller	CLP	7592

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection.
  - B = Analyte was detected in the method blank.
  - J = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - @ = Recovery outside laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6709

Sample ID: BG3-95

Sample Type: Soil

Site ID:

Date Collected: 12/14/02

Time Collected: 12:55

Date Received: 12/17/02

Time Received: 9:00

Page: 1

Analyte	Result	Units	Report Limit	DIL Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	1270	mg/kg	0.97	1	1/24/03	12:00	C. Martin	60103	7502
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
† Dry Weight	93.8	%			1/31/03	14:00	K. Keller	CL3	7502

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - Q = Estimated value below Report Limit.
  - E = Estimated value above the calibration limit of the instrument.
  - † = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6691  
Sample ID: BQ4-S1  
Sample Type: Soil  
Site ID:

Date Collected: 12/17/02  
Time Collected: 9:16  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	380.	mg/kg	1.00	1	1/24/03	11:06	C. Martin	80108	7588
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	76.7	%			1/21/03	14:20	K. Keller	GLP	7543

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - J = Estimated Value below Report Limit.
  - X = Estimated Value above the calibration limit of the instrument.
  - @ = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6687  
Sample ID: BG4-S2  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/17/02  
Time Collected: 8:55  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	1310	mg/kg	0.99	1	1/24/03	11:06	G. Martin	60208	7883
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	73.7	%			1/21/03	14:30	K. Keller	CLP	7862

**LABORATORY COMMENTS:**

- ND - Not detected at the limit of detection
  - B - Analyte was detected in the method blank.
  - C - Estimated Value below Report Limit.
  - S - Estimated Value above the calibration limit of the instrument.
  - R - Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6688  
Sample ID: BG4-S3  
Sample Type: Soil  
Site ID:

Date Collected: 12/17/02  
Time Collected: 9:00  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	196.	mg/kg	0.50	1	1/24/03	11:06	C. Martin	6010B	7842
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	78.3	%			1/21/03	14:30	K. Keller	CLP	7842

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection.
- B = Analyte was detected in the method blank.
- J = Estimated value below Report Limit.
- E = Estimated value above the calibration limit of the instrument.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6689  
Sample ID: BG4-S4  
Sample Type: Soil  
Site ID:

Date Collected: 12/17/02  
Time Collected: 9:10  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	737.	mg/kg	0.97	1	1/24/03	11:06	C. Martin	6010N	7548
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
† Dry Weight	75.2	%			1/21/03	14:30	K. Keller	CLP	7548

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - F = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - S = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6690  
Sample ID: B64-S5  
Sample Type: Soil  
Site ID:

Date Collected: 12/17/02  
Time Collected: 9:13  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	882.	mg/kg	0.98	1	1/24/03	11:06	G. Martin	60105	7843
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
† Dry Weight	76.2	g			1/21/03	14:00	E. Kaller	CLP	7843

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection.
  - B = Analyte was detected in the method blank.
  - 3 = Estimated Value below Report Limit.
  - 4 = Estimated Value above the calibration limit of the instrument.
  - † = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6711  
Sample ID: BG5-S1  
Sample Type: Soil  
Site ID:

Date Collected: 12/14/02  
Time Collected: 13:16  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	208.	mg/kg	1.00	1	1/24/03	12:50	C. Martin	60203	7588
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	73.7	%			1/21/03	14:00	X. Keller	CLP	7582

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - E = Estimated Value below Report Limit.
  - X = Estimated Value above the calibration limit of the instrument.
  - 0 = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6715  
Sample ID: BG5-82  
Sample Type: Soil  
Site ID:

Date Collected: 12/14/02  
Time Collected: 13:27  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	653.	wg/kg	0.99	1	1/24/03	13:00	C. Martin	65105	7868
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	73.8	%			1/21/03	14:00	K. Keller	CLP	7864

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - L = Estimated Value below Report Limit.
  - T = Estimated Value above the calibration limit of the instrument.
  - R = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6712  
Sample ID: BG5-S3  
Sample Type: Soil  
Site ID:

Date Collected: 12/14/02  
Time Collected: 13:19  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	93.	wg/kg	0.99	1	1/24/03	12:00	G. Martin	6010B	7888
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	87.8	%			1/21/03	14:00	R. Keller	GLP	7882

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - F = Estimated value below Report Limit.
  - S = Estimated value above the calibration limit of the instrument.
  - R = Recovery outside laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6713  
Sample ID: BG5-S4  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/14/02  
Time Collected: 13:20  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Notes
<b>*METALS*</b>									
Arsenic	2036	mg/kg	C.99	1	1/24/03	12:30	G. Martin	6010B	7888
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	53.9	%			1/21/03	14:00	K. Keller	GLP	7882

**LABORATORY COMMENTS:**

- ND = Not Detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - J = Estimated value below Report Limit.
  - E = Estimated value above the calibration limit of the instrument.
  - \* = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6714  
Sample ID: BG5-85  
Sample Type: Soil  
Site ID:

Date Collected: 12/14/02  
Time Collected: 13:24  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	288.	ug/kg	0.99	1	1/24/03	12:50	C. Martin	60102	7888
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
† Dry Weight	78.0	%			1/21/03	14:00	X. Keller	CLP	7864

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - f = Estimated Value below Report Limit.
  - n = Estimated Value above the calibration limit of the instrument.
  - † = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6717  
Sample ID: EG6-S1  
Sample Type: Soil  
Site ID:

Date Collected: 12/14/02  
Time Collected: 13:56  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*METALS*									
Arsenic	285.	mg/kg	0.89	1	1/24/02	13:56	G. Martin	60108	7888
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	80.8	%			1/21/02	14:00	K. Keller	GLP	7584

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - E = Estimated Value below Report Limit.
  - X = Estimated Value above the calibration limit of the instrument.
  - \* = Recovery outside laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6719  
Sample ID: BG6-S2  
Sample Type: Soil  
Site ID:

Date Collected: 12/14/02  
Time Collected: 14:02  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	2310	mg/kg	0.99	1	1/24/03	12:50	G. Martin	6010B	7566
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	82.1	%			1/21/03	14:00	K. Keller	CLP	7564

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - E = Estimated value below Report Limit.
  - H = Estimated Value above the calibration limit of the instrument.
  - R = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6720  
Sample ID: BG6-S3  
Sample Type: Soil  
Site ID:

Date Collected: 12/14/02  
Time Collected: 14:05  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	436.	mg/kg	0.01	1	1/24/03	13:30	C. Martin	60103	7888
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	91.8	%			1/21/03	16:00	K. Keller	CLP	7884

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - J = Estimated Value Below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - \* = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6718  
Sample ID: BG6-94  
Sample Type: Soil  
Site ID:

Date Collected: 12/14/02  
Time Collected: 13:58  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	55.1	mg/kg	1.00	1	1/24/03	12:00	G. Martin	6010N	7500
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	67.2	%			1/21/03	14:00	X. Keller	GRP	7504

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - J = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - S = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6716

Sample ID: BG6-S5

Sample Type: Soil

Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/14/02

Time Collected: 13:52

Date Received: 12/17/02

Time Received: 9:00

Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	1970	ng/lg	6.25	1	1/24/03	13:50	C. Martin	60105	7888
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	78.4	%			1/21/03	14:00	E. Keller	CLP	7884

**LABORATORY COMMENTS:**

- ND = Not Detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - J = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - \* = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6724  
Sample ID: BG7-S1  
Sample Type: Soil  
Site ID:

Date Collected: 12/14/02  
Time Collected: 14:34  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	2830	mg/kg	0.99	1	1/28/03	10:08	C. Martin	00102	1781
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	82.9	%			1/28/03	14:00	R. Keller	002	9284

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection.
  - B = Analyte was detected in the method blank.
  - C = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - R = Recovery outside laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY, STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6721  
Sample ID: BG7-S2  
Sample Type: Soil  
Site ID:

Date Collected: 12/14/02  
Time Collected: 14:22  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	1800	ug/kg	1.00	1	1/14/03	14:50	G. Martin	60105	7828
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
† Dry Weight	81.1	†			1/21/03	14:00	K. Keller	CLD	7824

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection.
  - B = Analyte was detected in the method blank.
  - Q = Estimated value below Report Limit.
  - E = Estimated value above the calibration limit of the instrument.
  - R = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6725  
Sample ID: BG7-S3  
Sample Type: Soil  
Site ID:

Date Collected: 12/14/02  
Time Collected: 14:36  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	1710	mg/kg	0.07	1	1/28/03	10:05	C. Martin	60109	1751
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
↳ Dry Weight	79.3	%			1/21/03	14:00	K. Kellar	CLP	7584

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - S = Estimated Value below Report Limit.
  - M = Estimated Value above the calibration limit of the instrument.
  - R = Recovery outside laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6723  
Sample ID: BG7-S4  
Sample Type: Soil  
Site ID:

Date Collected: 12/14/02  
Time Collected: 14:29  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	0.99	mg/kg	0.99	1	1/28/03	10:00	C. Martin	60103	1784
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	76.8	%			1/21/03	14:00	E. Keller	CLP	1784

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - J = Estimated value below Report Limit.
  - E = Estimated value above the calibration limit of the instrument.
  - \* = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6722  
Sample ID: BG7-85  
Sample Type: Soil  
Site ID:

Date Collected: 12/14/02  
Time Collected: 14:26  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Flt Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	2220	mg/kg	0.98	1	1/20/03	10:05	G. Martin	80103	1781
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	82.1	%			1/21/03	14:00	K. Kallier	CLP	7884

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - L = Estimated value below Report Limit.
  - H = Estimated value above the calibration limit of the instrument.
  - S = Recovery outside laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6696  
Sample ID: BG8-S1  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/17/02  
Time Collected: 11:24  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	127.	mg/kg	0.99	1	1/24/03	11:06	G. Martin	60108	7888
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	77.1	%			1/23/03	14:30	K. Keller	CLP	7842

**LABORATORY COMMENTS:**

- ND = Not Detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - U = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - R = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6692  
Sample ID: B08-S2  
Sample Type: Soil  
Site ID:

Date Collected: 12/17/02  
Time Collected: 9:34  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	885.	mg/kg	0.97	1	1/24/03	11:06	C. Martin	60108	7888
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
* Dry Weight	73.8	%			1/21/03	14:50	K. Keller	CLP	7843

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - J = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - \* = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6697  
Sample ID: BGS-S3  
Sample Type: Soil  
Site ID:

Date Collected: 12/17/02  
Time Collected: 11:28  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	404.	mg/kg	0.97	1	1/24/03	11:06	C. Martin	60108	7888
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	76.2	%			1/21/03	14:30	X. Keller	CLP	7842

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - J = Estimated value below Report Limit.
  - H = Estimated value above the calibration limits of the instrument.
  - \* = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 03-A6693  
 Sample ID: BG8-S4  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHARLES WAY

Date Collected: 12/17/02  
 Time Collected: 9:39  
 Date Received: 12/17/02  
 Time Received: 9:00  
 Page: 1

analyte	Result	Units	Report Limit	Oil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	198.	ug/kg	1.00	1	1/24/03	11:06	C. Martin	60103	7885
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	74.8	%			1/21/03	14:38	X. Keller	CLP	7842

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - E = Estimated Value below Report Limit.
  - M = Estimated Value above the calibration limit of the instrument.
  - \* = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6694  
Sample ID: BGS-S5  
Sample Type: Soil  
Site ID:

Date Collected: 12/17/02  
Time Collected: 9:51  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
ARSENIC	0.94	mg/kg	0.94	1	1/24/03	12:06	C. MARTIN	60105	7585
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	79.6	%			1/21/03	14:30	K. Keller	CLP	7542

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - J = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - § = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6698  
Sample ID: BG9-S1  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/17/02  
Time Collected: 11:37  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	DII Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	0.99	mg/kg	0.99	1	1/24/03	11:05	G. Marbin	60105	7888
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	78.9	%			1/21/03	16:00	E. Keller	CLP	7882

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - F = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - \* = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6699  
Sample ID: B99-82  
Sample Type: Soil  
site ID:

Date Collected: 12/17/02  
Time Collected: 11:44  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	363.	mg/kg	0.50	1	1/24/03	11:00	C. Martin	60103	7885
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
† Dry Weight	71.5	g			1/21/03	14:00	K. Keller	CEP	7882

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection.
  - B = Analyte was detected in the method blank.
  - E = Estimated Value below Report Limit.
  - S = Estimated Value above the calibration limit of the instrument.
  - Q = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6695  
Sample ID: BQ9-S3  
Sample Type: Soil  
Site ID:

Date Collected: 12/17/02  
Time Collected: 10:12  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	795.	mg/kg	0.99	1	1/24/03	11:06	C. Martin	6910B	7883
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
* Dry Weight	75.0	%			1/21/03	14:30	K. Kallen	GLP	7843

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - J = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - R = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6700  
Sample ID: BG9-85  
Sample Type: Soil  
Site ID:

Date Collected: 12/17/02  
Time Collected: 11:48  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	1430	mg/kg	0.97	1	1/24/03	11:06	C. Martin	6010B	7883
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	72.0	%			1/21/03	14:06	K. Keller	CLP	7882

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - N = Analyte was detected in the method blank.
  - U = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - † = Recovery outside laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A8847  
Sample ID: BG13-S2  
Sample Type: Soil  
Site ID:

Date Collected: 12/14/02  
Time Collected: 7:53  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	13.8	mg/kg	1.25	1	1/28/03	10:05	C. Martin	6010B	1751
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	78.3	%			1/28/03	16:00	K. Keller	CLP	9786

### LABORATORY COMMENTS:

- W = Not detected at the report limit.
- B = Analyte was detected in the method blank.
- J = Estimated value below Report Limit.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAYLab Number: 03-A8846  
Sample ID: BG13-S5  
Sample Type: Soil  
Site ID:Date Collected: 12/14/02  
Time Collected: 7:48  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*METALS*									
Arsenic	135.	ug/kg	1.29	1	1/28/03	10:05	C. Martin	6010A	1731
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	76.9	%			1/28/03	16:00	X. Keller	CLP	9786

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - % - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analytes have been corrected for dry weight.

End of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAYLab Number: 03-A8849  
Sample ID: BG14-S2  
Sample Type: Soil  
Site ID:Date Collected: 12/14/02  
Time Collected: 8:35  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	43.0	mg/kg	1.33	1	1/28/03	10:05	C. Martin	6010B	1751
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	73.0	%			1/28/03	16:00	K. Keller	CLP	9786

### LABORATORY COMMENTS:

- ND = Not detected at the report limit.
  - B = Analyte was detected in the method blank.
  - J = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - # = recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A8848  
Sample ID: BG14-S5  
Sample Type: Soil  
Site ID:

Date Collected: 12/14/02  
Time Collected: 8:14  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	21.0	mg/kg	1.26	1	1/28/03	10:05	C. Martin	6010B	1751
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	78.8	%			1/28/03	16:00	K. Keller	CLP	9786

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - R - Recovery outside laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAYLab Number: 03-A8850  
Sample ID: BG15-S2  
Sample Type: Soil  
Site ID:Date Collected: 12/12/02  
Time Collected: 14:50  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*METALS*</b>									
Arsenic	130.	mg/kg	1.29	1	1/28/03	10:05	C. Martin	6010B	1751
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
* Dry Weight	77.0	%			1/28/03	16:00	K. Keller	CLP	9786

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - U - Estimated Value below Report Limit.
  - E - Estimated value above the calibration limit of the instrument.
  - R - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

**Appendix D**

**Area C Soil Sample Analytical Data**

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207984  
Sample ID: CP18 0-3  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHRIS MILLER

Date Collected: 12/16/02  
Time Collected: 14:23  
Date Received: 12/18/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Bill Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Aldrin	ND	wg/kg	0.0422	20	1/ 3/03	2:19	Carmichael	8081A	6959
a-BHC	ND	J wg/kg	0.0422	20	1/ 3/03	2:19	Carmichael	8081A	6959
b-BHC	0.186	wg/kg	0.0422	20	1/ 3/03	2:19	Carmichael	8081A	6959
d-BHC	ND	wg/kg	0.0422	20	1/ 3/03	2:19	Carmichael	8081A	6959
g-BHC, Lindane	ND	wg/kg	0.0422	20	1/ 3/03	2:19	Carmichael	8081A	6959
4,4'-DDD	ND	J wg/kg	0.0844	20	1/ 3/03	2:19	Carmichael	8081A	6959
4,4'-DDS	0.177	wg/kg	0.0844	20	1/ 3/03	2:19	Carmichael	8081A	6959
4,4'-DDT	0.911	wg/kg	0.0844	20	1/ 3/03	2:19	Carmichael	8081A	6959
Dieldrin	0.279	wg/kg	0.0844	20	1/ 3/03	2:19	Carmichael	8081A	6959
Endosulfan I	ND	wg/kg	0.0422	20	1/ 3/03	2:19	Carmichael	8081A	6959
Endosulfan II	ND	wg/kg	0.0844	20	1/ 3/03	2:19	Carmichael	8081A	6959
Endosulfan sulfate	ND	wg/kg	0.0844	20	1/ 3/03	2:19	Carmichael	8081A	6959
Endrin	ND	wg/kg	0.0844	20	1/ 3/03	2:19	Carmichael	8081A	6959
Endrin aldehyde	ND	wg/kg	0.0844	20	1/ 3/03	2:19	Carmichael	8081A	6959
Endrin Ketone	ND	wg/kg	0.0844	20	1/ 3/03	2:19	Carmichael	8081A	6959
Heptachlor	ND	wg/kg	0.0422	20	1/ 3/03	2:19	Carmichael	8081A	6959
Heptachlor epoxide	ND	wg/kg	0.0422	20	1/ 3/03	2:19	Carmichael	8081A	6959
Methoxychlor	ND	wg/kg	0.422	20	1/ 3/03	2:19	Carmichael	8001A	6959
Toxaphene	3.32	wg/kg	0.844	2	1/ 3/03	2:19	Carmichael	8081A	6959
alpha-Chlordane	ND	wg/kg	0.0422	20	1/ 3/03	2:19	Carmichael	8081A	6959
gamma-Chlordane	ND	wg/kg	0.0422	20	1/ 3/03	2:19	Carmichael	8081A	6959
<b>*METALS*</b>									
Arsenic	262.	wg/kg	1.24	1	12/21/02	13:28	C. Martin	6010B	8429

Sample report continued . . .



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A207984  
 Sample ID: CP1S 0-3  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	78.9	%			12/30/02	14:30	K. Keller	CLP	8632

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.2 gm	10.0 ml	12/30/02		M. Caughan	3550

### LABORATORY COMMENTS:

ND - Not detected at the report limit.  
 B - Analyte was detected in the method blank.  
 J - Estimated Value below Report Limit.  
 E - Estimated Value above the calibration limit of the instrument.  
 # - Recovery outside Laboratory historical or method prescribed limits.  
 All reported results for metals or Organic analyses have been corrected for dry weight.  
 Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A207985  
 Sample ID: CP18 3-6  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHRIS MILLER

Date Collected: 12/16/02  
 Time Collected: 14:30  
 Date Received: 12/18/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Dieldrin	ND	ug/kg	0.0043	1	1/ 1/01	3:48	Carmichael	8081A	6959
Toxaphene	ND	ug/kg	0.428	1	1/ 1/01	3:48	Carmichael	8081A	6959
<b>*METALS*</b>									
Arsenic	1090	ug/kg	1.32	1	12/31/02	13:28	C. Martin	6010B	8629
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	76.0	%			12/30/02	14:30	K. Keller	CLP	8632

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.5 gm	10.0 ml	12/30/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TMX	104.	48. - 132.
pest surr-DCB	112.	46. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A207985

Sample ID: CP18 3-6

Project: 37778-010-1400

Page 2

### LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

\* - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A207986  
 Sample ID: CP1S 6-10  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHRIS MILLER

Date Collected: 12/16/02  
 Time Collected: 14:38  
 Date Received: 12/18/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/SCB's/HERBICIDES*</b>									
Dieldrin	ND	mg/kg	0.0048	1	1/ 1/03	4:17	Carrichael	8081A	6989
Toxaphene	ND	mg/kg	0.484	1	1/ 1/03	4:17	Carrichael	8081A	6989
<b>*METALS*</b>									
Arsenic	61.2	mg/kg	1.41	1	12/31/02	13:28	C. Martin	6010B	8629
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	69.8	%			12/30/02	14:30	K. Keller	CLP	8632

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.4 gm	10.0 ml	12/30/02		M. Cauthen	2880

Surrogate	% Recovery	Target Range
pest surr-TCM	96.	48. - 132.
pest surr-DCB	98.	46. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A207986

Sample ID: CP1S 6-10

Project: 37778-010-1400

Page 2

### LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

R - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A207987  
 Sample ID: CP1N 0-2  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHRIS MILLER

Date Collected: 12/16/02  
 Time Collected: 14:52  
 Date Received: 12/18/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	ug/kg	0.0104	5	1/ 3/03	2:48	Caraichael	8081A	6959
a-BHC	ND	ug/kg	0.0104	5	1/ 3/03	2:48	Caraichael	8081A	6959
b-BHC	ND	ug/kg	0.0104	5	1/ 3/03	2:48	Caraichael	8081A	6959
d-BHC	ND	ug/kg	0.0104	5	1/ 3/03	2:48	Caraichael	8081A	6959
g-BHC, Lindane	ND	ug/kg	0.0104	5	1/ 3/03	2:48	Caraichael	8081A	6959
4,4'-DDU	ND	ug/kg	0.0208	5	1/ 3/03	2:48	Caraichael	8081A	6959
4,4'-DDB	0.0920	ug/kg	0.0208	5	1/ 3/03	2:48	Caraichael	8081A	6959
4,4'-DDT	0.268	ug/kg	0.0208	5	1/ 3/03	2:48	Caraichael	8081A	6959
Dieldrin	0.0647	ug/kg	0.0208	5	1/ 3/03	2:48	Caraichael	8081A	6959
Endosulfan I	ND	ug/kg	0.0104	5	1/ 3/03	2:48	Caraichael	8081A	6959
Endosulfan II	ND	ug/kg	0.0208	5	1/ 3/03	2:48	Caraichael	8081A	6959
Endosulfan sulfate	ND	ug/kg	0.0208	5	1/ 3/03	2:48	Caraichael	8081A	6959
Endrin	ND	ug/kg	0.0208	5	1/ 3/03	2:48	Caraichael	8081A	6959
Endrin aldehyde	ND	ug/kg	0.0208	5	1/ 3/03	2:48	Caraichael	8081A	6959
Endrin Ketone	ND	ug/kg	0.0208	5	1/ 3/03	2:48	Caraichael	8081A	6959
Heptachlor	ND	ug/kg	0.0104	5	1/ 3/03	2:48	Caraichael	8081A	6959
Heptachlor epoxide	ND	ug/kg	0.0104	5	1/ 3/03	2:48	Caraichael	8081A	6959
Methoxychlor	ND	ug/kg	0.104	5	1/ 3/03	2:48	Caraichael	8081A	6959
Toxaphene	0.882	ug/kg	0.418	1	1/ 3/03	2:48	Caraichael	8081A	6959
alpha-Chlordane	ND	ug/kg	0.0204	5	1/ 3/03	2:48	Caraichael	8081A	6959
gamma-Chlordane	ND	ug/kg	0.0104	5	1/ 3/03	2:48	Caraichael	8081A	6959
*METALS*									
Arsenic	3410	ug/kg	1.22	1	12/31/02	13:28	C. Martin	60109	8629

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A207987

Sample ID: CPIN 0-2

Project: 37778-010-1400

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	79.7	%			12/30/02	14:30	K. Keller	CLP	0632

### Sample Extraction Data

Parameter	Wt./Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.5 gm	10.0 ml	12/30/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TCMX	50.	48. - 132.
pest surr-DCB	60.	46. - 140.

### LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207988  
Sample ID: CP1N 2-6  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHRIS MILLER

Date Collected: 12/16/02  
Time Collected: 15:00  
Date Received: 12/18/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	ND	ug/kg	0.0042	1	1/ 1/03	5:15	Carmichael	8081A	6959
Toxaphene	ND	ug/kg	0.423	1	1/ 1/03	5:15	Carmichael	8081A	6959
<b>*METALS*</b>									
Arsenic	551.	ug/kg	1.21	1	12/31/02	13:28	C. Martin	6010B	8629
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	78.8	%			12/30/02	14:30	K. Keller	CLP	8632

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.8 gm	10.0 ml	12/30/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TCMX	96.	48. - 132.
pest surr-DCs	108.	46. - 140.

Sample report continued . . .



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A207988

Sample ID: CP1N 2-6

Project: 37778-010-1400

Page 2

### LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

S - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A207989  
 Sample ID: CPIN 6-10  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHRIS MILLER

Date Collected: 12/16/02  
 Time Collected: 15:05  
 Date Received: 12/18/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PC's/HERBICIDES*</b>									
Dieldrin	ND	mg/kg	0.0046	1	1/ 1/03	5:44	Carmichael	8081A	6959
Toxaphene	ND	mg/kg	0.461	1	1/ 1/03	5:44	Carmichael	8081A	6959
<b>*METALS*</b>									
Arsenic	659.	mg/kg	1.34	1	12/31/02	13:28	C. Martin	6010B	8629
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	72.2	%			12/30/02	14:30	K. Keller	CLP	8632

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.9 g±	10.0 ml	12/30/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	106.	48. - 132.
pest surr-DOB	104.	46. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A207989  
Sample ID: CPIN 6-10  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - K - Estimated Value above the calibration limit of the instrument.
  - # - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A207990  
 Sample ID: CP2S 0-3  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHRIS MILLER

Date Collected: 12/16/02  
 Time Collected: 15:28  
 Date Received: 12/18/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.103	50	1/ 3/03	3:45	Car michael	8081A	6959
a-BHC	ND	mg/kg	0.103	50	1/ 3/03	3:45	Car michael	8081A	6959
b-BHC	0.166	mg/kg	0.103	50	1/ 3/03	3:45	Car michael	8081A	6959
d-BHC	ND	mg/kg	0.103	50	1/ 3/03	3:45	Car michael	8081A	6959
g-BHC, Lindane	ND	mg/kg	0.103	50	1/ 3/03	3:45	Car michael	8081A	6959
4,4'-DDB	ND	mg/kg	0.205	50	1/ 3/03	3:45	Car michael	8081A	6959
4,4'-DDX	0.412	mg/kg	0.205	50	1/ 3/03	3:45	Car michael	8081A	6959
4,4'-DDT	2.57	mg/kg	0.205	50	1/ 3/03	3:45	Car michael	8081A	6959
Dieldrin	0.329	mg/kg	0.205	50	1/ 3/03	3:45	Car michael	8081A	6959
Endosulfan I	ND	mg/kg	0.103	50	1/ 3/03	3:45	Car michael	8081A	6959
Endosulfan II	ND	mg/kg	0.205	50	1/ 3/03	3:45	Car michael	8081A	6959
Endosulfan sulfate	ND	mg/kg	0.205	50	1/ 3/03	3:45	Car michael	8081A	6959
Endrin	ND	mg/kg	0.205	50	1/ 3/03	3:45	Car michael	8081A	6959
Endrin aldehyde	ND	mg/kg	0.205	50	1/ 3/03	3:45	Car michael	8081A	6959
Endrin Ketone	ND	mg/kg	0.205	50	1/ 3/03	3:45	Car michael	8081A	6959
Heptachlor	ND	mg/kg	0.103	50	1/ 3/03	3:45	Car michael	8081A	6959
Heptachlor epoxide	ND	mg/kg	0.103	50	1/ 3/03	3:45	Car michael	8081A	6959
Methoxychlor	ND	mg/kg	1.03	50	1/ 3/03	3:45	Car michael	8081A	6959
Toxaphene	7.72	mg/kg	2.05	5	1/ 3/03	3:45	Car michael	8081A	6959
alpha-Chlordane	ND	mg/kg	0.103	50	1/ 3/03	3:45	Car michael	8081A	6959
gamma-Chlordane	ND	mg/kg	0.103	50	1/ 3/03	3:45	Car michael	8081A	6959
<b>*METALS*</b>									
Arsenic	43.3	mg/kg	1.19	1	12/31/02	12:28	C. Martin	6010B	8629

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A207990  
 Sample ID: CP2S 0-3  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	60.8	%			12/30/02	14:30	K. Keller	CLP	8632

Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	29.8 gm		10.0 ml	12/30/02		M. Cauthen	3550

**LABORATORY COMMENTS:**

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated value above the calibration limit of the instrument.
  - R - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.  
 Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A207991  
 Sample ID: CP28 3-6  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHRIS MILLER

Date Collected: 12/16/02  
 Time Collected: 15:38  
 Date Received: 12/18/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	0.0048	mg/kg	0.0043	1	1/ 3/02	4:14	Carmichael	8081A	6959
Toxaphene	ND	mg/kg	0.433	1	1/ 3/02	4:14	Carmichael	8081A	6959
<b>*METALS*</b>									
Arsenic	3.97	mg/kg	1.24	1	12/31/02	13:28	C. Martin	6010B	8629
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
t Dry Weight	76.9	%			12/30/02	14:30	K. Keller	CLP	8632

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.9 gm	10.0 ml	12/30/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TCMX	104.	48. - 122.
pest surr-DCB	106.	46. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A207991  
Sample ID: CP2S 3-6  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated value above the calibration limit of the instrument.
  - # - Recovery outside Laboratory historical or method proscribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A207992  
 Sample ID: CP2S 6-10  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHRIS MILLER

Date Collected: 12/16/02  
 Time Collected: 15:42  
 Date Received: 12/18/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	ND	J	ug/kg	0.0045	1	1/ 1/03	7:11	Carmichael	8081A 6959
Toxaphene	ND		ug/kg	0.459	1	1/ 1/03	7:11	Carmichael	8081A 6959
<b>*METALS*</b>									
Arsenic	3.71		ug/kg	1.33	1	12/31/02	13:28	C. Martin	6010B 8629
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	72.7					12/30/02	14:30	K. Kaller	CLP 8632

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/30/02		M. Cauthen	3950

Surrogate	% Recovery	Target Range
pest surr-TCM	112.	48. - 132.
pest surr-DCB	108.	46. - 140.

sample report continued . . .



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A207992  
Sample ID: CP2S 6-10  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - R - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A207993  
 Sample ID: CP2N 0-2  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHRIS MILLER

Date Collected: 12/16/02  
 Time Collected: 15:58  
 Date Received: 12/18/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	ug/kg	0.0203	10	1/ 3/03	4:43	Carmichael	8081A	6959
a-BHC	0.0286	ug/kg	0.0203	10	1/ 3/03	4:43	Carmichael	8081A	6959
b-BHC	0.412	ug/kg	0.0203	10	1/ 3/03	4:43	Carmichael	8081A	6959
d-BHC	ND	ug/kg	0.0203	10	1/ 3/03	4:43	Carmichael	8081A	6959
g-BHC, Lindane	ND	ug/kg	0.0203	10	1/ 3/03	4:43	Carmichael	8081A	6959
4,4'-DDD	ND	ug/kg	0.0408	10	1/ 3/03	4:43	Carmichael	8081A	6959
4,4'-DDE	0.0939	ug/kg	0.0408	10	1/ 3/03	4:43	Carmichael	8081A	6959
4,4'-DDT	0.147	ug/kg	0.0408	10	1/ 3/03	4:43	Carmichael	8081A	6959
Dieldrin	0.527	ug/kg	0.0408	10	1/ 3/03	4:43	Carmichael	8081A	6959
Endosulfan I	ND	ug/kg	0.0203	10	1/ 3/03	4:43	Carmichael	8081A	6959
Endosulfan II	ND	ug/kg	0.0408	10	1/ 3/03	4:43	Carmichael	8081A	6959
Endosulfan sulfate	ND	ug/kg	0.0408	10	1/ 3/03	4:43	Carmichael	8081A	6959
Endrin	ND	ug/kg	0.0408	10	1/ 3/03	4:43	Carmichael	8081A	6959
Endrin aldehyde	ND	ug/kg	0.0408	10	1/ 3/03	4:43	Carmichael	8081A	6959
Endrin Ketone	ND	ug/kg	0.0408	10	1/ 3/03	4:43	Carmichael	8081A	6959
Heptachlor	ND	ug/kg	0.0203	10	1/ 3/03	4:43	Carmichael	8081A	6959
Heptachlor epoxide	ND	ug/kg	0.0203	10	1/ 3/03	4:43	Carmichael	8081A	6959
Methoxychlor	ND	ug/kg	0.203	10	1/ 3/03	4:43	Carmichael	8081A	6959
Toxaphene	4.36	ug/kg	0.016	2	1/ 3/03	4:43	Carmichael	8081A	6959
alpha-Chlordane	ND	ug/kg	0.0203	10	1/ 3/03	4:43	Carmichael	8081A	6959
gamma-Chlordane	ND	ug/kg	0.0203	10	1/ 3/03	4:43	Carmichael	8081A	6959
<b>*METALS*</b>									
Arsenic	315.	ug/kg	1.16	1	12/31/02	13:28	C. Martin	6010B	8629

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A207993  
 Sample ID: CP2N 0-2  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
* Dry Weight	81.6	%			12/30/02	14:30	K. Keller	CLF	8632

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Test	29.8 gm	10.0 ml	12/30/02		M. Cauthen	3550

### LABORATORY COMMENTS:

ND = Not detected at the report limit.  
 B = Analyte was detected in the method blank.  
 J = Estimated Value below Report Limit.  
 E = Estimated Value above the calibration limit of the instrument.  
 S = Recovery outside laboratory historical or method prescribed limits.  
 All reported results for metals or Organic analyses have been corrected for dry weight.  
 Pesticide surrogate diluted below detectable levels due to sample matrix. 4,4'DDT result shows >40% difference between channels.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A207994  
 Sample ID: CP2N 2-6  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHRIS MILLER

Date Collected: 12/16/02  
 Time Collected: 16:02  
 Date Received: 12/18/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Dieldrin	0.0594	ug/kg	0.0042	1	1/ 3/03	5:12	Carmichael	8081A	6959
Toxaphene	ND	ug/kg	0.421	1	1/ 3/03	5:12	Carmichael	8081A	6959
<b>*METALS*</b>									
Arsenic	171.	ug/kg	1.24	1	12/31/02	13:28	C. Martin	6010B	8629
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	79.1	%			12/30/02	14:30	K. Keller	CLP	8632

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.9 gm	10.0 ml	12/30/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TCM	104.	68. - 132.
pest surr-DCB	114.	66. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A207994  
Sample ID: CP2N 2-6  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - S - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A207995  
 Sample ID: CP2N 6-10  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHRIS MILLER

Date Collected: 12/16/02  
 Time Collected: 16:08  
 Date Received: 12/18/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Dieldrin	0.0249	ug/kg	0.0044	1	1/ 3/03	6:38	Carmichael	8081A	6959
Toxaphene	ND	ug/kg	0.446	1	1/ 3/03	6:38	Carmichael	8081A	6959
<b>*METALS*</b>									
Arsenic	224.	ug/kg	1.33	1	12/31/02	13:28	C. Martin	6010B	8629
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	74.7	%			12/30/02	14:30	K. Keller	CLP	8632

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.3 gm	10.0 ml	12/30/02		M. Gauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TCM	102.	48. - 132.
pest surr-DCM	110.	46. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A207995

Sample ID: CP2N 6-10

Project: 37778-010-1400

Page 2

### LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated value below Report Limit.

X - Estimated value above the calibration limit of the instrument.

\* - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A207996  
 Sample ID: CP3S 0-2  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHRIS MILLER

Date Collected: 12/16/02  
 Time Collected: 16:30  
 Date Received: 12/18/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	9.87	ug/kg	0.967	500	1/ 3/03	7:07	Carmichael	8081A	6959
a-BHC	ND	ug/kg	0.967	500	1/ 3/03	7:07	Carmichael	8081A	6959
b-BHC	24.4	ug/kg	0.967	500	1/ 3/03	7:07	Carmichael	8081A	6959
d-BHC	ND	ug/kg	0.967	500	1/ 3/03	7:07	Carmichael	8081A	6959
g-BHC, Lindane	ND	ug/kg	0.967	500	1/ 3/03	7:07	Carmichael	8081A	6959
4,4'-DDD	ND	ug/kg	193.	50000	1/ 3/03	7:07	Carmichael	8081A	6959
4,4'-DDN	20.7	ug/kg	1.93	500	1/ 3/03	7:07	Carmichael	8081A	6959
4,4'-DDT	2910	ug/kg	193.	50000	1/ 3/03	7:07	Carmichael	8081A	6959
Dieldrin	1010	ug/kg	193.	50000	1/ 3/03	7:07	Carmichael	8081A	6959
Endosulfan I	ND	ug/kg	0.967	500	1/ 3/03	7:07	Carmichael	8081A	6959
Endosulfan II	ND	ug/kg	1.93	500	1/ 3/03	7:07	Carmichael	8081A	6959
Endosulfan sulfate	ND	ug/kg	1.93	500	1/ 3/03	7:07	Carmichael	8081A	6959
Endrin	26.9	ug/kg	1.93	500	1/ 3/03	7:07	Carmichael	8081A	6959
Endrin aldehyde	ND	ug/kg	1.93	500	1/ 3/03	7:07	Carmichael	8081A	6959
Endrin Ketone	10.7	ug/kg	1.93	500	1/ 3/03	7:07	Carmichael	8081A	6959
Heptachlor	ND	ug/kg	0.967	500	1/ 3/03	7:07	Carmichael	8081A	6959
Heptachlor epoxide	ND	ug/kg	0.967	500	1/ 3/03	7:07	Carmichael	8081A	6959
Methoxychlor	ND	ug/kg	9.67	500	1/ 3/03	7:07	Carmichael	8081A	6959
Toxaphene	ND	ug/kg	1550	4000	1/ 3/03	7:07	Carmichael	8081A	6959
alpha-Chlordane	ND	ug/kg	0.967	500	1/ 3/03	7:07	Carmichael	8081A	6959
gamma-Chlordane	2.71	ug/kg	0.967	500	1/ 3/03	7:07	Carmichael	8081A	6959
*METALS*									
Arsenic	262.	ug/kg	1.16	1	12/21/02	13:28	C. Martin	6010B	8629

Sample report continued . . .



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A207996  
 Sample ID: CP38 0-2  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
† Dry Weight	86.0	%			12/30/02	14:30	K. Keller	CLP	8632

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.3 gm	10.0 ml	12/30/02		M. Cauthen	3550

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - \$ - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or organic analyses have been corrected for dry weight.  
 Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A207997  
 Sample ID: CP38 2-6  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHRIS MILLER

Date Collected: 12/16/02  
 Time Collected: 16:35  
 Date Received: 12/18/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Dieldrin	37.7	ug/kg	4.24	1000	1/ 8/03	23:20	Carmichael	8081A	6989
Toxaphene	ND	ug/kg	42.4	100	1/ 8/03	23:20	Carmichael	8081A	6989
<b>*METALS*</b>									
Arsenic	175.	ug/kg	1.27	1	12/31/02	13:28	C. Martin	6016B	8629
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	78.5	%			12/30/02	14:30	K. Keller	CLP	8632

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
GC Test	20.1 gm	10.0 ml	12/30/02		M. Cauthen	3550

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A207997

Sample ID: CP3S 2-6

Project: 37778-010-1400

Page 2

### LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

H = Estimated Value above the calibration limit of the instrument.

S = Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A207998  
 Sample ID: CP3S 6-10  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHRIS MILLER

Date Collected: 12/16/02  
 Time Collected: 16:42  
 Date Received: 12/18/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Dieldrin	2.00	ug/kg	0.218	50	1/ 7/03	19:27	Carmichael	8081A	6741
Toxaphene	ND	ug/kg	4.28	10	1/ 7/03	19:27	Carmichael	8081A	6741
<b>*METALS*</b>									
Arsenic	3.15	ug/kg	1.31	1	1/ 2/03	10:00	C. Martin	6010B	6630
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	76.1	%			12/30/02	16:00	K. Keller	CLP	8633

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Test	30.2 gm	10.0 ml	12/30/02		M. Ricke	3950

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A207998  
Sample ID: CP3S 6-10  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - S - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.  
Pesticide surrogate diluted below detectable levels due to sample matrix.

end of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A208000  
 Sample ID: CP3N 0-3  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHRIS MILLER

Date Collected: 12/17/02  
 Time Collected: 8:30  
 Date Received: 12/18/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	28.7	ug/kg	20.5	10000	1/ 7/03	20:29	Carmichael	8081A	6741
a-BHC	ND	ug/kg	20.5	10000	1/ 7/03	20:29	Carmichael	8081A	6741
b-BHC	ND	ug/kg	20.5	10000	1/ 7/03	20:29	Carmichael	8081A	6741
d-BHC	ND	ug/kg	20.5	10000	1/ 7/03	20:29	Carmichael	8081A	6741
g-BHC, Lindane	ND	ug/kg	20.5	10000	1/ 7/03	20:29	Carmichael	8081A	6741
4,4'-DDD	139.	ug/kg	41.1	10000	1/ 7/03	20:29	Carmichael	8081A	6741
4,4'-DDE	ND	ug/kg	41.1	10000	1/ 7/03	20:29	Carmichael	8081A	6741
4,4'-DDT	1020	B ug/kg	82.1	20000	1/ 7/03	20:29	Carmichael	8081A	6741
Dieldrin	169.	B ug/kg	41.1	10000	1/ 7/03	20:29	Carmichael	8081A	6741
Endosulfan I	ND	ug/kg	20.5	10000	1/ 7/03	20:29	Carmichael	8081A	6741
Endosulfan II	ND	ug/kg	41.1	10000	1/ 7/03	20:29	Carmichael	8081A	6741
Endosulfan sulfate	ND	ug/kg	41.1	10000	1/ 7/03	20:29	Carmichael	8081A	6741
Endrin	ND	ug/kg	41.1	10000	1/ 7/03	20:29	Carmichael	8081A	6741
Endrin aldehyde	ND	ug/kg	41.1	10000	1/ 7/03	20:29	Carmichael	8081A	6741
Endrin Ketone	ND	ug/kg	41.1	10000	1/ 7/03	20:29	Carmichael	8081A	6741
Heptachlor	ND	ug/kg	20.5	10000	1/ 7/03	20:29	Carmichael	8081A	6741
Heptachlor epoxide	ND	ug/kg	20.5	10000	1/ 7/03	20:29	Carmichael	8081A	6741
Methoxychlor	ND	ug/kg	205.	10000	1/ 7/03	20:29	Carmichael	8081A	6741
Toxaphene	6290	ug/kg	1640	4000	1/ 7/03	20:29	Carmichael	8081A	6741
alpha-Chlordane	ND	ug/kg	20.5	10000	1/ 7/03	20:29	Carmichael	8081A	6741
gamma-Chlordane	ND	ug/kg	20.5	10000	1/ 7/03	20:29	Carmichael	8081A	6741
<b>*METALS*</b>									
Arsenic	128.	ug/kg	1.21	1	1/ 2/03	10:00	C. Martin	6010B	8630

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A208000

Sample ID: CP3N 0-3

Project: 37778-010-1400

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	81.1	%			12/30/02	16:00	K. Keller	CLP	8633

### Sample Extraction Data

Parameter	Mt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.3 gm	10.0 ml	12/30/02		M. Ricke	3550

### LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

K - Estimated Value above the calibration limit of the instrument.

L - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A208001  
 Sample ID: CP3N 3-6  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHRIS MILLER

Date Collected: 12/17/02  
 Time Collected: 8:36  
 Date Received: 12/18/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Dieldrin	5.63	ug/kg	2.16	500	1/ 7/03	21:31	Carmichael	8081A	6741
Toxaphene	148.	ug/kg	43.3	100	1/ 7/03	21:31	Carmichael	8081A	6741
<b>*METALS*</b>									
Arsenic	115.	ug/kg	1.26	1	1/ 2/03	10:00	C. Martin	6010B	8630
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	76.9	%			12/30/02	16:00	K. Keller	CLP	8633

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.9 gm	10.0 ml	12/30/02		M. Wicks	3550

Sample report continued . . .



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A208001  
Sample ID: CP3N 3-6  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

End of sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A208001  
Sample ID: CP3N 3-6  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

S = Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

end of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A208002  
Sample ID: CP3N 6-10  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHRIS MILLER

Date Collected: 12/17/02  
Time Collected: 8:43  
Date Received: 12/18/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Dieldrin	3.77	mg/kg	0.943	200	1/ 7/03	22:02	Carmichael	8081A	6741
Toxaphene	124.	mg/kg	47.2	100	1/ 7/03	22:02	Carmichael	8081A	6741
<b>*METALS*</b>									
Arsenic	12.3	mg/kg	1.37	1	1/ 2/03	10:00	C. Martin	6010B	8630
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	70.6	%			12/30/02	16:00	K. Keller	CLP	8633

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.9 gm	10.0 ml	12/30/02		M. Ricks	3550

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A208002  
Sample ID: CP3N 6-10  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value Below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - S - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.  
Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A208003  
 Sample ID: CP4S 0-2  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHRIS MILLER

Date Collected: 12/17/02  
 Time Collected: 9:00  
 Date Received: 12/18/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	ug/kg	0.430	200	1/ 7/03	22:33	Carmichael	8081A	6741
a-BHC	ND	ug/kg	0.430	200	1/ 7/03	22:33	Carmichael	8081A	6741
b-BHC	ND	ug/kg	0.430	200	1/ 7/03	22:33	Carmichael	8081A	6741
d-BHC	ND	ug/kg	0.430	200	1/ 7/03	22:33	Carmichael	8081A	6741
g-BHC, Lindane	ND	ug/kg	0.430	200	1/ 7/03	22:33	Carmichael	8081A	6741
4,4'-DDE	1.21	P ug/kg	0.860	200	1/ 7/03	22:33	Carmichael	8081A	6741
4,4'-DDD	ND	ug/kg	0.860	200	1/ 7/03	22:33	Carmichael	8081A	6741
4,4'-DDT	1.95	B ug/kg	0.860	200	1/ 7/03	22:33	Carmichael	8081A	6741
Dieldrin	1.72	B ug/kg	0.860	200	1/ 7/03	22:33	Carmichael	8081A	6741
Endosulfan I	ND	ug/kg	0.430	200	1/ 7/03	22:33	Carmichael	8081A	6741
Endosulfan II	ND	ug/kg	0.860	200	1/ 7/03	22:33	Carmichael	8081A	6741
Endosulfan sulfate	ND	ug/kg	0.860	200	1/ 7/03	22:33	Carmichael	8081A	6741
Endrin	ND	ug/kg	0.860	200	1/ 7/03	22:33	Carmichael	8081A	6741
Endrin aldehyde	ND	ug/kg	0.860	200	1/ 7/03	22:33	Carmichael	8081A	6741
Endrin ketone	ND	ug/kg	0.860	200	1/ 7/03	22:33	Carmichael	8081A	6741
Heptachlor	ND	ug/kg	0.430	200	1/ 7/03	22:33	Carmichael	8081A	6741
Heptachlor epoxide	ND	ug/kg	0.430	200	1/ 7/03	22:33	Carmichael	8081A	6741
Methoxychlor	ND	ug/kg	4.30	200	1/ 7/03	22:33	Carmichael	8081A	6741
Toxaphene	68.0	ug/kg	21.4	50	1/ 7/03	22:33	Carmichael	8081A	6741
alpha-Chlordane	0.947	ug/kg	0.430	200	1/ 7/03	22:33	Carmichael	8081A	6741
gamma-Chlordane	1.03	ug/kg	0.430	200	1/ 7/03	22:33	Carmichael	8081A	6741
<b>*METALS*</b>									
Arsenic	5.90	ug/kg	1.20	1	1/ 2/03	10:00	C. Martin	6010B	8630

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A208003  
 Sample ID: CP4S 0-2  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	77.4	%			12/30/02	16:00	K. Keller	CLP	8633

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Past	30.5 gm	10.0 ml	12/30/02		M. Riche	3550

### LABORATORY COMMENTS:

ND = Not detected at the report limit.  
 B = Analyte was detected in the method blank.  
 Q = Estimated Value below Report Limit.  
 E = Estimated value above the calibration limit of the instrument.  
 R = Recovery outside Laboratory historical or method prescribed limits.  
 All reported results for metals or Organic analyses have been corrected for dry weight.  
 Pesticide surrogate diluted below detectable levels due to sample matrix. Gamma chlordane results were >40% different between analytical columns.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A208004  
 Sample ID: CP4S 2-6  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHRIS MILLER

Date Collected: 12/17/02  
 Time Collected: 9:05  
 Date Received: 12/18/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	0.0111	wg/kg	0.0042	1	1/ 7/03	23:04	Carmichael	8081A	6741
Toxaphene	ND	J wg/kg	0.426	1	1/ 7/03	23:04	Carmichael	8081A	6741
<b>*METALS*</b>									
Arsenic	4.02	wg/kg	1.25	1	1/ 2/03	10:00	C. Martin	6010B	6630
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	78.1	%			12/30/02	16:00	K. Keller	CLP	6630

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Fast	29.5 gm	10.0 ml	12/30/02		M. Rieke	3880

Surrogate	% Recovery	Target Range
pest surr-TCDF	103.	48. - 132.
pest surr-DCB	109.	46. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A208004  
Sample ID: CP4S 2-6  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - # - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A208005  
 Sample ID: CP4S 6-10  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHRIS MILLER

Date Collected: 12/17/02  
 Time Collected: 9:12  
 Date Received: 12/18/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCB'S/HERBICIDES*</b>									
Dieldrin	0.0048	ug/kg	0.0043	1	1/ 8/03	0:37	Carmichael	8081A	6743
Toxaphene	ND	ug/kg	0.435	1	1/ 8/03	0:27	Carmichael	8081A	6743
<b>*METALS*</b>									
Arsenic	5.11	ug/kg	1.28	1	1/ 3/03	10:00	C. Martin	6010B	8630
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	76.5	%			12/30/02	16:00	K. Keller	CLP	8633

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Past	30.4 gm	10.0 ml	12/30/02		M. Riche	3550

Surrogate	% Recovery	Target Range
pest surr-TOK	120.	48. - 132.
pest surr-DCS	110.	46. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A208005  
Sample ID: CP4S 6-10  
Project: 37778-010-1400  
Page 2 -

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated value below Report Limit.
  - E - Estimated value above the calibration limit of the instrument.
  - \* - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A208006  
 Sample ID: CP4N 0-2  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHRIS MILLER

Date Collected: 12/17/02  
 Time Collected: 9:22  
 Date Received: 12/18/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.400	200	1/ 8/03	1:07	Carmichael	8081A	6741
a-BHC	ND	mg/kg	0.400	200	1/ 8/03	1:07	Carmichael	8081A	6741
b-BHC	ND	mg/kg	0.400	200	1/ 8/03	1:07	Carmichael	8081A	6741
d-BHC	ND	mg/kg	0.400	200	1/ 8/03	1:07	Carmichael	8081A	6741
g-BHC, Lindane	ND	mg/kg	0.400	200	1/ 8/03	1:07	Carmichael	8081A	6741
4,4'-DDD	ND	mg/kg	0.815	200	1/ 8/03	1:07	Carmichael	8081A	6741
4,4'-DDE	0.978	P mg/kg	0.815	200	1/ 8/03	1:07	Carmichael	8081A	6741
4,4'-DDE	1.87	B mg/kg	0.815	200	1/ 8/03	1:07	Carmichael	8081A	6741
Dieldrin	5.79	B mg/kg	0.815	200	1/ 8/03	1:07	Carmichael	8081A	6741
Endosulfen I	ND	mg/kg	0.400	200	1/ 8/03	1:07	Carmichael	8081A	6741
Endosulfen II	ND	mg/kg	0.815	200	1/ 8/03	1:07	Carmichael	8081A	6741
Endosulfen sulfate	ND	mg/kg	0.815	200	1/ 8/03	1:07	Carmichael	8081A	6741
Endrin	ND	mg/kg	0.815	200	1/ 8/03	1:07	Carmichael	8081A	6741
Endrin aldehyde	ND	mg/kg	0.815	200	1/ 8/03	1:07	Carmichael	8081A	6741
Endrin ketone	ND	mg/kg	0.815	200	1/ 8/03	1:07	Carmichael	8081A	6741
Heptachlor	ND	mg/kg	0.400	200	1/ 8/03	1:07	Carmichael	8081A	6741
Heptachlor epoxide	ND	mg/kg	0.400	200	1/ 8/03	1:07	Carmichael	8081A	6741
Methoxychlor	ND	mg/kg	4.00	200	1/ 8/03	1:07	Carmichael	8081A	6741
Toxaphene	86.0	mg/kg	40.0	100	1/ 8/03	1:07	Carmichael	8081A	6741
alpha-Chlordane	1.55	mg/kg	0.400	200	1/ 8/03	1:07	Carmichael	8081A	6741
gamma-Chlordane	2.28	mg/kg	0.400	200	1/ 8/03	1:07	Carmichael	8081A	6741
<b>*METALS*</b>									
Arsenic	6.82	mg/kg	1.16	1	1/ 2/03	10:00	C. Martin	6010B	8630

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A208006  
 Sample ID: CP4N 0-2  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
* Dry Weight	81.7	%			12/30/02	16:08	K. Keller	CLP	0633

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	EXTRACTED	EXTRACT VOL				
OC Past	29.8 gm	10.0 ml	12/30/02		W. Wicke	3550

### LABORATORY COMMENTS:

ND - Not detected at the report limit.  
 B - Analyte was detected in the method blank.  
 J - Estimated Value below Report Limit.  
 E - Estimated Value above the calibration limit of the instrument.  
 S - Recovery outside Laboratory historical or method prescribed limits.  
 All reported results for metals or organic analyses have been corrected for dry weight.  
 Pesticide surrogate diluted below detectable levels due to sample matrix. DDE results were >40% different between analytical columns.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A208007  
 Sample ID: CP4N 2-6  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHRIS MILLER

Date Collected: 12/17/02  
 Time Collected: 9:26  
 Date Received: 12/18/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	0.0842	ug/kg	0.0210	5	1/ 8/03	1:38	Carmichael	8081A	6741
Toxaphene	1.73	ug/kg	0.042	2	1/ 8/03	1:38	Carmichael	8081A	6741
<b>*METALS*</b>									
Arsenic	3.26	ug/kg	1.26	1	1/ 2/03	10:00	C. Martin	6010B	8630
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	79.1	%			12/30/02	16:00	K. Keller	CLP	8633

Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
OC Past	30.2 gm	10.0 ml		12/30/02		M. Rieck	3650

Surrogate	% Recovery	Target Range
pest surr-TMX	113.	48. - 132.
pest surr-DCB	130.	46. - 140.

sample report continued . . .

# Test America

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A208007

Sample ID: CP4N 2-6

Project: 37778-010-1400

Page 2

### LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

R - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A208008  
 Sample ID: CP4N 6-10  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHRIS MILLER

Date Collected: 12/17/02  
 Time Collected: 9:32  
 Date Received: 12/18/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	nil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	ND	J	ng/kg	0.0043	1	1/ 8/03	2:09	Carmichael	8081A 6741
Toxaphene	ND		ng/kg	0.438	1	1/ 8/03	2:09	Carmichael	8081A 6741
<b>*METALS*</b>									
Arsenic	2.56		ng/kg	1.29	1	1/ 2/03	10:00	C. Martin	6010B 8630
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	76.1					12/30/02	16:00	K. Keller	CLP 8633

Sample Extraction Data

Parameter	WC/VOL		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Past	29.7 g	10.0 ml	12/30/02		M. Ricks	3550

Surrogate	% Recovery	Target Range
pest surr-TCMX	100.	48. - 132.
pest surr-DCB	109.	46. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A208008  
Sample ID: CP4N 6-10  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

- ND - not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - W - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A208009  
Sample ID: CP59 0-2  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHRIS MILLER

Date Collected: 12/17/02  
Time Collected: 10:20  
Date Received: 12/18/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Aldrin	ND	ug/kg	0.0040	2	1/ 8/03	3:12	Carmichael	8081A	6741
p-PNC	0.0200	ug/kg	0.0040	2	1/ 8/03	3:12	Carmichael	8081A	6741
b-BHC	0.0382	ug/kg	0.0040	2	1/ 8/03	3:12	Carmichael	8081A	6741
d-BHC	0.0088	ug/kg	0.0040	2	1/ 8/03	3:12	Carmichael	8081A	6741
g-BHC, Lindane	ND	ug/kg	0.0040	2	1/ 8/03	3:12	Carmichael	8081A	6741
4,4'-DDD	0.135	ug/kg	0.0200	5	1/ 8/03	3:12	Carmichael	8081A	6741
4,4'-DDE	0.0728	ug/kg	0.0081	2	1/ 8/03	3:12	Carmichael	8081A	6741
4,4'-DDE	0.0337 B	ug/kg	0.0081	2	1/ 8/03	3:12	Carmichael	8081A	6741
Dieldrin	0.0184 BP	ug/kg	0.0081	2	1/ 8/03	3:12	Carmichael	8081A	6741
Endosulfan I	ND	ug/kg	0.0040	2	1/ 8/03	3:12	Carmichael	8081A	6741
Endosulfan II	ND	ug/kg	0.0040	2	1/ 8/03	3:12	Carmichael	8081A	6741
Endosulfan sulfate	ND	ug/kg	0.0081	2	1/ 8/03	3:12	Carmichael	8081A	6741
Endrin	ND	ug/kg	0.0081	2	1/ 8/03	3:12	Carmichael	8081A	6741
Endrin aldehyde	ND	ug/kg	0.0081	2	1/ 8/03	3:12	Carmichael	8081A	6741
Endrin ketone	ND	ug/kg	0.0081	2	1/ 8/03	3:12	Carmichael	8081A	6741
Heptachlor	ND	ug/kg	0.0040	2	1/ 8/03	3:12	Carmichael	8081A	6741
Heptachlor epoxide	ND	ug/kg	0.0040	2	1/ 8/03	3:12	Carmichael	8081A	6741
Methoxychlor	ND	ug/kg	0.0400	2	1/ 8/03	3:12	Carmichael	8081A	6741
Toxaphene	0.508	ug/kg	0.400	1	1/ 8/03	3:12	Carmichael	8081A	6741
alpha-Chlordane	ND	ug/kg	0.0040	2	1/ 8/03	3:12	Carmichael	8081A	6741
gamma-Chlordane	ND	ug/kg	0.0040	2	1/ 8/03	3:12	Carmichael	8081A	6741
<b>*METALS*</b>									
Arsenic	6.65	ug/kg	1.14	1	1/ 2/03	10:00	C. Martin	6010B	8630

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A208009

Sample ID: CP5S 0-2

Project: 37778-010-1400

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	83.2	%			12/30/02	16:00	K. Keller	CLP	8633

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Past	30.2 gm	10.0 ml	12/30/02		M. Ricks	3550

Surrogate	% Recovery	Target Range
pest surr-TOX	120.	48. - 132.
pest surr-DCB	136.	46. - 140.

### LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

\$ = Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Dieldrin results were >40% different between analytical columns.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A208010  
Sample ID: CP5S 2-6  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHRIS MILLER

Date Collected: 12/17/02  
Time Collected: 10:26  
Date Received: 12/18/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.327	ug/kg	0.0418	10	1/ 8/03	4:14	Carmichael	8081A	6741
Toxaphens	ND	ug/kg	0.418	1	1/ 8/03	4:14	Carmichael	8081A	6741
*METALS*									
Arsenic	5.74	ug/kg	1.19	1	1/ 2/03	10:00	C. Martin	6010B	8630
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	79.6	%			12/30/02	16:00	K. Keller	CLP	8633

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.1 gm	10.0 ml	12/30/02		M. Riecke	3650

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A208010  
Sample ID: CP58 2-6  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

ND - Not detected at the report limit.  
B - Analyte was detected in the method blank.  
J - Estimated Value below Report Limit.  
I - Estimated Value above the calibration limit of the instrument.  
# - Recovery outside Laboratory historical or method prescribed limits.  
All reported results for metals or Organic analyses have been corrected for dry weight.  
Pesticide surrogates diluted below detectable levels due to sample matrix.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A208011  
Sample ID: CP58 6-10  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHRIS MILLER

Date Collected: 12/17/02  
Time Collected: 10:31  
Date Received: 12/18/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Dieldrin	ND	ug/kg	0.0045	1	1/ 8/03	4:45	Carmichael	8081A	6741
Toxaphene	ND	ug/kg	0.451	1	1/ 8/03	4:45	Carmichael	8081A	6741
<b>*METALS*</b>									
Arsenic	4.29	ug/kg	1.34	1	1/ 2/03	10:00	C. Martin	6010B	8630
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	73.9	%			12/30/02	16:00	K. Keller	GLP	8630

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.6 gm	10.0 ml	12/30/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TCMX	132.	48. - 122.
pest surr-DCB	104.	46. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A208011  
Sample ID: CP55 6-10  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated value below Report Limit.
  - K - Estimated value above the calibration limit of the instrument.
  - \$ - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A208012  
Sample ID: CPSN 0-2  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHRIS MILLER

Date Collected: 12/17/02  
Time Collected: 10:41  
Date Received: 12/18/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Match
<b>*PESTICIDES/PCB's/HERBICIDES*</b>									
Aldrin	ND	ng/kg	0.424	200	1/ 8/03	5:16	Carmichael	8081A	6741
a-BHC	ND	ng/kg	0.424	200	1/ 8/03	5:16	Carmichael	8081A	6741
b-BHC	ND	ng/kg	0.424	200	1/ 8/03	5:16	Carmichael	8081A	6741
d-BHC	ND	ng/kg	0.424	200	1/ 8/03	5:16	Carmichael	8081A	6741
g-BHC, Lindane	ND	ng/kg	0.424	200	1/ 8/03	5:16	Carmichael	8081A	6741
4,4'-DDD	1.02	ng/kg	0.847	200	1/ 8/03	5:16	Carmichael	8081A	6741
4,4'-DDE	1.10	ng/kg	0.847	200	1/ 8/03	5:16	Carmichael	8081A	6741
4,4'-DDT	12.3	ng/kg	0.847	200	1/ 8/03	5:16	Carmichael	8081A	6741
Dieldrin	1.87	ng/kg	0.847	200	1/ 8/03	5:16	Carmichael	8081A	6741
Endosulfan I	ND	ng/kg	0.424	200	1/ 8/03	5:16	Carmichael	8081A	6741
Endosulfan II	ND	ng/kg	0.847	200	1/ 8/03	5:16	Carmichael	8081A	6741
Endosulfan sulfate	ND	ng/kg	0.847	200	1/ 8/03	5:16	Carmichael	8081A	6741
Endrin	ND	ng/kg	0.847	200	1/ 8/03	5:16	Carmichael	8081A	6741
Endrin aldehyde	ND	ng/kg	0.847	200	1/ 8/03	5:16	Carmichael	8081A	6741
Endrin Ketone	ND	ng/kg	0.847	200	1/ 8/03	5:16	Carmichael	8081A	6741
Heptachlor	ND	ng/kg	0.424	200	1/ 8/03	5:16	Carmichael	8081A	6741
Heptachlor epoxide	ND	ng/kg	0.424	200	1/ 8/03	5:16	Carmichael	8081A	6741
Methoxychlor	ND	ng/kg	4.24	200	1/ 8/03	5:16	Carmichael	8081A	6741
Toxaphene	47.8	ng/kg	21.1	50	1/ 8/03	5:16	Carmichael	8081A	6741
alpha-Chlordane	ND	ng/kg	0.424	200	1/ 8/03	5:16	Carmichael	8081A	6741
gamma-Chlordane	ND	ng/kg	0.424	200	1/ 8/03	5:16	Carmichael	8081A	6741
<b>*METALS*</b>									
Arsenic	79.1	ng/kg	1.27	1	1/ 2/03	10:00	C. Martin	6010B	8630

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A208012

Sample ID: CP5N 0-2

Project: 37778-010-1400

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	78.6	%			12/30/02	16:00	K. Keller	CLP	8633

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.1 gm	10.0 ml	12/30/02		M. Riche	2550

### LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analytes have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A208013  
 Sample ID: CPSN 2-6  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHRIS MILLER

Date Collected: 12/17/02  
 Time Collected: 10:46  
 Date Received: 12/18/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	ND	mg/kg	0.0043	1	1/ 7/03	12:29	Carmichael	8081A	6741
Toxaphene	ND	mg/kg	0.436	1	1/ 7/03	12:29	Carmichael	8081A	6741
<b>*METALS*</b>									
Arsenic	3.27	mg/kg	1.26	1	1/ 2/03	10:00	C. Martin	8010B	8630
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	76.4	%			12/30/02	16:00	K. Keller	CLP	8633

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/30/02		M. Ricks	3550

Surrogate	% Recovery	Target Range
pest surr-TOX	119.	48. - 132.
pest surr-DCB	113.	46. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A208013  
Sample ID: CP5N 2-6  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

- ND = Not detected at the report limit.
  - S = Analyte was detected in the method blank.
  - J = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - # = Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A208014  
 Sample ID: CP5N 6-10  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHRIS MILLER

Date Collected: 12/17/02  
 Time Collected: 10:55  
 Date Received: 12/18/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCS's/HERBICIDES*</b>									
Dieldrin	0.0102	ng/kg	0.0044	1	1/ 7/03	13:01	Carmichael	8081A	6741
Toxaphene	0.918 P	ng/kg	0.442	1	1/ 7/03	13:01	Carmichael	8081A	6741
<b>*METALS*</b>									
Arsenic	ND	ug/kg	1.27	1	1/ 2/03	10:00	C. Martin	6010B	8630
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	75.3	%			12/30/02	16:00	K. Kaller	CLP	8633

Sample Extraction Data

Parameter	Wt/vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	29.7 gB	10.0 ml	12/30/02		M. Rieke	3550

Surrogate	% Recovery	Target Range
pest surr-TCX	109.	48. - 132.
pest surr-DCB	102.	46. - 140.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A208014  
Sample ID: CP5N 6-10  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

**Appendix E**

**Area C Soil Boring Logs**

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028 **Log of Borehole: CP-1N**

**Project:** Red Panther

**Client:** Alston and Bird

**Enclosure:** 1

**Location:** Clarksdale, MS

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface is gravel and grass, bank of railroad track.
0.5		<b>Fill (0 - 2')</b> Topsoil, grass, organics.	0.5	1		
1		Dark gray/black very fine sandy silt.	1.5			
2		Layer of brownish-gray sand, no odor.	2.0			
3		<b>Silty Clay (CL-ML)</b> Firm, moist, brown/orange-brown.	3.0	2		Duplicate field sample taken at 0 - 2' interval (CP Dup 01).
4		Grades with more silt, soft, moist, no odor.	3.5			
5		<b>Clayey Silt (ML)</b> Brown/orange brown, soft, moist.	6.5			
6			8.0	3		
7		<b>Fat Clay (CH)</b> Very stiff, high plasticity, mottled gray and orange-brown, no odor.	8.0			
8		Water on core from 8 - 10' bgs.	10.0			Geo-probe terminated at 10' bgs.
9						
10						
11						
12						

**Drilled By:** W. L. Burle

**Hole Size:** 2"

**Drill Method:** Geo-Probe

**Datum:** Local

**Drill Date:** 12/16/02

**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: CP-1S**

Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE			SAMPLE		Remarks	
Depth - feet	Symbol	Description	Depth/Elev.	Number		Type: Composite
0		Ground Surface	0.0			Surface is gravel and grass, bank of railroad track. Note: changed first sample interval to 0 - 3' bgs due to poor recovery.
0 - 2.5		<b>Fill (0 - 2.5')</b> Topsoil, organics.	0.5	1		
1		Dark brown silty fine sand, trace of clay, organics.				
2		Layer of brownish-gray sand, no odor.	2.0			
2.5		<b>Silty Sand (SM)</b> Brown, very fine grained, dry, firm, packed, no odor.	2.5	2		
3		<b>Silty Clay (CL-ML)</b> Soft, moist, sticky, gray/ brown/orange-brown.	3.5			
4			5.0			
5		Grades with more clay, small, black gravel (1/4").	5.0	3		
6		<b>Fat Clay (CH)</b> Very stiff, high plasticity, mottled gray and orange-brown, no odor.	6.5			
7			8.0			
8		Water on core from 8 - 10' bgs.	8.0			
10			10.0			Geo-probe terminated at 10' bgs.
11						
12						

Drilled By: W. L. Burle  
 Drill Method: Geo-Probe  
 Drill Date: 12/16/02

Hole Size: 2"  
 Datum: Local  
 Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028 **Log of Borehole: CP-2N**

**Project:** Red Panther

**Client:** Alston and Bird

**Enclosure:** 1

**Location:** Clarksdale, MS

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE			SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number Type: Composite	
0		Ground Surface	0.0		Surface is gravel and grass, bank of railroad track.
0		<b>Fill (0 - 2')</b> Topsoil, grass, organics.	0.5	1	
1		Dark brown/black coarse sand with gravel, some clay, wet, no odor.			
2		<b>Silt (ML)</b> Firm, dark gray/dark brown, trace of clay, dry, no odor.	2.0	2	
3		<b>Silty Clay (CL-ML)</b> Soft, moist, grayish brown and orange-brown, medium plasticity.	3.0		
4					
5		Grades with increasing stiffness, more gray.	6.5	3	
6					
7					
8		<b>Fat Clay (CH)</b> Very stiff, high plasticity, mottled gray and orange-brown, some dark brown specks, no odor. Water on core at 8 - 10' bgs.	7.0		
9					
10			10.0		Geo-probe terminated at 10' bgs.
11					
12					

**Drilled By:** W. L. Burle

**Hole Size:** 2"

**Drill Method:** Geo-Probe

**Datum:** Local

**Drill Date:** 12/16/02

**Sheet:** 1 of 1



**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028 **Log of Borehole: CP-2S**












**Project:** Red Panther

**Client:** Alston and Bird

**Location:** Clarksdale, MS

**Enclosure:** 1

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE			SAMPLE		Remarks	
Depth - feet	Symbol	Description	Depth/Elev.	Number		Type: Composite
0		Ground Surface	0.0			Surface is gravel and grass, bank of railroad track. Note: changed first sample interval to 0 - 3' bgs due to poor recovery.
0 - 2.5		<b>Fill (0 - 2.5')</b> Topsoil, grass, organics.	0.5	1		
1 - 2		Dark brown sand and gravel, asphalt pieces, light brown /gray residue mixed with gravel at 2' bgs, some odor.				
2 - 2.5		<b>Clayey Silt (ML)</b> Dark gray/dark brown/black, dry, firm.	2.5			
3 - 3.5		<b>Silty Clay (CL-ML)</b> Soft, brownish gray and orange-brown, medium plasticity.	3.5	2		
4 - 6		Grades with increasing stiffness, dark brown organic stringers.	6.0			
6 - 7		<b>Fat Clay (CH)</b> Very stiff, high plasticity, mottled gray and orange-brown, no odor.	7.0	3		
7 - 8						
8 - 10						
10			10.0			Geo-probe terminated at 10' bgs.
11						
12						

**Drilled By:** W. L. Burle

**Drill Method:** Geo-Probe

**Drill Date:** 12/16/02

**Hole Size:** 2"

**Datum:** Local

**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028 **Log of Borehole: CP-3N**




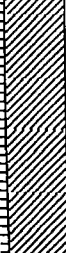



Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE			SAMPLE		Remarks	
Depth - feet	Symbol	Description	Depth/Elev.	Number		Type: Composite
0		Ground Surface	0.0			Surface is gravel and grass, bank of railroad track. Note: changed first sample interval to 0 - 3' bgs due to poor recovery.
0 - 2.5		<b>Fill (0 - 2.5')</b> Dark brown and black sand with small gravel, moist, strong odor.		1		
2 - 2.5		Grades with dark brown/dark gray clayey silt	2.0			
2.5 - 3.0		<b>Silty Sand (SM)</b> Very fine, brown, moist, strong odor.	2.5			
3.0 - 6.5		<b>Silty Clay (CL-ML)</b> Soft, moist, mottled gray and brown, low plasticity, grades with increasing clay.	3.0	2		
5.0 - 6.5		Grades wet, mostly gray clay/silt mixture.	5.0			
6.5 - 8.0		<b>Fat Clay (CH)</b> Very stiff, high plasticity, mottled gray and orange-brown, some odor.	6.5			
8.0 - 10.0		Water on core from 8 - 10' bgs.	8.0	3		
10.0			10.0			
11						
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/17/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: CP-3S**





Project: Red Panther

Client: Alston and Bird

Enclosure: 1

Location: Clarksdale, MS

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks	
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite		
0		Ground Surface	0.0			Surface is gravel and grass, bank of railroad track.	
0 - 1.5		<b>Fill (0 - 1.5')</b> Dark brown sandy silt, small gravel, some black organics. Some discoloration (brown/gray powder), with odor at 1' bgs.	1.5	1			
1.5 - 3.0		<b>Sandy Silt (ML)</b> Firm, very fine, brown, dry, some odor.	3.0				
3.0 - 6.5		<b>Silty Clay (CL-ML)</b> Soft, moist, mottled gray and brown, low plasticity.	6.5	2			
6.5 - 10.0		<b>Fat Clay (CH)</b> Very stiff, high plasticity, mottled gray and orange-brown, no odor.	10.0	3			
10.0							Geo-probe terminated at 10' bgs.
11							
12							

Drilled By: W. L. Burle

Hole Size: 2"

Drill Method: Geo-Probe

Datum: Local

Drill Date: 12/16/02

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028 **Log of Borehole: CP-4N**

**Project:** Red Panther

**Client:** Alston and Bird

**Location:** Clarksdale, MS

**Enclosure:** 1

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface is tall grass, bank of railroad track.
0 - 1.5		<b>Fill (0 - 1.5')</b> Grass and light brown clay, small gravel, dark brown and black sand/silt mix, wet, slight odor.	1.5	1		
1.5 - 3.5		<b>Clayey Silt (ML)</b> Trace of very fine sand, dark brown/dark gray, firm, dry, slight odor.  Grades mottled grayish brown and orange.	3.5	2		
3.5 - 5.0		Grades with more fine sand, dark brown organic layering.	5.0			
5.0 - 6.0		<b>Silty Sand (SM)</b> Trace of clay, brown/gray/orange, no odor.	6.0			Took MS/MSD samples at 6 - 10' interval.
6.0 - 7.0		Grades olive-gray.	7.0			
7.0 - 8.0		<b>Silty Clay (ML)</b> Gray, with some fine sand, very wet, flowing.	8.0	3		
8.0 - 9.5		<b>Lean Clay (CL)</b> Stiff, gray and orange-brown.	9.5			
9.5 - 10.0			10.0			Geo-probe terminated at 10' bgs.
10 - 11						
11 - 12						

**Drilled By:** W. L. Burle

**Drill Method:** Geo-Probe

**Drill Date:** 12/17/02

**Hole Size:** 2"

**Datum:** Local

**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: CP-4S**

Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE			SAMPLE		Remarks	
Depth - feet	Symbol	Description	Depth/Elev.	Number		Type: Composite
0		Ground Surface	0.0			Surface is gravel and grass, bank of railroad track.
0.5		<b>Fill (0 - 1.5')</b> Grass and topsoil.	0.5	1		
1		Dark brown and black sand with small (1/4") gravel, moist to wet.	1.5			
2		<b>Sandy Silt (ML)</b> Very fine, dark brown/orange-brown, firm, dry to moist, slight odor.	2.5			
3		<b>Silty Clay (CL-ML)</b> Grades to mottled grayish brown and orange, medium plasticity.		2		Duplicate field sample taken at 0 - 2' interval (CP Dup 02).
4			5.5			
5		Grades with more gray, orange mottling.				
6			7.5	3		
7		Grades firm.				
8		Zone of very wet, flowing, brown clay/silt mix.	8.0			
9		<b>Fat Clay (CH)</b> Very stiff, high plasticity, mottled gray and brown, no odor.	9.0			
10			10.0			Geo-probe terminated at 10' bgs.
11						
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/17/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028 **Log of Borehole: CP-5N**












**Project:** Red Panther

**Client:** Alston and Bird

**Location:** Clarksdale, MS

**Enclosure:** 1

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks	
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite		
0		<b>Fill (0 - 1.5')</b> Large gravel (1 - 6"), dark brown and black sand/silt mix, wet, slight odor.	0.0	1		Surface is hard-packed gravel and sand, bank of railroad track.	
1		<b>Silty Clay (CL-ML)</b> Dark greenish gray, firm, moist, slight odor.	1.5				
2		<b>Clayey Silt (ML)</b> Trace of very fine sand, olive gray and dark gray, soft, moist, slight odor.	3.5	2			
3		Sand grades out, grades with dark gray streaks.	6.0				
4		<b>Lean Clay (CL)</b> Soft, moist, with silt, greenish gray, low plasticity.	6.5	3			
5		Grades with brown mottling.	8.0				
6		<b>Fat Clay (CH)</b> Stiff, high plasticity, brown/gray/orange-brown.	9.0				
7			10.0				Geo-probe terminated at 10' bgs.
8							
9							
10							
11							
12							

**Drilled By:** W. L. Burle

**Drill Method:** Geo-Probe

**Drill Date:** 12/17/02

**Hole Size:** 2"

**Datum:** Local

**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028 **Log of Borehole: CP-5S**

Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE			SAMPLE		Remarks		
Depth - feet	Symbol	Description	Depth/Elev.	Number		Type: Composite	
0		Ground Surface	0.0			Surface is gravel and grass, bank of railroad track.	
0 - 1.5		<b>Fill (0 - 1.5')</b> Grass and topsoil, underlain by layer of brown clay. Dark brown and black sand with small (1/4") gravel, wet, no odor.	1.5	1			
1.5 - 2.5		<b>Sandy Silt (ML)</b> Very fine, dark brownish gray, firm, no plasticity, no odor.	2.5				
2.5 - 3.0		Clay lens, olive gray/dark gray, firm, plastic.	3.0				
3.0 - 6.0		<b>Clayey Silt (ML)</b> Trace of very fine sand, olive gray and dark gray, soft, moist, slight odor.	6.0	2			
6.0 - 7.5		Grades with more clay, soft.	7.5				
7.5 - 8.0		<b>Lean Clay (CL)</b> Firm, mottled gray, dark brown, and orange, no odor.	8.0	3			
8.0 - 10.0			10.0				
10.0							Geo-probe terminated at 10' bgs.
11							
12							

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/17/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**Appendix F**

**Area D Soil Sample Analytical Data**



TEST AMERICA INC  
 2960 Foster Creighton Drive  
 Nashville, Tennessee 37204

ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
 BRENT JACOBS  
 5900 HINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A203720

Sample ID: DGLE 0-2

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 14:05

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.0020	1	12/24/02	2:59	Carmichael	8081A	265
a-BHC	0.0135	mg/kg	0.0020	1	12/24/02	2:59	Carmichael	8081A	265
b-BHC	0.0190	mg/kg	0.0020	1	12/24/02	2:59	Carmichael	8081A	265
d-BHC	ND	mg/kg	0.0020	1	12/24/02	2:59	Carmichael	8081A	265
g-BHC, Lindane	0.0373	mg/kg	0.0020	1	12/24/02	2:59	Carmichael	8081A	265
4,4'-DDD	ND	mg/kg	0.0039	1	12/24/02	2:59	Carmichael	8081A	265
4,4'-DDE	ND	mg/kg	0.0039	1	12/24/02	2:59	Carmichael	8081A	265
4,4'-DDT	ND	mg/kg	0.0039	1	12/24/02	2:59	Carmichael	8081A	265
Dieldrin	ND	mg/kg	0.0039	1	12/24/02	2:59	Carmichael	8081A	265
Endosulfan I	ND	mg/kg	0.0020	1	12/24/02	2:59	Carmichael	8081A	265
Endosulfan II	ND	mg/kg	0.0039	1	12/24/02	2:59	Carmichael	8081A	265
Endosulfan sulfate	ND	mg/kg	0.0039	1	12/24/02	2:59	Carmichael	8081A	265
Endrin	ND	mg/kg	0.0039	1	12/24/02	2:59	Carmichael	8081A	265
Endrin aldehyde	ND	mg/kg	0.0039	1	12/24/02	2:59	Carmichael	8081A	265
Endrin Ketone	ND	mg/kg	0.0039	1	12/24/02	2:59	Carmichael	8081A	265
Heptachlor	ND	mg/kg	0.0020	1	12/24/02	2:59	Carmichael	8081A	265
Heptachlor epoxide	ND	mg/kg	0.0020	1	12/24/02	2:59	Carmichael	8081A	265
Methoxychlor	ND	mg/kg	0.0198	1	12/24/02	2:59	Carmichael	8081A	265
Toxaphene	ND	mg/kg	0.396	1	12/24/02	2:59	Carmichael	8081A	265
alpha-Chlordane	ND	mg/kg	0.0020	1	12/24/02	2:59	Carmichael	8081A	265
gamma-Chlordane	ND	mg/kg	0.0020	1	12/24/02	2:59	Carmichael	8081A	265
<b>*METALS*</b>									
Arsenic	5.93	mg/kg	1.19	1	12/16/02	15:04	C.Johnson	6010B	3789
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	84.0	%			12/18/02	16:30	K. Keller	CLP	3781

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A203720

Sample ID: DGIE 0-2

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 14:05

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.3 gm	10.0 ml	12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	72.	48. - 132.
pest surr-DCB	91.	46. - 140.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDHARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203721

Sample ID: DGLE 2-6

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 14:10

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0042	1	12/24/02	4:26	Carmichael	8081A	265
Toxaphene	ND	mg/kg	0.426	1	12/24/02	4:26	Carmichael	8081A	265
*METALS*									
Arsenic	8.58	mg/kg	1.27	1	12/16/02	15:04	C.Johnson	6010B	3789
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	78.2	%			12/18/02	16:30	K. Keller	CLP	3781

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.4 gm	10.0 ml	12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	84.	48. - 132.
pest surr-DCB	88.	46. - 140.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A203721

Sample ID: DGLE 2-6

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 14:10

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203722

Sample ID: DGI-E 6-10

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 14:25

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	ND	mg/kg	0.0046	1	12/24/02	4:55	Carmichael	8081A	265
Toxaphene	ND	mg/kg	0.465	1	12/24/02	4:55	Carmichael	8081A	265
<b>*METALS*</b>									
Arsenic	8.83	mg/kg	1.38	1	12/16/02	15:04	C.Johnson	6010B	3789
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	71.6	%			12/18/02	16:30	K. Keller	CLP	3781

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	88.	48. - 132.
pest surr-DCB	92.	46. - 140.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A203722

Sample ID: DGLE 6-10

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 14:25

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

## TEST AMERICA INC

## ANALYTICAL REPORT

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203717

Sample ID: DGLF 0-2

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 13:45

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.0947	50	12/24/02	1:04	Carmichael	8081A	265
a-BHC	0.151	mg/kg	0.0947	50	12/24/02	1:04	Carmichael	8081A	265
b-BHC	0.681	mg/kg	0.0947	50	12/24/02	1:04	Carmichael	8081A	265
d-BHC	ND	mg/kg	0.0947	50	12/24/02	1:04	Carmichael	8081A	265
g-BHC, Lindane	ND	mg/kg	0.0947	50	12/24/02	1:04	Carmichael	8081A	265
4,4'-DDD	ND	mg/kg	0.189	50	12/24/02	1:04	Carmichael	8081A	265
4,4'-DDE	1.79	mg/kg	0.189	50	12/24/02	1:04	Carmichael	8081A	265
4,4'-DDT	4.93	mg/kg	0.758	200	12/24/02	1:04	Carmichael	8081A	265
Dieldrin	0.455	mg/kg	0.189	50	12/24/02	1:04	Carmichael	8081A	265
Endosulfan I	ND	mg/kg	0.0947	50	12/24/02	1:04	Carmichael	8081A	265
Endosulfan II	ND	mg/kg	0.189	50	12/24/02	1:04	Carmichael	8081A	265
Endosulfan sulfate	ND	mg/kg	0.189	50	12/24/02	1:04	Carmichael	8081A	265
Endrin	ND	mg/kg	0.189	50	12/24/02	1:04	Carmichael	8081A	265
Endrin aldehyde	ND	mg/kg	0.189	50	12/24/02	1:04	Carmichael	8081A	265
Endrin Ketone	ND	mg/kg	0.189	50	12/24/02	1:04	Carmichael	8081A	265
Heptachlor	ND	mg/kg	0.0947	50	12/24/02	1:04	Carmichael	8081A	265
Heptachlor epoxide	ND	mg/kg	0.0947	50	12/24/02	1:04	Carmichael	8081A	265
Methoxychlor	ND	mg/kg	0.947	50	12/24/02	1:04	Carmichael	8081A	265
Toxaphene	19.7	mg/kg	3.79	10	12/24/02	1:04	Carmichael	8081A	265
alpha-Chlordane	ND	mg/kg	0.0947	50	12/24/02	1:04	Carmichael	8081A	265
gamma-Chlordane	ND	mg/kg	0.0947	50	12/24/02	1:04	Carmichael	8081A	265
<b>*METALS*</b>									
Arsenic	5.18	mg/kg	1.13	1	12/16/02	15:04	C.Johnson	6010B	3789
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	87.9	%			12/18/02	16:30	K. Keller	CLP	3781

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A203717

Sample ID: DGIW 0-2

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 13:45

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/19/02		M. Ricke	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.



TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A203718

Sample ID: DGIW 2-6

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 13:50

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.197	mg/kg	0.0211	5	12/24/02	2:02	Carmichael	8081A	265
Toxaphene	9.94	mg/kg	2.11	5	12/24/02	2:02	Carmichael	8081A	265
*METALS*									
Arsenic	8.13	mg/kg	1.27	1	12/16/02	15:04	C.Johnson	6010B	3789
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	78.6	%			12/18/02	16:30	K. Keller	CLP	3781

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.7 gm	10.0 ml	12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	96.	48. - 132.
pest surr-DCB	117.	46. - 140.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A203718

Sample ID: DGLV 2-6

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 13:50

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

/ - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
 2960 Foster Creighton Drive  
 Nashville, Tennessee 37204

ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A203719

Sample ID: DGIW 6-10

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 14:00

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.0058	mg/kg	0.0044	1	12/24/02	2:30	Carmichael	8081A	265
Toxaphene	ND	mg/kg	0.448	1	12/24/02	2:30	Carmichael	8081A	265
*METALS*									
Arsenic	8.43	mg/kg	1.32	1	12/16/02	15:04	C. Johnson	6010B	3789
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	74.4	%			12/18/02	16:30	K. Keller	CLP	3781

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	94.	48. - 132.
pest surr-DCB	100.	46. - 140.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY, STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203719

Sample ID: DGIW 6-10

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 14:00

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - # - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A207209

Sample ID: DGI-SC

Date Collected: 12/15/02

Project: 37778-010-1400

Time Collected: 8:35

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.985	500	12/30/02	21:10	Carmichael	8081A	5448
a-BHC	ND	mg/kg	0.985	500	12/30/02	21:10	Carmichael	8081A	5448
b-BHC	25.4	mg/kg	0.985	500	12/30/02	21:10	Carmichael	8081A	5448
d-BHC	ND	mg/kg	0.985	500	12/30/02	21:10	Carmichael	8081A	5448
g-BHC, Lindane	ND	mg/kg	0.985	500	12/30/02	21:10	Carmichael	8081A	5448
4,4'-DDD	29.3	mg/kg	1.96	500	12/30/02	21:10	Carmichael	8081A	5448
4,4'-DDE	16.6	mg/kg	1.96	500	12/30/02	21:10	Carmichael	8081A	5448
4,4'-DDT	95.6	mg/kg	9.85	2500	12/30/02	21:10	Carmichael	8081A	5448
Dieldrin	10.8	mg/kg	1.96	500	12/30/02	21:10	Carmichael	8081A	5448
Endosulfan I	ND	mg/kg	0.985	500	12/30/02	21:10	Carmichael	8081A	5448
Endosulfan II	ND	mg/kg	1.96	500	12/30/02	21:10	Carmichael	8081A	5448
Endosulfan sulfate	ND	mg/kg	1.96	500	12/30/02	21:10	Carmichael	8081A	5448
Endrin	ND	mg/kg	1.96	500	12/30/02	21:10	Carmichael	8081A	5448
Endrin aldehyde	ND	mg/kg	1.96	500	12/30/02	21:10	Carmichael	8081A	5448
Endrin Ketone	ND	mg/kg	1.96	500	12/30/02	21:10	Carmichael	8081A	5448
Heptachlor	ND	mg/kg	0.985	500	12/30/02	21:10	Carmichael	8081A	5448
Heptachlor epoxide	ND	mg/kg	0.985	500	12/30/02	21:10	Carmichael	8081A	5448
Methoxychlor	ND	mg/kg	9.85	500	12/30/02	21:10	Carmichael	8081A	5448
Toxaphene	280.	mg/kg	78.8	200	12/30/02	21:10	Carmichael	8081A	5448
alpha-Chlordane	ND	mg/kg	0.985	500	12/30/02	21:10	Carmichael	8081A	5448
gamma-Chlordane	ND	mg/kg	0.985	500	12/30/02	21:10	Carmichael	8081A	5448
<b>*METALS*</b>									
Arsenic	4.54	mg/kg	1.14	1	12/31/02	13:08	C. Martin	6010B	7686
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	84.5	%			12/23/02	15:30	K. Keller	CLP	7718

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## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207209

Sample ID: DGI-SC

Date Collected: 12/15/02

Project: 37778-010-1400

Time Collected: 8:35

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/27/02		M. Cauthen	3550

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203723

Sample ID: DG2N 0-2

Date Collected: 12/10/02

Project: 37775-010-1400

Time Collected: 14:35

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Aldrin	ND	mg/kg	0.0040	2	12/24/02	5:24	Carmichael	8081A	265
a-BHC	ND	mg/kg	0.0040	2	12/24/02	5:24	Carmichael	8081A	265
b-BHC	0.0357	mg/kg	0.0040	2	12/24/02	5:24	Carmichael	8081A	265
d-BHC	ND	mg/kg	0.0040	2	12/24/02	5:24	Carmichael	8081A	265
g-BHC, Lindane	ND	mg/kg	0.0040	2	12/24/02	5:24	Carmichael	8081A	265
4,4'-DDD	0.0973	mg/kg	0.0082	2	12/24/02	5:24	Carmichael	8081A	265
4,4'-DDE	0.0333	mg/kg	0.0082	2	12/24/02	5:24	Carmichael	8081A	265
4,4'-DDT	0.0990	mg/kg	0.0082	2	12/24/02	5:24	Carmichael	8081A	265
Dieldrin	0.0933	mg/kg	0.0082	2	12/24/02	5:24	Carmichael	8081A	265
Endosulfan I	ND	mg/kg	0.0040	2	12/24/02	5:24	Carmichael	8081A	265
Endosulfan II	ND	mg/kg	0.0082	2	12/24/02	5:24	Carmichael	8081A	265
Endosulfan sulfate	ND	mg/kg	0.0082	2	12/24/02	5:24	Carmichael	8081A	265
Endrin	ND	mg/kg	0.0082	2	12/24/02	5:24	Carmichael	8081A	265
Endrin aldehyde	ND	mg/kg	0.0082	2	12/24/02	5:24	Carmichael	8081A	265
Endrin Ketone	ND	mg/kg	0.0082	2	12/24/02	5:24	Carmichael	8081A	265
Heptachlor	ND	mg/kg	0.0040	2	12/24/02	5:24	Carmichael	8081A	265
Heptachlor epoxide	ND	mg/kg	0.0040	2	12/24/02	5:24	Carmichael	8081A	265
Methoxychlor	ND	mg/kg	0.0406	2	12/24/02	5:24	Carmichael	8081A	265
Toxaphene	2.06	mg/kg	0.811	2	12/24/02	5:24	Carmichael	8081A	265
alpha-Chlordane	ND	mg/kg	0.0040	2	12/24/02	5:24	Carmichael	8081A	265
gamma-Chlordane	ND	mg/kg	0.0040	2	12/24/02	5:24	Carmichael	8081A	265
*METALS*									
Arsenic	8.12	mg/kg	1.16	1	12/16/02	15:04	C.Johnson	6010B	3789
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	82.1	%			12/18/02	16:30	K. Keller	CLP	3781

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## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A203723

Sample ID: DG2N 0-2

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 14:35

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.7 gm	10.0 ml	12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOM	82.	48. - 132.
pest surr-DCB	92.	46. - 140.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide DDT result >40% different between analytical columns.



TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203724

Sample ID: DG2N 2-6

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 14:40

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	0.446	mg/kg	0.0417	10	12/24/02	5:53	Carmichael	8081A	265
Toxaphene	7.02	mg/kg	2.08	5	12/24/02	5:53	Carmichael	8081A	265
<b>*METALS*</b>									
Arsenic	6.20	mg/kg	1.19	1	12/16/02	15:04	C.Johnson	6010B	3789
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	79.9	%			12/18/02	16:30	K. Keller	CLP	3781

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/19/02		M. Ricke	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

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2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDHARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A203725

Sample ID: DG2N 6-10

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 14:55

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0044	1	12/24/02	6:22	Carmichael	8081A	265
Toxaphene	ND	mg/kg	0.445	1	12/24/02	6:22	Carmichael	8081A	265
*METALS*									
Arsenic	8.44	mg/kg	1.28	1	12/16/02	15:04	C.Johnson	6010B	3789
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	74.9	%			12/18/02	16:30	K. Keller	CLP	3781

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.7 gm	10.0 ml	12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	86.	48. - 132.
pest surr-DCB	90.	46. - 140.

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2960 Foster Creighton Drive  
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## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A203725

Sample ID: DG2N 6-10

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 14:55

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203726

Sample ID: DG2S 0-2

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 15:10

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.0039	2	12/24/02	6:51	Carmichael	8081A	265
a-BHC	0.0164	mg/kg	0.0039	2	12/24/02	6:51	Carmichael	8081A	265
b-BHC	0.0287	mg/kg	0.0039	2	12/24/02	6:51	Carmichael	8081A	265
d-BHC	ND	mg/kg	0.0039	2	12/24/02	6:51	Carmichael	8081A	265
g-BHC, Lindane	0.0155	mg/kg	0.0039	2	12/24/02	6:51	Carmichael	8081A	265
4,4'-DDD	0.0241	mg/kg	0.0078	2	12/24/02	6:51	Carmichael	8081A	265
4,4'-DDE	0.0102	mg/kg	0.0078	2	12/24/02	6:51	Carmichael	8081A	265
4,4'-DDT	0.0537	mg/kg	0.0078	2	12/24/02	6:51	Carmichael	8081A	265
Dieldrin	0.0342	mg/kg	0.0078	2	12/24/02	6:51	Carmichael	8081A	265
Endosulfan I	ND	mg/kg	0.0039	2	12/24/02	6:51	Carmichael	8081A	265
Endosulfan II	ND	mg/kg	0.0078	2	12/24/02	6:51	Carmichael	8081A	265
Endosulfan sulfate	ND	mg/kg	0.0078	2	12/24/02	6:51	Carmichael	8081A	265
Endrin	ND	mg/kg	0.0078	2	12/24/02	6:51	Carmichael	8081A	265
Endrin aldehyde	ND	mg/kg	0.0078	2	12/24/02	6:51	Carmichael	8081A	265
Endrin Ketone	ND	mg/kg	0.0078	2	12/24/02	6:51	Carmichael	8081A	265
Heptachlor	ND	mg/kg	0.0039	2	12/24/02	6:51	Carmichael	8081A	265
Heptachlor epoxide	ND	mg/kg	0.0039	2	12/24/02	6:51	Carmichael	8081A	265
Methoxychlor	ND	mg/kg	0.0389	2	12/24/02	6:51	Carmichael	8081A	265
Toxaphene	ND	mg/kg	0.778	2	12/24/02	6:51	Carmichael	8081A	265
alpha-Chlordane	ND	mg/kg	0.0039	2	12/24/02	6:51	Carmichael	8081A	265
gamma-Chlordane	ND	mg/kg	0.0039	2	12/24/02	6:51	Carmichael	8081A	265
<b>*METALS*</b>									
Arsenic	7.06	mg/kg	1.13	1	12/16/02	15:04	C. Johnson	6010B	3789
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	85.6	%			12/18/02	16:30	K. Keller	CLP	3781

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2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A203726

Sample ID: DG2S 0-2

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 15:10

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.6 gm	10.0 ml	12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOM	84.	48. - 132.
pest surr-DCB	100.	46. - 140.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A203727

Sample ID: DG2S 2-6

Date Collected: 12/10/02

Project: 3778-010-1400

Time Collected: 15:15

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.0298	mg/kg	0.0042	1	12/24/02	7:20	Carmichael	8081A	265
Toxaphene	ND	mg/kg	0.420	1	12/24/02	7:20	Carmichael	8081A	265
*METALS*									
Arsenic	5.51	mg/kg	1.25	1	12/16/02	15:04	C.Johnson	6010B	3789
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	79.3	%			12/18/02	16:30	K. Keller	CLP	3781

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.4 gm	10.0 ml	12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TQM1	82.	48. - 132.
pest surr-DCB	100.	46. - 140.

## TEST AMERICA INC

## ANALYTICAL REPORT

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A203727

Sample ID: DG2S 2-6

Date Collected: 12/10/02

Project: 37776-010-1400

Time Collected: 15:15

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A203728

Sample ID: DG2S 6-10

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 15:25

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Dieldrin	0.0137	mg/kg	0.0047	1	12/24/02	7:48	Carmichael	8081A	265
Toxaphene	ND	mg/kg	0.470	1	12/24/02	7:48	Carmichael	8081A	265
*METALS*									
Arsenic	11.0	mg/kg	1.34	1	12/16/02	15:04	C.Johnson	6010B	3789
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	70.9	%			12/18/02	16:30	K. Keller	CLP	3781

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.6 gm	10.0 ml	12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	82.	48. - 132.
pest surr-DCB	92.	46. - 140.



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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203728

Sample ID: DG2S 6-10

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 15:25

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

## TEST AMERICA INC

## ANALYTICAL REPORT

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207210

Sample ID: DG2-SC

Date Collected: 12/15/02

Project: 37778-010-1400

Time Collected: 9:12

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.986	500	12/30/02	21:39	Carmichael	8081A	5448
a-BHC	ND	mg/kg	0.986	500	12/30/02	21:39	Carmichael	8081A	5448
b-BHC	ND	mg/kg	0.986	500	12/30/02	21:39	Carmichael	8081A	5448
d-BHC	ND	mg/kg	0.986	500	12/30/02	21:39	Carmichael	8081A	5448
g-BHC, Lindane	ND	mg/kg	0.986	500	12/30/02	21:39	Carmichael	8081A	5448
4,4'-DDD	3.74	mg/kg	1.97	500	12/30/02	21:39	Carmichael	8081A	5448
4,4'-DDE	ND	mg/kg	1.97	500	12/30/02	21:39	Carmichael	8081A	5448
4,4'-DDT	15.2	mg/kg	1.97	500	12/30/02	21:39	Carmichael	8081A	5448
Dieldrin	6.11	mg/kg	1.97	500	12/30/02	21:39	Carmichael	8081A	5448
Endosulfan I	ND	mg/kg	0.986	500	12/30/02	21:39	Carmichael	8081A	5448
Endosulfan II	ND	mg/kg	1.97	500	12/30/02	21:39	Carmichael	8081A	5448
Endosulfan sulfate	ND	mg/kg	1.97	500	12/30/02	21:39	Carmichael	8081A	5448
Endrin	ND	mg/kg	1.97	500	12/30/02	21:39	Carmichael	8081A	5448
Endrin aldehyde	ND	mg/kg	1.97	500	12/30/02	21:39	Carmichael	8081A	5448
Endrin Ketone	ND	mg/kg	1.97	500	12/30/02	21:39	Carmichael	8081A	5448
Heptachlor	ND	mg/kg	0.986	500	12/30/02	21:39	Carmichael	8081A	5448
Heptachlor epoxide	ND	mg/kg	0.986	500	12/30/02	21:39	Carmichael	8081A	5448
Methoxychlor	ND	mg/kg	9.86	500	12/30/02	21:39	Carmichael	8081A	5448
Toxaphene	167.	mg/kg	39.5	100	12/30/02	21:39	Carmichael	8081A	5448
alpha-Chlordane	ND	mg/kg	0.986	500	12/30/02	21:39	Carmichael	8081A	5448
gamma-Chlordane	ND	mg/kg	0.986	500	12/30/02	21:39	Carmichael	8081A	5448
<b>*METALS*</b>									
Arsenic	3.98	mg/kg	1.17	1	12/31/02	13:08	C. Martin	6010B	7686
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	84.4	%			12/23/02	15:30	K. Keller	CLP	7718

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## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207210

Sample ID: DG2-SC

Date Collected: 12/15/02

Project: 37778-010-1400

Time Collected: 9:12

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.5 gm	10.0 ml	12/27/02		M. Cauthen	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to

sample matrix. 4,4'DDT result shows >40% difference

between channels.

TEST AMERICA INC  
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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203732

Sample ID: DG3E 0-2

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 16:00

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	mg/kg	0.0020	1	12/24/02	11:10	Carmichael	8081A	265
a-BHC	0.0062	mg/kg	0.0020	1	12/24/02	11:10	Carmichael	8081A	265
b-BHC	ND	mg/kg	0.0020	1	12/24/02	11:10	Carmichael	8081A	265
d-BHC	ND	mg/kg	0.0020	1	12/24/02	11:10	Carmichael	8081A	265
g-BHC, Lindane	0.0062	mg/kg	0.0020	1	12/24/02	11:10	Carmichael	8081A	265
4,4'-DDD	0.0287	mg/kg	0.0038	1	12/24/02	11:10	Carmichael	8081A	265
4,4'-DDE	0.0392	mg/kg	0.0038	1	12/24/02	11:10	Carmichael	8081A	265
4,4'-DDT	0.0462	mg/kg	0.0038	1	12/24/02	11:10	Carmichael	8081A	265
Dieldrin	0.252	mg/kg	0.0388	10	12/24/02	11:10	Carmichael	8081A	265
Endosulfan I	ND	mg/kg	0.0020	1	12/24/02	11:10	Carmichael	8081A	265
Endosulfan II	ND	mg/kg	0.0038	1	12/24/02	11:10	Carmichael	8081A	265
Endosulfan sulfate	ND	mg/kg	0.0038	1	12/24/02	11:10	Carmichael	8081A	265
Endrin	0.0128	mg/kg	0.0038	1	12/24/02	11:10	Carmichael	8081A	265
Endrin aldehyde	ND	mg/kg	0.0038	1	12/24/02	11:10	Carmichael	8081A	265
Endrin Ketone	0.0066	mg/kg	0.0038	1	12/24/02	11:10	Carmichael	8081A	265
Heptachlor	ND	mg/kg	0.0020	1	12/24/02	11:10	Carmichael	8081A	265
Heptachlor epoxide	ND	mg/kg	0.0020	1	12/24/02	11:10	Carmichael	8081A	265
Methoxychlor	ND	mg/kg	0.0193	1	12/24/02	11:10	Carmichael	8081A	265
Toxaphene	1.40	mg/kg	0.388	1	12/24/02	11:10	Carmichael	8081A	265
alpha-Chlordane	ND	mg/kg	0.0020	1	12/24/02	11:10	Carmichael	8081A	265
gamma-Chlordane	ND	mg/kg	0.0020	1	12/24/02	11:10	Carmichael	8081A	265
*METALS*									
Arsenic	3.40	mg/kg	1.13	1	12/16/02	15:04	C.Johnson	6010B	3789
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	85.8	%			12/18/02	16:30	K. Keller	CLP	3781

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203732

Sample ID: DG3E 0-2

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 16:00

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.3 gm	10.0 ml	12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	83.	48. - 132.
pest surr-DCB	84.	46. - 140.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203733

Sample ID: DG3E 2-6

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 16:05

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.0276	mg/kg	0.0041	1	12/24/02	12:08	Carmichael	8081A	265
Toxaphene	ND	mg/kg	0.412	1	12/24/02	12:08	Carmichael	8081A	265
*METALS*									
Arsenic	6.27	mg/kg	1.20	1	12/16/02	15:04	C.Johnson	6010B	3789
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	80.9	%			12/18/02	16:30	K. Keller	CLP	3781

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	80.	48. - 132.
pest surr-DCB	88.	46. - 140.

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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203733

Sample ID: DG3E 2-6

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 16:05

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
 2960 Foster Creighton Drive  
 Nashville, Tennessee 37204

ANALYTICAL REPORT

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URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A203734

Sample ID: DG3E 6-10

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 16:15

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	ND	mg/kg	0.0046	1	12/24/02	12:37	Carmichael	8081A	265
Toxaphene	ND	mg/kg	0.465	1	12/24/02	12:37	Carmichael	8081A	265
<b>*METALS*</b>									
Arsenic	7.79	mg/kg	1.40	1	12/16/02	15:04	C.Johnson	6010B	3789
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	71.6	%			12/18/02	16:30	K. Keller	CLP	3781

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	78.	48. - 132.
pest surr-DCB	84.	46. - 140.



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## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A203734

Sample ID: DG3E 6-10

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 16:15

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203729

Sample ID: DG3W 0-2

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 15:40

Project Name: RED PANTHER

Date Received: 12/22/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	mg/kg	0.196	100	12/24/02	8:17	Carmichael	8081A	265
a-BHC	ND	mg/kg	0.196	100	12/24/02	8:17	Carmichael	8081A	265
b-BHC	0.472	mg/kg	0.196	100	12/24/02	8:17	Carmichael	8081A	265
d-BHC	ND	mg/kg	0.196	100	12/24/02	8:17	Carmichael	8081A	265
g-BHC, Lindane	ND	mg/kg	0.196	100	12/24/02	8:17	Carmichael	8081A	265
4,4'-DDD	ND	mg/kg	0.393	100	12/24/02	8:17	Carmichael	8081A	265
4,4'-DDE	1.57	mg/kg	0.393	100	12/24/02	8:17	Carmichael	8081A	265
4,4'-DDT	4.43	mg/kg	0.393	100	12/24/02	8:17	Carmichael	8081A	265
Dieldrin	1.30	mg/kg	0.393	100	12/24/02	8:17	Carmichael	8081A	265
Endosulfan I	ND	mg/kg	0.196	100	12/24/02	8:17	Carmichael	8081A	265
Endosulfan II	ND	mg/kg	0.393	100	12/24/02	8:17	Carmichael	8081A	265
Endosulfan sulfate	ND	mg/kg	0.393	100	12/24/02	8:17	Carmichael	8081A	265
Endrin	ND	mg/kg	0.393	100	12/24/02	8:17	Carmichael	8081A	265
Endrin aldehyde	ND	mg/kg	0.393	100	12/24/02	8:17	Carmichael	8081A	265
Endrin Ketone	ND	mg/kg	0.393	100	12/24/02	8:17	Carmichael	8081A	265
Heptachlor	ND	mg/kg	0.196	100	12/24/02	8:17	Carmichael	8081A	265
Heptachlor epoxide	ND	mg/kg	0.196	100	12/24/02	8:17	Carmichael	8081A	265
Methoxychlor	ND	mg/kg	1.96	100	12/24/02	8:17	Carmichael	8081A	265
Toxaphene	26.2	mg/kg	7.85	20	12/24/02	8:17	Carmichael	8081A	265
alpha-Chlordane	ND	mg/kg	0.196	100	12/24/02	8:17	Carmichael	8081A	265
gamma-Chlordane	ND	mg/kg	0.196	100	12/24/02	8:17	Carmichael	8081A	265
*METALS*									
Arsenic	7.08	mg/kg	1.14	1	12/16/02	15:04	C. Johnson	6010B	3789
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	84.8	%			12/18/02	16:30	K. Keller	CLP	3781

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A203729

Sample ID: DG3W 0-2

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 15:40

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/19/02		M. Rieke	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
 2960 Foster Creighton Drive  
 Nashville, Tennessee 37204

ANALYTICAL REPORT

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URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A203730

Sample ID: DG3W 2-6

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 15:45

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	0.213	mg/kg	0.0207	5	12/24/02	8:46	Carmichael	8081A	265
Toxaphene	3.85	mg/kg	2.07	5	12/24/02	8:46	Carmichael	8081A	265
<b>*METALS*</b>									
Arsenic	5.17	mg/kg	1.24	1	12/16/02	15:04	C.Johnson	6010B	3789
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	80.1	%			12/18/02	16:30	K. Keller	CLP	3781

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.1 gm	10.0 ml	12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	90.	48. - 132.
pest surr-DCB	107.	46. - 140.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
BRENT JACOBS  
5900 WINDHARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203730

Sample ID: DG3W 2-6

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 15:45

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - # - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
 2950 Foster Creighton Drive  
 Nashville, Tennessee 37204

ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A203731

Sample ID: DGSW 8-10 Date Collected: 12/10/02

Project: 37778-010-1400 Time Collected: 15:50

Project Name: RED PANTHER Date Received: 12/12/02

Sampler: STEVEN SUSTEN Time Received: 9:00

State Certification: Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Dieldrin	0.0158	mg/kg	0.0045	1	12/24/02	10:42	Carmichael	8081A	265
Toxaphene	ND	mg/kg	0.449	1	12/24/02	10:42	Carmichael	8081A	265
*METALS*									
Arsenic	14.7	mg/kg	1.31	1	12/16/02	15:04	C.Johnson	6010B	3789
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	74.1	%			12/18/02	16:30	K. Keller	CLP	3781

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.4 gm	10.0 ml	12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	84.	48. - 132.
pest surr-DCB	90.	46. - 140.

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Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A203731

Sample ID: DG3W 8-10

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 15:50

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

/ - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

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2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207211

Sample ID: DG3-SC

Date Collected: 12/15/02

Project: 37778-010-1400

Time Collected: 9:49

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	21.9	mg/kg	4.06	2000	12/31/02	17:41	Carmichael	8081A	5448
a-BHC	ND	mg/kg	4.06	2000	12/31/02	17:41	Carmichael	8081A	5448
b-BHC	ND	mg/kg	4.06	2000	12/31/02	17:41	Carmichael	8081A	5448
d-BHC	ND	mg/kg	4.06	2000	12/31/02	17:41	Carmichael	8081A	5448
g-BHC, Lindane	ND	mg/kg	4.06	2000	12/31/02	17:41	Carmichael	8081A	5448
4,4'-DDD	63.2	mg/kg	8.11	2000	12/31/02	17:41	Carmichael	8081A	5448
4,4'-DDE	ND	mg/kg	8.11	2000	12/31/02	17:41	Carmichael	8081A	5448
4,4'-DDT	17.9	mg/kg	8.11	2000	12/31/02	17:41	Carmichael	8081A	5448
Dieldrin	8.11	mg/kg	8.11	2000	12/31/02	17:41	Carmichael	8081A	5448
Endosulfan I	ND	mg/kg	4.06	2000	12/31/02	17:41	Carmichael	8081A	5448
Endosulfan II	ND	mg/kg	8.11	2000	12/31/02	17:41	Carmichael	8081A	5448
Endosulfan sulfate	ND	mg/kg	8.11	2000	12/31/02	17:41	Carmichael	8081A	5448
Endrin	ND	mg/kg	8.11	2000	12/31/02	17:41	Carmichael	8081A	5448
Endrin aldehyde	ND	mg/kg	8.11	2000	12/31/02	17:41	Carmichael	8081A	5448
Endrin Ketone	ND	mg/kg	8.11	2000	12/31/02	17:41	Carmichael	8081A	5448
Heptachlor	ND	mg/kg	4.06	2000	12/31/02	17:41	Carmichael	8081A	5448
Heptachlor epoxide	ND	mg/kg	4.06	2000	12/31/02	17:41	Carmichael	8081A	5448
Methoxychlor	ND	mg/kg	40.6	2000	12/31/02	17:41	Carmichael	8081A	5448
Toxaphene	341.	mg/kg	202.	500	12/31/02	17:41	Carmichael	8081A	5448
alpha-Chlordane	8.93	mg/kg	4.06	2000	12/31/02	17:41	Carmichael	8081A	5448
gamma-Chlordane	8.93	mg/kg	4.06	2000	12/31/02	17:41	Carmichael	8081A	5448
*METALS*									
Arsenic	4.06	mg/kg	1.19	1	12/31/02	13:08	C. Martin	6010B	7686
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	82.1	%			12/23/02	15:30	K. Keller	CLP	7718



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## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A207211

Sample ID: DG3-SC

Date Collected: 12/15/02

Project: 37778-010-1400

Time Collected: 9:49

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.7 gm	10.0 ml	12/27/02		M. Cauthen	3550

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to

sample matrix. 4,4'DDT result shows >40% difference

between channels.

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## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: O2-A203738

Sample ID: DG4E 0-2

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 16:45

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	mg/kg	0.0960	50	12/23/02	10:42	Carmichael	8081A	250
a-BHC	ND	mg/kg	0.0960	50	12/23/02	10:42	Carmichael	8081A	250
b-BHC	1.06	mg/kg	0.0960	50	12/23/02	10:42	Carmichael	8081A	250
d-BHC	ND	mg/kg	0.0960	50	12/23/02	10:42	Carmichael	8081A	250
g-BHC, Lindane	ND	mg/kg	0.0960	50	12/23/02	10:42	Carmichael	8081A	250
4,4'-DDD	0.768	mg/kg	0.191	50	12/23/02	10:42	Carmichael	8081A	250
4,4'-DDE	0.461	mg/kg	0.191	50	12/23/02	10:42	Carmichael	8081A	250
4,4'-DDT	1.21	mg/kg	0.191	50	12/23/02	10:42	Carmichael	8081A	250
Dieldrin	2.08	mg/kg	0.191	50	12/23/02	10:42	Carmichael	8081A	250
Endosulfen I	ND	mg/kg	0.0960	50	12/23/02	10:42	Carmichael	8081A	250
Endosulfen II	ND	mg/kg	0.191	50	12/23/02	10:42	Carmichael	8081A	250
Endosulfen sulfate	ND	mg/kg	0.191	50	12/23/02	10:42	Carmichael	8081A	250
Endrin	ND	mg/kg	0.191	50	12/23/02	10:42	Carmichael	8081A	250
Endrin aldehyde	ND	mg/kg	0.191	50	12/23/02	10:42	Carmichael	8081A	250
Endrin Ketone	ND	mg/kg	0.191	50	12/23/02	10:42	Carmichael	8081A	250
Heptachlor	ND	mg/kg	0.0960	50	12/23/02	10:42	Carmichael	8081A	250
Heptachlor epoxide	ND	mg/kg	0.0960	50	12/23/02	10:42	Carmichael	8081A	250
Methoxychlor	ND	mg/kg	0.960	50	12/23/02	10:42	Carmichael	8081A	250
Toxaphene	11.3	mg/kg	1.91	5	12/23/02	10:42	Carmichael	8081A	250
alpha-Chlordane	ND	mg/kg	0.0960	50	12/23/02	10:42	Carmichael	8081A	250
gamma-Chlordane	ND	mg/kg	0.0960	50	12/23/02	10:42	Carmichael	8081A	250
*METALS*									
Arsenic	4.45	mg/kg	1.12	1	12/17/02	10:35	C. Johnson	6010B	3790
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	86.7	%			12/18/02	14:30	K. Keller	CLP	3783

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## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203738

Sample ID: DG4E O-2

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 16:45

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.6 gm	10.0 ml	12/19/02		M. Ricke	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

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## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203739

Sample ID: DG4E 2-6

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 16:50

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.0391	mg/kg	0.0040	1	12/22/02	14:00	Carmichael	8081A	250
Toxaphene	ND	mg/kg	0.403	1	12/22/02	14:00	Carmichael	8081A	250
*METALS*									
Arsenic	5.51	mg/kg	1.20	1	12/17/02	10:35	C.Johnson	6010B	3790
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	82.6	%			12/18/02	14:30	K. Keller	CLP	3783

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/19/02		M. Ricks	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	93.	48. - 132.
pest surr-DCB	100.	46. - 140.

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## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203739

Sample ID: DG4E 2-6

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 16:50

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

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## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD HWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203740

Sample ID: DG4E 6-10

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 17:00

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.0049	mg/kg	0.0044	1	12/22/02	14:31	Carmichael	8081A	250
Toxaphene	ND	mg/kg	0.445	1	12/22/02	14:31	Carmichael	8081A	250
*METALS*									
Arsenic	5.33	mg/kg	1.34	1	12/17/02	10:35	C.Johnson	6010B	3790
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	74.8	X			12/18/02	14:30	K. Keller	CLP	3783

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.3 gm	10.0 ml	12/19/02		M. Rieke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	93.	48. - 132.
pest surr-DCB	95.	46. - 140.

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## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203740

Sample ID: DG4E 6-10

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 17:00

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

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## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203735

Sample ID: DG4W 0-2

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 16:25

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	mg/kg	0.949	500	12/24/02	13:35	Carmichael	8081A	265
a-BHC	ND	mg/kg	0.949	500	12/24/02	13:35	Carmichael	8081A	265
b-BHC	ND	mg/kg	0.949	500	12/24/02	13:35	Carmichael	8081A	265
d-BHC	ND	mg/kg	0.949	500	12/24/02	13:35	Carmichael	8081A	265
g-BHC, Lindane	ND	mg/kg	0.949	500	12/24/02	13:35	Carmichael	8081A	265
4,4'-DDD	12.9	mg/kg	1.89	500	12/24/02	13:35	Carmichael	8081A	265
4,4'-DDE	2.28	mg/kg	1.89	500	12/24/02	13:35	Carmichael	8081A	265
4,4'-DDT	ND	mg/kg	1.89	500	12/24/02	13:35	Carmichael	8081A	265
Dieldrin	11.2	mg/kg	1.89	500	12/24/02	13:35	Carmichael	8081A	265
Endosulfan I	ND	mg/kg	0.949	500	12/24/02	13:35	Carmichael	8081A	265
Endosulfan II	ND	mg/kg	1.89	500	12/24/02	13:35	Carmichael	8081A	265
Endosulfan sulfate	ND	mg/kg	1.89	500	12/24/02	13:35	Carmichael	8081A	265
Endrin	ND	mg/kg	1.89	500	12/24/02	13:35	Carmichael	8081A	265
Endrin aldehyde	ND	mg/kg	1.89	500	12/24/02	13:35	Carmichael	8081A	265
Endrin Ketone	ND	mg/kg	1.89	500	12/24/02	13:35	Carmichael	8081A	265
Heptachlor	ND	mg/kg	0.949	500	12/24/02	13:35	Carmichael	8081A	265
Heptachlor epoxide	ND	mg/kg	0.949	500	12/24/02	13:35	Carmichael	8081A	265
Methoxychlor	ND	mg/kg	9.49	500	12/24/02	13:35	Carmichael	8081A	265
Toxaphene	69.6	mg/kg	15.2	40	12/24/02	13:35	Carmichael	8081A	265
alpha-Chlordane	ND	mg/kg	0.949	500	12/24/02	13:35	Carmichael	8081A	265
gamma-Chlordane	ND	mg/kg	0.949	500	12/24/02	13:35	Carmichael	8081A	265
*METALS*									
Arsenic	2.70	mg/kg	1.13	1	12/16/02	15:04	C.Johnson	6010B	3789
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	87.7	%			12/18/02	16:30	K. Keller	CLP	3781



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## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD HWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203735

Sample ID: DG4W 0-2

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 16:25

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.5 gm	10.0 ml	12/19/02		M. Ricke	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

/ - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A203736

Sample ID: DC4W 2-6

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 16:30

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.235	mg/kg	0.0399	10	12/24/02	14:03	Carmichael	8081A	265
Toxaphene	ND	mg/kg	3.99	10	12/24/02	14:03	Carmichael	8081A	265
*METALS*									
Arsenic	5.37	mg/kg	1.16	1	12/16/02	15:04	C.Johnson	6010B	3789
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	83.4	%			12/18/02	16:30	K. Keller	CLP	3781

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.6 gm	10.0 ml	12/19/02		M. Ricke	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
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Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203737

Sample ID: DG4W 6-10

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 16:35

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0044	1	12/22/02	12:58	Carmichael	8081A	250
Toxaphene	ND	mg/kg	0.446	1	12/22/02	12:58	Carmichael	8081A	250
*METALS*									
Arsenic	5.62	mg/kg	1.27	1	12/17/02	10:35	C.Johnson	6010B	3790
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	74.6	%			12/18/02	14:30	K. Keller	CLP	3783

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/19/02		M. Ricks	3550

Surrogate	% Recovery	Target Range
pest surr-TOMI	102.	48. - 132.
pest surr-DCB	98.	46. - 140.

TEST AMERICA INC  
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Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203737

Sample ID: DG4W 6-10

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 16:35

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207212

Sample ID: DG4-SC

Date Collected: 12/15/02

Project: 37778-010-1400

Time Collected: 10:25

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	10.4	mg/kg	0.777	400	12/31/02	18:10	Carmichael	8081A	5448
a-BHC	ND	mg/kg	0.777	400	12/31/02	18:10	Carmichael	8081A	5448
b-BHC	ND	mg/kg	0.777	400	12/31/02	18:10	Carmichael	8081A	5448
d-BHC	ND	mg/kg	0.777	400	12/31/02	18:10	Carmichael	8081A	5448
g-BHC, Lindane	ND	mg/kg	0.777	400	12/31/02	18:10	Carmichael	8081A	5448
4,4'-DDD	21.5	mg/kg	1.55	400	12/31/02	18:10	Carmichael	8081A	5448
4,4'-DDE	2.64	mg/kg	1.55	400	12/31/02	18:10	Carmichael	8081A	5448
4,4'-DDT	9.94	mg/kg	1.55	400	12/31/02	18:10	Carmichael	8081A	5448
Dieldrin	2.95	mg/kg	1.55	400	12/31/02	18:10	Carmichael	8081A	5448
Endosulfan I	ND	mg/kg	0.777	400	12/31/02	18:10	Carmichael	8081A	5448
Endosulfan II	ND	mg/kg	1.55	400	12/31/02	18:10	Carmichael	8081A	5448
Endosulfan sulfate	ND	mg/kg	1.55	400	12/31/02	18:10	Carmichael	8081A	5448
Endrin	ND	mg/kg	1.55	400	12/31/02	18:10	Carmichael	8081A	5448
Endrin aldehyde	ND	mg/kg	1.55	400	12/31/02	18:10	Carmichael	8081A	5448
Endrin Ketone	ND	mg/kg	1.55	400	12/31/02	18:10	Carmichael	8081A	5448
Heptachlor	ND	mg/kg	0.777	400	12/31/02	18:10	Carmichael	8081A	5448
Heptachlor epoxide	ND	mg/kg	0.777	400	12/31/02	18:10	Carmichael	8081A	5448
Methoxychlor	ND	mg/kg	7.77	400	12/31/02	18:10	Carmichael	8081A	5448
Toxaphene	106.	mg/kg	19.4	50	12/31/02	18:10	Carmichael	8081A	5448
alpha-Chlordane	ND	mg/kg	0.777	400	12/31/02	18:10	Carmichael	8081A	5448
gamma-Chlordane	ND	mg/kg	0.777	400	12/31/02	18:10	Carmichael	8081A	5448
*METALS*									
Arsenic	5.15	mg/kg	1.12	1	12/31/02	13:08	C. Martin	6010B	7686
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	85.7	%			12/23/02	15:30	K. Keller	CLP	7718

TEST AMERICA INC  
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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A207212

Sample ID: DG4-SC

Date Collected: 12/15/02

Project: 37778-010-1400

Time Collected: 10:25

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.7 gm	10.0 ml	12/27/02		M. Cauthen	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203744

Sample ID: DG5E 0-2

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 9:00

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.351	200	12/23/02	13:45	Carmichael	8081A	250
a-BHC	ND	mg/kg	0.351	200	12/23/02	13:45	Carmichael	8081A	250
b-BHC	ND	mg/kg	0.351	200	12/23/02	13:45	Carmichael	8081A	250
d-BHC	ND	mg/kg	0.351	200	12/23/02	13:45	Carmichael	8081A	250
g-BHC, Lindane	ND	mg/kg	0.351	200	12/23/02	13:45	Carmichael	8081A	250
4,4'-DDD	ND	mg/kg	0.703	200	12/23/02	13:45	Carmichael	8081A	250
4,4'-DDE	2.95	mg/kg	0.703	200	12/23/02	13:45	Carmichael	8081A	250
4,4'-DDT	15.6	mg/kg	1.75	500	12/23/02	13:45	Carmichael	8081A	250
Dieldrin	1.69	mg/kg	0.703	200	12/23/02	13:45	Carmichael	8081A	250
Endosulfan I	ND	mg/kg	0.351	200	12/23/02	13:45	Carmichael	8081A	250
Endosulfan II	ND	mg/kg	0.703	200	12/23/02	13:45	Carmichael	8081A	250
Endosulfan sulfate	ND	mg/kg	0.703	200	12/23/02	13:45	Carmichael	8081A	250
Endrin	ND	mg/kg	0.703	200	12/23/02	13:45	Carmichael	8081A	250
Endrin aldehyde	ND	mg/kg	0.703	200	12/23/02	13:45	Carmichael	8081A	250
Endrin Ketone	ND	mg/kg	0.703	200	12/23/02	13:45	Carmichael	8081A	250
Heptachlor	ND	mg/kg	0.351	200	12/23/02	13:45	Carmichael	8081A	250
Heptachlor epoxide	ND	mg/kg	0.351	200	12/23/02	13:45	Carmichael	8081A	250
Methoxychlor	ND	mg/kg	3.51	200	12/23/02	13:45	Carmichael	8081A	250
Toxaphene	31.6	mg/kg	17.5	50	12/23/02	13:45	Carmichael	8081A	250
alpha-Chlordane	ND	mg/kg	0.351	200	12/23/02	13:45	Carmichael	8081A	250
gamma-Chlordane	ND	mg/kg	0.351	200	12/23/02	13:45	Carmichael	8081A	250
<b>*METALS*</b>									
Arsenic	3.66	mg/kg	1.01	1	12/17/02	10:35	C. Johnson	6010B	3790
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	94.8	%			12/18/02	14:30	K. Keller	CLP	3783

TEST AMERICA INC  
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Nashville, Tennessee 37204

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203744

Sample ID: DG5E 0-2

Date Collected: 12/11/02

Project: 37776-010-1400

Time Collected: 9:00

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.2 gm	10.0 ml	12/19/02		M. Ricke	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogates diluted below detectable levels due to sample matrix.



TEST AMERICA INC  
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Nashville, Tennessee 37204

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203745

Sample ID: DGSE 2-6

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 9:05

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.0135	ng/kg	0.0040	1	12/22/02	17:04	Carmichael	8081A	250
Toxaphene	ND	ng/kg	0.408	1	12/22/02	17:04	Carmichael	8081A	250
*METALS*									
Arsenic	5.28	mg/kg	1.20	1	12/17/02	10:35	C.Johnson	6010B	3790
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	81.7	%			12/18/02	14:30	K. Keller	CLP	3783

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TCMX	107.	48. - 132.
pest surr-DCB	125.	46. - 140.

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Nashville, Tennessee 37204

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A203745

Sample ID: DGSE 2-6

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 9:05

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203746

Sample ID: DG5E 6-10

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 9:15

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0044	1	12/22/02	17:35	Carmichael	8081A	250
Toxaphene	ND	mg/kg	0.446	1	12/22/02	17:35	Carmichael	8081A	250
*METALS*									
Arsenic	8.42	mg/kg	1.27	1	12/17/02	10:35	C.Johnson	6010B	3790
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	74.7	%			12/18/02	14:30	K. Keller	CLP	3783

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	89.	48. - 132.
pest surr-DCB	85.	46. - 140.

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203746

Sample ID: DG5E 6-10

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 9:15

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693  
ERENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203741

Sample ID: DG58 0-2 Date Collected: 12/11/02

Project: 37778-010-1400 Time Collected: 8:35

Project Name: RED PANTHER Date Received: 12/12/02

Sampler: STEVEN SUSTEN Time Received: 9:00

State Certification: Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.367	200	12/23/02	12:14	Carmichael	8081A	250
a-BHC	ND	mg/kg	0.367	200	12/23/02	12:14	Carmichael	8081A	250
b-BHC	0.734	mg/kg	0.367	200	12/23/02	12:14	Carmichael	8081A	250
d-BHC	ND	mg/kg	0.367	200	12/23/02	12:14	Carmichael	8081A	250
g-BHC, Lindane	ND	mg/kg	0.367	200	12/23/02	12:14	Carmichael	8081A	250
4,4'-DDD	ND	mg/kg	0.734	200	12/23/02	12:14	Carmichael	8081A	250
4,4'-DDE	1.10	mg/kg	0.734	200	12/23/02	12:14	Carmichael	8081A	250
4,4'-DDT	17.1	mg/kg	1.83	500	12/23/02	12:14	Carmichael	8081A	250
Dieldrin	2.65	mg/kg	0.734	200	12/23/02	12:14	Carmichael	8081A	250
Endosulfan I	ND	mg/kg	0.367	200	12/23/02	12:14	Carmichael	8081A	250
Endosulfan II	ND	mg/kg	0.734	200	12/23/02	12:14	Carmichael	8081A	250
Endosulfan sulfate	ND	mg/kg	0.734	200	12/23/02	12:14	Carmichael	8081A	250
Endrin	ND	mg/kg	0.734	200	12/23/02	12:14	Carmichael	8081A	250
Endrin aldehyde	ND	mg/kg	0.734	200	12/23/02	12:14	Carmichael	8081A	250
Endrin Ketone	ND	mg/kg	0.734	200	12/23/02	12:14	Carmichael	8081A	250
Heptachlor	ND	mg/kg	0.367	200	12/23/02	12:14	Carmichael	8081A	250
Heptachlor epoxide	ND	mg/kg	0.367	200	12/23/02	12:14	Carmichael	8081A	250
Methoxychlor	ND	mg/kg	3.67	200	12/23/02	12:14	Carmichael	8081A	250
Toxaphene	20.8	mg/kg	3.67	10	12/23/02	12:14	Carmichael	8081A	250
alpha-Chlordane	ND	mg/kg	0.367	200	12/23/02	12:14	Carmichael	8081A	250
gamma-Chlordane	ND	mg/kg	0.367	200	12/23/02	12:14	Carmichael	8081A	250
<b>*METALS*</b>									
Arsenic	4.38	mg/kg	1.09	1	12/17/02	10:35	C. Johnson	6010B	3790
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	90.7	%			12/18/02	14:30	K. Keller	CLP	3783

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Nashville, Tennessee 37204

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203741

Sample ID: DGSW 0-2

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 8:35

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.1 gm	10.0 ml	12/19/02		M. Ricke	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD HWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A203742

Sample ID: DG54 2-6

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 8:40

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Dieldrin	0.215	mg/kg	0.0385	10	12/23/02	12:44	Carmichael	8081A	250
Toxaphene	5.09	mg/kg	1.92	5	12/23/02	12:44	Carmichael	8081A	250
*METALS*									
Arsenic	4.65	mg/kg	1.11	1	12/17/02	10:35	C.Johnson	6010B	3790
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	86.5	%			12/18/02	14:30	K. Keller	CLP	3783

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.6 gm	10.0 ml	12/19/02		M. Ricke	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A203743

Sample ID: DGSW 6-10

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 8:50

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.0133	mg/kg	0.0044	1	12/22/02	16:02	Carmichael	8081A	250
Toxaphene	ND	mg/kg	0.442	1	12/22/02	16:02	Carmichael	8081A	250
*METALS*									
Arsenic	11.0	mg/kg	1.30	1	12/17/02	10:35	C.Johnson	6010B	3790
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	75.4	%			12/18/02	14:30	K. Keller	CLP	3783

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	92.	48. - 132.
pest surr-DCB	88.	46. - 140.



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2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203743

Sample ID: DG5W 6-10

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 8:50

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207213

Sample ID: DGS-SC

Date Collected: 12/15/02

Project: 37778-010-1400

Time Collected: 11:02

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	mg/kg	0.985	500	12/30/02	23:06	Carmichael	8081A	5448
a-BHC	ND	mg/kg	0.985	500	12/30/02	23:06	Carmichael	8081A	5448
b-BHC	1.38	mg/kg	0.985	500	12/30/02	23:06	Carmichael	8081A	5448
d-BHC	ND	mg/kg	0.985	500	12/30/02	23:06	Carmichael	8081A	5448
g-BHC, Lindane	ND	mg/kg	0.985	500	12/30/02	23:06	Carmichael	8081A	5448
4,4'-DDD	5.92	mg/kg	1.96	500	12/30/02	23:06	Carmichael	8081A	5448
4,4'-DDE	ND	mg/kg	1.96	500	12/30/02	23:06	Carmichael	8081A	5448
4,4'-DDT	28.5	mg/kg	1.96	500	12/30/02	23:06	Carmichael	8081A	5448
Dieldrin	8.47	mg/kg	1.96	500	12/30/02	23:06	Carmichael	8081A	5448
Endosulfan I	ND	mg/kg	0.985	500	12/30/02	23:06	Carmichael	8081A	5448
Endosulfan II	ND	mg/kg	1.96	500	12/30/02	23:06	Carmichael	8081A	5448
Endosulfan sulfate	ND	mg/kg	1.96	500	12/30/02	23:06	Carmichael	8081A	5448
Endrin	ND	mg/kg	1.96	500	12/30/02	23:06	Carmichael	8081A	5448
Endrin aldehyde	ND	mg/kg	1.96	500	12/30/02	23:06	Carmichael	8081A	5448
Endrin Ketone	ND	mg/kg	1.96	500	12/30/02	23:06	Carmichael	8081A	5448
Heptachlor	ND	mg/kg	0.985	500	12/30/02	23:06	Carmichael	8081A	5448
Heptachlor epoxide	ND	mg/kg	0.985	500	12/30/02	23:06	Carmichael	8081A	5448
Methoxychlor	ND	mg/kg	9.85	500	12/30/02	23:06	Carmichael	8081A	5448
Toxaphene	90.3	mg/kg	39.4	100	12/30/02	23:06	Carmichael	8081A	5448
alpha-Chlordane	ND	mg/kg	0.985	500	12/30/02	23:06	Carmichael	8081A	5448
gamma-Chlordane	ND	mg/kg	0.985	500	12/30/02	23:06	Carmichael	8081A	5448
*METALS*									
Arsenic	6.53	mg/kg	1.17	1	12/31/02	13:08	C. Martin	6010B	7686
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	84.5	%			12/23/02	15:30	K. Keller	CLP	7718

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY, STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207213

Sample ID: DG5-SC

Date Collected: 12/15/02

Project: 37778-010-1400

Time Collected: 11:02

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.1 gm	10.0 ml	12/27/02		M. Cauthen	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

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2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203750

Sample ID: DG6E 0-2

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 10:00

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	mg/kg	0.0191	10	12/23/02	14:47	Carmichael	8081A	250
a-BHC	ND	mg/kg	0.0191	10	12/23/02	14:47	Carmichael	8081A	250
b-BHC	0.276	mg/kg	0.0191	10	12/23/02	14:47	Carmichael	8081A	250
d-BHC	ND	mg/kg	0.0191	10	12/23/02	14:47	Carmichael	8081A	250
g-BHC, Lindane	ND	mg/kg	0.0191	10	12/23/02	14:47	Carmichael	8081A	250
4,4'-DDD	0.0425	mg/kg	0.0383	10	12/23/02	14:47	Carmichael	8081A	250
4,4'-DDE	0.169	mg/kg	0.0383	10	12/23/02	14:47	Carmichael	8081A	250
4,4'-DDT	0.241	mg/kg	0.0383	10	12/23/02	14:47	Carmichael	8081A	250
Dieldrin	0.766	mg/kg	0.191	50	12/23/02	14:47	Carmichael	8081A	250
Endosulfan I	ND	mg/kg	0.0191	10	12/23/02	14:47	Carmichael	8081A	250
Endosulfan II	ND	mg/kg	0.0383	10	12/23/02	14:47	Carmichael	8081A	250
Endosulfan sulfate	ND	mg/kg	0.0383	10	12/23/02	14:47	Carmichael	8081A	250
Endrin	0.157	mg/kg	0.0383	10	12/23/02	14:47	Carmichael	8081A	250
Endrin aldehyde	ND	mg/kg	0.0383	10	12/23/02	14:47	Carmichael	8081A	250
Endrin Ketone	0.0803	mg/kg	0.0383	10	12/23/02	14:47	Carmichael	8081A	250
Heptachlor	ND	mg/kg	0.0191	10	12/23/02	14:47	Carmichael	8081A	250
Heptachlor epoxide	ND	mg/kg	0.0191	10	12/23/02	14:47	Carmichael	8081A	250
Methoxychlor	ND	mg/kg	0.191	10	12/23/02	14:47	Carmichael	8081A	250
Toxaphene	3.31	mg/kg	0.766	2	12/23/02	14:47	Carmichael	8081A	250
alpha-Chlordane	ND	mg/kg	0.0191	10	12/23/02	14:47	Carmichael	8081A	250
gamma-Chlordane	ND	mg/kg	0.0191	10	12/23/02	14:47	Carmichael	8081A	250
*METALS*									
Arsenic	5.44	mg/kg	1.14	1	12/17/02	10:35	C. Johnson	6010B	3790
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	87.0	%			12/18/02	14:30	K. Keller	CLP	3783

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## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A203750

Sample ID: DG6E 0-2

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 10:00

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract-Vol				
OC Pest	29.6 gm	10.0 ml	12/19/02		M. Ricke	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203751

Sample ID: DG6E 2-6

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 10:05

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.0094	mg/kg	0.0040	1	12/22/02	21:09	Carmichael	8081A	250
Toxaphene	ND	mg/kg	0.407	1	12/22/02	21:09	Carmichael	8081A	250
*METALS*									
Arsenic	4.35	mg/kg	1.21	1	12/17/02	10:35	C.Johnson	6010B	3790
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	81.9	%			12/18/02	14:30	K. Keller	CLP	3783

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.6 gm	10.0 ml	12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TCMX	95.	48. - 132.
pest surr-DCB	97.	46. - 140.

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ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203751

Sample ID: DG6E 2-6

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 10:05

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

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## ANALYTICAL REPORT

Original report and a copy of the chain of custody will follow by mail.

IRS 2693

TRENT JACOBS

5900 WINDHARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203752

Sample ID: DG6E 6-10

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 10:15

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0044	1	12/22/02	21:40	Carmichael	8081A	250
Toxaphene	ND	mg/kg	0.445	1	12/22/02	21:40	Carmichael	8081A	250
**METALS*									
Arsenic	7.17	mg/kg	1.28	1	12/17/02	10:35	C.Johnson	6010B	3790
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	74.8	%			12/18/02	14:30	K. Keller	CLP	3783

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	103.	48. - 132.
pest surr-DCB	97.	46. - 140.



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2560 Foster Creighton Drive  
Nashville, Tennessee 37204

ANALYTICAL REPORT

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URS 2693  
BRENT JACOBS  
5900 WINDHARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203752

Sample ID: DG6E 6-10

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 10:15

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - # - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

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## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203747

Sample ID: DG6W 0-2

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 9:30

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	mg/kg	0.0100	5	12/23/02	14:16	Carmichael	8081A	250
a-BHC	ND	mg/kg	0.0100	5	12/23/02	14:16	Carmichael	8081A	250
b-BHC	0.130	mg/kg	0.0100	5	12/23/02	14:16	Carmichael	8081A	250
d-BHC	ND	mg/kg	0.0100	5	12/23/02	14:16	Carmichael	8081A	250
g-BHC, Lindane	ND	mg/kg	0.0100	5	12/23/02	14:16	Carmichael	8081A	250
4,4'-DDD	ND	mg/kg	0.0200	5	12/23/02	14:16	Carmichael	8081A	250
4,4'-DDE	0.0622	mg/kg	0.0200	5	12/23/02	14:16	Carmichael	8081A	250
4,4'-DDT	0.189	mg/kg	0.0200	5	12/23/02	14:16	Carmichael	8081A	250
Dieldrin	0.0902	mg/kg	0.0200	5	12/23/02	14:16	Carmichael	8081A	250
Endosulfan I	ND	mg/kg	0.0100	5	12/23/02	14:16	Carmichael	8081A	250
Endosulfan II	ND	mg/kg	0.0200	5	12/23/02	14:16	Carmichael	8081A	250
Endosulfan sulfate	ND	mg/kg	0.0200	5	12/23/02	14:16	Carmichael	8081A	250
Endrin	ND	mg/kg	0.0200	5	12/23/02	14:16	Carmichael	8081A	250
Endrin aldehyde	ND	mg/kg	0.0200	5	12/23/02	14:16	Carmichael	8081A	250
Endrin Ketone	ND	mg/kg	0.0200	5	12/23/02	14:16	Carmichael	8081A	250
Heptachlor	ND	mg/kg	0.0100	5	12/23/02	14:16	Carmichael	8081A	250
Heptachlor epoxide	ND	mg/kg	0.0100	5	12/23/02	14:16	Carmichael	8081A	250
Methoxychlor	ND	mg/kg	0.100	5	12/23/02	14:16	Carmichael	8081A	250
Toxaphene	ND	mg/kg	2.00	5	12/23/02	14:16	Carmichael	8081A	250
alpha-Chlordane	ND	mg/kg	0.0100	5	12/23/02	14:16	Carmichael	8081A	250
gamma-Chlordane	ND	mg/kg	0.0100	5	12/23/02	14:16	Carmichael	8081A	250
*METALS*									
Arsenic	5.76	mg/kg	1.20	1	12/17/02	10:35	C.Johnson	6010B	3790
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	83.0	%			12/18/02	14:30	K. Keller	CLP	3783

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## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203747

Sample ID: DG6W 0-2

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 9:30

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.7 gm	10.0 ml	12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	109.	48. - 132.
pest surr-DCB	91.	46. - 140.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDHARD HWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203748

Sample ID: DG6W 2-6

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 9:40

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0041	1	12/22/02	19:38	Carmichael	8081A	250
Toxaphene	ND	mg/kg	0.414	1	12/22/02	19:38	Carmichael	8081A	250
*METALS*									
Arsenic	7.69	mg/kg	1.21	1	12/17/02	10:35	C.Johnson	6010B	3790
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	80.4	%			12/18/02	14:30	K. Keller	CLP	3783

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.2 gm	10.0 ml	12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	84.	48. - 132.
pest surr-DCB	102.	46. - 140.

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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203748

Sample ID: DG6W 2-6

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 9:40

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203749

Sample ID: DG6W 6-10

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 9:50

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.0065	mg/kg	0.0043	1	12/22/02	20:08	Carmichael	8081A	250
Toxaphene	ND	mg/kg	0.434	1	12/22/02	20:08	Carmichael	8081A	250
*METALS*									
Arsenic	9.17	mg/kg	1.24	1	12/17/02	10:35	C.Johnson	6010B	3790
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	76.7	%			12/18/02	14:30	K. Keller	CLP	3783

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.1 gm	10.0 ml	12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	95.	48. - 132.
pest surr-DCB	89.	46. - 140.

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## ANALYTICAL REPORT

Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDHARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203749

Sample ID: DG6W 6-10

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 9:50

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certifications:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

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## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207214

Sample ID: DG6-SC

Date Collected: 12/15/02

Project: 37778-010-1400

Time Collected: 15:20

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES RAY

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Aldrin	10.1	mg/kg	1.05	500	12/31/02	10:54	Carmichael	8081A	6207
a-BHC	ND	mg/kg	1.05	500	12/31/02	10:54	Carmichael	8081A	6207
b-BHC	3.35	mg/kg	1.05	500	12/31/02	10:54	Carmichael	8081A	6207
d-BHC	ND	mg/kg	1.05	500	12/31/02	10:54	Carmichael	8081A	6207
g-BHC, Lindane	ND	mg/kg	1.05	500	12/31/02	10:54	Carmichael	8081A	6207
4,4'-DDD	24.9	mg/kg	2.09	500	12/31/02	10:54	Carmichael	8081A	6207
4,4'-DDE	14.5	mg/kg	2.09	500	12/31/02	10:54	Carmichael	8081A	6207
4,4'-DDT	236.	mg/kg	20.9	5000	12/31/02	10:54	Carmichael	8081A	6207
Dieldrin	31.4	mg/kg	20.9	5000	12/31/02	10:54	Carmichael	8081A	6207
Endosulfan I	ND	mg/kg	1.05	500	12/31/02	10:54	Carmichael	8081A	6207
Endosulfan II	ND	mg/kg	2.09	500	12/31/02	10:54	Carmichael	8081A	6207
Endosulfan sulfate	ND	mg/kg	2.09	500	12/31/02	10:54	Carmichael	8081A	6207
Endrin	25.3	mg/kg	2.09	500	12/31/02	10:54	Carmichael	8081A	6207
Endrin aldehyde	ND	mg/kg	2.09	500	12/31/02	10:54	Carmichael	8081A	6207
Endrin Ketone	6.49	mg/kg	2.09	500	12/31/02	10:54	Carmichael	8081A	6207
Heptachlor	ND	mg/kg	1.05	500	12/31/02	10:54	Carmichael	8081A	6207
Heptachlor epoxide	ND	mg/kg	1.05	500	12/31/02	10:54	Carmichael	8081A	6207
Methoxychlor	ND	mg/kg	10.5	500	12/31/02	10:54	Carmichael	8081A	6207
Toxaphene	ND	mg/kg	209.	500	12/31/02	10:54	Carmichael	8081A	6207
alpha-Chlordane	ND	mg/kg	1.05	500	12/31/02	10:54	Carmichael	8081A	6207
gamma-Chlordane	ND	mg/kg	1.05	500	12/31/02	10:54	Carmichael	8081A	6207
*METALS*									
Arsenic	19.0	mg/kg	1.22	1	12/31/02	12:47	C. Martin	6010B	7688
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	79.5	%			12/23/02	15:30	K. Keller	CLP	7718



TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A207214

Sample ID: DG6-SC

Date Collected: 12/15/02

Project: 37778-010-1400

Time Collected: 15:20

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.6 gm	10.0 ml	12/28/02		M. Cauthen	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A203756

Sample ID: DG7E 0-2

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 10:55

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	0.137	mg/kg	0.0100	5	12/23/02	18:22	Carmichael	8081A	250
a-BHC	0.0161	mg/kg	0.0100	5	12/23/02	18:22	Carmichael	8081A	250
b-BHC	0.109	mg/kg	0.0100	5	12/23/02	18:22	Carmichael	8081A	250
d-BHC	0.0544	mg/kg	0.0100	5	12/23/02	18:22	Carmichael	8081A	250
g-BHC, Lindane	0.0221	mg/kg	0.0100	5	12/23/02	18:22	Carmichael	8081A	250
4,4'-DDD	0.278	mg/kg	0.0201	5	12/23/02	18:22	Carmichael	8081A	250
4,4'-DDE	0.294	mg/kg	0.0201	5	12/23/02	18:22	Carmichael	8081A	250
4,4'-DDT	0.0261	mg/kg	0.0201	5	12/23/02	18:22	Carmichael	8081A	250
Dieldrin	0.0926	mg/kg	0.0201	5	12/23/02	18:22	Carmichael	8081A	250
Endosulfan I	ND	mg/kg	0.0100	5	12/23/02	18:22	Carmichael	8081A	250
Endosulfan II	ND	mg/kg	0.0201	5	12/23/02	18:22	Carmichael	8081A	250
Endosulfan sulfate	ND	mg/kg	0.0201	5	12/23/02	18:22	Carmichael	8081A	250
Endrin	ND	mg/kg	0.0201	5	12/23/02	18:22	Carmichael	8081A	250
Endrin aldehyde	ND	mg/kg	0.0201	5	12/23/02	18:22	Carmichael	8081A	250
Endrin Ketone	ND	mg/kg	0.0201	5	12/23/02	18:22	Carmichael	8081A	250
Heptachlor	ND	mg/kg	0.0100	5	12/23/02	18:22	Carmichael	8081A	250
Heptachlor epoxide	ND	mg/kg	0.0100	5	12/23/02	18:22	Carmichael	8081A	250
Methoxychlor	ND	mg/kg	0.101	5	12/23/02	18:22	Carmichael	8081A	250
Toxaphene	ND	mg/kg	2.01	5	12/23/02	18:22	Carmichael	8081A	250
alpha-Chlordane	ND	mg/kg	0.0100	5	12/23/02	18:22	Carmichael	8081A	250
gamma-Chlordane	ND	mg/kg	0.0100	5	12/23/02	18:22	Carmichael	8081A	250
<b>*METALS*</b>									
Arsenic	7.21	mg/kg	1.20	1	12/17/02	10:35	C.Johnson	6010B	3790
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	82.7	%			12/18/02	14:30	K. Keller	CLP	3783

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## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203756

Sample ID: DG7E 0-2

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 10:55

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.6 gm	10.0 ml	12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	119.	48. - 132.
pest surr-DCB	118.	46. - 140.

LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - f - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

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## ANALYTICAL REPORT

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URS 2693  
ERENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203757

Sample ID: DG7E 2-6

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 11:00

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.582	mg/kg	0.0831	20	12/22/02	2:04	Carmichael	8081A	254
Toxaphene	2.50	mg/kg	0.416	1	12/22/02	2:04	Carmichael	8081A	254
*METALS*									
Arsenic	7.99	mg/kg	1.25	1	12/16/02	9:10	C.Johnson	6010B	3791
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	80.1	%			12/18/02	14:30	K. Keller	CLP	3786

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/19/02		M. Ricke	3550

## LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - f - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.  
Pesticide surrogate diluted below detectable levels due to sample matrix.

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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203758

Sample ID: DC7E 6-10

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 11:10

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.0050	mg/kg	0.0044	1	12/19/02	23:11	Carmichael	8081A	254
Toxaphene	ND	mg/kg	0.446	1	12/19/02	23:11	Carmichael	8081A	254
*METALS*									
Arsenic	7.47	mg/kg	1.29	1	12/16/02	9:10	C.Johnson	6010B	3791
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	74.7	%			12/18/02	14:30	K. Keller	CLP	3786

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.2 gm	10.0 ml	12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	118.	48. - 132.
pest surr-DCB	92.	46. - 140.

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## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A203758

Sample ID: DG7E 6-10

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 11:10

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

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## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 HINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203753

Sample ID: DG7W 0-2

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 10:25

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.376	200	12/23/02	16:50	Carmichael	8081A	250
a-BHC	2.63	mg/kg	0.376	200	12/23/02	16:50	Carmichael	8081A	250
b-BHC	3.31	mg/kg	0.376	200	12/23/02	16:50	Carmichael	8081A	250
d-BHC	ND	mg/kg	0.376	200	12/23/02	16:50	Carmichael	8081A	250
g-BHC, Lindane	1.87	mg/kg	0.376	200	12/23/02	16:50	Carmichael	8081A	250
4,4'-DDD	73.5	mg/kg	7.52	2000	12/23/02	16:50	Carmichael	8081A	250
4,4'-DDE	8.34	mg/kg	0.752	200	12/23/02	16:50	Carmichael	8081A	250
4,4'-DDT	78.9	mg/kg	7.52	2000	12/23/02	16:50	Carmichael	8081A	250
Dieldrin	20.3	mg/kg	7.52	2000	12/23/02	16:50	Carmichael	8081A	250
Endosulfan I	ND	mg/kg	0.376	200	12/23/02	16:50	Carmichael	8081A	250
Endosulfan II	ND	mg/kg	0.752	200	12/23/02	16:50	Carmichael	8081A	250
Endosulfan sulfate	ND	mg/kg	0.752	200	12/23/02	16:50	Carmichael	8081A	250
Endrin	7.21	mg/kg	0.752	200	12/23/02	16:50	Carmichael	8081A	250
Endrin aldehyde	ND	mg/kg	0.752	200	12/23/02	16:50	Carmichael	8081A	250
Endrin Ketone	ND	mg/kg	0.752	200	12/23/02	16:50	Carmichael	8081A	250
Heptachlor	ND	mg/kg	0.376	200	12/23/02	16:50	Carmichael	8081A	250
Heptachlor epoxide	ND	mg/kg	0.376	200	12/23/02	16:50	Carmichael	8081A	250
Methoxychlor	ND	mg/kg	3.76	200	12/23/02	16:50	Carmichael	8081A	250
Toxaphene	492.	mg/kg	187.	500	12/23/02	16:50	Carmichael	8081A	250
alpha-Chlordane	ND	mg/kg	0.376	200	12/23/02	16:50	Carmichael	8081A	250
gamma-Chlordane	ND	mg/kg	0.376	200	12/23/02	16:50	Carmichael	8081A	250
<b>*METALS*</b>									
Arsenic	27.5	mg/kg	1.09	1	12/17/02	10:35	C. Johnson	6010B	3790
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	88.6	%			12/18/02	14:30	K. Keller	CLP	3783

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## ANALYTICAL REPORT

Original report and a copy of the chain of custody will follow by mail.

JRS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203753

Sample ID: DG7W 0-2

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 10:25

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/19/02		M. Kicke	3550

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.



TEST AMERICA INC  
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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203754

Sample ID: DG78 2-6

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 10:35

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Dieldrin	6.39	mg/kg	0.841	200	12/23/02	17:21	Carmichael	8081A	250
Toxaphene	128.	mg/kg	42.0	100	12/23/02	17:21	Carmichael	8081A	250
*METALS*									
Arsenic	6.28	mg/kg	1.21	1	12/17/02	10:35	C.Johnson	6010B	3790
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	79.2	%			12/18/02	14:30	K. Keller	CLP	3783

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.6 gm	10.0 ml	12/19/02		M. Ricks	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203755

Sample ID: DG7W 6-10

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 10:45

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Dieldrin	1.18	mg/kg	0.226	50	12/23/02	17:51	Carmichael	8081A	250
Toxaphene	50.5	mg/kg	9.07	20	12/23/02	17:51	Carmichael	8081A	250
*METALS*									
Arsenic	8.08	mg/kg	1.35	1	12/17/02	10:35	C. Johnson	6010B	3790
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	73.4	%			12/18/02	14:30	K. Keller	CLP	3783

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.6 gm	10.0 ml	12/19/02		M. Ricke	3550

## LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - # - Recovery outside laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.  
Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207215

Sample ID: DG7-SC

Date Collected: 12/15/02

Project: 37778-010-1400

Time Collected: 16:01

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	mg/kg	10.4	5000	12/31/02	18:38	Carmichael	8081A	5448
a-BHC	43.8	mg/kg	10.4	5000	12/31/02	18:38	Carmichael	8081A	5448
b-BHC	ND	mg/kg	10.4	5000	12/31/02	18:38	Carmichael	8081A	5448
d-BHC	ND	mg/kg	10.4	5000	12/31/02	18:38	Carmichael	8081A	5448
g-BHC, Lindane	ND	mg/kg	10.4	5000	12/31/02	18:38	Carmichael	8081A	5448
4,4'-DDD	56.3	mg/kg	20.8	5000	12/31/02	18:38	Carmichael	8081A	5448
4,4'-DDE	ND	mg/kg	20.8	5000	12/31/02	18:38	Carmichael	8081A	5448
4,4'-DDT	125.	mg/kg	20.8	5000	12/31/02	18:38	Carmichael	8081A	5448
Dieldrin	58.3	mg/kg	20.8	5000	12/31/02	18:38	Carmichael	8081A	5448
Endosulfan I	ND	mg/kg	10.4	5000	12/31/02	18:38	Carmichael	8081A	5448
Endosulfan II	ND	mg/kg	20.8	5000	12/31/02	18:38	Carmichael	8081A	5448
Endosulfan sulfate	ND	mg/kg	20.8	5000	12/31/02	18:38	Carmichael	8081A	5448
Endrin	ND	mg/kg	20.8	5000	12/31/02	18:38	Carmichael	8081A	5448
Endrin aldehyde	ND	mg/kg	20.8	5000	12/31/02	18:38	Carmichael	8081A	5448
Endrin Ketone	ND	mg/kg	20.8	5000	12/31/02	18:38	Carmichael	8081A	5448
Heptachlor	ND	mg/kg	10.4	5000	12/31/02	18:38	Carmichael	8081A	5448
Heptachlor epoxide	ND	mg/kg	10.4	5000	12/31/02	18:38	Carmichael	8081A	5448
Methoxychlor	ND	mg/kg	104.	5000	12/31/02	18:38	Carmichael	8081A	5448
Toxaphene	517.	mg/kg	208.	500	12/31/02	18:38	Carmichael	8081A	5448
alpha-Chlordane	ND	mg/kg	10.4	5000	12/31/02	18:38	Carmichael	8081A	5448
gamma-Chlordane	ND	mg/kg	10.4	5000	12/31/02	18:38	Carmichael	8081A	5448
*METALS*									
Arsenic	17.1	mg/kg	1.19	1	12/31/02	13:08	C. Martin	6010B	7686
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	79.9	%			12/23/02	15:30	K. Keller	CLP	7718

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207215

Sample ID: DG7-SC

Date Collected: 12/15/02

Project: 37778-010-1400

Time Collected: 16:01

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.5 gm	10.0 ml	12/27/02		M. Cauthen	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

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2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD HWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204719

Sample ID: DG8E-0-2

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 15:57

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	mg/kg	100.	50000	12/29/02	3:34	Carmichael	8081A	3617
a-BHC	ND	mg/kg	100.	50000	12/29/02	3:34	Carmichael	8081A	3617
b-BHC	ND	mg/kg	100.	50000	12/29/02	3:34	Carmichael	8081A	3617
d-BHC	ND	mg/kg	100.	50000	12/29/02	3:34	Carmichael	8081A	3617
g-BHC, Lindane	ND	mg/kg	100.	50000	12/29/02	3:34	Carmichael	8081A	3617
4,4'-DDD	744.	mg/kg	200.	50000	12/29/02	3:34	Carmichael	8081A	3617
4,4'-DDE	ND	mg/kg	200.	50000	12/29/02	3:34	Carmichael	8081A	3617
4,4'-DDT	704.	mg/kg	200.	50000	12/29/02	3:34	Carmichael	8081A	3617
Dieldrin	221.	mg/kg	200.	50000	12/29/02	3:34	Carmichael	8081A	3617
Endosulfan I	ND	mg/kg	100.	50000	12/29/02	3:34	Carmichael	8081A	3617
Endosulfan II	ND	mg/kg	200.	50000	12/29/02	3:34	Carmichael	8081A	3617
Endosulfan sulfate	ND	mg/kg	200.	50000	12/29/02	3:34	Carmichael	8081A	3617
Endrin	ND	mg/kg	200.	50000	12/29/02	3:34	Carmichael	8081A	3617
Endrin aldehyde	ND	mg/kg	200.	50000	12/29/02	3:34	Carmichael	8081A	3617
Endrin ketone	ND	mg/kg	200.	50000	12/29/02	3:34	Carmichael	8081A	3617
Heptachlor	ND	mg/kg	100.	50000	12/29/02	3:34	Carmichael	8081A	3617
Heptachlor epoxide	ND	mg/kg	100.	50000	12/29/02	3:34	Carmichael	8081A	3617
Methoxychlor	ND	mg/kg	1000	50000	12/29/02	3:34	Carmichael	8081A	3617
Toxaphene	4440	mg/kg	1000	2500	12/29/02	3:34	Carmichael	8081A	3617
alpha-Chlordane	ND	mg/kg	100.	50000	12/29/02	3:34	Carmichael	8081A	3617
gamma-Chlordane	ND	mg/kg	100.	50000	12/29/02	3:34	Carmichael	8081A	3617
*METALS*									
Arsenic	116.	mg/kg	1.15	1	12/26/02	12:10	C. Martin	6010B	4861
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	82.8	%			12/19/02	16:00	K. Keller	CLP	4863

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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY, STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204719

Sample ID: DGSE-0-2

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 15:57

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.7 gm	10.0 ml	12/24/02		M. Cauthen	3550

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204720

Sample ID: DGSE-2-6

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 16:00

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSIEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.340	mg/kg	0.0851	20	1/ 8/03	19:47	Carmichael	8081A	3617
Toxaphene	16.3	mg/kg	8.51	20	1/ 8/03	19:47	Carmichael	8081A	3617
*METALS*									
Arsenic	6.58	mg/kg	1.26	1	12/26/02	12:10	C. Martin	6010B	4861
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	78.3	%			12/19/02	16:00	K. Keller	CLP	4863

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/24/02		M. Cauthen	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204721

Sample ID: DGSE-6-10

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 16:10

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0045	1	12/29/03	4:03	Carmichael	8081A	3617
Toxaphene	ND	mg/kg	0.451	1	12/29/03	4:03	Carmichael	8081A	3617
*METALS*									
Arsenic	7.01	mg/kg	1.35	1	12/26/02	12:10	C. Martin	6010B	4861
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	73.9	%			12/19/02	16:00	K. Keller	CLP	4863

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.2 gm	10.0 ml	12/24/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	118.	48. - 132.
pest surr-DCB	104.	46. - 140.



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## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204721

Sample ID: DGSE-6-10

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 16:10

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204716

Sample ID: DG8W-0-2

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 15:35

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	1290	mg/kg	129.	50000	12/29/02	1:38	Carmichael	8081A	3617
a-BHC	516.	mg/kg	129.	50000	12/29/02	1:38	Carmichael	8081A	3617
b-BHC	ND	mg/kg	129.	50000	12/29/02	1:38	Carmichael	8081A	3617
d-BHC	ND	mg/kg	129.	50000	12/29/02	1:38	Carmichael	8081A	3617
g-BHC, Lindane	ND	mg/kg	129.	50000	12/29/02	1:38	Carmichael	8081A	3617
4,4'-DDD	388.	mg/kg	257.	50000	12/29/02	1:38	Carmichael	8081A	3617
4,4'-DDE	ND	mg/kg	257.	50000	12/29/02	1:38	Carmichael	8081A	3617
4,4'-DDT	1270	mg/kg	257.	50000	12/29/02	1:38	Carmichael	8081A	3617
Dieldrin	ND	mg/kg	257.	50000	12/29/02	1:38	Carmichael	8081A	3617
Endosulfan I	ND	mg/kg	129.	50000	12/29/02	1:38	Carmichael	8081A	3617
Endosulfan II	ND	mg/kg	257.	50000	12/29/02	1:38	Carmichael	8081A	3617
Endosulfan sulfate	ND	mg/kg	257.	50000	12/29/02	1:38	Carmichael	8081A	3617
Endrin	ND	mg/kg	257.	50000	12/29/02	1:38	Carmichael	8081A	3617
Endrin aldehyde	ND	mg/kg	257.	50000	12/29/02	1:38	Carmichael	8081A	3617
Endrin Ketone	ND	mg/kg	257.	50000	12/29/02	1:38	Carmichael	8081A	3617
Heptachlor	ND	mg/kg	129.	50000	12/29/02	1:38	Carmichael	8081A	3617
Heptachlor epoxide	ND	mg/kg	129.	50000	12/29/02	1:38	Carmichael	8081A	3617
Methoxychlor	ND	mg/kg	1290	50000	12/29/02	1:38	Carmichael	8081A	3617
Toxaphene	5260	mg/kg	1290	2500	12/29/02	1:38	Carmichael	8081A	3617
alpha-Chlordane	ND	mg/kg	129.	50000	12/29/02	1:38	Carmichael	8081A	3617
gamma-Chlordane	ND	mg/kg	129.	50000	12/29/02	1:38	Carmichael	8081A	3617
*METALS*									
Arsenic	28.7	mg/kg	1.49	1	12/26/02	12:10	C. Martin	6010B	4861
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	64.5	%			12/19/02	16:00	K. Keller	CLP	4863

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2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204716

Sample ID: DG&W-0-2

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 15:35

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/24/02		M. Cauthen	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693  
ERENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204717

Sample ID: DG6W-2-6 Date Collected: 12/11/02

Project: 37778-010-1400 Time Collected: 15:40

Project Name: RED PANTHER Date Received: 12/13/02

Sampler: STEVE SUSTEN Time Received: 9:00

State Certification: Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	67.7	mg/kg	21.1	5000	12/29/02	2:07	Carmichael	8081A	3617
Toxaphene	1210	mg/kg	211.	500	12/29/02	2:07	Carmichael	8081A	3617
*METALS*									
Arsenic	25.2	mg/kg	1.27	1	12/26/02	12:10	C. Martin	6010B	4861
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	78.7	%			12/19/02	16:00	K. Keller	CLP	4863

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.3 gm	10.0 ml	12/24/02		M. Cauthen	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.  
B - Analyte was detected in the method blank.  
J - Estimated Value below Report Limit.  
E - Estimated Value above the calibration limit of the instrument.  
# - Recovery outside Laboratory historical or method prescribed limits.  
All reported results for metals or Organic analyses have been corrected for dry weight.  
Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204718

Sample ID: DG8W-6-10

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 15:50

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.181	mg/kg	0.0218	5	1/ 8/03	19:18	Carmichael	8081A	3617
Toxaphene	4.54	mg/kg	4.37	10	1/ 8/03	19:18	Carmichael	8081A	3617
*METALS*									
Arsenic	9.37	mg/kg	1.27	1	12/26/02	12:10	C. Martin	6010B	4861
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	76.2	%			12/19/02	16:00	K. Keller	CLP	4863

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/24/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	110.	48. - 132.
pest surr-DCB	140.	46. - 140.

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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A204718

Sample ID: DG8W-6-10

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 15:50

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207218

Sample ID: DGS-SC

Date Collected: 12/16/02

Project: 37778-010-1400

Time Collected: 10:12

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	405.	mg/kg	56.2	25000	12/31/02	12:25	Carmichael	8081A	6207
a-BHC	281.	mg/kg	56.2	25000	12/31/02	12:25	Carmichael	8081A	6207
b-BHC	72.0	mg/kg	11.2	5000	12/31/02	12:25	Carmichael	8081A	6207
d-BHC	24.7	mg/kg	11.2	5000	12/31/02	12:25	Carmichael	8081A	6207
g-BHC, Lindane	35.9	mg/kg	11.2	5000	12/31/02	12:25	Carmichael	8081A	6207
4,4'-DDD	708.	mg/kg	112.	25000	12/31/02	12:25	Carmichael	8081A	6207
4,4'-DDE	338.	mg/kg	22.4	5000	12/31/02	12:25	Carmichael	8081A	6207
4,4'-DDT	1100	mg/kg	112.	25000	12/31/02	12:25	Carmichael	8081A	6207
Dieldrin	405.	mg/kg	112.	25000	12/31/02	12:25	Carmichael	8081A	6207
Endosulfan I	ND	mg/kg	11.2	5000	12/31/02	12:25	Carmichael	8081A	6207
Endosulfan II	ND	mg/kg	22.4	5000	12/31/02	12:25	Carmichael	8081A	6207
Endosulfan sulfate	ND	mg/kg	22.4	5000	12/31/02	12:25	Carmichael	8081A	6207
Endrin	ND	mg/kg	22.4	5000	12/31/02	12:25	Carmichael	8081A	6207
Endrin aldehyde	ND	mg/kg	22.4	5000	12/31/02	12:25	Carmichael	8081A	6207
Endrin Ketone	ND	mg/kg	22.4	5000	12/31/02	12:25	Carmichael	8081A	6207
Heptachlor	ND	mg/kg	11.2	5000	12/31/02	12:25	Carmichael	8081A	6207
Heptachlor epoxide	ND	mg/kg	11.2	5000	12/31/02	12:25	Carmichael	8081A	6207
Methoxychlor	ND	mg/kg	112.	5000	12/31/02	12:25	Carmichael	8081A	6207
Toxaphene	ND	mg/kg	2240	5000	12/31/02	12:25	Carmichael	8081A	6207
alpha-Chlordane	ND	mg/kg	11.2	5000	12/31/02	12:25	Carmichael	8081A	6207
gamma-Chlordane	ND	mg/kg	11.2	5000	12/31/02	12:25	Carmichael	8081A	6207
<b>*METALS*</b>									
Arsenic	257.	mg/kg	1.31	1	12/31/02	12:47	C. Martin	6010B	7688
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	74.0	%			12/23/02	15:30	K. Keller	CLP	7720

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207218

Sample ID: DG8-SC

Date Collected: 12/16/02

Project: 37778-010-1400

Time Collected: 10:12

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.7 gm	10.0 ml	12/28/02		M. Cauthen	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.



TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204725

Sample ID: DG9E-0-2

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 16:40

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	11.5	mg/kg	9.60	5000	12/29/02	6:57	Carmichael	8081A	3617
a-BHC	ND	mg/kg	9.60	5000	12/29/02	6:57	Carmichael	8081A	3617
b-BHC	ND	mg/kg	9.60	5000	12/29/02	6:57	Carmichael	8081A	3617
d-BHC	ND	mg/kg	9.60	5000	12/29/02	6:57	Carmichael	8081A	3617
g-BHC, Lindane	ND	mg/kg	9.60	5000	12/29/02	6:57	Carmichael	8081A	3617
4,4'-DDD	92.2	mg/kg	19.1	5000	12/29/02	6:57	Carmichael	8081A	3617
4,4'-DDE	28.8	mg/kg	19.1	5000	12/29/02	6:57	Carmichael	8081A	3617
4,4'-DDT	173.	mg/kg	19.1	5000	12/29/02	6:57	Carmichael	8081A	3617
Dieldrin	34.6	mg/kg	19.1	5000	12/29/02	6:57	Carmichael	8081A	3617
Endosulfan I	ND	mg/kg	9.60	5000	12/29/02	6:57	Carmichael	8081A	3617
Endosulfan II	ND	mg/kg	19.1	5000	12/29/02	6:57	Carmichael	8081A	3617
Endosulfan sulfate	ND	mg/kg	19.1	5000	12/29/02	6:57	Carmichael	8081A	3617
Endrin	ND	mg/kg	19.1	5000	12/29/02	6:57	Carmichael	8081A	3617
Endrin aldehyde	ND	mg/kg	19.1	5000	12/29/02	6:57	Carmichael	8081A	3617
Endrin Ketone	ND	mg/kg	19.1	5000	12/29/02	6:57	Carmichael	8081A	3617
Heptachlor	ND	mg/kg	9.60	5000	12/29/02	6:57	Carmichael	8081A	3617
Heptachlor epoxide	ND	mg/kg	9.60	5000	12/29/02	6:57	Carmichael	8081A	3617
Methoxychlor	ND	mg/kg	96.0	5000	12/29/02	6:57	Carmichael	8081A	3617
Toxaphene	586.	mg/kg	191.	500	12/29/02	6:57	Carmichael	8081A	3617
alpha-Chlordane	ND	mg/kg	9.60	5000	12/29/02	6:57	Carmichael	8081A	3617
gamma-Chlordane	ND	mg/kg	9.60	5000	12/29/02	6:57	Carmichael	8081A	3617
*METALS*									
Arsenic	35.4	mg/kg	1.13	1	12/26/02	12:10	C. Martin	6010B	4861
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	86.7	%			12/19/02	16:00	K. Keller	CLP	4863

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A204725

Sample ID: DG9E-0-2

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 16:40

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.9 gm	10.0 ml	12/24/02		M. Cauthen	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204726

Sample ID: DG9E-2-6

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 16:50

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.0443	mg/kg	0.0201	5	12/29/02	7:26	Carmichael	8081A	3617
Toxaphene	ND	mg/kg	0.403	1	12/29/02	7:26	Carmichael	8081A	3617
*METALS*									
Arsenic	4.47	mg/kg	1.17	1	12/26/02	12:10	C. Martin	6010B	4861
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	82.7	%			12/19/02	16:00	K. Keller	CLP	4863

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.4 gm	10.0 ml	12/24/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TQM	60.	48. - 132.
pest surr-DCB	60.	46. - 140.

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2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204726

Sample ID: DG9E-2-6

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 16:50

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204727

Sample ID: DG9E-6-10

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 17:00

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.0120	mg/kg	0.0044	1	12/29/02	7:55	Carmichael	8081A	3617
Toxaphene	ND	mg/kg	0.442	1	12/29/02	7:55	Carmichael	8081A	3617
*METALS*									
Arsenic	4.50	mg/kg	1.33	1	12/26/02	12:10	C. Martin	6010B	4861
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	75.3	%			12/19/02	16:00	K. Keller	CLP	4863

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.5 gm	10.0 ml	12/24/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TCM	116.	48. - 132.
pest surr-DCB	106.	46. - 140.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A204727

Sample ID: DG9E-6-10

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 17:00

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204722

Sample ID: DG9W-0-2

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 16:20

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	232.	mg/kg	116.	50000	12/29/03	5:30	Carmichael	8081A	3617
a-BHC	ND	mg/kg	116.	50000	12/29/03	5:30	Carmichael	8081A	3617
b-BHC	ND	mg/kg	116.	50000	12/29/03	5:30	Carmichael	8081A	3617
d-BHC	ND	mg/kg	116.	50000	12/29/03	5:30	Carmichael	8081A	3617
g-BHC, Lindane	ND	mg/kg	116.	50000	12/29/03	5:30	Carmichael	8081A	3617
4,4'-DDD	466.	mg/kg	232.	50000	12/29/03	5:30	Carmichael	8081A	3617
4,4'-DDE	ND	mg/kg	232.	50000	12/29/03	5:30	Carmichael	8081A	3617
4,4'-DDT	629.	mg/kg	232.	50000	12/29/03	5:30	Carmichael	8081A	3617
Dieldrin	629.	mg/kg	232.	50000	12/29/03	5:30	Carmichael	8081A	3617
Endosulfan I	ND	mg/kg	116.	50000	12/29/03	5:30	Carmichael	8081A	3617
Endosulfan II	ND	mg/kg	232.	50000	12/29/03	5:30	Carmichael	8081A	3617
Endosulfan sulfate	ND	mg/kg	232.	50000	12/29/03	5:30	Carmichael	8081A	3617
Endrin	ND	mg/kg	232.	50000	12/29/03	5:30	Carmichael	8081A	3617
Endrin aldehyde	ND	mg/kg	232.	50000	12/29/03	5:30	Carmichael	8081A	3617
Endrin Ketone	ND	mg/kg	232.	50000	12/29/03	5:30	Carmichael	8081A	3617
Heptachlor	ND	mg/kg	116.	50000	12/29/03	5:30	Carmichael	8081A	3617
Heptachlor epoxide	ND	mg/kg	116.	50000	12/29/03	5:30	Carmichael	8081A	3617
Methoxychlor	ND	mg/kg	1160	50000	12/29/03	5:30	Carmichael	8081A	3617
Toxaphene	3550	mg/kg	1160	2500	12/29/03	5:30	Carmichael	8081A	3617
alpha-Chlordane	ND	mg/kg	116.	50000	12/29/03	5:30	Carmichael	8081A	3617
gamma-Chlordane	ND	mg/kg	116.	50000	12/29/03	5:30	Carmichael	8081A	3617
<b>*METALS*</b>									
Arsenic	49.9	mg/kg	1.36	1	12/26/02	12:10	C. Martin	6010B	4861
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	71.5	%			12/19/02	16:00	K. Keller	CLP	4863

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204722

Sample ID: DG9W-0-2

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 16:20

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.3 gm	10.0 ml	12/24/02		M. Cauthen	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.



TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204723

Sample ID: DG9W-2-6

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 16:25

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	4.59	mg/kg	2.08	500	12/29/03	5:59	Carmichael	8081A	3617
Toxaphene	48.6	mg/kg	20.8	50	12/29/03	5:59	Carmichael	8081A	3617
*METALS*									
Arsenic	4.34	mg/kg	1.20	1	12/26/02	12:10	C. Martin	6010B	4861
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	79.8	%			12/19/02	16:00	K. Keller	CLP	4863

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.2 gm	10.0 ml	12/24/02		M. Cauthen	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

/ - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
 2960 Foster Creighton Drive  
 Nashville, Tennessee 37204

ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005  
 Lab Number: 02-A204724

Sample ID: DG9W-6-10  
 Date Collected: 12/11/02

Project: 37778-010-1400  
 Time Collected: 16:30

Project Name: RED PANTHER  
 Date Received: 12/13/02

Sampler: STEVE SUSTEN  
 Time Received: 9:00

State Certification:  
 Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Dieldrin	0.0324	mg/kg	0.0215	5	12/29/02	6:28	Carmichael	8081A	3617
Toxaphene	ND	mg/kg	0.432	1	12/29/02	6:28	Carmichael	8081A	3617
*METALS*									
Arsenic	6.96	mg/kg	1.28	1	12/26/02	12:10	C. Martin	6010B	4861
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	77.1	%			12/19/02	16:00	K. Keller	CLP	4863

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.3 gm	10.0 ml	12/24/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	130.	48. - 132.
pest surr-DCB	120.	46. - 140.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204724

Sample ID: DG9W-6-10

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 16:30

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207217

Sample ID: DG9-SC

Date Collected: 12/16/02

Project: 37778-010-1400

Time Collected: 9:33

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	92.0	mg/kg	10.9	5000	12/31/02	0:33	Carmichael	8081A	5448
a-BHC	ND	mg/kg	10.9	5000	12/31/02	0:33	Carmichael	8081A	5448
b-BHC	ND	mg/kg	10.9	5000	12/31/02	0:33	Carmichael	8081A	5448
d-BHC	ND	mg/kg	10.9	5000	12/31/02	0:33	Carmichael	8081A	5448
g-BHC, Lindane	ND	mg/kg	10.9	5000	12/31/02	0:33	Carmichael	8081A	5448
4,4'-DDD	127.	mg/kg	21.8	5000	12/31/02	0:33	Carmichael	8081A	5448
4,4'-DDE	221.	mg/kg	21.8	5000	12/31/02	0:33	Carmichael	8081A	5448
4,4'-DDT	1910	mg/kg	218.	50000	12/31/02	0:33	Carmichael	8081A	5448
Dieldrin	208.	mg/kg	21.8	5000	12/31/02	0:33	Carmichael	8081A	5448
Endosulfan I	ND	mg/kg	10.9	5000	12/31/02	0:33	Carmichael	8081A	5448
Endosulfan II	ND	mg/kg	21.8	5000	12/31/02	0:33	Carmichael	8081A	5448
Endosulfan sulfate	ND	mg/kg	21.8	5000	12/31/02	0:33	Carmichael	8081A	5448
Endrin	109.	mg/kg	21.8	5000	12/31/02	0:33	Carmichael	8081A	5448
Endrin aldehyde	ND	mg/kg	21.8	5000	12/31/02	0:33	Carmichael	8081A	5448
Endrin Ketone	ND	mg/kg	21.8	5000	12/31/02	0:33	Carmichael	8081A	5448
Heptachlor	ND	mg/kg	10.9	5000	12/31/02	0:33	Carmichael	8081A	5448
Heptachlor epoxide	ND	mg/kg	10.9	5000	12/31/02	0:33	Carmichael	8081A	5448
Methoxychlor	ND	mg/kg	109.	5000	12/31/02	0:33	Carmichael	8081A	5448
Toxaphene	5030	mg/kg	876.	2000	12/31/02	0:33	Carmichael	8081A	5448
alpha-Chlordane	ND	mg/kg	10.9	5000	12/31/02	0:33	Carmichael	8081A	5448
gamma-Chlordane	ND	mg/kg	10.9	5000	12/31/02	0:33	Carmichael	8081A	5448
*METALS*									
Arsenic	1100	mg/kg	1.29	1	12/31/02	13:08	C. Martin	6010B	7686
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	76.0	%			12/23/02	15:30	K. Keller	CLP	7720

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207217

Sample ID: DG9-SC

Date Collected: 12/16/02

Project: 37778-010-1400

Time Collected: 9:33

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.7 gm	10.0 ml	12/27/02		M. Cauthen	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

/ - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDHARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204731

Sample ID: DG10E-0-3

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 10:50

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	mg/kg	9.30	5000	1/ 8/03	20:16	Carmichael	8081A	3617
a-BHC	31.6	mg/kg	9.30	5000	1/ 8/03	20:16	Carmichael	8081A	3617
b-BHC	33.5	mg/kg	9.30	5000	1/ 8/03	20:16	Carmichael	8081A	3617
d-BHC	ND	mg/kg	9.30	5000	1/ 8/03	20:16	Carmichael	8081A	3617
g-BHC, Lindane	ND	mg/kg	9.30	5000	1/ 8/03	20:16	Carmichael	8081A	3617
4,4'-DDD	160.	mg/kg	18.5	5000	1/ 8/03	20:16	Carmichael	8081A	3617
4,4'-DDE	72.5	mg/kg	18.5	5000	1/ 8/03	20:16	Carmichael	8081A	3617
4,4'-DDT	503.	mg/kg	185.	50000	1/ 8/03	20:16	Carmichael	8081A	3617
Dieldrin	37.2	mg/kg	18.5	5000	1/ 8/03	20:16	Carmichael	8081A	3617
Endosulfan I	ND	mg/kg	9.30	5000	1/ 8/03	20:16	Carmichael	8081A	3617
Endosulfan II	ND	mg/kg	18.5	5000	1/ 8/03	20:16	Carmichael	8081A	3617
Endosulfan sulfate	ND	mg/kg	18.5	5000	1/ 8/03	20:16	Carmichael	8081A	3617
Endrin	ND	mg/kg	18.5	5000	1/ 8/03	20:16	Carmichael	8081A	3617
Endrin aldehyde	ND	mg/kg	18.5	5000	1/ 8/03	20:16	Carmichael	8081A	3617
Endrin ketone	ND	mg/kg	18.5	5000	1/ 8/03	20:16	Carmichael	8081A	3617
Heptachlor	ND	mg/kg	9.30	5000	1/ 8/03	20:16	Carmichael	8081A	3617
Heptachlor epoxide	ND	mg/kg	9.30	5000	1/ 8/03	20:16	Carmichael	8081A	3617
Methoxychlor	ND	mg/kg	93.0	5000	1/ 8/03	20:16	Carmichael	8081A	3617
Toxaphene	2840	mg/kg	930.	2500	1/ 8/03	20:16	Carmichael	8081A	3617
alpha-Chlordane	ND	mg/kg	9.30	5000	1/ 8/03	20:16	Carmichael	8081A	3617
gamma-Chlordane	ND	mg/kg	9.30	5000	1/ 8/03	20:16	Carmichael	8081A	3617
*METALS*									
Arsenic	144.	mg/kg	1.12	1	12/26/02	12:10	C. Martin	6010B	4861
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	89.5	%			12/19/02	16:00	K. Keller	CLP	4863

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204731

Sample ID: DG10E-0-3

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 10:50

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/24/02		M. Cauthen	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix. DDE and Dieldrin results were >40% different between analytical columns.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD HWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204732

Sample ID: DG10E-3-6

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 11:20

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.0613	mg/kg	0.0211	5	12/29/02	10:20	Carmichael	8081A	3617
Toxaphene	0.896	mg/kg	0.423	1	12/29/02	10:20	Carmichael	8081A	3617
*METALS*									
Arsenic	12.6	mg/kg	1.23	1	12/26/02	12:10	C. Martin	6010B	4861
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	78.8	X			12/19/02	16:00	K. Keller	CLP	4863

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.1 gm	10.0 ml	12/24/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	120.	48. - 132.
pest surr-DCB	110.	46. - 140.



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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204732

Sample ID: DG10E-3-6

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 11:20

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A204733

Sample ID: DG10E-6-10

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 11:30

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Dieldrin	0.0219	mg/kg	0.0045	1	1/ 3/03	18:15	Carmichael	8081A	3617
Toxaphene	ND	mg/kg	0.457	1	1/ 3/03	18:15	Carmichael	8081A	3617
*METALS*									
Arsenic	5.53	mg/kg	1.32	1	12/26/02	12:10	C. Martin	6010B	4861
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	72.9	%			12/19/02	16:00	K. Keller	CLP	4863

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/24/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	100.	48. - 132.
pest surr-DCB	92.	46. - 140.

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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A204733

Sample ID: DG10E-6-10

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 11:30

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204728

Sample ID: DG10W-0-2

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 10:50

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	mg/kg	3.94	2000	12/29/02	8:24	Carmichael	8081A	3617
a-BHC	6.30	mg/kg	3.94	2000	12/29/02	8:24	Carmichael	8081A	3617
b-BHC	ND	mg/kg	3.94	2000	12/29/02	8:24	Carmichael	8081A	3617
d-BHC	ND	mg/kg	3.94	2000	12/29/02	8:24	Carmichael	8081A	3617
g-BHC, Lindane	ND	mg/kg	3.94	2000	12/29/02	8:24	Carmichael	8081A	3617
4,4'-DDD	16.5	mg/kg	7.87	2000	12/29/02	8:24	Carmichael	8081A	3617
4,4'-DDE	ND	mg/kg	7.87	2000	12/29/02	8:24	Carmichael	8081A	3617
4,4'-DDT	87.4	mg/kg	7.87	2000	12/29/02	8:24	Carmichael	8081A	3617
Dieldrin	ND	mg/kg	7.87	2000	12/29/02	8:24	Carmichael	8081A	3617
Endosulfan I	ND	mg/kg	3.94	2000	12/29/02	8:24	Carmichael	8081A	3617
Endosulfan II	ND	mg/kg	7.87	2000	12/29/02	8:24	Carmichael	8081A	3617
Endosulfan sulfate	ND	mg/kg	7.87	2000	12/29/02	8:24	Carmichael	8081A	3617
Endrin	ND	mg/kg	7.87	2000	12/29/02	8:24	Carmichael	8081A	3617
Endrin aldehyde	ND	mg/kg	7.87	2000	12/29/02	8:24	Carmichael	8081A	3617
Endrin Ketone	ND	mg/kg	7.87	2000	12/29/02	8:24	Carmichael	8081A	3617
Heptachlor	ND	mg/kg	3.94	2000	12/29/02	8:24	Carmichael	8081A	3617
Heptachlor epoxide	ND	mg/kg	3.94	2000	12/29/02	8:24	Carmichael	8081A	3617
Methoxychlor	ND	mg/kg	39.4	2000	12/29/02	8:24	Carmichael	8081A	3617
Toxaphene	180.	mg/kg	78.7	200	12/29/02	8:24	Carmichael	8081A	3617
alpha-Chlordane	ND	mg/kg	3.94	2000	12/29/02	8:24	Carmichael	8081A	3617
gamma-Chlordane	ND	mg/kg	3.94	2000	12/29/02	8:24	Carmichael	8081A	3617
*METALS*									
Arsenic	28.8	mg/kg	1.18	1	12/26/02	12:10	C. Martin	6010B	4861
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	84.6	%			12/19/02	16:00	K. Keller	CLP	4863

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## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204728

Sample ID: DG10W-0-2

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 10:50

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.2 gm	10.0 ml	12/24/02		M. Cauthen	3550

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A204729

Sample ID: DGI0W-2-6

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 10:55

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Dieldrin	0.196	mg/kg	0.0854	20	12/29/02	8:53	Carmichael	8081A	3617
Toxaphene	3.00	mg/kg	0.854	2	12/29/02	8:53	Carmichael	8081A	3617
*METALS*									
Arsenic	9.73	mg/kg	1.24	1	12/26/02	12:10	C. Martin	6010B	4861
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	78.0	%			12/19/02	16:00	K. Keller	CLP	4863

## Sample Extraction Data

Parameter	Nt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.9 gm	10.0 ml	12/24/02		M. Cauthen	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A204730

Sample ID: DG10W-6-10

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 11:30

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.0116	mg/kg	0.0090	2	12/29/02	9:22	Carmichael	8081A	3617
Toxaphene	ND	mg/kg	0.446	1	12/29/02	9:22	Carmichael	8081A	3617
*METALS*									
Arsenic	5.70	mg/kg	1.30	1	12/26/02	12:10	C. Martin	6010B	4861
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	74.7	%			12/19/02	16:00	K. Keller	CLP	4863

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.2 gm	10.0 ml	12/24/02		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pest surr-TCMX	120.	48. - 132.
pest surr-DCB	108.	46. - 140.

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Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD HWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A204730

Sample ID: DG10W-6-10

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 11:30

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.



TEST AMERICA INC  
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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207220

Sample ID: DG10-SC

Date Collected: 12/16/02

Project: 37778-010-1400

Time Collected: 11:12

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	mg/kg	1.01	500	12/31/02	13:58	Carmichael	8081A	6207
a-BHC	ND	mg/kg	1.01	500	12/31/02	13:58	Carmichael	8081A	6207
b-BHC	6.89	mg/kg	1.01	500	12/31/02	13:58	Carmichael	8081A	6207
d-BHC	ND	mg/kg	1.01	500	12/31/02	13:58	Carmichael	8081A	6207
g-BHC, Lindane	ND	mg/kg	1.01	500	12/31/02	13:58	Carmichael	8081A	6207
4,4'-DDD	46.6	mg/kg	20.2	5000	12/31/02	13:58	Carmichael	8081A	6207
4,4'-DDE	16.7	mg/kg	2.02	500	12/31/02	13:58	Carmichael	8081A	6207
4,4'-DDT	81.0	mg/kg	20.2	5000	12/31/02	13:58	Carmichael	8081A	6207
Dieldrin	50.6	mg/kg	20.2	5000	12/31/02	13:58	Carmichael	8081A	6207
Endosulfan I	ND	mg/kg	1.01	500	12/31/02	13:58	Carmichael	8081A	6207
Endosulfan II	ND	mg/kg	2.02	500	12/31/02	13:58	Carmichael	8081A	6207
Endosulfan sulfate	ND	mg/kg	2.02	500	12/31/02	13:58	Carmichael	8081A	6207
Endrin	4.45	mg/kg	2.02	500	12/31/02	13:58	Carmichael	8081A	6207
Endrin aldehyde	ND	mg/kg	2.02	500	12/31/02	13:58	Carmichael	8081A	6207
Endrin Ketone	2.83	mg/kg	2.02	500	12/31/02	13:58	Carmichael	8081A	6207
Heptachlor	ND	mg/kg	1.01	500	12/31/02	13:58	Carmichael	8081A	6207
Heptachlor epoxide	ND	mg/kg	1.01	500	12/31/02	13:58	Carmichael	8081A	6207
Methoxychlor	ND	mg/kg	10.1	500	12/31/02	13:58	Carmichael	8081A	6207
Toxaphene	ND	mg/kg	202.	500	12/31/02	13:58	Carmichael	8081A	6207
alpha-Chlordane	ND	mg/kg	1.01	500	12/31/02	13:58	Carmichael	8081A	6207
gamma-Chlordane	ND	mg/kg	1.01	500	12/31/02	13:58	Carmichael	8081A	6207
*METALS*									
Arsenic	95.3	mg/kg	1.22	1	12/31/02	12:47	C. Martin	6010B	7688
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	82.2	%			12/23/02	15:30	K. Keller	CLP	7720

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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A207220

Sample ID: DGI0-SC

Date Collected: 12/16/02

Project: 37778-010-1400

Time Collected: 11:12

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/28/02		M. Cauthen	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204737

Sample ID: DGL1E-0-2 Date Collected: 12/12/02

Project: 37778-010-1400 Time Collected: 10:25

Project Name: RED PANTHER Date Received: 12/13/02

Sampler: STEVE SUSTEN Time Received: 9:00

State Certification: Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.190	100	12/28/02	9:07	Carmichael	8081A	3880
a-BHC	ND	mg/kg	0.190	100	12/28/02	9:07	Carmichael	8081A	3880
b-BHC	1.98	mg/kg	0.190	100	12/28/02	9:07	Carmichael	8081A	3880
d-BHC	ND	mg/kg	0.190	100	12/28/02	9:07	Carmichael	8081A	3880
g-BHC, Lindane	ND	mg/kg	0.190	100	12/28/02	9:07	Carmichael	8081A	3880
4,4'-DDD	0.993	mg/kg	0.382	100	12/28/02	9:07	Carmichael	8081A	3880
4,4'-DDE	2.21	mg/kg	0.382	100	12/28/02	9:07	Carmichael	8081A	3880
4,4'-DDT	16.1	mg/kg	1.90	500	12/28/02	9:07	Carmichael	8081A	3880
Dieldrin	1.83	mg/kg	0.382	100	12/28/02	9:07	Carmichael	8081A	3880
Endosulfan I	ND	mg/kg	0.190	100	12/28/02	9:07	Carmichael	8081A	3880
Endosulfan II	ND	mg/kg	0.382	100	12/28/02	9:07	Carmichael	8081A	3880
Endosulfan sulfate	ND	mg/kg	0.382	100	12/28/02	9:07	Carmichael	8081A	3880
Endrin	ND	mg/kg	0.382	100	12/28/02	9:07	Carmichael	8081A	3880
Endrin aldehyde	ND	mg/kg	0.382	100	12/28/02	9:07	Carmichael	8081A	3880
Endrin Ketone	ND	mg/kg	0.382	100	12/28/02	9:07	Carmichael	8081A	3880
Heptachlor	ND	mg/kg	0.190	100	12/28/02	9:07	Carmichael	8081A	3880
Heptachlor epoxide	ND	mg/kg	0.190	100	12/28/02	9:07	Carmichael	8081A	3880
Methoxychlor	ND	mg/kg	1.90	100	12/28/02	9:07	Carmichael	8081A	3880
Toxaphene	ND	mg/kg	38.2	100	12/28/02	9:07	Carmichael	8081A	3880
alpha-Chlordane	ND	mg/kg	0.190	100	12/28/02	9:07	Carmichael	8081A	3880
gamma-Chlordane	ND	mg/kg	0.190	100	12/28/02	9:07	Carmichael	8081A	3880
<b>*METALS*</b>									
Arsenic	5.19	mg/kg	1.12	1	12/26/02	15:28	C. Martin	6010B	4862
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	87.2	%			12/19/02	16:00	K. Keller	CLP	4864

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204737

Sample ID: DG11E-0-2

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 10:25

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/26/02		M. Ricke	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204738

Sample ID: DGL1E-2-6

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 10:30

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.0352	mg/kg	0.0041	1	12/28/02	2:23	Carmichael	8081A	3880
Toxaphene	ND	mg/kg	0.414	1	12/28/02	2:23	Carmichael	8081A	3880
*METALS*									
Arsenic	3.13	mg/kg	1.20	1	12/26/02	15:28	C. Martin	6010B	4862
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	80.5	%			12/19/02	16:00	K. Keller	CLP	4864

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.5 gm	10.0 ml	12/26/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TCMX	94.	48. - 132.
pest surr-DCB	106.	46. - 140.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A204738

Sample ID: DG11E-2-6

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 10:30

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204739

Sample ID: DGIIE-6-10

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 10:40

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.0114	mg/kg	0.0043	1	12/28/02	2:52	Carmichael	8081A	3880
Toxaphene	ND	mg/kg	0.436	1	12/28/02	2:52	Carmichael	8081A	3880
*METALS*									
Arsenic	3.10	mg/kg	1.30	1	12/26/02	15:28	C. Martin	6010B	4862
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	76.4	%			12/19/02	16:00	K. Keller	CLP	4864

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.5 gm	10.0 ml	12/26/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	94.	48. - 132.
pest surr-DCB	102.	46. - 140.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
ERENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204739

Sample ID: DG11E-6-10

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 10:40

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - # - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.



TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204734

Sample ID: DGL1W-0-2

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 9:55

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Aldrin	ND	mg/kg	97.2	50000	1/ 3/03	18:44	Carmichael	8081A	3617
a-BHC	ND	mg/kg	97.2	50000	1/ 3/03	18:44	Carmichael	8081A	3617
b-BHC	137.	mg/kg	97.2	50000	1/ 3/03	18:44	Carmichael	8081A	3617
d-BHC	ND	mg/kg	97.2	50000	1/ 3/03	18:44	Carmichael	8081A	3617
g-BHC, Lindane	ND	mg/kg	97.2	50000	1/ 3/03	18:44	Carmichael	8081A	3617
4,4'-DDD	ND	mg/kg	194.	50000	1/ 3/03	18:44	Carmichael	8081A	3617
4,4'-DDE	ND	mg/kg	194.	50000	1/ 3/03	18:44	Carmichael	8081A	3617
4,4'-DDT	2640	mg/kg	194.	50000	1/ 3/03	18:44	Carmichael	8081A	3617
Dieldrin	720.	mg/kg	194.	50000	1/ 3/03	18:44	Carmichael	8081A	3617
Endosulfan I	ND	mg/kg	97.2	50000	1/ 3/03	18:44	Carmichael	8081A	3617
Endosulfan II	ND	mg/kg	194.	50000	1/ 3/03	18:44	Carmichael	8081A	3617
Endosulfan sulfate	ND	mg/kg	194.	50000	1/ 3/03	18:44	Carmichael	8081A	3617
Endrin	ND	mg/kg	194.	50000	1/ 3/03	18:44	Carmichael	8081A	3617
Endrin aldehyde	ND	mg/kg	194.	50000	1/ 3/03	18:44	Carmichael	8081A	3617
Endrin Ketone	ND	mg/kg	194.	50000	1/ 3/03	18:44	Carmichael	8081A	3617
Heptachlor	ND	mg/kg	97.2	50000	1/ 3/03	18:44	Carmichael	8081A	3617
Heptachlor epoxide	ND	mg/kg	97.2	50000	1/ 3/03	18:44	Carmichael	8081A	3617
Methoxychlor	ND	mg/kg	972.	50000	1/ 3/03	18:44	Carmichael	8081A	3617
Toxaphene	4790	mg/kg	972.	2500	1/ 3/03	18:44	Carmichael	8081A	3617
alpha-Chlordane	ND	mg/kg	97.2	50000	1/ 3/03	18:44	Carmichael	8081A	3617
gamma-Chlordane	ND	mg/kg	97.2	50000	1/ 3/03	18:44	Carmichael	8081A	3617
*METALS*									
Arsenic	28.5	mg/kg	1.12	1	12/26/02	12:10	C. Martin	6010B	4861
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	85.6	%			12/19/02	16:00	K. Keller	CLP	4863

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204734

Sample ID: DGL1W-0-2

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 9:55

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.5 gm	10.0 ml	12/24/02		M. Cauthen	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDHARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204735

Sample ID: DGL1W-2-6

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 10:05

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Dieldrin	2.20	ng/kg	0.205	50	12/29/02	12:44	Carmichael	8081A	3617
Toxaphene	26.3	ng/kg	8.23	20	12/29/02	12:44	Carmichael	8081A	3617
*METALS*									
Arsenic	4.68	ng/kg	1.24	1	12/26/02	12:10	C. Martin	6010B	4861
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	80.9	%			12/19/02	16:00	K. Keller	CLP	4863

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.4 gm	10.0 ml	12/24/02		M. Cauthen	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
 2960 Foster Creighton Drive  
 Nashville, Tennessee 37204

ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD HWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A204736

Sample ID: DG11W-6-10

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 10:15

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Dieldrin	ND	mg/kg	0.0043	1	12/28/02	1:54	Carmichael	8081A	3880
Toxaphene	ND	mg/kg	0.439	1	12/28/02	1:54	Carmichael	8081A	3880
<b>*METALS*</b>									
Arsenic	5.44	mg/kg	1.29	1	12/26/02	15:28	C. Martin	6010B	4862
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	75.9	%			12/19/02	16:00	K. Keller	CLP	4864

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/26/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	112.	48. - 132.
pest surr-DCB	110.	46. - 140.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204736

Sample ID: DGL1W-6-10

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 10:15

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207219

Sample ID: DGI1-SC

Date Collected: 12/16/02

Project: 37778-010-1400

Time Collected: 10:45

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	2.01	mg/kg	1.01	500	12/31/02	12:56	Carmichael	8081A	6207
a-BHC	1.21	mg/kg	1.01	500	12/31/02	12:56	Carmichael	8081A	6207
b-BHC	20.1	mg/kg	1.01	500	12/31/02	12:56	Carmichael	8081A	6207
d-BHC	ND	mg/kg	1.01	500	12/31/02	12:56	Carmichael	8081A	6207
g-BHC, Lindane	ND	mg/kg	1.01	500	12/31/02	12:56	Carmichael	8081A	6207
4,4'-DDD	25.2	mg/kg	2.01	500	12/31/02	12:56	Carmichael	8081A	6207
4,4'-DDE	7.67	mg/kg	2.01	500	12/31/02	12:56	Carmichael	8081A	6207
4,4'-DDT	525.	mg/kg	40.4	10000	12/31/02	12:56	Carmichael	8081A	6207
Dieldrin	40.4	mg/kg	40.4	10000	12/31/02	12:56	Carmichael	8081A	6207
Endosulfan I	ND	mg/kg	1.01	500	12/31/02	12:56	Carmichael	8081A	6207
Endosulfan II	ND	mg/kg	2.01	500	12/31/02	12:56	Carmichael	8081A	6207
Endosulfan sulfate	ND	mg/kg	2.01	500	12/31/02	12:56	Carmichael	8081A	6207
Endrin	2.82	mg/kg	2.01	500	12/31/02	12:56	Carmichael	8081A	6207
Endrin aldehyde	ND	mg/kg	2.01	500	12/31/02	12:56	Carmichael	8081A	6207
Endrin Ketone	ND	mg/kg	2.01	500	12/31/02	12:56	Carmichael	8081A	6207
Heptachlor	ND	mg/kg	1.01	500	12/31/02	12:56	Carmichael	8081A	6207
Heptachlor epoxide	ND	mg/kg	1.01	500	12/31/02	12:56	Carmichael	8081A	6207
Methoxychlor	ND	mg/kg	10.1	500	12/31/02	12:56	Carmichael	8081A	6207
Toxaphene	ND	mg/kg	201.	500	12/31/02	12:56	Carmichael	8081A	6207
alpha-Chlordane	ND	mg/kg	1.01	500	12/31/02	12:56	Carmichael	8081A	6207
gamma-Chlordane	ND	mg/kg	1.01	500	12/31/02	12:56	Carmichael	8081A	6207
*METALS*									
Arsenic	3.93	mg/kg	1.15	1	12/31/02	12:47	C. Martin	6010B	7688
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	82.5	%			12/23/02	15:30	K. Keller	CLP	7720

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207219

Sample ID: DG11-SC

Date Collected: 12/16/02

Project: 37778-010-1400

Time Collected: 10:45

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.3 gm	10.0 ml	12/28/02		M. Cauthen	3550

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204740

Sample ID: DFT-1-0-2

Date Collected: 12/12/02

Project: 37776-010-1400

Time Collected: 8:40

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/kg	4.07	2000	12/28/02	13:45	Carmichael	8081A	3880
a-BHC	ND	mg/kg	4.07	2000	12/28/02	13:45	Carmichael	8081A	3880
b-BHC	ND	mg/kg	4.07	2000	12/28/02	13:45	Carmichael	8081A	3880
d-BHC	ND	mg/kg	4.07	2000	12/28/02	13:45	Carmichael	8081A	3880
g-BHC, Lindane	ND	mg/kg	4.07	2000	12/28/02	13:45	Carmichael	8081A	3880
4,4'-DDD	63.4	mg/kg	8.14	2000	12/28/02	13:45	Carmichael	8081A	3880
4,4'-DDE	23.6	mg/kg	8.14	2000	12/28/02	13:45	Carmichael	8081A	3880
4,4'-DDT	57.8	mg/kg	8.14	2000	12/28/02	13:45	Carmichael	8081A	3880
Dieldrin	56.2	mg/kg	8.14	2000	12/28/02	13:45	Carmichael	8081A	3880
Endosulfan I	ND	mg/kg	4.07	2000	12/28/02	13:45	Carmichael	8081A	3880
Endosulfan II	ND	mg/kg	8.14	2000	12/28/02	13:45	Carmichael	8081A	3880
Endosulfan sulfate	ND	mg/kg	8.14	2000	12/28/02	13:45	Carmichael	8081A	3880
Endrin	ND	mg/kg	8.14	2000	12/28/02	13:45	Carmichael	8081A	3880
Endrin aldehyde	ND	mg/kg	8.14	2000	12/28/02	13:45	Carmichael	8081A	3880
Endrin Ketone	ND	mg/kg	8.14	2000	12/28/02	13:45	Carmichael	8081A	3880
Heptachlor	ND	mg/kg	4.07	2000	12/28/02	13:45	Carmichael	8081A	3880
Heptachlor epoxide	ND	mg/kg	4.07	2000	12/28/02	13:45	Carmichael	8081A	3880
Methoxychlor	ND	mg/kg	40.7	2000	12/28/02	13:45	Carmichael	8081A	3880
Toxaphene	906.	mg/kg	203.	500	12/28/02	13:45	Carmichael	8081A	3880
alpha-Chlordane	ND	mg/kg	4.07	2000	12/28/02	13:45	Carmichael	8081A	3880
gamma-Chlordane	ND	mg/kg	4.07	2000	12/28/02	13:45	Carmichael	8081A	3880
<b>*METALS*</b>									
Arsenic	282.	mg/kg	1.17	1	12/26/02	15:28	C. Martin	6010B	4862
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	81.8	%			12/19/02	16:00	K. Keller	CLP	4864



TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A204740

Sample ID: DPT-1-0-2

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 8:40

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.4 gm	10.0 ml	12/26/02		M. Ricke	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

/ - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix. DDT results were >40% different between analytical columns.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204741

Sample ID: DFT-1-2-6

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 8:45

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.865	mg/kg	0.200	50	12/28/02	16:38	Carmichael	8081A	3880
Toxaphene	12.2	mg/kg	2.00	5	12/28/02	16:38	Carmichael	8081A	3880
*METALS*									
Arsenic	75.8	mg/kg	1.20	1	12/26/02	15:28	C. Martin	6010B	4862
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	82.8	%			12/19/02	16:00	K. Keller	CLP	4864

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/26/02		M. Rieke	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

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2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204742

Sample ID: DFT-1-6-10

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 8:55

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.0399	mg/kg	0.0046	1	12/28/02	3:49	Carmichael	8081A	3880
Toxaphene	1.12	mg/kg	0.469	1	12/28/02	3:49	Carmichael	8081A	3880
*METALS*									
Arsenic	4.46	mg/kg	1.39	1	12/26/02	15:28	C. Martin	6010B	4862
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	71.0	%			12/19/02	16:00	K. Keller	CLP	4864

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.7 gm	10.0 ml	12/26/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TMX	98.	48. - 132.
pest surr-DCB	104.	46. - 140.

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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY, STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204742

Sample ID: DPT-1-6-10

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 8:55

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

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## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204743

Sample ID: DPT-2-0-2

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 9:05

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	mg/kg	1.97	1000	12/28/02	14:14	Carmichael	8081A	3880
a-BHC	ND	mg/kg	1.97	1000	12/28/02	14:14	Carmichael	8081A	3880
b-BHC	ND	mg/kg	1.97	1000	12/28/02	14:14	Carmichael	8081A	3880
d-BHC	ND	mg/kg	1.97	1000	12/28/02	14:14	Carmichael	8081A	3880
g-BHC, Lindane	ND	mg/kg	1.97	1000	12/28/02	14:14	Carmichael	8081A	3880
4,4'-DDD	19.7	mg/kg	3.96	1000	12/28/02	14:14	Carmichael	8081A	3880
4,4'-DDE	5.15	mg/kg	3.96	1000	12/28/02	14:14	Carmichael	8081A	3880
4,4'-DDT	25.0	mg/kg	3.96	1000	12/28/02	14:14	Carmichael	8081A	3880
Dieldrin	15.1	mg/kg	3.96	1000	12/28/02	14:14	Carmichael	8081A	3880
Endosulfan I	ND	mg/kg	1.97	1000	12/28/02	14:14	Carmichael	8081A	3880
Endosulfan II	ND	mg/kg	3.96	1000	12/28/02	14:14	Carmichael	8081A	3880
Endosulfan sulfate	ND	mg/kg	3.96	1000	12/28/02	14:14	Carmichael	8081A	3880
Endrin	ND	mg/kg	3.96	1000	12/28/02	14:14	Carmichael	8081A	3880
Endrin aldehyde	ND	mg/kg	3.96	1000	12/28/02	14:14	Carmichael	8081A	3880
Endrin Ketone	ND	mg/kg	3.96	1000	12/28/02	14:14	Carmichael	8081A	3880
Heptachlor	ND	mg/kg	1.97	1000	12/28/02	14:14	Carmichael	8081A	3880
Heptachlor epoxide	ND	mg/kg	1.97	1000	12/28/02	14:14	Carmichael	8081A	3880
Methoxychlor	ND	mg/kg	19.7	1000	12/28/02	14:14	Carmichael	8081A	3880
Toxaphene	208.	mg/kg	79.2	200	12/28/02	14:14	Carmichael	8081A	3880
alpha-Chlordane	ND	mg/kg	1.97	1000	12/28/02	14:14	Carmichael	8081A	3880
gamma-Chlordane	ND	mg/kg	1.97	1000	12/28/02	14:14	Carmichael	8081A	3880
*METALS*									
Arsenic	136.	mg/kg	1.18	1	12/26/02	15:28	C. Martin	6010B	4862
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	84.1	%			12/19/02	16:00	K. Keller	CLP	4864

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A204743

Sample ID: DPT-2-0-2

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 9:05

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.9 gm	10.0 ml	12/26/02		M. Ricke	3550

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to

sample matrix. DDT results were >40% different between

analytical columns.

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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204744

Sample ID: DPT-2-2-6

Date Collected: 12/12/02

Project: 3778-010-1400

Time Collected: 9:10

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Dieldrin	1.00	mg/kg	0.212	50	12/28/02	17:07	Carmichael	8081A	3880
Toxaphene	9.35	mg/kg	2.12	5	12/28/02	17:07	Carmichael	8081A	3880
*METALS*									
Arsenic	21.7	mg/kg	1.23	1	12/26/02	15:28	C. Martin	6010B	4862
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	78.2	%			12/19/02	16:00	K. Keller	CLP	4864

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.9 gm	10.0 ml	12/26/02		M. Ricke	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

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## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204745

Sample ID: DPT-2-6-10

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 9:20

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.0358	mg/kg	0.0045	1	12/28/02	4:47	Carmichael	8081A	3880
Toxaphene	ND	mg/kg	0.453	1	12/28/02	4:47	Carmichael	8081A	3880
*METALS*									
Arsenic	5.70	mg/kg	1.36	1	12/26/02	15:28	C. Martin	6010B	4862
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	73.5	%			12/19/02	16:00	K. Keller	CLP	4864

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.5 gm	10.0 ml	12/26/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	112.	48. - 132.
pest surr-DCB	108.	46. - 140.



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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A204745

Sample ID: DPT-2-6-10

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 9:20

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

/ - Recovery outside Laboratory-historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

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Nashville, Tennessee 37204

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204746

Sample ID: DFT-3-0-2

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 9:25

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	mg/kg	0.0020	1	12/28/02	17:35	Carmichael	8081A	3880
a-BHC	0.0035	mg/kg	0.0020	1	12/28/02	17:35	Carmichael	8081A	3880
b-BHC	0.0113	mg/kg	0.0020	1	12/28/02	17:35	Carmichael	8081A	3880
d-BHC	ND	mg/kg	0.0020	1	12/28/02	17:35	Carmichael	8081A	3880
g-BHC, Lindane	0.0151	mg/kg	0.0020	1	12/28/02	17:35	Carmichael	8081A	3880
4,4'-DDD	ND	mg/kg	0.0038	1	12/28/02	17:35	Carmichael	8081A	3880
4,4'-DDE	0.0066	mg/kg	0.0038	1	12/28/02	17:35	Carmichael	8081A	3880
4,4'-DDT	0.0518	mg/kg	0.0038	1	12/28/02	17:35	Carmichael	8081A	3880
Dieldrin	0.0066	mg/kg	0.0038	1	12/28/02	17:35	Carmichael	8081A	3880
Endosulfan I	ND	mg/kg	0.0020	1	12/28/02	17:35	Carmichael	8081A	3880
Endosulfan II	ND	mg/kg	0.0038	1	12/28/02	17:35	Carmichael	8081A	3880
Endosulfan sulfate	ND	mg/kg	0.0038	1	12/28/02	17:35	Carmichael	8081A	3880
Endrin	ND	mg/kg	0.0038	1	12/28/02	17:35	Carmichael	8081A	3880
Endrin aldehyde	ND	mg/kg	0.0038	1	12/28/02	17:35	Carmichael	8081A	3880
Endrin Ketone	ND	mg/kg	0.0038	1	12/28/02	17:35	Carmichael	8081A	3880
Heptachlor	ND	mg/kg	0.0020	1	12/28/02	17:35	Carmichael	8081A	3880
Heptachlor epoxide	ND	mg/kg	0.0020	1	12/28/02	17:35	Carmichael	8081A	3880
Methoxychlor	ND	mg/kg	0.0193	1	12/28/02	17:35	Carmichael	8081A	3880
Toxaphene	ND	mg/kg	0.387	1	12/28/02	17:35	Carmichael	8081A	3880
alpha-Chlordane	ND	mg/kg	0.0020	1	12/28/02	17:35	Carmichael	8081A	3880
gamma-Chlordane	ND	mg/kg	0.0020	1	12/28/02	17:35	Carmichael	8081A	3880
*METALS*									
Arsenic	3.95	mg/kg	1.16	1	12/26/02	15:28	C. Martin	6010B	4862
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	86.1	%			12/19/02	16:00	K. Keller	CLP	4864

## TEST AMERICA INC

## ANALYTICAL REPORT

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204746

Sample ID: DPT-3-0-2

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 9:25

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.1 gm	10.0 ml	12/26/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	88.	48. - 132.
pest surr-DCB	96.	46. - 140.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

/ - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD HWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204747

Sample ID: DPT-3-2-6

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 9:30

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0045	1	12/28/02	6:14	Carmichael	8081A	3880
Toxaphene	ND	mg/kg	0.459	1	12/28/02	6:14	Carmichael	8081A	3880
*METALS*									
Arsenic	5.03	mg/kg	1.32	1	12/26/02	15:28	C. Martin	6010B	4862
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	72.6	%			12/19/02	16:00	K. Keller	CLP	4864

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/26/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	98.	48. - 132.
pest surr-DCB	110.	46. - 140.

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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204747

Sample ID: DPT-3-2-6

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 9:30

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

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2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD HWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204748

Sample ID: DPT-3-6-10

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 9:40

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0045	1	12/28/02	6:42	Carmichael	8081A	3880
Toxaphene	ND	mg/kg	0.454	1	12/28/02	6:42	Carmichael	8081A	3880
*METALS*									
Arsenic	3.48	mg/kg	1.34	1	12/26/02	15:28	C. Martin	6010B	4862
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	73.3	%			12/19/02	16:00	K. Keller	CLP	4864

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.1 gm	10.0 ml	12/26/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	92.	48. - 132.
pest surr-DCB	102.	46. - 140.

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2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204748

Sample ID: DPT-3-6-10

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 9:40

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside laboratory historical or method prescribed limits.

All reported results for metals or organic analyses have been corrected for dry weight.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6727  
Sample ID: DG1-S1  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/15/02  
Time Collected: 8:19  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCB'S/HERBICIDES*</b>									
Aldrin	ND	mg/kg	25.3	20000	1/28/03	8:38	D. Descouza	8081A	1809
a-BHC	1020	mg/kg	155.	100000	1/28/03	8:38	D. Descouza	8081A	1809
b-BHC	44.6	mg/kg	33.3	20000	1/28/03	8:38	D. Descouza	8081A	1809
d-BHC	ND	mg/kg	33.3	20000	1/28/03	8:38	D. Descouza	8081A	1809
g-BHC, Lindane	ND	mg/kg	33.3	20000	1/28/03	8:38	D. Descouza	8081A	1809
4,4'-DDD	373.	mg/kg	44.6	20000	1/28/03	8:38	D. Descouza	8081A	1809
4,4'-DDE	460.	mg/kg	66.6	20000	1/28/03	8:38	D. Descouza	8081A	1809
4,4'-DDT	2320	mg/kg	232.	100000	1/28/03	8:38	D. Descouza	8081A	1809
Dieldrin	107.	mg/kg	44.6	20000	1/28/03	8:38	D. Descouza	8081A	1809
Endosulfan I	ND	mg/kg	33.3	20000	1/28/03	8:38	D. Descouza	8081A	1809
Endosulfan II	ND	mg/kg	44.6	20000	1/28/03	8:38	D. Descouza	8081A	1809
Endosulfan sulfate	ND	mg/kg	66.6	20000	1/28/03	8:38	D. Descouza	8081A	1809
Heptachlor	ND	mg/kg	66.6	20000	1/28/03	8:38	D. Descouza	8081A	1809
Heptachlor epoxide	ND	mg/kg	66.6	20000	1/28/03	8:38	D. Descouza	8081A	1809
Methoxychlor	ND	mg/kg	33.3	20000	1/28/03	8:38	D. Descouza	8081A	1809
Nonachlor	2650	mg/kg	666.	2000	1/28/03	8:38	D. Descouza	8081A	1809
alpha-Chlordane	ND	mg/kg	33.3	20000	1/28/03	8:38	D. Descouza	8081A	1809
gamma-Chlordane	ND	mg/kg	33.3	20000	1/28/03	8:38	D. Descouza	8081A	1809
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	84.8	%			1/21/03	14:00	K. Keller	CLP	7884

Sample report continued . . .



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6727  
Sample ID: DG1-S1  
Project: 37778-010-1400  
Page 2

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Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.0 gm	10.0 ml	12/27/02		M. Cauthen	3880

### LABORATORY COMMENTS:

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - S = Estimated value below Report Limit.
  - E = Estimated value above the calibration limit of the instrument.
  - f = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.  
pest surrogate diluted out.

End of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6726  
Sample ID: DG1-82  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/15/02  
Time Collected: 8:15  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCBs/HERBICIDES*</b>									
Aldrin	0.0200	mg/kg	0.0166	10	1/28/03	7:42	D. Descousa	8081A	1809
a-BHC	0.0500	mg/kg	0.0166	10	1/28/03	7:42	D. Descousa	8081A	1809
b-BHC	0.416	mg/kg	0.0166	10	1/28/03	7:42	D. Descousa	8081A	1809
d-BHC	0.0565	mg/kg	0.0166	10	1/28/03	7:42	D. Descousa	8081A	1809
g-BHC, Lindane	0.0599	mg/kg	0.0166	10	1/28/03	7:42	D. Descousa	8081A	1809
4,4'-DDP	ND	mg/kg	0.0333	10	1/28/03	7:42	D. Descousa	8081A	1809
4,4'-DDM	0.200	mg/kg	0.0333	10	1/28/03	7:42	D. Descousa	8081A	1809
4,4'-DDT	0.773	mg/kg	0.0666	20	1/28/03	7:42	D. Descousa	8081A	1809
Dieldrin	0.163	mg/kg	0.0333	10	1/28/03	7:42	D. Descousa	8081A	1809
Endosulfan I	ND	mg/kg	0.0166	10	1/28/03	7:42	D. Descousa	8081A	1809
Endosulfan II	0.0866	mg/kg	0.0333	10	1/28/03	7:42	D. Descousa	8081A	1809
Endosulfan sulfate	ND	mg/kg	0.0333	10	1/28/03	7:42	D. Descousa	8081A	1809
Endrin	ND	mg/kg	0.0333	10	1/28/03	7:42	D. Descousa	8081A	1809
Endrin aldehyde	0.107	mg/kg	0.0333	10	1/28/03	7:42	D. Descousa	8081A	1809
Endrin Ketone	ND	mg/kg	0.0333	10	1/28/03	7:42	D. Descousa	8081A	1809
Heptachlor	ND	mg/kg	0.0166	10	1/28/03	7:42	D. Descousa	8081A	1809
Heptachlor epoxide	ND	mg/kg	0.0166	10	1/28/03	7:42	D. Descousa	8081A	1809
Methoxychlor	ND	mg/kg	0.166	10	1/28/03	7:42	D. Descousa	8081A	1809
Toxaphene	1.91	mg/kg	0.666	2	1/28/03	7:42	D. Descousa	8081A	1809
alpha-Chlordane	ND	mg/kg	0.0166	10	1/28/03	7:42	D. Descousa	8081A	1809
gamma-Chlordane	ND	mg/kg	0.0166	10	1/28/03	7:42	D. Descousa	8081A	1809
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	84.7	%			1/21/03	14:00	K. Keller	CLF	7884

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6726  
 Sample ID: DG1-82  
 Project: 37778-010-1400  
 Page 2

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 Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	10.0 gm	10.0 ml	12/27/02		M. Cauthen	3850

Surrögata	% Recovery	Target Range
pest SURT-TOX	86.	40. - 132.
pest SURT-DCB	92.	46. - 140.

LABORATORY COMMENTS:

- ND = Not detected at the limit of detection.
  - B = Analyte was detected in the method blank.
  - J = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - Q = Recovery outside laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6728  
Sample ID: DGI-S3  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/15/02  
Time Collected: 8:23  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCB's/HERBICIDES*</b>									
Aldrin	ND	ng/kg	0.0017	1	1/28/03	9:25	D. Descouza	8081A	1809
p-BHC	0.0030	ng/kg	0.0017	1	1/28/03	9:25	D. Descouza	8081A	1809
h-BHC	0.0032	ng/kg	0.0017	1	1/28/03	9:25	D. Descouza	8081A	1809
d-BHC	0.0043	ng/kg	0.0017	1	1/28/03	9:25	D. Descouza	8081A	1809
g-BHC, Lindane	0.0070	ng/kg	0.0017	1	1/28/03	9:25	D. Descouza	8081A	1809
4,4'-DDD	ND	ng/kg	0.0017	1	1/28/03	9:25	D. Descouza	8081A	1809
4,4'-DDE	ND	ng/kg	0.0017	1	1/28/03	9:25	D. Descouza	8081A	1809
4,4'-DDT	0.0041	ng/kg	0.0017	1	1/28/03	9:25	D. Descouza	8081A	1809
Dieldrin	0.0037	ng/kg	0.0017	1	1/28/03	9:25	D. Descouza	8081A	1809
Endosulfan I	ND	ng/kg	0.0017	1	1/28/03	9:25	D. Descouza	8081A	1809
Endosulfan II	ND	ng/kg	0.0017	1	1/28/03	9:25	D. Descouza	8081A	1809
Endosulfan sulfate	ND	ng/kg	0.0017	1	1/28/03	9:25	D. Descouza	8081A	1809
Acridin	ND	ng/kg	0.0017	1	1/28/03	9:25	D. Descouza	8081A	1809
Endrin aldehyde	ND	ng/kg	0.0017	1	1/28/03	9:25	D. Descouza	8081A	1809
Endrin ketone	0.0033	ng/kg	0.0017	1	1/28/03	9:25	D. Descouza	8081A	1809
Keptachlor	ND	ng/kg	0.0017	1	1/28/03	9:25	D. Descouza	8081A	1809
Keptachlor epoxide	ND	ng/kg	0.0017	1	1/28/03	9:25	D. Descouza	8081A	1809
Heptachlor	ND	ng/kg	0.0166	1	1/28/03	9:25	D. Descouza	8081A	1809
Toxaphene	1.08	ng/kg	0.333	1	1/28/03	9:25	D. Descouza	8081A	1809
alpha-Chlordane	ND	ng/kg	0.0017	1	1/28/03	9:25	D. Descouza	8081A	1809
gamma-Chlordane	ND	ng/kg	0.0017	1	1/28/03	9:25	D. Descouza	8081A	1809
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	88.6	%			1/21/03	14:00	K. Keller	CLP	7884

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6728  
 Sample ID: DG1-S3  
 Project: 37778-010-1400  
 Page 2

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**Sample Extraction Data**

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Test	30.1 gm	10.0 ml	12/27/02		X. Canthan	3850

Surrogate	% Recovery	Target Range
pest surr-TCCK	113.	48. - 132.
pest surr-DCB	102.	48. - 140.

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - S = Estimated value below Report Limit.
  - T = Estimated value above the calibration limit of the instrument.
  - O = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.  
 d-BEC results show >40% between columns

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA. 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A5729  
Sample ID: DG1-S4  
Sample Type: Soil  
Site ID:

Date Collected: 12/15/02  
Time Collected: 8:27  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCBs/HERBICIDES*</b>									
Aldrin	0.0180	ng/kg	0.0083	5	1/28/03	10:32	D. Desouza	8081A	1809
a-BHC	0.0216	ng/kg	0.0083	5	1/28/03	10:32	D. Desouza	8081A	1809
b-BHC	0.273	ng/kg	0.0166	10	1/28/03	10:32	D. Desouza	8081A	1809
d-BHC	0.0300	ng/kg	0.0083	5	1/28/03	10:32	D. Desouza	8081A	1809
g-BHC, Lindane	0.0380	ng/kg	0.0083	5	1/28/03	10:32	D. Desouza	8081A	1809
4,4'-DDP	0.0116	ng/kg	0.0166	5	1/28/03	10:32	D. Desouza	8081A	1809
4,4'-DDN	0.0483	ng/kg	0.0166	5	1/28/03	10:32	D. Desouza	8081A	1809
4,4'-DDT	0.145	ng/kg	0.0166	5	1/28/03	10:32	D. Desouza	8081A	1809
Dieldrin	0.220	ng/kg	0.0166	5	1/28/03	10:32	D. Desouza	8081A	1809
Endosulfan I	ND	ng/kg	0.0083	5	1/28/03	10:32	D. Desouza	8081A	1809
Endosulfan II	ND	ng/kg	0.0166	5	1/28/03	10:32	D. Desouza	8081A	1809
Endosulfan sulfate	ND	ng/kg	0.0166	5	1/28/03	10:32	D. Desouza	8081A	1809
Endrin	ND	ng/kg	0.0166	5	1/28/03	10:32	D. Desouza	8081A	1809
Endrin aldehyde	ND	ng/kg	0.0166	5	1/28/03	10:32	D. Desouza	8081A	1809
Endrin ketone	0.0193 J	ng/kg	0.0166	5	1/28/03	10:32	D. Desouza	8081A	1809
Heptachlor	ND	ng/kg	0.0083	5	1/28/03	10:32	D. Desouza	8081A	1809
Heptachlor epoxide	ND	ng/kg	0.0083	5	1/28/03	10:32	D. Desouza	8081A	1809
Methoxychlor	ND	ng/kg	0.0083	5	1/28/03	10:32	D. Desouza	8081A	1809
Toxaphene	0.803	ng/kg	0.333	1	1/28/03	10:32	D. Desouza	8081A	1809
Alpha-Chlordane	ND	ng/kg	0.0083	5	1/28/03	10:32	D. Desouza	8081A	1809
gamma-Chlordane	ND	ng/kg	0.0083	5	1/28/03	10:32	D. Desouza	8081A	1809
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	88.4	%			1/21/03	14:00	K. Keller	CLP	7864

sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6729  
 Sample ID: DG1-84  
 Project: 37778-010-1400  
 Page 2

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 Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.1 gm	10.0 ml	12/27/02		M. Caughen	3650

Surrogate	% Recovery	Target Range
pest_surr-TOMX	88.	68. - 132.
pest_surr-DCB	110.	66. - 140.

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - J = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - 4 = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6730  
Sample ID: DG1-S5  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/15/02  
Time Collected: 8:31  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.0166	10	1/28/03	11:30	D. Desouza	8081A	1809
a-BHC	0.0080	mg/kg	0.0017	1	1/28/03	11:30	D. Desouza	8081A	1809
b-BHC	0.273	mg/kg	0.0166	10	1/28/03	11:30	D. Desouza	8081A	1809
d-BHC	ND	mg/kg	0.0166	10	1/28/03	11:30	D. Desouza	8081A	1809
g-BHC, Lindane	0.0077	mg/kg	0.0017	1	1/28/03	11:30	D. Desouza	8081A	1809
4,4'-DDE	0.0200 G	mg/kg	0.0223	10	1/28/03	11:30	D. Desouza	8081A	1809
4,4'-DDD	0.0266 F	mg/kg	0.0223	10	1/28/03	11:30	D. Desouza	8081A	1809
4,4'-DDT	0.123	mg/kg	0.0223	10	1/28/03	11:30	D. Desouza	8081A	1809
Dieldrin	0.0992	mg/kg	0.0223	10	1/28/03	11:30	D. Desouza	8081A	1809
Endosulfan I	ND	mg/kg	0.0166	10	1/28/03	11:30	D. Desouza	8081A	1809
Endosulfan II	0.0130 B	mg/kg	0.0033	1	1/28/03	11:30	D. Desouza	8081A	1809
Endosulfan sulfate	ND	mg/kg	0.0223	10	1/28/03	11:30	D. Desouza	8081A	1809
Endrin	ND	mg/kg	0.0223	10	1/28/03	11:30	D. Desouza	8081A	1809
Endrin aldehyde	ND	mg/kg	0.0223	10	1/28/03	11:30	D. Desouza	8081A	1809
Endrin ketone	ND	mg/kg	0.0223	10	1/28/03	11:30	D. Desouza	8081A	1809
Heptachlor	ND	mg/kg	0.0166	10	1/28/03	11:30	D. Desouza	8081A	1809
Heptachlor epoxide	ND	mg/kg	0.0166	10	1/28/03	11:30	D. Desouza	8081A	1809
Methoxychlor	ND	mg/kg	0.166	10	1/28/03	11:30	D. Desouza	8081A	1809
Toxaphene	0.789	mg/kg	0.223	1	1/28/03	11:30	D. Desouza	8081A	1809
alpha-Chlordane	ND	mg/kg	0.0017	1	1/28/03	11:30	D. Desouza	8081A	1809
gamma-Chlordane	ND	mg/kg	0.0017	1	1/28/03	11:30	D. Desouza	8081A	1809
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	86.0	%			1/21/03	14:00	K. Keller	CLF	7884

Sample report continues . . .



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6730  
 Sample ID: DG1-85  
 Project: 37778-010-1400  
 Page 2

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 Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.4 gm	10.0 ml	12/27/02		N. Cauchan	1580

Surrogate	% Recovery	Target Range
pest surr-TOM	86.	48. - 132.
pest surr-DOB	94.	46. - 146.

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - J = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - 0 = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.  
 Endosulfan II and DOB results show 240% difference between columns

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6733

Sample ID: DG3-S1

Sample Type: Soil

Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/15/02

Time Collected: 9:36

Date Received: 12/17/02

Time Received: 9:00

Page: 1

Analyte	Result	Units	Report Limit	Oil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCB's/HERBICIDES*</b>									
Aldrin	0.0040	mg/kg	0.0033	2	1/28/03	14:04	D. Descouza	8081A	1813
a-BHC	ND	mg/kg	0.0033	2	1/28/03	14:04	D. Descouza	8081A	1813
b-BHC	0.201	mg/kg	0.0033	5	1/28/03	14:04	D. Descouza	8081A	1813
d-BHC	ND	mg/kg	0.0033	2	1/28/03	14:04	D. Descouza	8081A	1813
g-BHC, Lindane	ND	mg/kg	0.0033	2	1/28/03	14:04	D. Descouza	8081A	1813
4,4'-DDB	0.0233 <i>S</i>	mg/kg	0.0660	2	1/28/03	14:04	D. Descouza	8081A	1813
4,4'-DDO	0.0420 <i>DP</i>	mg/kg	0.0660	2	1/28/03	14:04	D. Descouza	8081A	1813
4,4'-DDT	0.0687	mg/kg	0.0033	2	1/28/03	14:04	D. Descouza	8081A	1813
Dieldrin	0.160	mg/kg	0.0166	5	1/28/03	14:04	D. Descouza	8081A	1813
Endosulfan I	ND	mg/kg	0.0034	2	1/28/03	14:04	D. Descouza	8081A	1813
Endosulfan II	0.0212	mg/kg	0.0034	2	1/28/03	14:04	D. Descouza	8081A	1813
Endosulfan sulfate	ND	mg/kg	0.0034	2	1/28/03	14:04	D. Descouza	8081A	1813
Endrin	ND	mg/kg	0.0034	2	1/28/03	14:04	D. Descouza	8081A	1813
Endrin Aldehyde	ND	mg/kg	0.0034	2	1/28/03	14:04	D. Descouza	8081A	1813
Endrin Ketone	0.0619	mg/kg	0.0034	2	1/28/03	14:04	D. Descouza	8081A	1813
Heptachlor	ND	mg/kg	0.0034	3	1/28/03	14:04	D. Descouza	8081A	1813
Heptachlor epoxide	ND	mg/kg	0.0034	2	1/28/03	14:04	D. Descouza	8081A	1813
Methoxychlor	ND	mg/kg	0.0032	2	1/28/03	14:04	D. Descouza	8081A	1813
Toxaphene	1.05	mg/kg	0.333	1	1/28/03	14:04	D. Descouza	8081A	1813
alpha-Chlordane	ND	mg/kg	0.0034	2	1/28/03	14:04	D. Descouza	8081A	1813
gamma-Chlordane	ND	mg/kg	0.0034	2	1/28/03	14:04	D. Descouza	8081A	1813
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	84.2	%			1/21/03	14:00	K. Keller	GLP	7884

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6733  
 Sample ID: DG3-S1  
 Project: 37778-010-1400  
 Page 2

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 Sample Extraction Data

Parameter	wt/vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	30.0 gm	10.0 ml	12/27/02		M. Cauthen	3880

Surrogate	% Recovery	Target Range
pest surr-TOM	95.	48. - 132.
pest surr-DCM	116.	46. - 146.

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - L = Estimated Value below Report Limit.
  - H = Estimated Value above the calibration limit of the instrument.
  - R = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.  
 dde >40x pest surrogate diluted out.

End of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6732  
Sample ID: DG3-S2  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/15/02  
Time Collected: 9:32  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCPs/HERBICIDES*</b>									
Aldrin	0.0033	ng/kg	0.0017	1	1/25/03	7:58	D. Desouza	8081A	1013
a-BHC	0.0153	ng/kg	0.0017	1	1/25/03	7:58	D. Desouza	8081A	1013
b-BHC	0.143	ng/kg	0.0083	5	1/25/03	7:58	D. Desouza	8081A	1013
d-BHC	ND	ng/kg	0.0017	1	1/25/03	7:58	D. Desouza	8081A	1013
γ-HCH, Lindane	0.0073	ng/kg	0.0017	1	1/25/03	7:58	D. Desouza	8081A	1013
4,4'-DDD	0.0196	ng/kg	0.0023	1	1/25/03	7:58	D. Desouza	8081A	1013
4,4'-DDE	0.0316	ng/kg	0.0023	1	1/25/03	7:58	D. Desouza	8081A	1013
4,4'-DDT	0.0656	ng/kg	0.0166	5	1/25/03	7:58	D. Desouza	8081A	1013
Dieldrin	0.140	ng/kg	0.0166	5	1/25/03	7:58	D. Desouza	8081A	1013
Endosulfan I	ND	ng/kg	0.0017	1	1/25/03	7:58	D. Desouza	8081A	1013
Endosulfan II	0.0117	ng/kg	0.0023	1	1/25/03	7:58	D. Desouza	8081A	1013
Endosulfan sulfate	ND	ng/kg	0.0166	5	1/25/03	7:58	D. Desouza	8081A	1013
Endrin	ND	ng/kg	0.0023	1	1/25/03	7:58	D. Desouza	8081A	1013
Endrin aldehyde	ND	ng/kg	0.0166	5	1/25/03	7:58	D. Desouza	8081A	1013
Endrin ketone	ND	ng/kg	0.0166	5	1/25/03	7:58	D. Desouza	8081A	1013
Heptachlor	ND	ng/kg	0.0017	1	1/25/03	7:58	D. Desouza	8081A	1013
Heptachlor epoxide	ND	ng/kg	0.0017	1	1/25/03	7:58	D. Desouza	8081A	1013
Methoxychlor	ND	ng/kg	0.0032	5	1/25/03	7:58	D. Desouza	8081A	1013
Toxaphene	0.679	ng/kg	0.333	1	1/25/03	7:58	D. Desouza	8081A	1013
alpha-Chlordane	ND	ng/kg	0.0017	1	1/25/03	7:58	D. Desouza	8081A	1013
gamma-Chlordane	ND	ng/kg	0.0017	1	1/25/03	7:58	D. Desouza	8081A	1013
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
† Dry Weight	88.6	%			1/21/03	14:00	K. Keller	CLP	7886

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6732  
 Sample ID: DG3-S2  
 Project: 37778-010-1400  
 Page 2

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 Sample Extraction Data

Parameter	wt/vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Test	10.2 gm	10.0 ml	12/27/02		M. Cauthen	1880

Surrogate	% Recovery	Target Range
pest surr-TCX	106.	98. - 132.
pest surr-DCB	138.	66. - 140.

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - N = Analyte was detected in the method blank.
  - O = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - S = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6734  
Sample ID: DG3-S3  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/15/02  
Time Collected: 9:43  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCP'S/HERBICIDES*</b>									
Aldrin	79.3	mg/kg	1.33	2000	1/28/03	15:02	D. Desouza	8081A	1813
a-BHC	1.33	J mg/kg	1.33	2000	1/28/03	15:02	D. Desouza	8081A	1813
b-BHC	22.8	mg/kg	1.33	2000	1/28/03	15:02	D. Desouza	8081A	1813
d-BHC	1.33	SP mg/kg	1.33	2000	1/28/03	15:02	D. Desouza	8081A	1813
g-BHC, Lindane	4.00	P mg/kg	1.33	2000	1/28/03	15:02	D. Desouza	8081A	1813
4,4'-DDE	393.	mg/kg	66.6	20000	1/28/03	15:02	D. Desouza	8081A	1813
4,4'-DDT	75.3	P mg/kg	66.6	2000	1/28/03	15:02	D. Desouza	8081A	1813
4,4'-DDT	127.	mg/kg	66.6	20000	1/28/03	15:02	D. Desouza	8081A	1813
Dieldrin	71.3	mg/kg	6.66	2000	1/28/03	15:02	D. Desouza	8081A	1813
Endosulfan I	ND	mg/kg	1.33	2000	1/28/03	15:02	D. Desouza	8081A	1813
Endosulfan II	ND	mg/kg	6.66	2000	1/28/03	15:02	D. Desouza	8081A	1813
Endosulfan sulfate	ND	mg/kg	9.33	2000	1/28/03	15:02	D. Desouza	8081A	1813
Endrin	ND	mg/kg	66.6	20000	1/28/03	15:02	D. Desouza	8081A	1813
Endrin aldehyde	ND	mg/kg	19.9	2000	1/28/03	15:02	D. Desouza	8081A	1813
Endrin Ketone	18.6	mg/kg	6.66	2000	1/28/03	15:02	D. Desouza	8081A	1813
Heptachlor	ND	mg/kg	3.33	2000	1/28/03	15:02	D. Desouza	8081A	1813
Heptachlor epoxide	ND	mg/kg	3.33	2000	1/28/03	15:02	D. Desouza	8081A	1813
Methoxychlor	ND	mg/kg	19.9	2000	1/28/03	15:02	D. Desouza	8081A	1813
Toxaphene	2710	mg/kg	666.	2000	1/28/03	15:02	D. Desouza	8081A	1813
alpha-Chlordane	46.6	P mg/kg	1.33	2000	1/28/03	15:02	D. Desouza	8081A	1813
gamma-Chlordane	82.2	mg/kg	3.33	2000	1/28/03	15:02	D. Desouza	8081A	1813
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	82.1	%			1/21/03	14:30	K. Keller	GLP	7887

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6734  
 Sample ID: DG3-S3  
 Project: 37778-010-1400  
 Page 2

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### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	20.0 gm	10.0 ml	12/27/02		M. Cauthen	3550

### LABORATORY COMMENTS:

ND = Not detected at the limit of detection  
 B = Analyte was detected in the method blank.  
 C = Estimated Value below Report Limit.  
 E = Estimated Value above the calibration limit of the instrument.  
 t = Necessary outside laboratory historical or method prescribed limits.  
 All results reported on a wet weight basis.  
 g-hhc,4ENDX,achlordane >40t pest surrogate diluted out.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6735  
Sample ID: DG3-84  
Sample Type: Soil  
Site ID:

Date Collected: 12/15/02  
Time Collected: 9:46  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCB's/HERBICIDES*</b>									
Aldrin	0.0107	mg/kg	0.0023	2	1/28/03	15:59	D. Desouza	8081A	1013
a-BHC	0.0699	mg/kg	0.0023	2	1/28/03	15:59	D. Desouza	8081A	1013
b-BHC	0.773	mg/kg	0.0023	20	1/28/03	15:59	D. Desouza	8081A	1013
d-BHC	0.0933	mg/kg	0.0023	20	1/28/03	15:59	D. Desouza	8081A	1013
g-BHC, Lindane	0.0186	mg/kg	0.0023	2	1/28/03	15:59	D. Desouza	8081A	1013
4,4'-DDD	0.0773	mg/kg	0.0067	2	1/28/03	15:59	D. Desouza	8081A	1013
4,4'-DDE	ND	mg/kg	0.0204	2	1/28/03	15:59	D. Desouza	8081A	1013
4,4'-DDT	0.0659	mg/kg	0.0067	2	1/28/03	15:59	D. Desouza	8081A	1013
Dieldrin	0.0226	mg/kg	0.0067	2	1/28/03	15:59	D. Desouza	8081A	1013
Endosulfan I	ND	mg/kg	0.0023	2	1/28/03	15:59	D. Desouza	8081A	1013
Endosulfan II	ND	mg/kg	0.0067	2	1/28/03	15:59	D. Desouza	8081A	1013
Endosulfan sulfate	ND	mg/kg	0.0067	2	1/28/03	15:59	D. Desouza	8081A	1013
Endrin	ND	mg/kg	0.0067	2	1/28/03	15:59	D. Desouza	8081A	1013
Endrin aldehyde	ND	mg/kg	0.0067	2	1/28/03	15:59	D. Desouza	8081A	1013
Endrin Ketone	ND	mg/kg	0.0067	2	1/28/03	15:59	D. Desouza	8081A	1013
Heptachlor	0.0092 P	mg/kg	0.0023	2	1/28/03	15:59	D. Desouza	8081A	1013
Heptachlor epoxide	ND	mg/kg	0.0023	2	1/28/03	15:59	D. Desouza	8081A	1013
Methoxychlor	ND	mg/kg	0.0226	2	1/28/03	15:59	D. Desouza	8081A	1013
Toxaphene	1.01	mg/kg	0.233	1	1/28/03	15:59	D. Desouza	8081A	1013
alpha-Chlordane	ND	mg/kg	0.0023	2	1/28/03	15:59	D. Desouza	8081A	1013
gamma-Chlordane	ND	mg/kg	0.0023	2	1/28/03	15:59	D. Desouza	8081A	1013
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	84.6	%			1/21/03	14:30	X. Keller	GLP	7589

Sample report continued . . .



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6735  
 Sample ID: DG3-S4  
 Project: 37778-010-1400  
 Page 2

-----  
 Sample Extraction Data

Parameter	Wt/vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	80.1 gm	10.0 ml	12/27/02		M. Gauthier	3850

Surrogate	% Recovery	Target Range
pest surr-TCMX	116.	48. - 132.
pest surr-DCB	140.	48. - 140.

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - J = Estimated value below Report Limit.
  - R = Estimated value above the calibration limit of the instrument.
  - † = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.  
 heptachlor †40†

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6731  
Sample ID: DG3-S5  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/15/02  
Time Collected: 9:29  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCN's/HERBICIDES*</b>									
Aldrin	0.0301	ng/kg	0.0018	1	1/25/03	6:31	D. Descouza	8081A	1813
a-BHC	0.0199	ng/kg	0.0017	1	1/25/03	6:31	D. Descouza	8081A	1813
b-BHC	0.440	ng/kg	0.0166	10	1/25/03	6:31	D. Descouza	8081A	1813
d-BHC	0.0050	ng/kg	0.0017	1	1/25/03	6:31	D. Descouza	8081A	1813
g-BHC, Lindane	ND	ng/kg	0.0028	1	1/25/03	6:31	D. Descouza	8081A	1813
4,4'-DDT	0.0566	ng/kg	0.0166	3	1/25/03	6:31	D. Descouza	8081A	1813
4,4'-DDE	0.192 P	ng/kg	0.0166	3	1/25/03	6:31	D. Descouza	8081A	1813
4,4'-DDD	0.188	ng/kg	0.0166	3	1/25/03	6:31	D. Descouza	8081A	1813
Dieldrin	0.102	ng/kg	0.0166	5	1/25/03	6:31	D. Descouza	8081A	1813
Endosulfan I	ND	ng/kg	0.0083	5	1/25/03	6:31	D. Descouza	8081A	1813
Endosulfan II	0.0318	ng/kg	0.0166	3	1/25/03	6:31	D. Descouza	8081A	1813
Endosulfan sulfate	ND	ng/kg	0.0333	10	1/25/03	6:31	D. Descouza	8081A	1813
Endrin	ND	ng/kg	0.0166	3	1/25/03	6:31	D. Descouza	8081A	1813
Endrin aldehyde	ND	ng/kg	0.0333	10	1/25/03	6:31	D. Descouza	8081A	1813
Endrin Ketone	ND	ng/kg	0.0333	10	1/25/03	6:31	D. Descouza	8081A	1813
Heptachlor	ND	ng/kg	0.0017	1	1/25/03	6:31	D. Descouza	8081A	1813
Heptachlor epoxide	ND	ng/kg	0.0083	3	1/25/03	6:31	D. Descouza	8081A	1813
Methoxychlor	ND	ng/kg	0.166	10	1/25/03	6:31	D. Descouza	8081A	1813
Toxaphene	3.17	ng/kg	0.666	2	1/25/03	6:31	D. Descouza	8081A	1813
alpha-Chlordane	ND	ng/kg	0.0083	3	1/25/03	6:31	D. Descouza	8081A	1813
gamma-Chlordane	ND	ng/kg	0.0083	3	1/25/03	6:31	D. Descouza	8081A	1813
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	81.3	%			1/21/03	14:00	X. Keller	CLP	7884

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6731  
 Sample ID: DG3-85  
 Project: 37778-010-1400  
 Page 2

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 Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.2 gm	10.0 ml	12/27/03		M. Crutchen	3850

Surrogate	% Recovery	Target Range
pest surr-TCX	116.	48. - 132.
pest surr-DCS	104.	46. - 140.

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - D = Analyte was detected in the method blank.
  - J = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - \* = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.  
 dde :sst

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6738  
Sample ID: DG6-S1  
Sample Type: Soil  
Site ID:

Date Collected: 12/15/02  
Time Collected: 15:06  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCA's/HERBICIDES*</b>									
Aldrin	0.0007	J mg/kg	0.0017	1	2/ 5/03	4:28	Carmichael	8081A	1816
a-BHC	0.0032	P mg/kg	0.0017	1	2/ 5/03	4:28	Carmichael	8081A	1816
b-BHC	0.0466	mg/kg	0.0017	1	2/ 2/03	4:28	Carmichael	8081A	1816
d-BHC	0.0060	mg/kg	0.0017	1	2/ 5/03	4:28	Carmichael	8081A	1816
g-BHC, Lindane	0.0143	mg/kg	0.0017	1	2/ 5/03	4:28	Carmichael	8081A	1816
4,4'-DDO	0.0047	mg/kg	0.0033	1	2/ 5/03	4:28	Carmichael	8081A	1816
4,4'-DDE	0.0083	mg/kg	0.0033	1	2/ 5/03	4:28	Carmichael	8081A	1816
4,4'-DDT	0.0323	mg/kg	0.0033	1	2/ 5/03	4:28	Carmichael	8081A	1816
Dieldrin	0.0067	mg/kg	0.0033	1	2/ 5/03	4:28	Carmichael	8081A	1816
Endosulfan I	ND	mg/kg	0.0017	1	2/ 5/03	4:28	Carmichael	8081A	1816
Endosulfan II	ND	mg/kg	0.0033	1	2/ 5/03	4:28	Carmichael	8081A	1816
Endosulfan sulfate	ND	mg/kg	0.0033	1	2/ 5/03	4:28	Carmichael	8081A	1816
Endrin	ND	mg/kg	0.0033	1	2/ 5/03	4:28	Carmichael	8081A	1816
Endrin aldehyde	ND	mg/kg	0.0033	1	2/ 5/03	4:28	Carmichael	8081A	1816
Endrin ketone	ND	mg/kg	0.0033	1	2/ 5/03	4:28	Carmichael	8081A	1816
Heptachlor	ND	mg/kg	0.0017	1	2/ 5/03	4:28	Carmichael	8081A	1816
Heptachlor epoxide	ND	mg/kg	0.0017	1	2/ 5/03	4:28	Carmichael	8081A	1816
Methoxychlor	ND	mg/kg	0.0166	1	2/ 5/03	4:28	Carmichael	8081A	1816
Toxaphene	ND	mg/kg	0.333	1	2/ 5/03	4:28	Carmichael	8081A	1816
alpha-Chlordane	ND	mg/kg	0.0017	1	2/ 5/03	4:28	Carmichael	8081A	1816
gamma-Chlordane	ND	mg/kg	0.0017	1	2/ 5/03	4:28	Carmichael	8081A	1816
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	79.1	%			1/21/03	14:30	K. Keller	GLP	7887

Sample report continued . . .

# Test America

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6738  
 Sample ID: DG6-81  
 Project: 37778-010-1400  
 Page 2

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 Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/27/02		M. Caubon	1550

Surrogate	% Recovery	Target Range
pest surr-TCHX	104.	45. - 113.
pest surr-DCB	114.	45. - 140.

**LABORATORY COMMENTS:**

ND = Not detected at the limit of detection  
 B = Analyte was detected in the method blank.  
 C = Estimated value below Report Limit.  
 E = Estimated value above the calibration limit of the instrument.  
 R = Recovery outside Laboratory historical or method prescribed limits.  
 All results reported on a wet weight basis.  
 Pesticide alpha-BHC results were not different between analytical columns.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6736  
Sample ID: DG6-S2  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/15/02  
Time Collected: 14:56  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Ident	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCBs/HERBICIDES*</b>									
Aldrin	0.280	mg/kg	0.0166	10	2/ 5/03	2:05	Carmichael	8081A	1010
a-BHC	ND	mg/kg	0.0166	10	2/ 5/03	2:05	Carmichael	8081A	1010
b-BHC	0.430	mg/kg	0.0166	10	2/ 5/03	2:05	Carmichael	8081A	1010
d-BHC	0.6133 G	mg/kg	0.0166	10	2/ 5/03	2:05	Carmichael	8081A	1010
g-BHC, Lindane	ND	mg/kg	0.0166	10	2/ 5/03	2:05	Carmichael	8081A	1010
4,4'-DDD	0.466	mg/kg	0.166	50	2/ 5/03	2:05	Carmichael	8081A	1010
4,4'-DDE	0.943	mg/kg	0.166	50	2/ 5/03	2:05	Carmichael	8081A	1010
4,4'-DDT	0.433	mg/kg	0.166	50	2/ 5/03	2:05	Carmichael	8081A	1010
Dieldrin	0.353	mg/kg	0.0333	10	2/ 5/03	2:05	Carmichael	8081A	1010
Endosulfan I	ND	mg/kg	0.0166	10	2/ 5/03	2:05	Carmichael	8081A	1010
Endosulfan II	0.0933 P	mg/kg	0.0333	10	2/ 5/03	2:05	Carmichael	8081A	1010
Endosulfan sulfate	ND	mg/kg	0.0333	10	2/ 5/03	2:05	Carmichael	8081A	1010
Endrin	0.150 P	mg/kg	0.0333	10	2/ 5/03	2:05	Carmichael	8081A	1010
Endrin aldehyde	ND	mg/kg	0.0333	10	2/ 5/03	2:05	Carmichael	8081A	1010
Endrin ketone	0.0566	mg/kg	0.0333	10	2/ 5/03	2:05	Carmichael	8081A	1010
Heptachlor	0.0100 G	mg/kg	0.0166	10	2/ 5/03	2:05	Carmichael	8081A	1010
Heptachlor epoxide	ND	mg/kg	0.0333	50	2/ 5/03	2:05	Carmichael	8081A	1010
Methoxychlor	ND	mg/kg	0.166	10	2/ 5/03	2:05	Carmichael	8081A	1010
Toxaphene	6.76	mg/kg	1.66	5	2/ 5/03	2:05	Carmichael	8081A	1010
alpha-Chlordane	0.0366	mg/kg	0.0166	10	2/ 5/03	2:05	Carmichael	8081A	1010
gamma-Chlordane	ND	mg/kg	0.0166	10	2/ 5/03	2:05	Carmichael	8081A	1010
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	83.7	%			1/21/03	14:30	K. Keller	CLP	7807

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6736  
 Sample ID: DG6-S2  
 Project: 37778-010-1400  
 Page 2

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### Sample Extraction Data

Parameter	wt/vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	10.3 gm	10.0 ml	12/27/02		M. Caubon	2550

### LABORATORY COMMENTS:

- ND - Not detected at the limit of detection
- D - Analyte was detected in the method blank.
- J - Estimated Value below Report limit.
- E - Estimated Value above the calibration limit of the instrument.
- U - Recovery outside Laboratory Historical or method prescribed limits.

All results reported on a wet weight basis.

Pesticide surrogate diluted below detectable levels due to sample matrix.

endosulfan, endrin 400

End of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6737  
Sample ID: DG6-S3  
Sample Type: Soil  
Site ID:

Date Collected: 12/15/02  
Time Collected: 14:59  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCB's/HERBICIDES*</b>									
Aldrin	27.3	ng/kg	3.33	2000	2/ 5/03	3:02	Carmichael	8081A	1818
a-BHC	ND	ng/kg	3.33	2000	2/ 5/03	3:02	Carmichael	8081A	1818
b-BHC	12.7	ng/kg	3.33	2000	2/ 5/03	3:02	Carmichael	8081A	1818
d-BHC	ND	ng/kg	3.33	2000	2/ 5/03	3:02	Carmichael	8081A	1818
g-BHC, Lindane	ND	ng/kg	3.33	2000	2/ 5/03	3:02	Carmichael	8081A	1818
4,4'-DDB	162.	ng/kg	16.6	8000	2/ 5/03	3:02	Carmichael	8081A	1818
4,4'-DDN	74.6	ng/kg	6.66	2000	2/ 5/03	3:02	Carmichael	8081A	1818
4,4'-DDT	274.	ng/kg	27.4	25000	2/ 5/03	3:02	Carmichael	8081A	1818
Dieldrin	143.	ng/kg	14.3	8000	2/ 5/03	3:02	Carmichael	8081A	1818
Endosulfan I	ND	ng/kg	3.33	2000	2/ 5/03	3:02	Carmichael	8081A	1818
Endosulfan II	ND	ng/kg	6.66	2000	2/ 5/03	3:02	Carmichael	8081A	1818
Endosulfan sulfate	ND	ng/kg	6.66	2000	2/ 5/03	3:02	Carmichael	8081A	1818
Endrin	211.	ng/kg	14.4	8000	2/ 5/03	3:02	Carmichael	8081A	1818
Endrin aldehyde	37.3	ng/kg	6.66	2000	2/ 5/03	3:02	Carmichael	8081A	1818
Endrin ketone	21.3	ng/kg	6.66	2000	2/ 5/03	3:02	Carmichael	8081A	1818
Heptachlor	ND	ng/kg	3.33	2000	2/ 5/03	3:02	Carmichael	8081A	1818
Heptachlor epoxide	18.3	ng/kg	3.33	2000	2/ 5/03	3:02	Carmichael	8081A	1818
Methoxychlor	ND	ng/kg	33.3	8000	2/ 5/03	3:02	Carmichael	8081A	1818
Toxaphene	3840	ng/kg	666.	2000	2/ 5/03	3:02	Carmichael	8081A	1818
alpha-Chlordane	9.32	ng/kg	3.33	2000	2/ 5/03	3:02	Carmichael	8081A	1818
gamma-Chlordane	ND	ng/kg	3.33	2000	2/ 5/03	3:02	Carmichael	8081A	1818
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	72.4	%			1/21/03	14:30	K. Keller	CLP	7887

Sample report continued . . .



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6737  
 Sample ID: DG6-S3  
 Project: 37778-010-1400  
 Page 2

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**Sample Extraction Data**

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	10.4 gm	10.0 ml	12/27/02		M. Cautben	3880

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - C = Estimated value below Report Limit.
  - E = Estimated value above the calibration limit of the instrument.
  - S = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.  
 Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6739  
Sample ID: DG6-S4  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/15/02  
Time Collected: 15:09  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCAs/HERBICIDES*</b>									
Aldrin	0.0147	ng/kg	0.0033	2	2/ 5/03	6:23	Carmichael	8081A	1816
a-BHC	0.0420	ng/kg	0.0033	2	2/ 5/03	6:23	Carmichael	8081A	1816
b-BHC	0.250	ng/kg	0.0166	10	2/ 5/03	6:23	Carmichael	8081A	1816
d-BHC	0.0133	ng/kg	0.0033	2	2/ 5/03	6:23	Carmichael	8081A	1816
g-BHC, Lindane	0.0252	ng/kg	0.0033	2	2/ 5/03	6:23	Carmichael	8081A	1816
4,4'-DDD	0.380	ng/kg	0.0333	10	2/ 5/03	6:23	Carmichael	8081A	1816
4,4'-DDE	0.300	ng/kg	0.0333	10	2/ 5/03	6:23	Carmichael	8081A	1816
4,4'-DDT	0.0519	ng/kg	0.0067	5	2/ 5/03	6:23	Carmichael	8081A	1816
Dieldrin	0.270	ng/kg	0.0333	10	2/ 5/03	6:23	Carmichael	8081A	1816
Endosulfan I	ND	ng/kg	0.0033	2	2/ 5/03	6:23	Carmichael	8081A	1816
Endosulfan II	ND	ng/kg	0.0333	10	2/ 5/03	6:23	Carmichael	8081A	1816
Endosulfan sulfate	ND	ng/kg	0.0067	2	2/ 5/03	6:23	Carmichael	8081A	1816
Endrin	ND	ng/kg	0.0333	10	2/ 5/03	6:23	Carmichael	8081A	1816
Endrin aldehyde	ND	ng/kg	0.0067	2	2/ 5/03	6:23	Carmichael	8081A	1816
Endrin Ketone	ND	ng/kg	0.0333	10	2/ 5/03	6:23	Carmichael	8081A	1816
Heptachlor	0.0060	ng/kg	0.0033	2	2/ 5/03	6:23	Carmichael	8081A	1816
Heptachlor epoxide	ND	ng/kg	0.0166	10	2/ 5/03	6:23	Carmichael	8081A	1816
Methoxychlor	ND	ng/kg	0.0333	2	2/ 5/03	6:23	Carmichael	8081A	1816
Toxaphene	2.50	ng/kg	0.666	1	2/ 5/03	6:23	Carmichael	8081A	1816
alpha-Chlordane	0.0173	ng/kg	0.0033	2	2/ 5/03	6:23	Carmichael	8081A	1816
gamma-Chlordane	0.0100	ng/kg	0.0033	2	2/ 5/03	6:23	Carmichael	8081A	1816
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
† Dry Weight	83.0	%			1/21/03	14:30	E. Keller	GLP	7887

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6739  
 Sample ID: DG6-S4  
 Project: 37778-010-1400  
 Page 2

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 Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Test	30.4 gm	10.0 ml	12/27/02		N. Caubon	8550

Surrogate	% Recovery	Target Range
pest surr-TCX	86.	48. - 132.
pest surr-DCB	148. †	46. - 140.

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - ∇ = Estimated Value below Report Limit.
  - Σ = Estimated Value above the calibration limit of the instrument.
  - † = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6740  
Sample ID: DG6-85  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/15/02  
Time Collected: 15:14  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	DIL Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCP's/NERVICIDES*</b>									
Aldrin	ND	ug/kg	0.0033	2	2/ 5/02	7:50	Carmichael	8081A	1816
a-BHC	0.0093	ug/kg	0.0033	2	2/ 5/02	7:50	Carmichael	8081A	1816
b-BHC	0.123	ug/kg	0.0166	10	2/ 5/02	7:50	Carmichael	8081A	1816
d-BHC	0.0013 J	ug/kg	0.0033	2	2/ 5/02	7:50	Carmichael	8081A	1816
g-BHC, Lindane	ND	ug/kg	0.0033	2	2/ 5/02	7:50	Carmichael	8081A	1816
4,4'-DDD	0.0309	ug/kg	0.0067	8	2/ 5/02	7:50	Carmichael	8081A	1816
4,4'-DDE	0.0813	ug/kg	0.0067	3	2/ 5/02	7:50	Carmichael	8081A	1816
4,4'-DDT	0.266	ug/kg	0.0333	10	2/ 5/02	7:50	Carmichael	8081A	1816
Dieldrin	0.263	ug/kg	0.0333	10	2/ 5/02	7:50	Carmichael	8081A	1816
Endosulfan I	ND	ug/kg	0.0033	2	2/ 5/02	7:50	Carmichael	8081A	1816
Endosulfan II	ND	ug/kg	0.0067	2	2/ 5/02	7:50	Carmichael	8081A	1816
Endosulfan sulfate	ND	ug/kg	0.0067	2	2/ 5/02	7:50	Carmichael	8081A	1816
Endrin	ND	ug/kg	0.0067	2	2/ 5/02	7:50	Carmichael	8081A	1816
Endrin aldehyde	ND	ug/kg	0.0067	2	2/ 5/02	7:50	Carmichael	8081A	1816
Endrin Ketone	ND	ug/kg	0.0067	2	2/ 5/02	7:50	Carmichael	8081A	1816
Heptachlor	ND	ug/kg	0.0033	2	2/ 5/02	7:50	Carmichael	8081A	1816
Heptachlor epoxide	ND	ug/kg	0.0033	2	2/ 5/02	7:50	Carmichael	8081A	1816
Methoxychlor	ND	ug/kg	0.0333	2	2/ 5/02	7:50	Carmichael	8081A	1816
Toxaphene	1.24	ug/kg	0.333	1	2/ 5/02	7:50	Carmichael	8081A	1816
alpha-Chlordane	ND	ug/kg	0.0033	3	2/ 5/02	7:50	Carmichael	8081A	1816
gamma-Chlordane	ND	ug/kg	0.0033	2	2/ 5/02	7:50	Carmichael	8081A	1816
<b>*GENERAL COMBUSTION PARAMETERS*</b>									
% Dry Weight	83.3				1/21/03	14:30	K. Keller	GLP	7387

Sample report continued . . .

# Test America

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6740  
 Sample ID: DG6-S5  
 Project: 37778-010-1400  
 Page 2

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 Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Test	10.3 gm	10.0 ml	12/27/02		M. Cauthen	3580

Surrogate	% Recovery	Target Range
pest surr-TOX	104.	48. - 132.
pest surr-DCB	140.	46. - 140.

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - S = Estimated Value below Report Limit.
  - H = Estimated Value above the calibration limit of the instrument.
  - # = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6743  
Sample ID: DG7-S1  
Sample Type: Soil  
Site ID:

Date Collected: 12/15/02  
Time Collected: 15:45  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCPs/HERBICIDES*</b>									
Aldrin	0.699	ng/kg	0.0032	50	2/ 5/03	10:43	Carmichael	8081A	1816
a-BHC	0.0233 P	ng/kg	0.0166	10	2/ 5/03	10:43	Carmichael	8081A	1816
b-BHC	0.0200	ng/kg	0.0166	10	2/ 5/03	10:43	Carmichael	8081A	1816
g-BHC	0.0400	ng/kg	0.0166	10	2/ 5/03	10:43	Carmichael	8081A	1816
g-BHC, Lindane	ND	ng/kg	0.0166	10	2/ 5/03	10:43	Carmichael	8081A	1816
4,4'-DDE	1.68	ng/kg	0.166	80	2/ 5/03	10:43	Carmichael	8081A	1816
4,4'-DDD	1.17	ng/kg	0.166	50	2/ 5/03	10:43	Carmichael	8081A	1816
4,4'-DDT	0.783	ng/kg	0.166	50	2/ 5/03	10:43	Carmichael	8081A	1816
Dieldrin	ND	ng/kg	0.0332	10	2/ 5/03	10:43	Carmichael	8081A	1816
Endosulfan I	ND	ng/kg	0.0166	10	2/ 5/03	10:43	Carmichael	8081A	1816
Endosulfan II	ND	ng/kg	0.0332	10	2/ 5/03	10:43	Carmichael	8081A	1816
Endosulfan sulfate	ND	ng/kg	0.0332	10	2/ 5/03	10:43	Carmichael	8081A	1816
Endrin	0.0766 P	ng/kg	0.0332	10	2/ 5/03	10:43	Carmichael	8081A	1816
Endrin aldehyde	ND	ng/kg	0.0332	10	2/ 5/03	10:43	Carmichael	8081A	1816
Endrin ketone	ND	ng/kg	0.0332	10	2/ 5/03	10:43	Carmichael	8081A	1816
Heptachlor	ND	ng/kg	0.0166	10	2/ 5/03	10:43	Carmichael	8081A	1816
Heptachlor epoxide	ND	ng/kg	0.0166	10	2/ 5/03	10:43	Carmichael	8081A	1816
Methoxychlor	ND	ng/kg	0.166	10	2/ 5/03	10:43	Carmichael	8081A	1816
Toxaphene	9.38	ng/kg	1.33	10	2/ 5/03	10:43	Carmichael	8081A	1816
alpha-Chlordane	ND	ng/kg	0.0166	10	2/ 5/03	10:43	Carmichael	8081A	1816
gamma-Chlordane	0.0666	ng/kg	0.0166	10	2/ 5/03	10:43	Carmichael	8081A	1816
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	81.6	%			1/21/03	14:30	X. Keller	CLP	7887

Sample report continued . . .

# Test America

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6743  
 Sample ID: DG7-S1  
 Project: 37778-010-1400  
 Page 2

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 Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.4 gm	10.0 ml	12/27/02		K. Caughen	3850

**LABORATORY COMMENTS:**

- ND = Not Detected at the limit of detection
  - N = Analyte was detected in the method blank.
  - J = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - # = Recovery outside laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.  
 Pesticide surrogate diluted below detectable levels due to sample matrix. alpha-BHC and Endrin results were >10% different between analytical columns.

End of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6741  
Sample ID: DG7-S2  
Sample Type: Soil  
Site ID:

Date Collected: 12/15/02  
Time Collected: 15:38  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Aldrin	ND	ng/kg	0.0083	5	2/ 5/03	8:47	Carmichael	8081A	1816
a-BHC	0.122	ng/kg	0.0083	5	2/ 5/03	8:47	Carmichael	8081A	1816
b-BHC	0.143	ng/kg	0.0083	5	2/ 5/03	8:47	Carmichael	8081A	1816
d-BHC	0.0133	ng/kg	0.0083	5	2/ 5/03	8:47	Carmichael	8081A	1816
g-BHC, Lindane	0.0133 P	ng/kg	0.0083	5	2/ 5/03	8:47	Carmichael	8081A	1816
4,4'-DDP	0.136	ng/kg	0.0166	5	2/ 5/03	8:47	Carmichael	8081A	1816
4,4'-DDN	0.0483	ng/kg	0.0166	5	2/ 5/03	8:47	Carmichael	8081A	1816
4,4'-DDE	ND	ng/kg	0.0166	5	2/ 5/03	8:47	Carmichael	8081A	1816
Dieldrin	0.128	ng/kg	0.0166	5	2/ 5/03	8:47	Carmichael	8081A	1816
Endosulfan I	ND	ng/kg	0.0083	5	2/ 5/03	8:47	Carmichael	8081A	1816
Endosulfan II	ND	ng/kg	0.0166	5	2/ 5/03	8:47	Carmichael	8081A	1816
Endosulfan sulfate	ND	ng/kg	0.0166	5	2/ 5/03	8:47	Carmichael	8081A	1816
Endrin	0.120	ng/kg	0.0166	5	2/ 5/03	8:47	Carmichael	8081A	1816
Endrin aldehyde	0.0363	ng/kg	0.0166	5	2/ 5/03	8:47	Carmichael	8081A	1816
Endrin ketone	1.27	ng/kg	0.166	50	2/ 5/03	8:47	Carmichael	8081A	1816
Heptachlor	ND	ng/kg	0.0083	5	2/ 5/03	8:47	Carmichael	8081A	1816
Heptachlor epoxide	ND	ng/kg	0.0083	5	2/ 5/03	8:47	Carmichael	8081A	1816
Methoxychlor	0.0483 J	ng/kg	0.0083	5	2/ 5/03	8:47	Carmichael	8081A	1816
Toxaphene	3.89 P	ng/kg	0.666	2	2/ 5/03	8:47	Carmichael	8081A	1816
alpha-Chlordane	ND	ng/kg	0.0083	5	2/ 5/03	8:47	Carmichael	8081A	1816
gamma-Chlordane	ND	ng/kg	0.0083	5	2/ 5/03	8:47	Carmichael	8081A	1816
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	79.3	%			1/21/03	14:30	T. Keller	GLP	9887

Sample report continued . . .



# Test America

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6741  
 Sample ID: DG7-S2  
 Project: 37778-010-1400  
 Page 2

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 Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	20.4 gm	10.0 ml	12/27/02		M. Gauthier	2959

Surrogate	% Recovery	Target Range
pest surr-TMX	119.	48. - 132.
pest surr-DCB	148. 8	46. - 140.

**LABORATORY COMMENTS:**

ND - Not detected at the limit of detection  
 B - Analyte was detected in the method blank.  
 U - Estimated value below Report Limit.  
 E - Estimated value above the calibration limit of the instrument.  
 \* - Recovery outside Laboratory historical or method prescribed limits.  
 All results reported on a wet weight basis.  
 Pesticide gamma-BHC, Toxaphene  
 results were not different between  
 analytical columns.

End of Sample Report.

# Test America

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6742  
Sample ID: DG7-S3  
Sample Type: Soil  
Site ID:

Date Collected: 12/15/02  
Time Collected: 15:41  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCAs/HERBICIDES*</b>									
Aldrin	0.0007	CF mg/kg	0.0017	1	2/ 5/03	9:45	Carmichael	8081A	1816
p-BHC	0.0033	P mg/kg	0.0017	1	2/ 5/03	9:45	Carmichael	8081A	1816
h-BHC	0.0077	mg/kg	0.0017	1	2/ 5/03	9:45	Carmichael	8081A	1816
d-BHC	0.0017	mg/kg	0.0017	1	2/ 5/03	9:45	Carmichael	8081A	1816
g-BHC, Lindane	ND	mg/kg	0.0017	1	2/ 5/03	9:45	Carmichael	8081A	1816
4,4'-DDD	0.0226	mg/kg	0.0033	1	2/ 5/03	9:45	Carmichael	8081A	1816
4,4'-DDE	0.0173	mg/kg	0.0033	2	2/ 5/03	9:45	Carmichael	8081A	1816
4,4'-DDT	0.0799	mg/kg	0.0057	2	2/ 5/03	9:45	Carmichael	8081A	1816
Dieldrin	0.0223	mg/kg	0.0033	1	2/ 5/03	9:45	Carmichael	8081A	1816
Endosulfan I	ND	mg/kg	0.0017	1	2/ 5/03	9:45	Carmichael	8081A	1816
Endosulfan II	ND	mg/kg	0.0033	2	2/ 5/03	9:45	Carmichael	8081A	1816
Endosulfan sulfate	0.0110	mg/kg	0.0033	1	2/ 5/03	9:45	Carmichael	8081A	1816
Endrin	ND	mg/kg	0.0033	2	2/ 5/03	9:45	Carmichael	8081A	1816
Endrin aldehyde	ND	mg/kg	0.0033	1	2/ 5/03	9:45	Carmichael	8081A	1816
Endrin Ketone	0.0037	mg/kg	0.0033	1	2/ 5/03	9:45	Carmichael	8081A	1816
Heptachlor	ND	mg/kg	0.0017	1	2/ 5/03	9:45	Carmichael	8081A	1816
Heptachlor epoxide	ND	mg/kg	0.0017	1	2/ 5/03	9:45	Carmichael	8081A	1816
Methoxychlor	ND	mg/kg	0.0166	1	2/ 5/03	9:45	Carmichael	8081A	1816
Toxaphene	0.353	mg/kg	0.333	1	2/ 5/03	9:45	Carmichael	8081A	1816
alpha-Chlordane	ND	mg/kg	0.0017	1	2/ 5/03	9:45	Carmichael	8081A	1816
gamma-Chlordane	ND	mg/kg	0.0017	1	2/ 5/03	9:45	Carmichael	8081A	1816
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	81.4				1/21/03	14:30	S. Keller	GLP	7887

Sample report continued . . .

# Test America

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6742  
 Sample ID: DG7-83  
 Project: 37778-010-1400  
 Page 2

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 Sample Extraction Data

Parameter	Wt/vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.6 gm	10.0 ml	12/27/02		W. Cauthen	3880

Surrogate	% Recovery	Target Range
pest surr-TMX	98.	48. - 152.
pest surr-DCA	114.	46. - 140.

**LABORATORY COMMENTS:**

ND = Not detected at the limit of detection  
 B = Analyte was detected in the method blank.  
 S = Estimated Value below Report Limit.  
 E = Estimated Value above the calibration limit of the instrument.  
 \* = Recovery outside Laboratory Historical or method prescribed limits.  
 All results reported on a wet weight basis.  
 Pesticides aldrin and alpha-BHC results were not different  
 between analytical columns.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6744  
Sample ID: DG7-S4  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/15/02  
Time Collected: 15:50  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	5.99	mg/kg	3.33	2000	2/ 5/03	12:59	Carmichael	8081A	1816
a-BHC	138.	mg/kg	6.66	5000	2/ 5/03	12:59	Carmichael	8081A	1816
b-BHC	30.0	mg/kg	3.33	2000	2/ 5/03	12:59	Carmichael	8081A	1816
d-BHC	ND	mg/kg	3.33	2000	2/ 5/03	12:59	Carmichael	8081A	1816
g-BHC, Lindane	4.00	mg/kg	3.33	2000	2/ 5/03	12:59	Carmichael	8081A	1816
4,4'-DDE	56.6	mg/kg	6.66	2000	2/ 5/03	12:59	Carmichael	8081A	1816
4,4'-DDD	28.0	mg/kg	6.66	2000	2/ 5/03	12:59	Carmichael	8081A	1816
4,4'-DDT	188.	mg/kg	16.6	8000	2/ 5/03	12:59	Carmichael	8081A	1816
Dieldrin	143.	mg/kg	16.6	8000	2/ 5/03	12:59	Carmichael	8081A	1816
Endosulfan I	ND	mg/kg	3.33	2000	2/ 5/03	12:59	Carmichael	8081A	1816
Endosulfan II	ND	mg/kg	6.66	2000	2/ 5/03	12:59	Carmichael	8081A	1816
Endosulfan sulfate	ND	mg/kg	6.66	2000	2/ 5/03	12:59	Carmichael	8081A	1816
Endrin	ND	mg/kg	6.66	2000	2/ 5/03	12:59	Carmichael	8081A	1816
Endrin aldehyde	ND	mg/kg	6.66	2000	2/ 5/03	12:59	Carmichael	8081A	1816
Endrin ketone	3.33	mg/kg	6.66	2000	2/ 5/03	12:59	Carmichael	8081A	1816
Heptachlor	ND	mg/kg	3.33	2000	2/ 5/03	12:59	Carmichael	8081A	1816
Heptachlor epoxide	ND	mg/kg	3.33	2000	2/ 5/03	12:59	Carmichael	8081A	1816
Methoxychlor	ND	mg/kg	11.3	2000	2/ 5/03	12:59	Carmichael	8081A	1816
Toxaphene	681.	mg/kg	166.	800	2/ 5/03	12:59	Carmichael	8081A	1816
alpha-Chlordane	ND	mg/kg	3.33	2000	2/ 5/03	12:59	Carmichael	8081A	1816
gamma-Chlordane	ND	mg/kg	3.33	2000	2/ 5/03	12:59	Carmichael	8081A	1816
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	61.7	%			1/21/03	14:30	K. Keller	GLP	7887

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6744  
Sample ID: DG7-S4  
Project: 37778-010-1400  
Page 2

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Sample Extraction Data

Parameter	wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Test	29.7 gm	10.0 ml	12/87/02		N. Cauthen	3550

### LABORATORY COMMENTS:

ND = Not detected at the limit of detection  
 B = Analyte was detected in the method blank.  
 L = Estimated Value below Report Limit.  
 N = Estimated Value above the calibration limit of the instrument.  
 # = Recovery outside Laboratory historical or method prescribed limits.  
 All results reported on a wet weight basis.  
 Pesticide surrogate diluted below detectable levels due to sample matrix. gamma-BHC results were not different between analytical columns.

End of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6745  
Sample ID: DG7-S5  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/15/02  
Time Collected: 15:56  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCAs/HERBICIDES*</b>									
Aldrin	ND	ng/kg	0.032	500	2/ 5/03	13:57	Carmichael	8081A	1816
a-BHC	ND	ng/kg	0.032	500	2/ 5/03	13:57	Carmichael	8081A	1816
b-BHC	1.17	ng/kg	0.032	500	2/ 5/03	13:57	Carmichael	8081A	1816
d-BHC	ND	ng/kg	0.032	500	2/ 5/03	13:57	Carmichael	8081A	1816
g-BHC, Lindane	ND	ng/kg	0.032	500	2/ 5/03	13:57	Carmichael	8081A	1816
4,4'-DDD	41.3	ng/kg	6.66	2000	2/ 5/03	13:57	Carmichael	8081A	1816
4,4'-DDE	8.16	ng/kg	1.66	500	2/ 5/03	13:57	Carmichael	8081A	1816
4,4'-DDT	48.3	ng/kg	6.66	2000	2/ 5/03	13:57	Carmichael	8081A	1816
Dieldrin	10.2	ng/kg	1.66	500	2/ 5/03	13:57	Carmichael	8081A	1816
Endosulfan I	ND	ng/kg	0.032	500	2/ 5/03	13:57	Carmichael	8081A	1816
Endosulfan II	ND	ng/kg	0.032	2000	2/ 5/03	13:57	Carmichael	8081A	1816
Endosulfan sulfate	ND	ng/kg	1.66	500	2/ 5/03	13:57	Carmichael	8081A	1816
Endrin	ND	ng/kg	1.66	500	2/ 5/03	13:57	Carmichael	8081A	1816
Endrin aldehyde	3.33	ng/kg	1.66	500	2/ 5/03	13:57	Carmichael	8081A	1816
Endrin ketone	ND	ng/kg	1.66	500	2/ 5/03	13:57	Carmichael	8081A	1816
Heptachlor	ND	ng/kg	0.032	500	2/ 5/03	13:57	Carmichael	8081A	1816
Heptachlor epoxide	ND	ng/kg	0.032	500	2/ 5/03	13:57	Carmichael	8081A	1816
Methoxychlor	ND	ng/kg	0.32	500	2/ 5/03	13:57	Carmichael	8081A	1816
Toxaphene	513.	ng/kg	166.	500	2/ 5/03	13:57	Carmichael	8081A	1816
alpha-Chlordane	2.16	ng/kg	0.032	500	2/ 5/03	13:57	Carmichael	8081A	1816
gamma-Chlordane	ND	ng/kg	0.032	500	2/ 5/03	13:57	Carmichael	8081A	1816
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	81.8	%			2/21/03	14:30	K. Keller	CLP	7597

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6742  
 Sample ID: DG7-S3  
 Project: 37778-010-1400  
 Page 2

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### Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	29.8 gm	10.0 ml	12/27/02		M. Gauthan	9580

Surrogate	% Recovery	Target Range
pest SURT-TOMX	95.	48. - 132.
pest SURT-DCB	114.	46. - 140.

### LABORATORY COMMENTS:

ND = Not detected at the limit of detection  
 B = Analyte was detected in the method blank.  
 J = Estimated value below Report Limit.  
 E = Estimated value above the calibration limit of the instrument.  
 R = Recovery outside Laboratory historical or method prescribed limits.  
 All results reported on a wet weight basis.  
 Pesticides aldrin and alpha-PHC results were not different  
 between analytical columns.

End of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6752  
Sample ID: DGS-81  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/16/02  
Time Collected: 9:53  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCB's/HERBICIDES*</b>									
Aldrin	91.6	ng/kg	0.32	3000	2/ 6/03	0:58	Carmichael	8081A	1816
p-BHC	19.3	ng/kg	0.32	3000	2/ 6/03	0:58	Carmichael	8081A	1816
b-BHC	18.3	ng/kg	0.32	3000	2/ 6/03	0:58	Carmichael	8081A	1816
d-BHC	26.6	ng/kg	0.32	3000	2/ 6/03	0:58	Carmichael	8081A	1816
g-BHC, Lindane	ND	ng/kg	0.32	3000	2/ 6/03	0:58	Carmichael	8081A	1816
4,4'-DDD	2420	ng/kg	100.	30000	2/ 6/03	0:58	Carmichael	8081A	1816
4,4'-DDE	218.	ng/kg	10.0	3000	2/ 6/03	0:58	Carmichael	8081A	1816
4,4'-DDT	ND	ng/kg	100.	30000	2/ 6/03	0:58	Carmichael	8081A	1816
Dieldrin	146.	ng/kg	10.0	3000	2/ 6/03	0:58	Carmichael	8081A	1816
Endosulfan I	ND	ng/kg	03.2	30000	2/ 6/03	0:58	Carmichael	8081A	1816
Endosulfan II	ND	ng/kg	0.66.	30000	2/ 6/03	0:58	Carmichael	8081A	1816
Endosulfan sulfate	ND	ng/kg	30.0	3000	2/ 6/03	0:58	Carmichael	8081A	1816
Endrin	ND	ng/kg	100.	30000	2/ 6/03	0:58	Carmichael	8081A	1816
Endrin aldehyde	ND	ng/kg	100.	30000	2/ 6/03	0:58	Carmichael	8081A	1816
Endrin Ketone	ND	ng/kg	10.0	3000	2/ 6/03	0:58	Carmichael	8081A	1816
Heptachlor	33.3	ng/kg	0.32	3000	2/ 6/03	0:58	Carmichael	8081A	1816
Heptachlor epoxide	ND	ng/kg	03.2	30000	2/ 6/03	0:58	Carmichael	8081A	1816
Methoxychlor	ND	ng/kg	022.	30000	2/ 6/03	0:58	Carmichael	8081A	1816
Toxaphene	6080	ng/kg	1000	3000	2/ 6/03	0:58	Carmichael	8081A	1816
alpha-Chlordane	ND	ng/kg	03.2	30000	2/ 6/03	0:58	Carmichael	8081A	1816
gamma-Chlordane	ND	ng/kg	03.2	30000	2/ 6/03	0:58	Carmichael	8081A	1816
<b>*METALS*</b>									
Arsenic	194.	ng/kg	0.90	1	1/28/03	10:00	C. Martin	60109	1781

Sample report continued . . .



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6752  
 Sample ID: DGS-S1  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Nil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	87.4	%			1/21/03	14:20	K. Keller	GLP	7887

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.6 gm	10.0 ml	12/27/02		M. Gauthier	3550

LABORATORY COMMENTS:

ND = Not detected at the limit of detection  
 B = Analyte was detected in the method blank.  
 S = Estimated Value below Report Limit.  
 E = Estimated Value above the calibration limit of the instrument.  
 # = Recovery outside Laboratory historical or method prescribed limits.  
 All results reported on a wet weight basis.

Pesticide surrogate diluted below detectable levels due to sample matrix. Neptachlor results were not different between analytical columns.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6753  
Sample ID: DGS-82  
Sample Type: Soil  
Site ID:

Date Collected: 12/16/02  
Time Collected: 9:58  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCPs/HERBICIDES*</b>									
Aldrin	30.0	mg/kg	0.32	5000	2/ 6/03	1:56	Carmichael	8081A	1816
a-BHC	282.	mg/kg	83.2	50000	2/ 6/03	1:56	Carmichael	8081A	1816
b-BHC	76.6	mg/kg	0.32	5000	2/ 6/03	1:56	Carmichael	8081A	1816
d-BHC	16.6	mg/kg	0.32	5000	2/ 6/03	1:56	Carmichael	8081A	1816
g-BHC, Lindane	113.	mg/kg	0.32	5000	2/ 6/03	1:56	Carmichael	8081A	1816
4,4'-DDD	140.	mg/kg	66.6	50000	2/ 6/03	1:56	Carmichael	8081A	1816
4,4'-DDE	916.	mg/kg	166.	50000	2/ 6/03	1:56	Carmichael	8081A	1816
4,4'-DDT	1900	mg/kg	166.	50000	2/ 6/03	1:56	Carmichael	8081A	1816
Dieldrin	140.	mg/kg	66.6	20000	2/ 6/03	1:56	Carmichael	8081A	1816
Endosulfan I	ND	mg/kg	33.3	20000	2/ 6/03	1:56	Carmichael	8081A	1816
Endosulfan II	ND	mg/kg	66.6	20000	2/ 6/03	1:56	Carmichael	8081A	1816
Endosulfan sulfate	ND	mg/kg	66.6	20000	2/ 6/03	1:56	Carmichael	8081A	1816
Endrin	ND	mg/kg	66.6	20000	2/ 6/03	1:56	Carmichael	8081A	1816
Endrin aldehyde	ND	mg/kg	66.6	20000	2/ 6/03	1:56	Carmichael	8081A	1816
Endrin Ketone	38.2	mg/kg	16.6	5000	2/ 6/03	1:56	Carmichael	8081A	1816
Heptachlor	ND	mg/kg	33.3	20000	2/ 6/03	1:56	Carmichael	8081A	1816
Heptachlor epoxide	ND	mg/kg	33.3	20000	2/ 6/03	1:56	Carmichael	8081A	1816
Methoxychlor	ND	mg/kg	333.	20000	2/ 6/03	1:56	Carmichael	8081A	1816
Toxaphene	4310	mg/kg	1660	5000	2/ 6/03	1:56	Carmichael	8081A	1816
alpha-Chlordane	ND	mg/kg	33.3	20000	2/ 6/03	1:56	Carmichael	8081A	1816
gamma-Chlordane	ND	mg/kg	33.3	20000	2/ 6/03	1:56	Carmichael	8081A	1816
<b>*METALS*</b>									
Arsenic	222.	mg/kg	0.95	1	1/20/03	10:05	C. Martin	60102	1781

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6753  
 Sample ID: DG8-S2  
 Project: 37779-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
† Dry Weight	70.4	†			1/21/03	14:30	K. Keller	CLP	7587

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/27/02		K. Cauthen	3550

**LABORATORY COMMENTS:**

ND = Not detected at the limit of detection  
 B = Analyte was detected in the method blank.  
 F = Estimated Value below Report Limit.  
 S = Estimated Value above the calibration limit of the instrument.  
 † = Recovery outside Laboratory historical or method prescribed limits.  
 All results reported on a wet weight basis.  
 Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6755  
Sample ID: DG8-S3  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/16/02  
Time Collected: 10:08  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Aldrin	0.276	ug/kg	0.0166	10	2/ 6/03	4:49	Carmichael	8081A	1816
a-BHC	0.0400	ug/kg	0.0166	10	2/ 6/03	4:49	Carmichael	8081A	1816
b-BHC	0.203	ug/kg	0.0166	10	2/ 6/03	4:49	Carmichael	8081A	1816
d-BHC	0.0133 G	ug/kg	0.0166	10	2/ 6/03	4:49	Carmichael	8081A	1816
g-BHC, Lindane	ND	ug/kg	0.0166	10	2/ 6/03	4:49	Carmichael	8081A	1816
4,4'-DDD	0.566	ug/kg	0.166	50	2/ 6/03	4:49	Carmichael	8081A	1816
4,4'-DDE	0.300	ug/kg	0.166	50	2/ 6/03	4:49	Carmichael	8081A	1816
4,4'-DDT	1.66	ug/kg	1.66	100	2/ 6/03	4:49	Carmichael	8081A	1816
Dieldrin	1.17	ug/kg	0.166	50	2/ 6/03	4:49	Carmichael	8081A	1816
Endosulfen I	ND	ug/kg	0.0832	50	2/ 6/03	4:49	Carmichael	8081A	1816
Endosulfen II	ND	ug/kg	0.166	50	2/ 6/03	4:49	Carmichael	8081A	1816
Endosulfen sulfate	ND	ug/kg	0.166	50	2/ 6/03	4:49	Carmichael	8081A	1816
Endrin	ND	ug/kg	0.166	50	2/ 6/03	4:49	Carmichael	8081A	1816
Endrin aldehyde	ND	ug/kg	0.166	50	2/ 6/03	4:49	Carmichael	8081A	1816
Endrin ketone	0.0799	ug/kg	0.0332	10	2/ 6/03	4:49	Carmichael	8081A	1816
Heptachlor	ND	ug/kg	0.0832	50	2/ 6/03	4:49	Carmichael	8081A	1816
Heptachlor epoxide	ND	ug/kg	0.0832	50	2/ 6/03	4:49	Carmichael	8081A	1816
Methoxychlor	ND	ug/kg	0.0832	50	2/ 6/03	4:49	Carmichael	8081A	1816
Toxaphene	14.0	ug/kg	1.33	10	2/ 6/03	4:49	Carmichael	8081A	1816
alpha-chlordane	ND	ug/kg	0.0832	50	2/ 6/03	4:49	Carmichael	8081A	1816
gamma-chlordane	ND	ug/kg	0.0832	50	2/ 6/03	4:49	Carmichael	8081A	1816
<b>*METALS*</b>									
Arsenic	3.87	ug/kg	0.99	1	1/28/03	10:05	C. Martin	60108	1781

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6755  
 Sample ID: DG8-S3  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
↓ Dry Weight	82.3				1/21/03	16:00	K. Keller	CLP	7899

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.6 gm	10.0 ml	12/27/02		M. Cauthen	3980

**LABORATORY COMMENTS:**

ND = Not detected at the limit of detection  
 B = Analyte was detected in the method blank.  
 U = Estimated Value below Report Limit.  
 E = Estimated Value above the calibration limit of the instrument.  
 S = Recovery outside Laboratory historical or method prescribed limits.  
 All results reported on a wet weight basis.  
 Pesticide surrogates diluted below detectable levels due to sample matrix.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6754

Sample ID: DGS-S4

Sample Type: Soil

Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/16/02

Time Collected: 10:03

Date Received: 12/17/02

Time Received: 9:00

Page: 1

Analyte	Result	Units	Report Limit	DLI Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCH'S/HERBICIDES*</b>									
Aldrin	65.3	mg/kg	3.33	2000	2/ 6/03	3:22	Carmichael	8081A	1816
A-BHC	ND	mg/kg	3.33	2000	2/ 6/03	3:22	Carmichael	8081A	1816
B-BHC	16.6	mg/kg	3.33	2000	2/ 6/03	3:22	Carmichael	8081A	1816
d-BHC	ND	mg/kg	3.33	2000	2/ 6/03	3:22	Carmichael	8081A	1816
γ-BHC, Lindane	ND	mg/kg	3.33	2000	2/ 6/03	3:22	Carmichael	8081A	1816
4,4'-DDE	65.9	mg/kg	6.66	2000	2/ 6/03	3:22	Carmichael	8081A	1816
4,4'-DDD	66.6	mg/kg	6.66	2000	2/ 6/03	3:22	Carmichael	8081A	1816
4,4'-DDT	1830	mg/kg	166.	80000	2/ 6/03	3:22	Carmichael	8081A	1816
Dieldrin	188.	mg/kg	36.6	8000	2/ 6/03	3:22	Carmichael	8081A	1816
Endosulfan I	ND	mg/kg	3.33	2000	2/ 6/03	3:22	Carmichael	8081A	1816
Endosulfan II	ND	mg/kg	6.66	2000	2/ 6/03	3:22	Carmichael	8081A	1816
Endosulfan sulfate	ND	mg/kg	6.66	2000	2/ 6/03	3:22	Carmichael	8081A	1816
Endrin	30.6	mg/kg	6.66	2000	2/ 6/03	3:22	Carmichael	8081A	1816
Endrin aldehyde	ND	mg/kg	6.66	2000	2/ 6/03	3:22	Carmichael	8081A	1816
Endrin Ketone	7.88	mg/kg	6.66	2000	2/ 6/03	3:22	Carmichael	8081A	1816
Heptachlor	ND	mg/kg	3.33	2000	2/ 6/03	3:22	Carmichael	8081A	1816
Heptachlor epoxide	ND	mg/kg	3.33	2000	2/ 6/03	3:22	Carmichael	8081A	1816
Methoxychlor	ND	mg/kg	33.3	2000	2/ 6/03	3:22	Carmichael	8081A	1816
Toxaphene	882.	mg/kg	882.	1000	2/ 6/03	3:22	Carmichael	8081A	1816
Alpha-Chlordane	ND	mg/kg	3.33	2000	2/ 6/03	3:22	Carmichael	8081A	1816
gamma-Chlordane	ND	mg/kg	3.33	2000	2/ 6/03	3:22	Carmichael	8081A	1816
<b>*METALS*</b>									
Arsenic	173.	mg/kg	6.97	1	1/28/02	10:08	C. Martin	6019B	1781

Sample report continued . . .

# Test America

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6754  
 Sample ID: DGB-S4  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
† Dry Weight	74.3	%			1/21/03	16:00	K. Keller	CLP	7883

Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
OC Part	29.7 gm	10.0 ml		12/27/02		M. Caughan	3850

**LABORATORY COMMENTS:**

ND = Not detected at the limit of detection.  
 B = Analyte was detected in the method blank.  
 J = Estimated value below Report Limit.  
 X = Estimated value above the calibration limit of the instrument.  
 † = Recovery outside Laboratory historical or method prescribed limits.  
 All results reported on a wet weight basis.  
 Pesticide surrogate diluted below detectable levels due to sample matrix. Endrin results were >40% different between analytical columns.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6751  
Sample ID: DGS-85  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/16/02  
Time Collected: 9:47  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCP'S/HERBICIDES*</b>									
Aldrin	56.6	mg/kg	1.31	2000	2/ 5/03	22:34	Carmichael	8081A	1816
a-BHC	99.9	mg/kg	11.3	20000	2/ 5/03	22:34	Carmichael	8081A	1816
b-BHC	29.3	mg/kg	1.33	2000	2/ 5/03	22:34	Carmichael	8081A	1816
d-BHC	19.3	mg/kg	3.33	2000	2/ 5/03	22:34	Carmichael	8081A	1816
g-BHC, Lindane	11.3	mg/kg	1.31	2000	2/ 5/03	22:34	Carmichael	8081A	1816
4,4'-DDE	79.9	mg/kg	6.66	2000	2/ 5/03	22:34	Carmichael	8081A	1816
4,4'-DDD	113.	mg/kg	66.6	20000	2/ 5/03	22:34	Carmichael	8081A	1816
4,4'-DDT	420.	mg/kg	66.6	20000	2/ 5/03	22:34	Carmichael	8081A	1816
Dieldrin	99.9	mg/kg	66.6	20000	2/ 5/03	22:34	Carmichael	8081A	1816
Endosulfan I	ND	mg/kg	1.31	2000	2/ 5/03	22:34	Carmichael	8081A	1816
Endosulfan II	ND	mg/kg	6.66	2000	2/ 5/03	22:34	Carmichael	8081A	1816
Endosulfan sulfate	ND	mg/kg	6.66	2000	2/ 5/03	22:34	Carmichael	8081A	1816
Endrin	ND	mg/kg	6.66	2000	2/ 5/03	22:34	Carmichael	8081A	1816
Endrin aldehyde	ND	mg/kg	6.66	2000	2/ 5/03	22:34	Carmichael	8081A	1816
Endrin Ketone	16.0	mg/kg	6.66	2000	2/ 5/03	22:34	Carmichael	8081A	1816
Heptachlor	ND	mg/kg	1.33	2000	2/ 5/03	22:34	Carmichael	8081A	1816
Heptachlor epoxide	ND	mg/kg	6.33	2000	2/ 5/03	22:34	Carmichael	8081A	1816
Methoxychlor	ND	mg/kg	31.3	2000	2/ 5/03	22:34	Carmichael	8081A	1816
Toxaphene	1750	mg/kg	666.	2000	2/ 5/03	22:34	Carmichael	8081A	1816
alpha-Chlordane	ND	mg/kg	1.33	2000	2/ 5/03	22:34	Carmichael	8081A	1816
gamma-Chlordane	ND	mg/kg	1.33	2000	2/ 5/03	22:34	Carmichael	8081A	1816
<b>*METALS*</b>									
Arsenic	10.3	mg/kg	0.99	1	1/28/03	10:05	C. Martin	6010B	1751

Sample report continued . . .



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6751  
 Sample ID: DGS-85  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
† Dry Weight	68.9	†			1/21/03	14:30	K. Keller	GLP	7887

-----  
 Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Past	30.3 gm	10.0 ml	12/27/02		M. Caughan	3880

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - J = Estimated Value below Report Limit.
  - X = Estimated Value above the calibration limit of the instrument.
  - \$ = Recovery outside laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.  
 Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6747  
Sample ID: DG9-S1  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/16/02  
Time Collected: 8:54  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	DIL Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCP'S/HERBICIDES*</b>									
Aldrin	0.666	ng/kg	0.333	200	2/ 5/03	16:20	Carmichael	8081A	1816
a-BHC	0.215	ng/kg	0.333	200	2/ 5/03	16:20	Carmichael	8081A	1816
b-BHC	ND	ng/kg	0.333	200	2/ 5/03	16:20	Carmichael	8081A	1816
d-BHC	ND	ng/kg	0.333	200	2/ 5/03	16:20	Carmichael	8081A	1816
g-BHC, Lindane	ND	ng/kg	0.333	200	2/ 5/03	16:20	Carmichael	8081A	1816
4,4'-DDO	1.75	ng/kg	0.666	200	2/ 5/03	16:20	Carmichael	8081A	1816
4,4'-DDE	1.80	ng/kg	0.666	200	2/ 5/03	16:20	Carmichael	8081A	1816
4,4'-DDT	19.8	ng/kg	3.33	1000	2/ 5/03	16:20	Carmichael	8081A	1816
Dieldrin	2.19	ng/kg	0.666	200	2/ 5/03	16:20	Carmichael	8081A	1816
Endosulfen I	ND	ng/kg	0.333	200	2/ 5/03	16:20	Carmichael	8081A	1816
Endosulfen II	0.266	ng/kg	0.666	200	2/ 5/03	16:20	Carmichael	8081A	1816
Endosulfen sulfate	ND	ng/kg	0.666	200	2/ 5/03	16:20	Carmichael	8081A	1816
Heptachlor	0.899	ng/kg	0.666	200	2/ 5/03	16:20	Carmichael	8081A	1816
Heptachlor aldehyde	ND	ng/kg	0.666	200	2/ 5/03	16:20	Carmichael	8081A	1816
Heptachlor Ketone	0.400	ng/kg	0.666	200	2/ 5/03	16:20	Carmichael	8081A	1816
Heptachlor epoxide	ND	ng/kg	0.333	200	2/ 5/03	16:20	Carmichael	8081A	1816
Methoxychlor	ND	ng/kg	3.33	200	2/ 5/03	16:20	Carmichael	8081A	1816
Toxaphene	42.8	ng/kg	33.3	100	2/ 5/03	16:20	Carmichael	8081A	1816
alpha-chlordane	ND	ng/kg	0.333	200	2/ 5/03	16:20	Carmichael	8081A	1816
gamma-chlordane	ND	ng/kg	0.333	200	2/ 5/03	16:20	Carmichael	8081A	1816
<b>*METALS*</b>									
Arsenic	6.28	ng/kg	0.96	1	1/28/03	10:05	C. Martin	80108	1781

Sample report continued . . .

# Test America

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6747  
 Sample ID: DG9-S1  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	79.3	%			1/21/03	14:30	K. Keller	CLP	7887

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Test	29.8 gm	10.0 ml	12/27/02		M. Gerthen	3580

LABORATORY COMMENTS:

- ND - Not detected at the limit of detection
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - \* - Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.  
 Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6746  
Sample ID: DG9-S2  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/16/02  
Time Collected: 8:45  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCP's/HERBICIDES*</b>									
Aldrin	155.	mg/kg	15.6	10000	2/ 5/03	14:54	Carmichael	8081A	1816
a-BHC	ND	mg/kg	8.32	8000	2/ 5/03	14:54	Carmichael	8081A	1816
b-BHC	50.0	mg/kg	8.32	8000	2/ 5/03	14:54	Carmichael	8081A	1816
d-BHC	5.00	mg/kg	8.32	8000	2/ 5/03	14:54	Carmichael	8081A	1816
g-BHC, Lindane	ND	mg/kg	8.32	8000	2/ 5/03	14:54	Carmichael	8081A	1816
4,4'-DDD	115.	mg/kg	15.6	8000	2/ 5/03	14:54	Carmichael	8081A	1816
4,4'-DDE	108.	mg/kg	15.6	8000	2/ 5/03	14:54	Carmichael	8081A	1816
4,4'-DDT	1660	mg/kg	321.	100000	2/ 5/03	14:54	Carmichael	8081A	1816
Dieldrin	194.	mg/kg	32.3	10000	2/ 5/03	14:54	Carmichael	8081A	1816
Endosulfan I	ND	mg/kg	8.32	8000	2/ 5/03	14:54	Carmichael	8081A	1816
Endosulfan II	45.0	mg/kg	15.6	8000	2/ 5/03	14:54	Carmichael	8081A	1816
Endosulfan sulfate	51.6	mg/kg	15.6	8000	2/ 5/03	14:54	Carmichael	8081A	1816
Endrin	244.	mg/kg	32.3	10000	2/ 5/03	14:54	Carmichael	8081A	1816
Endrin aldehyde	ND	mg/kg	15.6	8000	2/ 5/03	14:54	Carmichael	8081A	1816
Endrin Ketone	33.3	mg/kg	15.6	8000	2/ 5/03	14:54	Carmichael	8081A	1816
Heptachlor	ND	mg/kg	8.32	8000	2/ 5/03	14:54	Carmichael	8081A	1816
Heptachlor epoxide	ND	mg/kg	8.32	8000	2/ 5/03	14:54	Carmichael	8081A	1816
Methoxychlor	ND	mg/kg	32.3	8000	2/ 5/03	14:54	Carmichael	8081A	1816
Toxaphene	12100	mg/kg	2460	8000	2/ 5/03	14:54	Carmichael	8081A	1816
alpha-Chlordane	ND	mg/kg	8.32	8000	2/ 5/03	14:54	Carmichael	8081A	1816
gamma-Chlordane	ND	mg/kg	8.32	8000	2/ 5/03	14:54	Carmichael	8081A	1816
<b>*METALS*</b>									
Arsenic	41.8	mg/kg	8.32	1	1/20/03	10:05	C. Martin	8010B	1751

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6746  
 Sample ID: DG9-82  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	81.4	%			1/21/03	14:30	K. Keller	GLP	7887

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
GC Past	29.8 gm	10.0 ml	12/27/02		M. Gauthan	3550

LABORATORY COMMENTS:

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - J = Estimated value below Report limit.
  - K = Estimated value above the calibration limit of the instrument.
  - \* = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.  
 Endosulfan Sulfate >40 % between analytical columns

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6748  
Sample ID: DG9-S3  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/16/02  
Time Collected: 9:10  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCPs/HERBICIDES*</b>									
Aldrin	6.66	mg/kg	2.33	3000	2/ 5/03	17:18	Carmichael	8081A	1816
a-BHC	ND	mg/kg	2.33	3000	2/ 5/03	17:18	Carmichael	8081A	1816
b-BHC	18.6	mg/kg	6.33	3000	2/ 5/03	17:18	Carmichael	8081A	1816
d-BHC	ND	mg/kg	2.33	3000	2/ 5/03	17:18	Carmichael	8081A	1816
g-BHC, Lindane	ND	mg/kg	2.33	3000	2/ 5/03	17:18	Carmichael	8081A	1816
4,4'-DDD	24.6	mg/kg	8.66	3000	2/ 5/03	17:18	Carmichael	8081A	1816
4,4'-DDE	48.3	mg/kg	16.66	3000	2/ 5/03	17:18	Carmichael	8081A	1816
4,4'-DDT	736.	mg/kg	26.6	30000	2/ 5/03	17:18	Carmichael	8081A	1816
Dieldrin	98.7	mg/kg	33.66	3000	2/ 5/03	17:18	Carmichael	8081A	1816
Endosulfan I	ND	mg/kg	2.33	3000	2/ 5/03	17:18	Carmichael	8081A	1816
Endosulfan II	7.33	mg/kg	2.46	3000	2/ 5/03	17:18	Carmichael	8081A	1816
Endosulfan sulfate	ND	mg/kg	2.86	3000	2/ 5/03	17:18	Carmichael	8081A	1816
Endrin	32.0	mg/kg	11.66	3000	2/ 5/03	17:18	Carmichael	8081A	1816
Endrin aldehyde	ND	mg/kg	26.6	20000	2/ 5/03	17:18	Carmichael	8081A	1816
Endrin Ketone	13.3	mg/kg	4.66	3000	2/ 5/03	17:18	Carmichael	8081A	1816
Heptachlor	ND	mg/kg	2.33	3000	2/ 5/03	17:18	Carmichael	8081A	1816
Heptachlor epoxide	ND	mg/kg	2.33	3000	2/ 5/03	17:18	Carmichael	8081A	1816
Methoxychlor	ND	mg/kg	233.	30000	2/ 5/03	17:18	Carmichael	8081A	1816
Toxaphene	1380	mg/kg	466.	3000	2/ 5/03	17:18	Carmichael	8081A	1816
alpha-Chlordane	ND	mg/kg	2.33	3000	2/ 5/03	17:18	Carmichael	8081A	1816
gamma-Chlordane	ND	mg/kg	2.33	3000	2/ 5/03	17:18	Carmichael	8081A	1816
<b>*METALS*</b>									
Arsenic	64.4	mg/kg	0.97	2	1/28/03	10:05	C. Martin	60108	1781

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6748  
 Sample ID: DG9-S3  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
† Dry Weight	84.0	†			2/21/03	14:30	K. Keller	CLP	7847

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
DC Pest	10.4 gm	10.0 ml	12/27/02		M. Caucher	3880

LABORATORY COMMENTS:

ND = Not detected at the limit of detection  
 B = Analyte was detected in the method blank.  
 S = Estimated Value below Report Limit.  
 E = Estimated Value above the calibration limit of the instrument.  
 † = Recovery outside laboratory historical or method prescribed limits.  
 All results reported on a wet weight basis.  
 Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 03-A6749  
 Sample ID: DG9-S4  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHARLES WAY

Date Collected: 12/16/02  
 Time Collected: 9:18  
 Date Received: 12/17/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	DL Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCP'S/HERBICIDES*</b>									
Aldrin	12.0	mg/kg	1.66	1000	2/ 5/03	19:41	Carmichael	8081A	1816
a-BHC	5.33	mg/kg	1.66	1000	2/ 5/03	19:41	Carmichael	8081A	1816
b-BHC	3.00	mg/kg	1.66	1000	2/ 5/03	19:41	Carmichael	8081A	1816
d-BHC	1.33	mg/kg	1.66	1000	2/ 5/03	19:41	Carmichael	8081A	1816
g-BHC, Lindane	4.66	mg/kg	1.66	1000	2/ 5/03	19:41	Carmichael	8081A	1816
4,4'-DDP	ND	mg/kg	66.6	20000	2/ 5/03	19:41	Carmichael	8081A	1816
4,4'-DDE	6.33	mg/kg	3.33	1000	2/ 5/03	19:41	Carmichael	8081A	1816
4,4'-DDT	340.	mg/kg	66.6	20000	2/ 5/03	19:41	Carmichael	8081A	1816
Dieldrin	23.6	mg/kg	3.33	1000	2/ 5/03	19:41	Carmichael	8081A	1816
Endosulfan I	ND	mg/kg	33.3	20000	2/ 5/03	19:41	Carmichael	8081A	1816
Endosulfan II	3.99	mg/kg	3.33	1000	2/ 5/03	19:41	Carmichael	8081A	1816
Endosulfan sulfate	ND	mg/kg	66.6	20000	2/ 5/03	19:41	Carmichael	8081A	1816
Endrin	ND	mg/kg	3.33	1000	2/ 5/03	19:41	Carmichael	8081A	1816
Endrin aldehyde	ND	mg/kg	66.6	20000	2/ 5/03	19:41	Carmichael	8081A	1816
Endrin ketone	ND	mg/kg	3.99	1000	2/ 5/03	19:41	Carmichael	8081A	1816
Heptachlor	ND	mg/kg	1.66	1000	2/ 5/03	19:41	Carmichael	8081A	1816
Heptachlor epoxide	ND	mg/kg	1.66	1000	2/ 5/03	19:41	Carmichael	8081A	1816
Methoxychlor	ND	mg/kg	16.6	1000	2/ 5/03	19:41	Carmichael	8081A	1816
Toxaphene	2280	mg/kg	66.6	2000	2/ 5/03	19:41	Carmichael	8081A	1816
alpha-Chlordane	ND	mg/kg	1.66	1000	2/ 5/03	19:41	Carmichael	8081A	1816
gamma-Chlordane	ND	mg/kg	1.66	1000	2/ 5/03	19:41	Carmichael	8081A	1816
<b>*METALS*</b>									
Arsenic	30.4	mg/kg	1.00	1	1/28/03	10:08	C. Martin	8010B	1781

Sample report continued . . .



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6749  
 Sample ID: DG9-S4  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	RII Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
† Dry Weight	79.1	%			1/21/03	14:30	R. Keller	CLP	9887

Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	29.7 gm		10.0 ml	12/27/02		N. Caution	3550

**LABORATORY COMMENTS:**

ND = Not detected at the limit of detection  
 B = Analyte was detected in the method blank.  
 U = Estimated Value below Report Limit.  
 E = Estimated Value above the calibration limit of the instrument.  
 † = Recovery outside Laboratory historical or method prescribed limits.  
 All results reported on a wet weight basis.  
 Pesticide surrogate diluted below detectable levels due to sample matrix.  
 ieldrin not between columns

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6750  
Sample ID: DG9-S5  
Sample Type: Soil  
Site ID:

Date Collected: 12/16/02  
Time Collected: 9:27  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCBs/KERBICIDES*</b>									
Aldrin	40.6	ng/kg	1.33	2000	2/ 5/03	21:08	Carmichael	8081A	1816
a-BHC	ND	ng/kg	14.6	10000	2/ 5/03	21:08	Carmichael	8081A	1816
b-BHC	46.6	ng/kg	1.33	8000	2/ 5/03	21:08	Carmichael	8081A	1816
d-BHC	2.00	ng/kg	1.33	2000	2/ 5/03	21:08	Carmichael	8081A	1816
g-BHC, Lindane	ND	ng/kg	1.33	2000	2/ 5/03	21:08	Carmichael	8081A	1816
4,4'-DDD	68.6	ng/kg	6.66	2000	2/ 5/03	21:08	Carmichael	8081A	1816
4,4'-DDE	2238	ng/kg	133.	100000	2/ 5/03	21:08	Carmichael	8081A	1816
4,4'-DDT	2260	ng/kg	133.	100000	2/ 5/03	21:08	Carmichael	8081A	1816
Dieldrin	130.	ng/kg	33.3	10000	2/ 5/03	21:08	Carmichael	8081A	1816
Endosulfan I	ND	ng/kg	1.33	2000	2/ 5/03	21:08	Carmichael	8081A	1816
Endosulfan II	ND	ng/kg	13.3	10000	2/ 5/03	21:08	Carmichael	8081A	1816
Endosulfan sulfate	12.7	ng/kg	6.66	2000	2/ 5/03	21:08	Carmichael	8081A	1816
Endrin	ND	ng/kg	13.3	10000	2/ 5/03	21:08	Carmichael	8081A	1816
Endrin aldehyde	ND	ng/kg	13.3	10000	2/ 5/03	21:08	Carmichael	8081A	1816
Endrin ketone	16.8	ng/kg	6.66	2000	2/ 5/03	21:08	Carmichael	8081A	1816
Heptachlor	ND	ng/kg	1.33	2000	2/ 5/03	21:08	Carmichael	8081A	1816
Heptachlor epoxide	ND	ng/kg	1.33	2000	2/ 5/03	21:08	Carmichael	8081A	1816
Methoxychlor	ND	ng/kg	13.3	2000	2/ 5/03	21:08	Carmichael	8081A	1816
Toxaphene	8840	ng/kg	2650	8000	2/ 5/03	21:08	Carmichael	8081A	1816
alpha-Chlordane	ND	ng/kg	1.33	2000	2/ 5/03	21:08	Carmichael	8081A	1816
gamma-Chlordane	ND	ng/kg	1.33	2000	2/ 5/03	21:08	Carmichael	8081A	1816
<b>*METALS*</b>									
Arsenic	180.	ng/kg	0.96	1	1/28/03	10:05	C. Martin	60108	1782

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6750  
 Sample ID: DG9-S5  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	85.5	%			1/21/03	14:30	K. Keller	GLP	7887

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Test	29.7 gm	10.0 ml	12/27/02		M. Caution	3880

LABORATORY COMMENTS:

ND = Not detected at the limit of detection  
 B = Analyte was detected in the method blank.  
 C = Estimated Value below Report Limit.  
 E = Estimated Value above the calibration limit of the instrument.  
 \$ = Recovery outside Laboratory historical or method prescribed limits.  
 All results reported on a wet weight basis.  
 Pesticide surrogate diluted below detectable levels due to sample matrix.  
 Endosulfan Sulfate >40% between columns

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6764  
Sample ID: DG10-S1  
Sample Type: Soil  
Site ID:

Date Collected: 12/16/02  
Time Collected: 11:05  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCPs/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.032	500	1/25/03	9:32	D. Desouza	8081A	1811
a-BHC	ND	mg/kg	0.032	500	1/25/03	9:32	D. Desouza	8081A	1811
b-BHC	1.50	mg/kg	0.032	500	1/25/03	9:32	D. Desouza	8081A	1811
d-BHC	ND	mg/kg	0.032	500	1/25/03	9:32	D. Desouza	8081A	1811
g-BHC, Lindane	ND	mg/kg	0.032	500	1/25/03	9:32	D. Desouza	8081A	1811
4,4'-DDD	6.399	mg/kg	1.66	500	1/25/03	9:32	D. Desouza	8081A	1811
4,4'-DDE	3.00	mg/kg	1.66	500	1/25/03	9:32	D. Desouza	8081A	1811
4,4'-DDT	17.6	mg/kg	1.66	500	1/25/03	9:32	D. Desouza	8081A	1811
Dieldrin	10.7	mg/kg	1.66	500	1/25/03	9:32	D. Desouza	8082A	1811
Endosulfan I	ND	mg/kg	0.032	500	1/25/03	9:32	D. Desouza	8082A	1811
Endosulfan II	ND	mg/kg	1.66	500	1/25/03	9:32	D. Desouza	8082A	1811
Endosulfan sulfate	ND	mg/kg	1.66	500	1/25/03	9:32	D. Desouza	8082A	1811
Endrin	ND	mg/kg	1.66	500	1/25/03	9:32	D. Desouza	8082A	1811
Endrin aldehyde	ND	mg/kg	1.66	500	1/25/03	9:32	D. Desouza	8082A	1811
Endrin ketone	ND	mg/kg	1.66	500	1/25/03	9:32	D. Desouza	8082A	1811
Heptachlor	ND	mg/kg	0.032	500	1/25/03	9:32	D. Desouza	8082A	1811
Heptachlor epoxide	ND	mg/kg	0.032	500	1/25/03	9:32	D. Desouza	8082A	1811
Methoxychlor	ND	mg/kg	5.32	500	1/25/03	9:32	D. Desouza	8082A	1811
Toxaphene	55.6	mg/kg	13.3	40	1/25/03	9:32	D. Desouza	8082A	1811
alpha-Chlordane	ND	mg/kg	0.032	500	1/25/03	9:32	D. Desouza	8082A	1811
gamma-Chlordane	ND	mg/kg	0.032	500	1/25/03	9:32	D. Desouza	8082A	1811
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	62.9	%			1/21/03	14:00	X. Keller	CLP	7899

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6764  
 Sample ID: DG10-S1  
 Project: 37778-010-1400  
 Page 2

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**Sample Extraction Data**

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.2 gm	10.0 ml	12/30/02		W. Cauthen	3580

**LABORATORY COMMENTS:**

- ND = Not Detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - J = Estimated Value below Report Limit.
  - K = Estimated Value above the calibration limit of the instrument.
  - L = Recovery outside Laboratory Historical or method prescribed limits.
- All results reported on a wet weight basis.  
 pest surrogate diluted out.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6763  
Sample ID: DG10-S2  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/16/02  
Time Collected: 11:03  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCPs/HERBICIDES*</b>									
Aldrin	ND	ng/kg	0.0333	20	1/28/03	11:17	D. Desouza	8081A	1811
a-BHC	0.0523	ng/kg	0.0333	20	1/28/03	11:17	D. Desouza	8081A	1811
b-BHC	0.779	ng/kg	0.0333	20	1/28/03	11:17	D. Desouza	8081A	1811
d-BHC	ND	ng/kg	0.0333	20	1/28/03	11:17	D. Desouza	8081A	1811
g-BHC, Lindane	0.0200	ng/kg	0.0333	20	1/28/03	11:17	D. Desouza	8081A	1811
4,4'-DDP	ND	ng/kg	0.0666	20	1/28/03	11:17	D. Desouza	8081A	1811
4,4'-DDE	0.412	ng/kg	0.0666	20	1/28/03	11:17	D. Desouza	8081A	1811
4,4'-DDT	0.813	ng/kg	0.0666	20	1/28/03	11:17	D. Desouza	8081A	1811
Dieldrin	0.946	ng/kg	0.0666	20	1/28/03	11:17	D. Desouza	8081A	1811
Endosulfan I	ND	ng/kg	0.0333	20	1/28/03	11:17	D. Desouza	8081A	1811
Endosulfan II	ND	ng/kg	0.0666	20	1/28/03	11:17	D. Desouza	8081A	1811
Endosulfan sulfate	ND	ng/kg	0.0666	20	1/28/03	11:17	D. Desouza	8081A	1811
Endrin	ND	ng/kg	0.0666	20	1/28/03	11:17	D. Desouza	8081A	1811
Endrin aldehyde	ND	ng/kg	0.133	20	1/28/03	11:17	D. Desouza	8081A	1811
Endrin ketone	0.173	ng/kg	0.0666	20	1/28/03	11:17	D. Desouza	8081A	1811
Heptachlor	ND	ng/kg	0.0333	20	1/28/03	11:17	D. Desouza	8081A	1811
Heptachlor epoxide	0.0486	ng/kg	0.0333	20	1/28/03	11:17	D. Desouza	8081A	1811
Methoxychlor	ND	ng/kg	0.333	20	1/28/03	11:17	D. Desouza	8081A	1811
Toxaphene	14.3	ng/kg	3.33	10	1/28/03	11:17	D. Desouza	8081A	1811
alpha-Chlordane	ND	ng/kg	0.0333	20	1/28/03	11:17	D. Desouza	8081A	1811
gamma-Chlordane	0.107	ng/kg	0.0333	20	1/28/03	11:17	D. Desouza	8081A	1811
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	81.1	%			1/21/03	16:00	X. Kallar	GLP	7599

Sample report continued . . .

# Test America

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6763  
 Sample ID: DG10-S2  
 Project: 37778-010-1400  
 Page 2

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 Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/20/02		N. Caithen	3850

LABORATORY COMMENTS:

- ND = Not detected at the limit of detection
  - N = Analyte was detected in the method blank.
  - J = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - \$ = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.  
 pest surrogate diluted out.  
 dde, ddt and dieldrin >10%

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6765  
Sample ID: DG10-S3  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/16/02  
Time Collected: 11:08  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCBs/HYDRAZIDES*</b>									
Aldrin	ND	mg/kg	0.032	500	1/28/03	10:01	D. Desouza	8081A	1811
a-BHC	2.83	mg/kg	0.032	500	1/28/03	10:01	D. Desouza	8081A	1811
b-BHC	2.00	mg/kg	0.032	500	1/28/03	10:01	D. Desouza	8081A	1811
d-BHC	ND	mg/kg	0.032	500	1/28/03	10:01	D. Desouza	8081A	1811
g-BHC, Lindane	ND	mg/kg	0.032	500	1/28/03	10:01	D. Desouza	8081A	1811
4,4'-DDE	70.8	mg/kg	0.82	3500	1/28/03	10:01	D. Desouza	8081A	1811
4,4'-DDD	9.16	P mg/kg	1.66	500	1/28/03	10:01	D. Desouza	8082A	1811
4,4'-DDT	22.6	P mg/kg	1.66	500	1/28/03	10:01	D. Desouza	8081A	1811
Dieldrin	84.1	mg/kg	0.82	2500	1/28/03	10:01	D. Desouza	8081A	1811
Endosulfan I	ND	mg/kg	1.22	500	1/28/03	10:01	D. Desouza	8081A	1811
Endosulfan II	5.83	mg/kg	1.66	500	1/28/03	10:01	D. Desouza	8081A	1811
Endosulfan sulfate	ND	mg/kg	1.66	500	1/28/03	10:01	D. Desouza	8081A	1811
Endrin	ND	mg/kg	1.66	500	1/28/03	10:01	D. Desouza	8081A	1811
Endrin aldehyde	ND	mg/kg	1.70	500	1/28/03	10:01	D. Desouza	8081A	1811
Endrin Ketone	4.23	mg/kg	1.66	500	1/28/03	10:01	D. Desouza	8081A	1811
Heptachlor	ND	mg/kg	0.032	500	1/28/03	10:01	D. Desouza	8081A	1811
Heptachlor epoxide	ND	mg/kg	0.032	500	1/28/03	10:01	D. Desouza	8081A	1811
Methoxychlor	ND	mg/kg	0.82	500	1/28/03	10:01	D. Desouza	8081A	1811
Toxaphene	295.	mg/kg	66.6	200	1/28/03	10:01	D. Desouza	8081A	1811
alpha-Chlordane	ND	mg/kg	0.032	500	1/28/03	10:01	D. Desouza	8081A	1811
gamma-Chlordane	ND	mg/kg	0.032	500	1/28/03	10:01	D. Desouza	8081A	1811
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
t Dry Weight	81.7	t			1/21/03	15:00	K. Keller	CLP	7899

sample report continued . . .



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6765  
 Sample ID: DG10-S3  
 Project: 37778-010-1400  
 Page 2

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### Sample Extraction Data

Parameter	wt/vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	10.4 gm	10.0 ml	12/30/02		M. Cauchon	2850

### LABORATORY COMMENTS:

ND = Not detected at the limit of detection  
 B = Analyte was detected in the method blank.  
 U = Estimated Value below Report Limit.  
 X = Estimated Value above the calibration limit of the instrument.  
 † = Recovery outside Laboratory historical or method prescribed limits.  
 All results reported on a wet weight basis.  
 pest surrogate diluted out.  
 dde and ddt > 40%

End of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6761  
Sample ID: DG10-S4  
Sample Type: Soil  
Site ID:

Date Collected: 12/16/02  
Time Collected: 10:56  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	RII Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	0.127	mg/kg	0.0333	20	1/25/03	7:08	D. Desouza	8081A	1811
a-BHC	0.0666	mg/kg	0.0333	20	1/25/03	7:08	D. Desouza	8081A	1811
b-BHC	0.490	mg/kg	0.0333	20	1/25/03	7:08	D. Desouza	8081A	1811
d-BHC	0.0333	mg/kg	0.0333	20	1/25/03	7:08	D. Desouza	8081A	1811
g-BHC, Lindane	0.0400	mg/kg	0.0333	20	1/25/03	7:08	D. Desouza	8081A	1811
4,4'-DDE	0.619	mg/kg	0.0666	20	1/25/03	7:08	D. Desouza	8081A	1811
4,4'-DDE	0.473	mg/kg	0.0666	20	1/25/03	7:08	D. Desouza	8081A	1811
4,4'-DDT	1.08	mg/kg	0.133	40	1/25/03	7:08	D. Desouza	8081A	1811
Dieldrin	0.246	mg/kg	0.0666	20	1/25/03	7:08	D. Desouza	8081A	1811
Endosulfan I	ND	mg/kg	0.0333	20	1/25/03	7:08	D. Desouza	8081A	1811
Endosulfan II	ND	mg/kg	0.0666	20	1/25/03	7:08	D. Desouza	8081A	1811
Endosulfan sulfate	ND	mg/kg	0.0666	20	1/25/03	7:08	D. Desouza	8081A	1811
Endrin	ND	mg/kg	0.0666	20	1/25/03	7:08	D. Desouza	8081A	1811
Endrin aldehyde	ND	mg/kg	0.0666	20	1/25/03	7:08	D. Desouza	8081A	1811
Endrin ketone	ND	mg/kg	0.0666	20	1/25/03	7:08	D. Desouza	8081A	1811
Heptachlor	ND	mg/kg	0.0333	20	1/25/03	7:08	D. Desouza	8081A	1811
Heptachlor epoxide	ND	mg/kg	0.0333	20	1/25/03	7:08	D. Desouza	8081A	1811
Methoxychlor	ND	mg/kg	0.133	20	1/25/03	7:08	D. Desouza	8081A	1811
Tomaphene	4.90	mg/kg	1.66	5	1/25/03	7:08	D. Desouza	8081A	1811
alpha-Chlordane	ND	mg/kg	0.0333	20	1/25/03	7:08	D. Desouza	8081A	1811
gamma-Chlordane	ND	mg/kg	0.0333	20	1/25/03	7:08	D. Desouza	8081A	1811
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	81.3				1/21/03	16:50	R. Keller	CLP	7898

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6761  
Sample ID: DG10-S4  
Project: 37778-010-1400  
Page 2

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Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Fast	29.8 gm	10.0 ml	12/30/02		M. Cauthen	2850

### LABORATORY COMMENTS:

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - J = Estimated Value below Report Limit.
  - X = Estimated Value above the calibration limit of the instrument.
  - 6 = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.  
pest surrogate diluted out.  
data-bbc pest

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 03-A6762  
 Sample ID: DG10-S5  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHARLES WAY

Date Collected: 12/16/02  
 Time Collected: 10:59  
 Date Received: 12/17/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	DIL Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Aldrin	0.0170	ng/kg	0.0017	1	1/25/03	7:37	D. Descouza	8081A	1811
d-BHC	ND	ng/kg	0.0017	1	1/25/03	7:37	D. Descouza	8081A	1811
h-BHC	0.0283	ng/kg	0.0017	1	1/25/03	7:37	D. Descouza	8081A	1811
s-BHC	ND	ng/kg	0.0017	1	1/25/03	7:37	D. Descouza	8081A	1811
g-BHC, Lindane	ND	ng/kg	0.0017	1	1/25/03	7:37	D. Descouza	8081A	1811
4,4'-DDD	0.0132	ng/kg	0.0033	1	1/25/03	7:37	D. Descouza	8081A	1811
4,4'-DDD	0.0749	ng/kg	0.0166	5	1/25/03	7:37	D. Descouza	8081A	1811
4,4'-DDT	0.0087	ng/kg	0.0033	1	1/25/03	7:37	D. Descouza	8081A	1811
Dieldrin	0.0408	ng/kg	0.0033	1	1/25/03	7:37	D. Descouza	8081A	1811
Endosulfan I	ND	ng/kg	0.0017	1	1/25/03	7:37	D. Descouza	8081A	1811
Endosulfan II	ND	ng/kg	0.0033	1	1/25/03	7:37	D. Descouza	8081A	1811
Endosulfan sulfate	ND	ng/kg	0.0033	1	1/25/03	7:37	D. Descouza	8081A	1811
Endrin	ND	ng/kg	0.0033	1	1/25/03	7:37	D. Descouza	8081A	1811
Endrin aldehyde	ND	ng/kg	0.0033	1	1/25/03	7:37	D. Descouza	8081A	1811
Endrin ketone	ND	ng/kg	0.0033	1	1/25/03	7:37	D. Descouza	8081A	1811
Heptachlor	ND	ng/kg	0.0017	1	1/25/03	7:37	D. Descouza	8081A	1811
Heptachlor epoxide	ND	ng/kg	0.0033	5	1/25/03	7:37	D. Descouza	8081A	1811
Methoxychlor	ND	ng/kg	0.0266	1	1/25/03	7:37	D. Descouza	8081A	1811
Toxaphene	0.446	ng/kg	0.333	1	1/25/03	7:37	D. Descouza	8081A	1811
alpha-Chlordane	ND	ng/kg	0.0017	1	1/25/03	7:37	D. Descouza	8081A	1811
gamma-Chlordane	ND	ng/kg	0.0017	1	1/25/03	7:37	D. Descouza	8081A	1811
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
* Dry Weight	81.6	%			1/23/03	15:00	K. Keller	CLP	7899

Sample report continued . . .

# Test America

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6762  
 Sample ID: DG10-85  
 Project: 37778-010-1400  
 Page 2

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 Sample Extraction Data

Parameter	Wt/vol	Extracted	Extract Vol	Date	Time	Analyst	Method
OC Test	29.6 gm	10.0 ml		12/30/02		M. Caughen	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	106.	48. - 132.
pest surr-DCP	104.	46. - 140.

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - U = Estimated Value below Report Limit.
  - E = Estimated Value above the calibration limit of the instrument.
  - \* = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6756  
Sample ID: DG11-S1  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/16/02  
Time Collected: 10:29  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCB'S/HERBICIDES*</b>									
Aldrin	0.0087	mg/kg	0.0033	2	1/25/03	2:48	D. Desouza	8081A	1811
a-BHC	0.0606	mg/kg	0.0033	2	1/25/03	2:48	D. Desouza	8081A	1811
b-BHC	0.026	mg/kg	0.0033	20	1/25/03	2:48	D. Desouza	8081A	1811
d-BHC	0.0087	mg/kg	0.0033	2	1/25/03	2:48	D. Desouza	8081A	1811
g-BHC, Lindane	0.0148	mg/kg	0.0033	2	1/25/03	2:48	D. Desouza	8081A	1811
4,4'-DDE	0.0899	mg/kg	0.0067	2	1/25/03	2:48	D. Desouza	8081A	1811
4,4'-DDE	0.0899	mg/kg	0.0067	2	1/25/03	2:48	D. Desouza	8081A	1811
4,4'-DDT	0.558	mg/kg	0.0666	20	1/25/03	2:48	D. Desouza	8081A	1811
Dieldrin	0.253	mg/kg	0.0666	20	1/25/03	2:48	D. Desouza	8081A	1811
Endosulfan I	0.0160 P	mg/kg	0.0033	2	1/25/03	2:48	D. Desouza	8081A	1811
Endosulfan II	0.0283 P	mg/kg	0.0067	2	1/25/03	2:48	D. Desouza	8081A	1811
Endosulfan sulfate	ND	mg/kg	0.0067	2	1/25/03	2:48	D. Desouza	8081A	1811
Endrin	ND	mg/kg	0.0067	2	1/25/03	2:48	D. Desouza	8081A	1811
Endrin aldehyde	ND	mg/kg	0.0067	2	1/25/03	2:48	D. Desouza	8081A	1811
Endrin ketone	0.0087	mg/kg	0.0067	2	1/25/03	2:48	D. Desouza	8081A	1811
Heptachlor	0.0027 J	mg/kg	0.0033	2	1/25/03	2:48	D. Desouza	8081A	1811
Heptachlor epoxide	ND	mg/kg	0.0033	2	1/25/03	2:48	D. Desouza	8081A	1811
Methoxychlor	ND	mg/kg	0.0033	2	1/25/03	2:48	D. Desouza	8081A	1811
Toxaphene	2.53	mg/kg	0.666	2	1/25/03	2:48	D. Desouza	8081A	1811
alpha-Chlordane	ND	mg/kg	0.0033	2	1/25/03	2:48	D. Desouza	8081A	1811
gamma-Chlordane	ND	mg/kg	0.0033	2	1/25/03	2:48	D. Desouza	8081A	1811
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
† Dry Weight	88.6	%			1/21/03	16:00	K. Keller	CLP	7599

Sample reports continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6756  
 Sample ID: DG11-S1  
 Project: 37778-010-1400  
 Page 2

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**Sample Extraction Data**

Parameter	Wt./Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Past	10.0 gm	10.0 ml	12/30/02		M. Cauthen	8686

Surrogate	% Recovery	Target Range
past surr-TOMX	106.	48. - 132.
past surr-DCB	116.	46. - 140.

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - J = Estimated Value below Report Limit.
  - H = Estimated Value above the calibration limit of the instrument.
  - R = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.  
 endoculfan and endoculfan II > 40%.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Lab Number: 03-A6758  
Sample ID: DG11-S2  
Sample Type: Soil  
Site ID:

Date Collected: 12/16/02  
Time Collected: 10:35  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	ng/kg	0.0017	1	1/25/03	4:15	D. Descouza	8081A	1811
a-BHC	0.0017	ng/kg	0.0017	1	1/25/03	4:15	D. Descouza	8081A	1811
b-BHC	0.0190	ng/kg	0.0017	1	1/25/03	4:15	D. Descouza	8081A	1811
d-BHC	ND	ng/kg	0.0017	1	1/25/03	4:15	D. Descouza	8081A	1811
g-BHC, Lindane	ND	ng/kg	0.0017	1	1/25/03	4:15	D. Descouza	8081A	1811
4,4'-DDD	ND	ng/kg	0.0033	1	1/25/03	4:15	D. Descouza	8081A	1811
4,4'-DDE	0.0015 J	ng/kg	0.0033	1	1/25/03	4:15	D. Descouza	8081A	1811
4,4'-DDT	0.0037	ng/kg	0.0033	1	1/25/03	4:15	D. Descouza	8081A	1811
Dieldrin	ND	ng/kg	0.0033	1	1/25/03	4:15	D. Descouza	8081A	1811
Endosulfan I	ND	ng/kg	0.0017	1	1/25/03	4:15	D. Descouza	8081A	1811
Endosulfan II	ND	ng/kg	0.0033	1	1/25/03	4:15	D. Descouza	8081A	1811
Endosulfan sulfate	ND	ng/kg	0.0033	1	1/25/03	4:15	D. Descouza	8081A	1811
Endrin	ND	ng/kg	0.0033	1	1/25/03	4:15	D. Descouza	8081A	1811
Endrin aldehyde	ND	ng/kg	0.0033	1	1/25/03	4:15	D. Descouza	8081A	1811
Endrin ketone	ND	ng/kg	0.0033	1	1/25/03	4:15	D. Descouza	8081A	1811
Heptachlor	ND	ng/kg	0.0017	1	1/25/03	4:15	D. Descouza	8081A	1811
Heptachlor epoxide	ND	ng/kg	0.0017	1	1/25/03	4:15	D. Descouza	8081A	1811
Methoxychlor	ND	ng/kg	0.0166	1	1/25/03	4:15	D. Descouza	8081A	1811
Toxaphene	ND	ng/kg	0.223	1	1/25/03	4:15	D. Descouza	8081A	1811
alpha-Chlordane	ND	ng/kg	0.0017	1	1/25/03	4:15	D. Descouza	8081A	1811
gamma-Chlordane	ND	ng/kg	0.0017	1	1/25/03	4:15	D. Descouza	8081A	1811
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
+ Dry Weight	82.2	%			1/21/03	16:00	K. Keller	CLF	7598

Sample report continued . . .



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6758  
 Sample ID: DG11-S2  
 Project: 37778-010-1400  
 Page 2

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 Sample Extraction Data

Parameter	WT/vol Extracted	Extract Vol	Date	Time	Analyst	Method
OC Past	30.0 gm	10.0 ml	12/30/02		M. Gauthier	3550

Surrogate	% Recovery	Target Range
pest surr-TORX	60.	40. - 122.
pest surr-DCE	68.	45. - 140.

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - B = Analyte was detected in the method blank.
  - J = Estimated Value Below Report Limit.
  - H = Estimated Value above the calibration limit of the instrument.
  - @ = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6757  
Sample ID: DG11-S3  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/16/02  
Time Collected: 10:32  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PRACTICIDS/PC's/HERBICIDES*</b>									
Aldrin	ND	ng/kg	0.0033	2	1/25/03	3:17	D. Desouza	8081A	1811
a-BHC	0.0248	ng/kg	0.0033	2	1/25/03	3:17	D. Desouza	8081A	1811
b-BHC	0.483	ng/kg	0.0033	20	1/25/03	3:17	D. Desouza	8081A	1811
d-BHC	0.0060	ng/kg	0.0033	2	1/25/03	3:17	D. Desouza	8081A	1811
g-BHC, Lindane	0.0140	ng/kg	0.0033	2	1/25/03	3:17	D. Desouza	8081A	1811
4,4'-DDE	0.113	ng/kg	0.0066	20	1/25/03	3:17	D. Desouza	8081A	1811
4,4'-DDE	0.266	ng/kg	0.0066	20	1/25/03	3:17	D. Desouza	8081A	1811
4,4'-DDT	1.08	ng/kg	0.133	40	1/25/03	3:17	D. Desouza	8081A	1811
Dieldrin	0.0046	ng/kg	0.0066	20	1/25/03	3:17	D. Desouza	8081A	1811
Endosulfan I	0.0130	ng/kg	0.0033	2	1/25/03	3:17	D. Desouza	8081A	1811
Endosulfan II	ND	ng/kg	0.0066	20	1/25/03	3:17	D. Desouza	8081A	1811
Endosulfan sulfate	ND	ng/kg	0.0067	2	1/25/03	3:17	D. Desouza	8081A	1811
Endrin	ND	ng/kg	0.0067	2	1/25/03	3:17	D. Desouza	8081A	1811
Endrin aldehyde	ND	ng/kg	0.0066	20	1/25/03	3:17	D. Desouza	8081A	1811
Endrin ketone	ND	ng/kg	0.0066	20	1/25/03	3:17	D. Desouza	8081A	1811
Heptachlor	ND	ng/kg	0.0033	2	1/25/03	3:17	D. Desouza	8081A	1811
Heptachlor epoxide	ND	ng/kg	0.0333	20	1/25/03	3:17	D. Desouza	8081A	1811
Methoxychlor	ND	ng/kg	0.333	20	1/25/03	3:17	D. Desouza	8081A	1811
Toxaphene	2.33	ng/kg	0.666	2	1/25/03	3:17	D. Desouza	8081A	1811
alpha-Chlordane	ND	ng/kg	0.0033	2	1/25/03	3:17	D. Desouza	8081A	1811
gamma-Chlordane	ND	ng/kg	0.0033	2	1/25/03	3:17	D. Desouza	8081A	1811
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
† Dry Weight	62.9	g			1/25/03	16:00	R. Keller	CLF	7899

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6757  
 Sample ID: DG11-S3  
 Project: 37778-010-1400  
 Page 2

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 Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Fast	80.4 gm	10.0 ml	12/30/02		M. Gauthier	1550

Surrogate	% Recovery	Target Range
pest surr-TCK	116.	48. - 132.
pest surr-DCE	116.	46. - 140.

**LABORATORY COMMENTS:**

- ND = Not detected at the limit of detection
  - A = Analyte was detected in the method blank.
  - E = Estimated Value below Report Limit.
  - B = Estimated Value above the calibration limit of the instrument.
  - R = Recovery outside Laboratory historical or method prescribed limits.
- All results reported on a wet weight basis.

End of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6760  
Sample ID: DG11-S4  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/16/02  
Time Collected: 10:42  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	RII Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDES/PCB'S/MICROBICIDES*</b>									
Aldrin	0.0266 P	mg/kg	0.0166	10	1/25/03	6:39	D. Desouza	8081A	1811
a-BHC	0.280	mg/kg	0.0166	10	1/25/03	6:39	D. Desouza	8081A	1811
h-BHC	0.393	mg/kg	0.0166	10	1/25/03	6:39	D. Desouza	8081A	1811
d-BHC	0.280	mg/kg	0.0166	10	1/25/03	6:39	D. Desouza	8081A	1811
g-BHC, Lindane	0.186	mg/kg	0.0166	10	1/25/03	6:39	D. Desouza	8081A	1811
4,4'-DDD	0.0666	mg/kg	0.0333	10	1/25/03	6:39	D. Desouza	8081A	1811
4,4'-DDE	0.0766	mg/kg	0.0333	10	1/25/03	6:39	D. Desouza	8081A	1811
4,4'-DDT	1.80	mg/kg	0.166	50	1/25/03	6:39	D. Desouza	8081A	1811
Dieldrin	0.240	mg/kg	0.0333	10	1/25/03	6:39	D. Desouza	8081A	1811
Endosulfan I	ND	mg/kg	0.0166	10	1/25/03	6:39	D. Desouza	8081A	1811
Endosulfan II	ND	mg/kg	0.0333	10	1/25/03	6:39	D. Desouza	8081A	1811
Endosulfan sulfate	ND	mg/kg	0.0333	10	1/25/03	6:39	D. Desouza	8081A	1811
Endrin	ND	mg/kg	0.0333	10	1/25/03	6:39	D. Desouza	8081A	1811
Endrin aldehyde	0.0166	mg/kg	0.0333	10	1/25/03	6:39	D. Desouza	8081A	1811
Endrin ketone	0.0233 J	mg/kg	0.0333	10	1/25/03	6:39	D. Desouza	8081A	1811
Heptachlor	ND	mg/kg	0.0166	10	1/25/03	6:39	D. Desouza	8081A	1811
Heptachlor epoxide	ND	mg/kg	0.0166	10	1/25/03	6:39	D. Desouza	8081A	1811
Methoxychlor	ND	mg/kg	0.266	10	1/25/03	6:39	D. Desouza	8081A	1811
Toxaphene	5.06	mg/kg	1.66	5	1/25/03	6:39	D. Desouza	8081A	1811
alpha-Chlordane	ND	mg/kg	0.0166	10	1/25/03	6:39	D. Desouza	8081A	1811
gamma-Chlordane	ND	mg/kg	0.0166	10	1/25/03	6:39	D. Desouza	8081A	1811
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	65.4	%			1/21/03	18:00	T. Keller	CLP	7899

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6760  
 Sample ID: DG11-S4  
 Project: 37778-010-1400  
 Page 2

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**Sample Extraction Data**

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.6 gm	10.0 ml	12/30/02		K. Cauthan	3850

**LABORATORY COMMENTS:**

ND - Not detected at the limit of detection  
 B - Analyte was detected in the method blank.  
 U - Estimated value below Report Limit.  
 O - Estimated value above the calibration limit of the instrument.  
 # - Recovery outside Laboratory historical or method prescribed limits.  
 All results reported on a wet weight basis.  
 pest surrogate diluted out.  
 Aldrin > 40%.

End of Sample Report.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 03-A6759  
Sample ID: DG11-S5  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHARLES WAY

Date Collected: 12/16/02  
Time Collected: 10:35  
Date Received: 12/17/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch	
<b>*PESTICIDES/PCPs/HERBICIDES*</b>										
Aldrin	0.500	g	mg/kg	0.832	500	1/25/03	4:44	D. Desouza	8081A	1811
a-BHC	0.333	g	mg/kg	0.832	500	1/25/03	4:44	D. Desouza	8081A	1811
b-BHC	2.14		mg/kg	0.832	500	1/25/03	4:44	D. Desouza	8081A	1811
d-BHC	0.500	g	mg/kg	0.832	500	1/25/03	4:44	D. Desouza	8081A	1811
g-BHC, Misdans	0.333	g	mg/kg	0.832	500	1/25/03	4:44	D. Desouza	8081A	1811
4,4'-DDE	7.64		mg/kg	1.66	500	1/25/03	4:44	D. Desouza	8081A	1811
4,4'-DDD	2.65		mg/kg	1.66	500	1/25/03	4:44	D. Desouza	8081A	1811
4,4'-DDT	320.		mg/kg	33.3	10000	1/25/03	4:44	D. Desouza	8081A	1811
Dieldrin	15.2		mg/kg	1.66	500	1/25/03	4:44	D. Desouza	8081A	1811
Endosulfan I	ND		mg/kg	0.832	500	1/25/03	4:44	D. Desouza	8081A	1811
Endosulfan II	ND		mg/kg	1.66	500	1/25/03	4:44	D. Desouza	8081A	1811
Endosulfan sulfate	ND		mg/kg	1.66	500	1/25/03	4:44	D. Desouza	8081A	1811
Endrin	ND		mg/kg	1.66	500	1/25/03	4:44	D. Desouza	8081A	1811
Endrin aldehyde	ND		mg/kg	1.66	500	1/25/03	4:44	D. Desouza	8081A	1811
Endrin ketone	0.466	g	mg/kg	1.66	500	1/25/03	4:44	D. Desouza	8081A	1811
Heptachlor	ND		mg/kg	0.832	500	1/25/03	4:44	D. Desouza	8081A	1811
Heptachlor epoxide	ND		mg/kg	0.832	500	1/25/03	4:44	D. Desouza	8081A	1811
Methoxychlor	ND		mg/kg	0.32	500	1/25/03	4:44	D. Desouza	8081A	1811
Toxaphene	530.	g	mg/kg	53.2	250	1/25/03	4:44	D. Desouza	8081A	1811
alpha-Chlordane	ND		mg/kg	0.832	500	1/25/03	4:44	D. Desouza	8081A	1811
gamma-Chlordane	ND		mg/kg	0.832	500	1/25/03	4:44	D. Desouza	8081A	1811
<b>*GENERAL CHEMISTRY PARAMETERS*</b>										
% Dry weight	81.6					1/21/03	16:00	K. Keller	CLP	7889

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 03-A6759  
 Sample ID: DG11-S5  
 Project: 37778-010-1400  
 Page 2

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### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.6 gm	20.0 ml	22/20/02		M. Gauthier	3280

### LABORATORY COMMENTS:

ND = Not detected at the limit of detection  
 B = Analyte was detected in the method blank.  
 J = Estimated Value below Report Limit.  
 E = Estimated Value above the calibration limit of the instrument.  
 f = Recovery outside Laboratory historical or method prescribed limits.  
 All results reported on a wet weight basis.  
 pest surrogate diluted out.  
 Tokaphene >40% between columns

End of Sample Report.

**URS**

URS Corporation  
5900 Windward Parkway  
Alpharetta, GA

Project No.: 37778-010-028

## Log of Borehole: DG-11W





Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface is hard-packed sand and gravel drive area.
0 - 1.5		<b>Fill (0 - 1.5')</b> Dark brown fine silty sand with small gravel (1/2"), 3" layer of black sand and gravel at 1.5' bgs.		1		
1.5 - 4.5		<b>Silty Sand (SM)</b> Brown, very fine grained, dry, firm.  Grades moist, trace of clay.  Grades with some grayish coloring.	1.5  3.0 4.0	2		Duplicate field sample taken at 2 - 6' interval (DG Dup 03).
4.5 - 7.5		<b>Silty Clay (CL-ML)</b> Soft, gray and brown, moist.	4.5			
7.5 - 10.0		<b>Fat Clay (CH)</b> Very stiff, mottled gray and orange-brown, some dark brown spotting, high plasticity, moist, no odor.	7.5	3		Geo-probe terminated at 10' bgs.
10.0 - 12.0			10.0			

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/12/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1



**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: DG-10E**


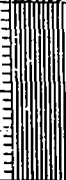



Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE			SAMPLE		Remarks	
Depth - feet	Symbol	Description	Depth/Elev.	Number		Type: Composite
0		Ground Surface	0.0			Surface is hard-packed sand and gravel drive area. Note: changed first sample interval to 0 - 3' bgs due to poor recovery.
0 - 3		<b>Fill (0 - 3')</b> Dark brown silty fine sand with small gravel (1/2"), layers of dark gray/black silt/clay, reddish rock pieces, black organic material, some odor.		1		
3 - 6		<b>Sandy Silt (ML)</b> Very fine, brown, moist, soft, slight odor.	3.0	2		Duplicate field sample taken at 3 - 6' interval (DG Dup 04).
5 - 5.5		Clay lens, brown/gray.	5.0			
5.5 - 7.5		<b>Silty Clay (CL-ML)</b> Soft, gray and orange-brown layering, moist, some odor.	5.5			MS/MSD samples taken at 6' - 10' interval.
7.5 - 8		<b>Fat Clay (CH)</b> Very stiff, gray with orange-brown mottling, high plasticity, some odor.	7.5	3		
8 - 10						Note: pesticide odor detected throughout core.
10			10.0			
10 - 12						Geo-probe terminated at 10' bgs.

Drilled By: W. L. Burle

Hole Size: 2"

Drill Method: Geo-Probe

Datum: Local

Drill Date: 12/12/02

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: DG-10W**

Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
Ground Surface						Surface is hard-packed sand and gravel drive area.
0		<b>Fill (0 - 1.5')</b> Dark brown/dark gray silty fine sand with small gravel (1/2").	0.0	1		
1		<b>Clayey Silt (ML)</b> Brown, firm, dry.	1.5			
2		<b>Silty Sand (SM)</b> Dark brown, moist, very fine grained, slight odor.	3.0	2		
3		<b>Silty Clay (CL-ML)</b> Soft, gray and brown, moist.	4.5			
4		Clay lens, brown/gray.	5.0			
5		Silty clay, same as above.	5.5	3		
6		<b>Fat Clay (CH)</b> Very stiff, gray with orange mottles, high plasticity, moist, no odor.	7.5			
7						
8						
9						
10			10.0			Geo-probe terminated at 10' bgs.
11						
12						

Drilled By: W. L. Burle

Hole Size: 2"

Drill Method: Geo-Probe

Datum: Local

Drill Date: 12/12/02

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028

**Log of Borehole: DG-11E**

**Project:** Red Panther

**Client:** Alston and Bird

**Location:** Clarksdale, MS

**Enclosure:** 1

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface is hard-packed sand and gravel drive area.
0 - 1.5		<b>Fill (0 - 1.5')</b> Gray small gravel (1/2"), with orange sand to dark brown sand, slight odor.		1		
1.5 - 2		<b>Silty Sand (SM)</b> Dark gray, very fine grained, dry, firm, slight odor.	1.5			
2 - 3		<b>Silty Clay (CL-ML)</b> Soft, moist, gray and brown layering, no odor.	3.0			
3 - 5		Clay layer; brown; stiff, moist.	5.0	2		
5 - 6		Grades with dark brown.	5.5			
6 - 7.5		Grades with dark brown.	6.0			
7.5 - 8		<b>Fat Clay (CH)</b> Very stiff, mottled gray and orange-brown, some dark brown spotting, high plasticity, moist, no odor.	7.5	3		Geo-probe terminated at 10' bgs.
8 - 10						
10 - 10.0			10.0			
11						
12						

**Drilled By:** W. L. Burle

**Drill Method:** Geo-Probe

**Drill Date:** 12/12/02

**Hole Size:** 2"

**Datum:** Local

**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: DG-1E**

Project: Red Panther

Client: Alston and Bird

Enclosure: 1

Location: Clarksdale, MS

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface is hard-packed sand and gravel drive area.
1		<b>Sandy Silt (ML)</b> Dark brown, very fine. Grades lighter brown, dry, some cohesion but easily friable, no odor.	0.5	1		
2		Grades with clay, moist.	1.5			
3		<b>Silty Clay (CL-ML)</b> Mottled gray, brown and orange-brown, some dark brown specks through 10' bgs, firm, medium plasticity, no odor.	3.0	2		
4		Grades soft	5.0			
5						
6		<b>Fat Clay (CH)</b> Stiff, high plasticity, mottled gray and orange-brown, moist, sticky, no odor.	6.5	3		
7		Grades very stiff, some dark brown specks, no odor.	8.0			
8						
9						
10			10.0			Geo-probe terminated at 10' bgs.
11						
12						

Drilled By: W. L. Burle

Hole Size: 2"

Drill Method: Geo-Probe

Datum: Local

Drill Date: 12/10/02

Sheet: 1 of 1

**URS**

URS Corporation  
5900 Windward Parkway  
Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: DG-1W**

Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
Ground Surface						Surface is hard-packed sand and gravel drive area.
0		Core smeared with black fine sand and gravel, no odor, no distinct layer.	0.0			
0.5			0.5	1		
1		<b>Sandy Silt (ML)</b> Brown, very fine, dry, no odor.				
2			2.0			
2		<b>Silty Clay (CL-ML)</b> Mottled brown and orange-brown, soft to firm, moist, no odor.				
3						
4				2		
5		4" smear zone; black fine sand and gravel.	5.0			
5.5		Grades very soft, gray/dark brown/orange-brown, no odor.	5.5			
6						
6.5			6.5			
7		<b>Fat Clay (CH)</b> Very stiff, mottled dark brown, gray and orange-brown, high plasticity, no odor.				
8				3		
9						
10			10.0			Geo-probe terminated at 10' bgs.
11						
12						

Drilled By: W. L. Burt

Hole Size: 2"

Drill Method: Geo-Probe

Datum: Local

Drill Date: 12/10/02

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: DG-2N**

Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface is hard-packed sand and gravel drive area.
0.5		<b>Sandy Silt (ML)</b> Dark gray/dark brown, fine grained, dry, crumbly, no odor.	0.5	1		
1		Grades brown, fine grained, dry.	1.5			
2		Grades with clay, brown, moist.				
3			3.0	2		Geo-probe terminated at 10' bgs.
4		<b>Silty Clay (CL-ML)</b> Mottled brown and orange-brown, some gray, soft, moist, no odor.				
5						
6		Grades stiffer, increasing clay content.	6.0			
7			7.0	3		
8		<b>Fat Clay (CH)</b> Very stiff, mottled gray and orange-brown, some dark brown spots, high plasticity, no odor.				
9						
10			10.0			
11						
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/10/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028 **Log of Borehole: DG-2S**

**Project:** Red Panther

**Client:** Alston and Bird

**Location:** Clarksdale, MS

**Enclosure:** 1

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface is hard-packed sand and gravel drive area.
1		<b>Sandy Silt (ML)</b> Dark gray/dark brown, fine grained, dry, crumbly, no odor. Grades brown, dry. Grades with clay at 22" bgs.	1.0	1		
2						
3		<b>Clayey Silt (ML)</b> Layered gray/brown/orange-brown, moist, soft, low plasticity.	3.0			
4				2		
5		<b>Silty Clay (CL-ML)</b> Mottled brown and orange-brown, soft, moist, no odor.	4.5			
6						
7		Grades stiffer, increasing clay content.	6.5			
8		<b>Fat Clay (CH)</b> Very stiff, mottled gray and orange-brown, high plasticity, no odor.	7.5	3		
9						
10			10.0			Geo-probe terminated at 10' bgs.
11						
12						

**Drilled By:** W. L. Burle

**Drill Method:** Geo-Probe

**Drill Date:** 12/10/02

**Hole Size:** 2"

**Datum:** Local

**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: DG-3E**

Project: Red Panther

Client: Alston and Bird

Enclosure: 1

Location: Clarksdale, MS

Project Manager: Brent Jacobs

SUBSURFACE PROFILE			SAMPLE		Remarks	
Depth - feet	Symbol	Description	Depth/Elev.	Number		Type: Composite
0		Ground Surface	0.0			Surface is hard-packed sand and gravel drive area.
1		<b>Silt (ML)</b> Dark brown, some fine sand, dry, somewhat loose.	1.0	1		
2		Grades with clay, firm, some cohesion, dark brown to brown.				MS/MSD samples taken at 2 - 6' interval.
3		Silty very fine sand lens.	3.0			
4		<b>Silty Clay (CL-ML)</b> Trace of fine sand, mottled brown/orange-brown/gray, soft, moist, no odor.	3.5	2		
5						
6		Grades stiffer, increasing clay content.	6.0			
7						
8		<b>Fat Clay (CH)</b> Very stiff, mottled gray and orange-brown, high plasticity, no odor.	7.5	3		
9						
10			10.0			Geo-probe terminated at 10' bgs.
11						
12						

Drilled By: W. L. Burle

Hole Size: 2"

Drill Method: Geo-Probe

Datum: Local

Drill Date: 12/10/02

Sheet: 1 of 1



**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028

**Log of Borehole: DG-3W**

**Project:** Red Panther

**Client:** Alston and Bird

**Enclosure:** 1

**Location:** Clarksdale, MS

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface is hard-packed sand and gravel drive area.      No recovery from 6 - 8' bgs.   Geo-probe terminated at 10' bgs.
1		<b>Sandy Silt (ML)</b> Dark gray/brown, very fine grained.	1.0	1		
2		Grades brown, with clay, dry, crumbly, some cohesion.				
3		<b>Silty Clay (CL-ML)</b> Trace of fine sand, mottled brown/orange-brown/gray, soft, moist, no odor.	3.0	2		
4						
5						
6		Clay lens, brown/gray.	5.5			
7		Silty clay, same as above.	6.0			
8		<b>Fat Clay (CH)</b> Very stiff, mottled gray and orange-brown, high plasticity, no odor.	7.5	3		
9						
10			10.0			
11						
12						

**Drilled By:** W. L. Burle

**Hole Size:** 2"

**Drill Method:** Geo-Probe

**Datum:** Local

**Drill Date:** 12/10/02

**Sheet:** 1 of 1

**URS**

URS Corporation  
5900 Windward Parkway  
Alpharetta, GA

Project No.: 37778-010-028

## Log of Borehole: DG-4E

Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE			SAMPLE		Remarks	
Depth - feet	Symbol	Description	Depth/Elev.	Number		Type: Composite
0		Ground Surface	0.0			Surface is hard-packed sand and gravel drive area.
1		<b>Sandy Silt (ML)</b> Dark gray/dark brown, very fine grained, dry.		1		
2		Grades brown, very fine sand, no odor or staining.	1.5			
3						
4		<b>Silty Sand (SM)</b> Orange-brown and brown, very fine grained.	3.5	2		
5						
6		<b>Silty Clay (CL-ML)</b> Mottled brown/orange-brown/gray, soft, moist, no odor.	5.5			
7						
8		Grades with increasing clay, less silt, soft.	8.0	3		
9						
10		<b>Lean Clay (CL)</b> Firm, trace of silt, mottled gray, brown and orange-brown, low plasticity, no odor.	9.0			
11						
12			10.0			Geo-probe terminated at 10' bgs.

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/10/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028

**Log of Borehole: DG-4W**

**Project:** Red Panther

**Client:** Alston and Bird

**Location:** Clarksdale, MS

**Enclosure:** 1

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface is hard-packed sand and gravel drive area.
0 - 1		<b>Sandy Silt (ML)</b> Dark gray/dark brown, very fine grained, dry.		1		
1 - 2		Grades brown with orange mottles, more very fine sand, dry, crumbly.	2.0			Duplicate field sample collected at 6 - 10' interval (DG Dup 01)
2 - 3		Orange coloring grades out, brown/grayish brown fine sandy silt.	3.0			
3 - 4				2		
4 - 5						
5 - 6		<b>Silty Clay (CL-ML)</b> Mottled brown/orange-brown/gray, soft, moist, no odor.	5.5			Duplicate field sample collected at 6 - 10' interval (DG Dup 01)
6 - 7		Grades with increasing clay, low plasticity, soft.	7.0			
7 - 8				3		
8 - 9		<b>Fat Clay (CH)</b> Stiff, mottled gray and orange-brown, high plasticity, no odor.	9.0			Geo-probe terminated at 10' bgs.
9 - 10			10.0			
10 - 11						
11 - 12						

**Drilled By:** W. L. Burle

**Drill Method:** Geo-Probe

**Drill Date:** 12/10/02

**Hole Size:** 2"

**Datum:** Local

**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028 **Log of Borehole: DG-5E**

**Project:** Red Panther

**Client:** Alston and Bird

**Location:** Clarksdale, MS

**Enclosure:** 1

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface is hard-packed sand and gravel drive area.
0 - 2.5		<b>Fill (0 - 2.5')</b> Small gray gravel and sand.	0.5	1		
1		Grades orange fine sand, small (1/4-1/2") gravel, no odor or staining.				
2		Layer of firm silty clay, brown.	2.0			
2.5		<b>Silty Sand (SM)</b> Brown, fine grained.	2.5	2		
3						
3.5		<b>Sandy Silt (ML)</b> Brown and gray, dry to moist, no odor.	3.5			
5		Sand begins to grade out.	5.0	3		
5.5		<b>Silty Clay (CL-ML)</b> Mottled brown/orange-brown, dark brown specks, soft to firm, moist, no odor.	5.5			
6						
8		<b>Lean Clay (CL)</b> Firm, mottled gray and dark brown, medium plasticity, no odor.	8.0			
9						
10			10.0			
11						Geo-probe terminated at 10' bgs.
12						

**Drilled By:** W. L. Burle

**Drill Method:** Geo-Probe

**Drill Date:** 12/11/02

**Hole Size:** 2"

**Datum:** Local

**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028 **Log of Borehole: DG-5W**

**Project:** Red Panther

**Client:** Alston and Bird

**Location:** Clarksdale, MS

**Enclosure:** 1

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface is hard-packed sand and gravel drive area.
0		<b>Topsoil</b> Sampled as dark brown sandy silt with gravel.	0.0			
1		<b>Sandy Silt (ML)</b> Brown, very fine grained, dry, loose, slight odor.	1.0	1		
2						
3						
4		Grades with increasing moisture, trace of clay.	3.5			
4		<b>Silty Sand (SM)</b> Brown with some gray layering, very fine grained, moist.	4.0	2		
5						
6		<b>Silty Clay (CL-ML)</b> Trace of fine sand, brown, soft, moist to wet, no odor.	6.0			
7						
8		Grades with gray mottling, less silt, soft.	8.0	3		
9						
9		<b>Lean Clay (CL)</b> Firm, gray with dark brown and orange-brown mottles, low plasticity, no odor.	9.0			
10			10.0			Geo-probe terminated at 10' bgs.
11						
12						

**Drilled By:** W. L. Burle

**Drill Method:** Geo-Probe

**Drill Date:** 12/11/02

**Hole Size:** 2"

**Datum:** Local

**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028 **Log of Borehole: DG-6E**

**Project:** Red Panther

**Client:** Alston and Bird

**Location:** Clarksdale, MS

**Enclosure:** 1

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE			SAMPLE		Remarks	
Depth - feet	Symbol	Description	Depth/Elev.	Number		Type: Composite
0		Ground Surface	0.0			Surface is hard-packed sand and gravel drive area.
1		<b>Clayey Silt (ML)</b> Dark gray/dark brown, firm, dry, no odor.		1		
2		Grades brown, more silt, less clay, trace of very fine sand, dry, crumbly.	1.5			MS/MSD samples taken at 2 - 6' interval.
3		<b>Silty Sand (SM)</b> Gray/brown, very fine grained.	3.0	2		
4		<b>Sandy Silt (ML)</b> Layered brown and gray, very fine grained, moist, no odor.	4.5			
5		Grades with increasing silt, some clay, less sand, mottled gray/orange-brown.	6.0			
6		<b>Silty Clay (CL-ML)</b> Gray with orange-brown mottling, soft, moist, some dark brown organic spotting, no odor.	7.5	3		
7		<b>Lean Clay (CL)</b> Firm, gray with dark brown and orange-brown mottles, medium plasticity, sticky, no odor.	9.0			
8			10.0			Geo-probe terminated at 10' bgs.
9						
10						
11						
12						

**Drilled By:** W. L. Burle

**Drill Method:** Geo-Probe

**Drill Date:** 12/11/02

**Hole Size:** 2"

**Datum:** Local

**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028 **Log of Borehole: DG-6W**

**Project:** Red Panther

**Client:** Alston and Bird

**Location:** Clarksdale, MS

**Enclosure:** 1

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface is hard-packed sand and gravel drive area.
1		<b>Clayey Silt (ML)</b> Dark gray/black, firm, dry.		1		
2		Grades grayish brown, more silt, less clay.	1.5			
3		Silty very fine sand lens.	2.5			
4		<b>Sandy Silt (ML)</b> Layered brown and gray, very fine grained, moist, no odor.	3.0	2		
5		Grades with increasing moisture, trace of clay, soft, moist to wet.	5.0			
6		<b>Silty Clay (CL-ML)</b> Gray with orange-brown mottling, soft, moist, occasional dark brown organic nodes, no odor.	6.0	3		
7						
9		<b>Lean Clay (CL)</b> Firm, gray with dark brown and orange-brown mottles, medium plasticity, sticky, no odor.	9.0			
10			10.0			
11						
12						

**Drilled By:** W. L. Burle

**Drill Method:** Geo-Probe

**Drill Date:** 12/11/02

**Hole Size:** 2"

**Datum:** Local

**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028

**Log of Borehole: DG-7E**

**Project:** Red Panther

**Client:** Alston and Bird

**Enclosure:** 1

**Location:** Clarksdale, MS

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE			SAMPLE		Remarks		
Depth - feet	Symbol	Description	Depth/Elev.	Number		Type: Composite	
0		Ground Surface	0.0			Surface is hard-packed sand and gravel drive area.	
0 - 1.5		<b>Fill (0 - 1.5')</b> Fill, sampled as dark brown/dark gray very fine sandy silt, dry, crumbly.		1			
1.5 - 2.5		<b>Clayey Silt (ML)</b> Dark gray with black spotting, firm, moist, slight odor.	1.5				
2.5 - 5.0		<b>Sandy Silt (ML)</b> Brown, very fine grained, firm, moist, slight odor.	2.5	2			
5.0 - 6.0		Grades soft, increasing clay, sand begins to grade out, brown with gray mottling.	5.0				
6.0 - 8.5		<b>Silty Clay (CL-ML)</b> Brown and gray, some orange-brown mottling, soft, moist, trace of very fine sand, no odor.	6.0	3			
8.5 - 9.0		<b>Lean Clay (CL)</b> Firm, gray with orange-brown mottles, medium plasticity, moist, no odor.	8.5				
9.0 - 10.0							
10.0			10.0				Geo-probe terminated at 10' bgs.
11							
12							

**Drilled By:** W. L. Burle

**Hole Size:** 2"

**Drill Method:** Geo-Probe

**Datum:** Local

**Drill Date:** 12/11/02

**Sheet:** 1 of 1



**URS**  
**URS Corporation**  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028

**Log of Borehole: DG-7W**

**Project:** Red Panther

**Client:** Alston and Bird

**Location:** Clarksdale, MS

**Enclosure:** 1

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface is hard-packed sand and gravel drive area. Note: very strong pesticide odor from 0 - 8' bgs (trash pit area).
0.5		<b>Fill (0 - 2')</b> 0 - 6", soil cement, concrete pieces.	0.5	1		
1		6" - 2', dark brown/dark gray fine sandy silt, dry, strong pesticide odor.				
2		<b>Sandy Silt (ML)</b> Brown, very fine grained, firm, trace of clay.	2.0			
3						
3.5		Grades soft, moist, brown and gray.	3.5			
4		Grades olive gray, strong pesticide odor.	4.0	2		
5						
6		<b>Silty Clay (CL-ML)</b> Brown and gray, soft, moist, strong odor.	6.0			Duplicate field sample taken at 6 - 10' interval (DG Dup 02).
7						
8		Grades wet.	8.0	3		
9						
9		<b>Lean Clay (CL)</b> Firm, gray with orange-brown mottles, medium plasticity, moist, some odor.	9.0			
10			10.0			Geo-probe terminated at 10' bgs.
11						
12						

**Drilled By:** W. L. Burle

**Drill Method:** Geo-Probe

**Drill Date:** 12/11/02

**Hole Size:** 2"

**Datum:** Local

**Sheet:** 1 of 1

**URS**

URS Corporation  
5900 Windward Parkway  
Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: DG-8E**






Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface is hard-packed sand and gravel drive area. Note: no odor detected in core (trash pit area).
0 - 1.5		<b>Fill (0 - 1.5')</b> Gravel, dark brown silt, dark red sandy silt, trash, burnt wood.		1		
1.5 - 3.5		<b>Clayey Silt (ML)</b> Olive-gray, firm, dry, no odor.	1.5			
3.5 - 6.5		<b>Silty Sand (SM)</b> Very fine grained, trace of clay, moist, olive-gray, some brown.	3.5	2		
6.5 - 9.0		<b>Silty Clay (CL-ML)</b> Mottled gray and orange-brown, soft, moist, no odor.	6.5	3		
9.0 - 10.0		<b>Lean Clay (CL)</b> Firm, gray with orange-brown mottling, medium plasticity, moist, no odor.	9.0			
10.0			10.0			Geo-probe terminated at 10' bgs.
11						
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/11/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028 **Log of Borehole: DG-8W**

**Project:** Red Panther  
**Client:** Alston and Bird  
**Location:** Clarksdale, MS

**Enclosure:** 1  
**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE			SAMPLE		Remarks	
Depth - feet	Symbol	Description	Depth/Elev.	Number		Type: Composite
0		Ground Surface	0.0			Surface is hard-packed sand and gravel drive area. Note: some pesticide odor from 0 - 8' bgs (trash pit area).
0 - 4.5		<b>Fill (0 - 4.5')</b> Dark brown silt and very fine sand, layer of beige clay, trash and debris: burnt wood, glass, etc.		1		
2.0		Dark gray/black firm clayey silt, charred remnants, trash, some odor.	2.0			
4.5		<b>Silty Clay (CL-ML)</b> Wet at 4.5' bgs, greenish gray, some brown, soft, moist, strong odor.	4.5	2		
7.0		Perched water at 7' bgs.	7.0			
7.5		Grades with increasing clay, medium plasticity.	7.5	3		
9.0		<b>Lean Clay (CL)</b> Firm, olive-gray with orange-brown mottling, medium plasticity, moist, some odor.	9.0			
10.0			10.0			
11						
12						

**Drilled By:** W. L. Burle  
**Drill Method:** Geo-Probe  
**Drill Date:** 12/11/02

**Hole Size:** 2"  
**Datum:** Local  
**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

**Project No.:** 37778-010-028

**Log of Borehole: DG-9E**

**Project:** Red Panther

**Client:** Alston and Bird

**Location:** Clarksdale, MS

**Enclosure:** 1

**Project Manager:** Brent Jacobs

SUBSURFACE PROFILE			SAMPLE		Remarks	
Depth - feet	Symbol	Description	Depth/Elev.	Number		Type: Composite
0		Ground Surface	0.0			Surface is hard-packed sand and gravel drive area.
0 - 1		<b>Fill (0 - 1')</b> Sand/gravel (1/2") mix, gray, loose, underlain by a 2" layer of red sand.	1.0	1		
1 - 2		<b>Silty Silt (ML)</b> Dark brown, firm, tightly packed, trace of clay, dry.	2.5			
2 - 3		<b>Silty Sand (SM)</b> Grades brown, some gray layering, very fine grained, trace of clay, no odor.	5.5	2		
3 - 6		<b>Silty Clay (CL-ML)</b> Mottled gray and brown, firm, slight plasticity, no odor.	7.0			
6 - 7		Grades soft, moist, no odor.	8.5	3		
7 - 9		<b>Lean Clay (CL)</b> Firm, gray/brown, medium plasticity, moist, no odor.	10.0			
9 - 10						
10 - 11						
11 - 12						

**Drilled By:** W. L. Burle

**Drill Method:** Geo-Probe

**Drill Date:** 12/11/02

**Hole Size:** 2"

**Datum:** Local

**Sheet:** 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: DG-9W**

Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
Ground Surface						
0		<b>Fill (0 - 2')</b> Dark brown/black silt, some debris, tightly packed, gray /dark gray layers, purple sand.	0.0	1		Surface is hard-packed sand and gravel drive area.
1						
2		<b>Clayey Silt (ML)</b> Dark gray/black, firm, dry, no odor. Grades brown, soft, moist.	2.0	2		
3			2.5			
4			4.5			
5			Grades mottled gray and brown, trace of fine sand.			
6		<b>Silty Clay (CL-ML)</b> Mottled gray and brown, soft, moist, no odor. Grades very soft, wet.	7.0	3		
7			8.0			
8			9.0			
9		<b>Lean Clay (CL)</b> Firm, gray/brown mottling, medium plasticity, moist, no odor.	9.0			
10			10.0			
11						Geo-probe terminated at 10' bgs.
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/11/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**URS**

URS Corporation  
5900 Windward Parkway  
Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: DPT-1**

Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
		Ground Surface				
0		<b>Fill (0 - 0.5')</b> Mix of dark brown fine sand and 1/2" gravel.	0.0			Surface is hard-packed sand and gravel drive area.
1		Clay layer, light brown.	1.0	1		
2		<b>Sandy Silt (ML)</b> Very fine grained, tightly packed, dark gray/black, dry.	2.0			MS/MSD samples taken in 2 - 6' interval.
3		<b>Silty Sand (SM)</b> Brown, very fine grained, dry, some odor.				
4		Grades wet, some gray layering, strong pesticide odor.	4.0	2		
5		Clay layer, gray/brown.	5.0			
6		<b>Silty Clay (CL-ML)</b> Mottled gray and brown, moist, soft, some odor.	5.5			Note: odor detected throughout core sample.
7						
8		<b>Fat Clay (CH)</b> Stiff, high plasticity, mottled gray and brown with orange-brown specks, some odor.	7.5	3		
9		Grades very stiff.	8.5			
10			10.0			Geo-probe terminated at 10' bgs.
11						
12						
<b>Drilled By:</b> W. L. Burle <b>Drill Method:</b> Geo-Probe <b>Drill Date:</b> 12/12/02				<b>Hole Size:</b> 2" <b>Datum:</b> Local <b>Sheet:</b> 1 of 1		

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: DPT-2**

Project: Red Panther

Client: Alston and Bird

Location: Clarksdale, MS

Enclosure: 1

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface				Surface is hard-packed sand and gravel drive area.
0 - 1.5		<b>Fill (0 - 1.5')</b> Fine light brown sand and gravel, pesticide odor.	0.0	1		
1 - 2		<b>Clay (CL)</b> Brown, firm, dry to moist, some odor.	1.5			
2 - 3		<b>Clayey Silt (ML)</b> Brown, soft, moist.	2.5	2		
3 - 4		<b>Sandy Silt (ML)</b> Very fine grained, tightly packed, dark gray, dry, some odor.	3.5			
4 - 6		Grades moist, soft, trace of clay, grayish brown with orange streaks, strong odor.	4.0			
6 - 7		<b>Clayey Silt (ML)</b> Olive gray, dense, moist.	6.5	3		
7 - 8		<b>Fat Clay (CH)</b> Stiff, high plasticity, sticky, olive gray, strong odor.	7.5			
8 - 10		Grades very stiff, gray and brown, some orange, strong odor.	8.0			
10			10.0			
11						
12						

Drilled By: W. L. Burle

Drill Method: Geo-Probe

Drill Date: 12/12/02

Hole Size: 2"

Datum: Local

Sheet: 1 of 1

**URS**  
 URS Corporation  
 5900 Windward Parkway  
 Alpharetta, GA

Project No.: 37778-010-028

**Log of Borehole: DPT-3**







Project: Red Panther

Client: Alston and Bird

Enclosure: 1

Location: Clarksdale, MS

Project Manager: Brent Jacobs

SUBSURFACE PROFILE				SAMPLE		Remarks
Depth - feet	Symbol	Description	Depth/Elev.	Number	Type: Composite	
0		Ground Surface	0.0			Surface is hard-packed sand and gravel drive area.
1		<b>Silty Sand (SM)</b> Brown/dark brown, very fine grained, firm, dry, slight odor. Grades with trace of clay.	1.0	1		
2		<b>Silt (ML)</b> Brown, trace of fine sand and clay, soft, moist, some odor.	2.0			
4		<b>Silty Clay (CL-ML)</b> Mottled gray and brown, some orange, moist, soft, some odor.	4.0	2		
6		<b>Fat Clay (CH)</b> Stiff, high plasticity, mottled gray and brown, some orange, no odor.	5.5			
8		Grades very stiff, some dark brown spotting, no odor.	8.0	3		
10			10.0			
11						
12						

Drilled By: W. L. Burle

Hole Size: 2"

Drill Method: Geo-Probe

Datum: Local

Drill Date: 12/12/02

Sheet: 1 of 1



**Appendix H**

**QA/QC Analytical Data**

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A200728  
Sample ID: BG-DUP-01  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: STEVEN SUSTEN

Date Collected: 12/ 5/02  
Time Collected: 12:00  
Date Received: 12/ 7/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Dieldrin	ND	ug/kg	0.0043	1	12/25/02	0:41	Henderson	6081A	267
Toxaphene	ND	ug/kg	0.429	1	12/25/02	0:41	Henderson	6081A	267
<b>*METALS*</b>									
Arsenic	434.	ug/kg	1.25	1	12/12/02	13:47	C. Johnson	6010B	9984
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	77.6	%			12/30/02	11:47	M. Ricks	CLP	9980

### Sample Extraction Data

Parameter	Wt./Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.6 g <sub>d</sub>	10.0 ml	12/19/02		M. Ricks	3550

Surrogate	% Recovery	Target Range
pest surr-TMX	98.	48. - 132.
pest surr-DCB	104.	46. - 148.

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A200728  
Sample ID: BG-DUP-01  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - E - Estimated Value above the calibration limit of the instrument.
  - # - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY, STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207208

Sample ID: BGS-DUP-01

Date Collected: 12/14/02

Project: 37778-010-1400

Time Collected: 8:00

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.106	50	12/31/02	16:43	Carmichael	8081A	5448
a-BHC	ND	mg/kg	0.106	50	12/31/02	16:43	Carmichael	8081A	5448
b-BHC	ND	mg/kg	0.106	50	12/31/02	16:43	Carmichael	8081A	5448
d-BHC	ND	mg/kg	0.106	50	12/31/02	16:43	Carmichael	8081A	5448
g-BHC, Lindane	ND	mg/kg	0.106	50	12/31/02	16:43	Carmichael	8081A	5448
4,4'-DDD	ND	mg/kg	0.212	50	12/31/02	16:43	Carmichael	8081A	5448
4,4'-DDE	0.447	mg/kg	0.212	50	12/31/02	16:43	Carmichael	8081A	5448
4,4'-DDT	ND	mg/kg	0.212	50	12/31/02	16:43	Carmichael	8081A	5448
Dieldrin	1.08	mg/kg	0.212	50	12/31/02	16:43	Carmichael	8081A	5448
Endosulfan I	ND	mg/kg	0.106	50	12/31/02	16:43	Carmichael	8081A	5448
Endosulfan II	ND	mg/kg	0.212	50	12/31/02	16:43	Carmichael	8081A	5448
Endosulfan sulfate	ND	mg/kg	0.212	50	12/31/02	16:43	Carmichael	8081A	5448
Endrin	ND	mg/kg	0.212	50	12/31/02	16:43	Carmichael	8081A	5448
Endrin aldehyde	ND	mg/kg	0.212	50	12/31/02	16:43	Carmichael	8081A	5448
Endrin Ketone	ND	mg/kg	0.212	50	12/31/02	16:43	Carmichael	8081A	5448
Heptachlor	ND	mg/kg	0.106	50	12/31/02	16:43	Carmichael	8081A	5448
Heptachlor epoxide	ND	mg/kg	0.106	50	12/31/02	16:43	Carmichael	8081A	5448
Methoxychlor	ND	mg/kg	1.06	50	12/31/02	16:43	Carmichael	8081A	5448
Toxaphene	23.6	mg/kg	21.2	50	12/31/02	16:43	Carmichael	8081A	5448
alpha-Chlordane	0.340	mg/kg	0.106	50	12/31/02	16:43	Carmichael	8081A	5448
gamma-Chlordane	0.340	mg/kg	0.106	50	12/31/02	16:43	Carmichael	8081A	5448
<b>*METALS*</b>									
Arsenic	690.	mg/kg	1.28	1	12/31/02	13:08	C. Martin	6010B	7686
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	78.3	%			12/23/02	15:30	K. Keller	CLP	7718

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD HWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207208

Sample ID: BGS-DUP-01

Date Collected: 12/14/02

Project: 37778-010-1400

Time Collected: 8:00

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES RAY

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.1 gm	10.0 ml	12/27/02		M. Cauthen	3550

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A200729  
Sample ID: BG-DUP-02  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: STEVEN SUSTEN

Date Collected: 12/ 5/02  
Time Collected: 12:00  
Date Received: 12/ 7/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	ug/kg	0.0212	10	12/26/02	11:18	Henderson	8081A	267
a-BHC	0.0255	ug/kg	0.0212	10	12/26/02	11:18	Henderson	8081A	267
b-BHC	0.0425	ug/kg	0.0212	10	12/26/02	11:18	Henderson	8081A	267
d-BHC	ND	ug/kg	0.0212	10	12/26/02	11:18	Henderson	8081A	267
g-BHC, Lindane	ND	ug/kg	0.0212	10	12/26/02	11:18	Henderson	8081A	267
4,4'-DDB	1.62	ug/kg	0.425	100	12/26/02	11:18	Henderson	8081A	267
4,4'-DDE	0.128	ug/kg	0.0425	10	12/26/02	11:18	Henderson	8081A	267
4,4'-DDT	0.460 P	ug/kg	0.0425	10	12/26/02	11:18	Henderson	8081A	267
Dieldrin	0.0425	ug/kg	0.0425	10	12/26/02	11:18	Henderson	8081A	267
Endosulfan I	ND	ug/kg	0.0212	10	12/26/02	11:18	Henderson	8081A	267
Endosulfan II	ND	ug/kg	0.0425	10	12/26/02	11:18	Henderson	8081A	267
Endosulfan sulfate	ND	ug/kg	0.0425	10	12/26/02	11:18	Henderson	8081A	267
Endrin	ND	ug/kg	0.0425	10	12/26/02	11:18	Henderson	8081A	267
Endrin aldehyde	ND	ug/kg	0.0425	10	12/26/02	11:18	Henderson	8081A	267
Endrin Ketone	ND	ug/kg	0.0425	10	12/26/02	11:18	Henderson	8081A	267
Heptachlor	ND	ug/kg	0.0212	10	12/26/02	11:18	Henderson	8081A	267
Heptachlor epoxide	ND	ug/kg	0.0212	10	12/26/02	11:18	Henderson	8081A	267
Methoxychlor	ND	ug/kg	0.212	10	12/26/02	11:18	Henderson	8081A	267
Toxaphene	ND	ug/kg	4.25	10	12/26/02	11:18	Henderson	8081A	267
alpha-Chlordane	ND	ug/kg	0.0212	10	12/26/02	11:18	Henderson	8081A	267
gamma-Chlordane	ND	ug/kg	0.0212	10	12/26/02	11:18	Henderson	8081A	267
<b>*METALS*</b>									
Arsenic	203.	ug/kg	1.25	1	12/12/02	13:47	C.Johnson	60109	9984

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A200729

Sample ID: BG-DUP-02

Project: 37778-010-1400

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	78.3	%			12/20/02	11:47	M. Ricke	CLP	9980

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.5 gm	10.0 ml	12/19/02		M. Ricke	3550

### LABORATORY COMMENTS:

- ND = Not detected at the report limit.
  - B = Analyte was detected in the method blank.
  - J = Estimated Value below Report Limit.
  - E = Estimated value above the calibration limit of the instrument.
  - 6 = Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or organic analyses have been corrected for dry weight.  
 Pesticide surrogates diluted below detectable levels due to sample matrix. 4,4'-DDT result shows >40% difference between channels.

End of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200730  
 Sample ID: BG-DUP-03  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 6/02  
 Time Collected: 12:00  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB'S/HERBICIDES*</b>									
Dieldrin	ND	ug/kg	0.0043	1	12/26/02	11:47	Henderson	8081A	267
Toxaphene	ND	ug/kg	0.430	1	12/26/02	11:47	Henderson	8081A	267
<b>*METALS*</b>									
Arsenic	10.2	ug/kg	1.25	1	12/12/02	13:47	C.Johnson	6010B	9984
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	77.4	%			12/20/02	11:47	M. Ricke	CLP	9980

Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	30.0 gm	10.0 ml		12/19/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	94.	48. - 132.
pest surr-DCM	108.	46. - 140.

Sample report continued . . .



# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A200730  
Sample ID: BG-DUP-03  
Project: 37778-010-1400  
Page 2

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
  - B - Analyte was detected in the method blank.
  - J - Estimated Value below Report Limit.
  - X - Estimated value above the calibration limit of the instrument.
  - # - Recovery outside Laboratory historical or method prescribed limits.
- All reported results for metals or organic analyses have been corrected for dry weight.

End of Sample Report.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

Lab Number: 02-A202607

ALPHARETTA, GA 30005

Sample ID: BGDUP-04

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 12:00

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0042	1	12/19/02	15:00	Carmichael	8081A	8141
Toxaphene	ND	mg/kg	0.424	1	12/19/02	15:00	Carmichael	8081A	8141
*METALS*									
Arsenic	1090	mg/kg	1.25	1	12/16/02	10:22	C. Johnson	6010B	2423
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	78.5	%			12/16/02	16:00	K. Keller	CLP	2427

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol.				
OC Pest	29.8 gm	10.0 ml	12/17/02		M. Ricks	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	110.	48. - 132.
pest surr-DCB	95.	46. - 140.

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2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202607

Sample ID: BGDUP-04

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 12:00

Project Name: KED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDRARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202608

Sample ID: BGDUP-05

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 8:00

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	mg/kg	0.0210	10	12/22/02	4:33	Carmichael	8081A	8141
a-BHC	ND	mg/kg	0.0210	10	12/22/02	4:33	Carmichael	8081A	8141
b-BHC	0.0928	ug/kg	0.0210	10	12/22/02	4:33	Carmichael	8081A	8141
d-BHC	ND	mg/kg	0.0210	10	12/22/02	4:33	Carmichael	8081A	8141
g-BHC, Lindane	ND	mg/kg	0.0210	10	12/22/02	4:33	Carmichael	8081A	8141
4,4'-DDD	0.273	mg/kg	0.0422	10	12/22/02	4:33	Carmichael	8081A	8141
4,4'-DDE	0.430	mg/kg	0.0422	10	12/22/02	4:33	Carmichael	8081A	8141
4,4'-DDT	1.22	mg/kg	0.210	50	12/22/02	4:33	Carmichael	8081A	8141
Dieldrin	1.94	mg/kg	0.210	50	12/22/02	4:33	Carmichael	8081A	8141
Endosulfan I	ND	mg/kg	0.0210	10	12/22/02	4:33	Carmichael	8081A	8141
Endosulfan II	ND	mg/kg	0.0422	10	12/22/02	4:33	Carmichael	8081A	8141
Endosulfan sulfate	ND	mg/kg	0.0422	10	12/22/02	4:33	Carmichael	8081A	8141
Endrin	0.110	mg/kg	0.0422	10	12/22/02	4:33	Carmichael	8081A	8141
Endrin aldehyde	ND	mg/kg	0.0422	10	12/22/02	4:33	Carmichael	8081A	8141
Endrin Ketone	0.143	mg/kg	0.0422	10	12/22/02	4:33	Carmichael	8081A	8141
Heptachlor	ND	mg/kg	0.0210	10	12/22/02	4:33	Carmichael	8081A	8141
Heptachlor epoxide	ND	mg/kg	0.0210	10	12/22/02	4:33	Carmichael	8081A	8141
Methoxychlor	ND	mg/kg	0.210	10	12/22/02	4:33	Carmichael	8081A	8141
Toxaphene	12.4	mg/kg	2.10	5	12/22/02	4:33	Carmichael	8081A	8141
alpha-Chlordane	ND	mg/kg	0.0210	10	12/22/02	4:33	Carmichael	8081A	8141
gamma-Chlordane	ND	mg/kg	0.0210	10	12/22/02	4:33	Carmichael	8081A	8141
*METALS*									
Arsenic	1900	mg/kg	1.27	1	12/16/02	10:22	C. Johnson	6010B	2423
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	79.0	%			12/16/02	16:00	K. Keller	CLP	2427

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A202603

Sample ID: BGDUP-05

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 8:00

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.4 gm	10.0 ml	12/17/02		M. Ricke	3550

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

f - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A205894

Sample ID: BG-DUP-06

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 12:00

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/kg	0.0022	1	12/28/02	19:12	Carmichael	8081A	3994
a-BHC	ND	mg/kg	0.0022	1	12/28/02	19:12	Carmichael	8081A	3994
b-BHC	ND	mg/kg	0.0022	1	12/28/02	19:12	Carmichael	8081A	3994
d-BHC	ND	mg/kg	0.0022	1	12/28/02	19:12	Carmichael	8081A	3994
g-BHC, Lindane	ND	mg/kg	0.0022	1	12/28/02	19:12	Carmichael	8081A	3994
4,4'-DDD	ND	mg/kg	0.0043	1	12/28/02	19:12	Carmichael	8081A	3994
4,4'-DDE	ND	mg/kg	0.0043	1	12/28/02	19:12	Carmichael	8081A	3994
4,4'-DDT	ND	mg/kg	0.0043	1	12/28/02	19:12	Carmichael	8081A	3994
Dieldrin	ND	mg/kg	0.0043	1	12/28/02	19:12	Carmichael	8081A	3994
Endosulfan I	ND	mg/kg	0.0022	1	12/28/02	19:12	Carmichael	8081A	3994
Endosulfan II	ND	mg/kg	0.0043	1	12/28/02	19:12	Carmichael	8081A	3994
Endosulfan sulfate	ND	mg/kg	0.0043	1	12/28/02	19:12	Carmichael	8081A	3994
Endrin	ND	mg/kg	0.0043	1	12/28/02	19:12	Carmichael	8081A	3994
Endrin aldehyde	ND	mg/kg	0.0043	1	12/28/02	19:12	Carmichael	8081A	3994
Endrin Ketone	ND	mg/kg	0.0043	1	12/28/02	19:12	Carmichael	8081A	3994
Heptachlor	ND	mg/kg	0.0022	1	12/28/02	19:12	Carmichael	8081A	3994
Heptachlor epoxide	ND	mg/kg	0.0022	1	12/28/02	19:12	Carmichael	8081A	3994
Methoxychlor	ND	mg/kg	0.0214	1	12/28/02	19:12	Carmichael	8081A	3994
Toxaphene	ND	mg/kg	0.430	1	12/28/02	19:12	Carmichael	8081A	3994
alpha-Chlordane	0.0074	mg/kg	0.0022	1	12/28/02	19:12	Carmichael	8081A	3994
gamma-Chlordane	0.0078	mg/kg	0.0022	1	12/28/02	19:12	Carmichael	8081A	3994
<b>*METALS*</b>									
Arsenic	342.	mg/kg	1.27	1	12/27/02	10:22	C. Martin	6010B	5838
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	77.4	%			12/20/02	11:37	M. Ricke	CLP	5837

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A205894

Sample ID: BG-DUP-06

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 12:00

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/26/02		M. Riecke	3550

Surrogate	% Recovery	Target Range
pest surr-TOM	96.	45. - 132.
pest surr-DCB	119.	46. - 140.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207999  
Sample ID: CP-DUP-01  
Sample Type: Soil  
Site ID:

Project: 37778-010-1400  
Project Name: RED PANTHER  
Sampler: CHRIS MILLER

Date Collected: 12/16/02  
Time Collected: 12:00  
Date Received: 12/18/02  
Time Received: 9:00  
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Aldrin	ND	ug/kg	0.0416	20	1/ 7/03	19:58	Carmichael	8081A	6741
a-BHC	ND	ug/kg	0.0416	20	1/ 7/03	19:58	Carmichael	8081A	6741
b-BHC	ND	ug/kg	0.0416	20	1/ 7/03	19:58	Carmichael	8081A	6741
d-BHC	ND	ug/kg	0.0416	20	1/ 7/03	19:58	Carmichael	8081A	6741
g-BHC, Lindane	ND	ug/kg	0.0416	20	1/ 7/03	19:58	Carmichael	8081A	6741
4,4'-DDD	ND	ug/kg	0.0832	20	1/ 7/03	19:58	Carmichael	8081A	6741
4,4'-DDE	0.241	F	0.0832	20	1/ 7/03	19:58	Carmichael	8081A	6741
4,4'-DDE	1.16	F	0.0832	20	1/ 7/03	19:58	Carmichael	8081A	6741
Dieldrin	0.391	B	0.0832	20	1/ 7/03	19:58	Carmichael	8081A	6741
Endosulfan I	ND	ug/kg	0.0416	20	1/ 7/03	19:58	Carmichael	8081A	6741
Endosulfan II	ND	ug/kg	0.0832	20	1/ 7/03	19:58	Carmichael	8081A	6741
Endosulfan sulfate	ND	ug/kg	0.0832	20	1/ 7/03	19:58	Carmichael	8081A	6741
Endrin	ND	ug/kg	0.0832	20	1/ 7/03	19:58	Carmichael	8081A	6741
Endrin aldehyde	ND	ug/kg	0.0832	20	1/ 7/03	19:58	Carmichael	8081A	6741
Endrin Ketone	ND	ug/kg	0.0832	20	1/ 7/03	19:58	Carmichael	8081A	6741
Heptachlor	ND	ug/kg	0.0416	20	1/ 7/03	19:58	Carmichael	8081A	6741
Heptachlor epoxide	ND	ug/kg	0.0416	20	1/ 7/03	19:58	Carmichael	8081A	6741
Methoxychlor	ND	ug/kg	0.416	20	1/ 7/03	19:58	Carmichael	8081A	6741
Toxaphene	3.76	ug/kg	2.08	5	1/ 7/03	19:58	Carmichael	8081A	6741
alpha-Chlordane	ND	ug/kg	0.0416	20	1/ 7/03	19:58	Carmichael	8081A	6741
gamma-Chlordane	ND	ug/kg	0.0416	20	1/ 7/03	19:58	Carmichael	8081A	6741
*METALS*									
Arsenic	2450	ug/kg	1.19	1	1/ 2/03	10:00	C. Martin	6010B	8630

Sample report continued . . .



# TestAmerica

INCORPORATED

**ANALYTICAL REPORT**

Laboratory Number: 02-A207999  
 Sample ID: CP-DUP-01  
 Project: 37778-010-1400  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	80.0	%			12/30/02	16:00	K. Keller	GLP	8633

Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
OC Pest	30.2 gm	10.0 ml		12/30/02		H. Ricks	3590

**LABORATORY COMMENTS:**

ND - Not detected at the report limit.  
 B - Analyte was detected in the method blank.  
 J - Estimated value below Report Limit.  
 X - Estimated value above the calibration limit of the instrument.  
 # - Recovery outside Laboratory historical or method prescribed limits.  
 All reported results for metals or Organic analyses have been corrected for dry weight.  
 Pesticide surrogates diluted below detectable levels due to sample matrix.

End of Sample Report.

# Test America

INCORPORATED

## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A208015  
 Sample ID: CP-DUP-02  
 Sample Type: Soil  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: CHRIS MILLER

Date Collected: 12/17/02  
 Time Collected: 8:00  
 Date Received: 12/18/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analytst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	ND	ug/kg	1.07	500	1/ 7/03	15:05	Carmichael	8081A	6741
a-BHC	ND	ug/kg	1.07	500	1/ 7/03	15:05	Carmichael	8081A	6741
b-BHC	ND	ug/kg	1.07	500	1/ 7/03	15:05	Carmichael	8081A	6741
d-BHC	ND	ug/kg	1.07	500	1/ 7/03	15:05	Carmichael	8081A	6741
g-BHC, Lindane	ND	ug/kg	1.07	500	1/ 7/03	15:05	Carmichael	8081A	6741
4,4'-DDE	2.54	ug/kg	2.14	500	1/ 7/03	15:05	Carmichael	8081A	6741
4,4'-DDT	6.86	B ug/kg	2.14	500	1/ 7/03	15:05	Carmichael	8081A	6741
Dieldrin	5.79	B ug/kg	2.14	500	1/ 7/03	15:05	Carmichael	8081A	6741
Endosulfan I	ND	ug/kg	1.07	500	1/ 7/03	15:05	Carmichael	8081A	6741
Endosulfan II	ND	ug/kg	2.14	500	1/ 7/03	15:05	Carmichael	8081A	6741
Endosulfan sulfate	ND	ug/kg	2.14	500	1/ 7/03	15:05	Carmichael	8081A	6741
Endrin	ND	ug/kg	2.14	500	1/ 7/03	15:05	Carmichael	8081A	6741
Endrin aldehyde	ND	ug/kg	2.14	500	1/ 7/03	15:05	Carmichael	8081A	6741
Endrin Ketone	ND	ug/kg	2.14	500	1/ 7/03	15:05	Carmichael	8081A	6741
Heptachlor	ND	ug/kg	1.07	500	1/ 7/03	15:05	Carmichael	8081A	6741
Heptachlor epoxide	ND	ug/kg	1.07	500	1/ 7/03	15:05	Carmichael	8081A	6741
Methoxychlor	ND	ug/kg	10.7	500	1/ 7/03	15:05	Carmichael	8081A	6741
Toxaphene	133.	ug/kg	42.8	100	1/ 7/03	15:05	Carmichael	8081A	6741
alpha-Chlordane	ND	ug/kg	1.07	500	1/ 7/03	15:05	Carmichael	8081A	6741
gamma-Chlordane	ND	ug/kg	1.07	500	1/ 7/03	15:05	Carmichael	8081A	6741
<b>*METALS*</b>									
Arsenic	16.5	ug/kg	1.29	1	1/ 2/03	20:00	C. Martin	60108	8630

Sample report continued . . .

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Laboratory Number: 02-A208015

Sample ID: CP-DUP-02

Project: 37778-010-1400

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*GENERAL CHEMISTRY PARAMETERS*									
† Dry Weight	77.7	g			12/30/02	16:00	K. Keller	CLP	8623

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
CC Fost	29.5 gm	10.0 ml	12/30/02		M. Ricke	3550

### LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

\* - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

End of Sample Report.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203759

Sample ID: DGDUP-01

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 12:00

Project Name: RED PARTNER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Dieldrin	ND	mg/kg	0.0743	1	12/19/02	23:40	Carmichael	8081A	254
Toxaphene	ND	mg/kg	0.438	1	12/19/02	23:40	Carmichael	8081A	254
*METALS*									
Arsenic	7.16	ng/kg	1.28	1	12/16/02	9:10	C. Johnson	6010B	3791
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	76.0	%			12/18/02	14:30	K. Keller	CLP	3786

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.8 gm	10.0 ml	12/19/02		M. Ricks	3550

Surrogate	% Recovery	Target Range
pest surr-TOM	97.	48. - 132.
pest surr-DCB	87.	46. - 140.

## TEST AMERICA INC

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A203759

Sample ID: DGDUP-01

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 12:00

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

TEST AMERICA INC  
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Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

UES 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A203760

Sample ID: DGDUP-02

Date Collected: 12/11/02

Project: 37778-010-1400

Time Collected: 8:00

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.492	mg/kg	0.0456	10	12/22/02	2:34	Carmichael	8081A	254
Toxaphene	22.7	mg/kg	4.56	10	12/22/02	2:34	Carmichael	8081A	254
*METALS*									
Arsenic	8.60	mg/kg	1.30	1	12/16/02	9:10	C. Johnson	6010B	3791
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	73.1	%			12/18/02	14:30	K. Keller	CLP	3786

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.4 gm	10.0 ml	12/19/02		M. Ricke	3550

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207216

Sample ID: DGS-DUP-02

Date Collected: 12/15/02

Project: 37778-010-1400

Time Collected: 16:00

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES HAY

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*PESTICIDE/PCB's/HERBICIDES*</b>									
Aldrin	29.1	mg/kg	10.4	5000	12/31/02	19:07	Carmichael	8081A	5448
a-BHC	ND	mg/kg	10.4	5000	12/31/02	19:07	Carmichael	8081A	5448
b-BHC	ND	mg/kg	10.4	5000	12/31/02	19:07	Carmichael	8081A	5448
d-BHC	ND	mg/kg	10.4	5000	12/31/02	19:07	Carmichael	8081A	5448
g-BHC, Lindane	ND	mg/kg	10.4	5000	12/31/02	19:07	Carmichael	8081A	5448
4,4'-DDD	27.0	mg/kg	20.7	5000	12/31/02	19:07	Carmichael	8081A	5448
4,4'-DDE	ND	mg/kg	20.7	5000	12/31/02	19:07	Carmichael	8081A	5448
4,4'-DDT	241.	mg/kg	20.7	5000	12/31/02	19:07	Carmichael	8081A	5448
Dieldrin	51.9	mg/kg	20.7	5000	12/31/02	19:07	Carmichael	8081A	5448
Endosulfan I	ND	mg/kg	10.4	5000	12/31/02	19:07	Carmichael	8081A	5448
Endosulfan II	ND	mg/kg	20.7	5000	12/31/02	19:07	Carmichael	8081A	5448
Endosulfan sulfate	ND	mg/kg	20.7	5000	12/31/02	19:07	Carmichael	8081A	5448
Endrin	ND	mg/kg	20.7	5000	12/31/02	19:07	Carmichael	8081A	5448
Endrin aldehyde	ND	mg/kg	20.7	5000	12/31/02	19:07	Carmichael	8081A	5448
Endrin Ketone	ND	mg/kg	20.7	5000	12/31/02	19:07	Carmichael	8081A	5448
Heptachlor	ND	mg/kg	10.4	5000	12/31/02	19:07	Carmichael	8081A	5448
Heptachlor epoxide	ND	mg/kg	10.4	5000	12/31/02	19:07	Carmichael	8081A	5448
Methoxychlor	ND	mg/kg	104.	5000	12/31/02	19:07	Carmichael	8081A	5448
Toxaphene	831.	mg/kg	207.	500	12/31/02	19:07	Carmichael	8081A	5448
alpha-Chlordane	ND	mg/kg	10.4	5000	12/31/02	19:07	Carmichael	8081A	5448
gamma-Chlordane	ND	mg/kg	10.4	5000	12/31/02	19:07	Carmichael	8081A	5448
<b>*METALS*</b>									
Arsenic	16.9	mg/kg	1.22	1	12/31/02	13:08	C. Martin	6010B	7686
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	80.1	%			12/23/02	15:30	K. Keller	CLP	7718

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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDRARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A207216

Sample ID: DGS-DUP-02

Date Collected: 12/15/02

Project: 37778-010-1400

Time Collected: 16:00

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Soil

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.1 gm	10.0 ml	12/27/02		M. Cauthen	3550

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

Pesticide surrogate diluted below detectable levels due to sample matrix.



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2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A204749

Sample ID: DG-DUP-03

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 8:00

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB'S/HERBICIDES*									
Dieldrin	0.145	mg/kg	0.0205	5	12/28/02	18:04	Carmichael	8081A	3880
Toxaphene	1.99	mg/kg	0.412	1	12/28/02	18:04	Carmichael	8081A	3880
*METALS*									
Arsenic	4.74	mg/kg	1.19	1	12/26/02	15:28	C. Martin	6010B	4862
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	80.8	%			12/19/02	16:00	K. Keller	CLP	4864

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	29.9 gm	10.0 ml	12/26/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	110.	48. - 132.
pest surr-DCB	110.	46. - 140.

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Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY, STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A204749

Sample ID: DG-DUP-03

Date Collected: 12/12/02

Project: 37776-010-1400

Time Collected: 8:00

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

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Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A204750

Sample ID: DG-DUP-04

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 8:00

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*PESTICIDE/PCB's/HERBICIDES*									
Dieldrin	0.102	mg/kg	0.0086	2	12/28/02	18:33	Carmichael	8081A	3880
Toxaphene	2.48	mg/kg	0.852	2	12/28/02	18:33	Carmichael	8081A	3880
*METALS*									
Arsenic	119.	mg/kg	1.23	1	12/26/02	15:28	C. Martin	6010B	4862
*GENERAL CHEMISTRY PARAMETERS*									
% Dry Weight	78.2	%			12/19/02	16:00	K. Keller	CLP	4864

## Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
OC Pest	30.3 gm	10.0 ml	12/26/02		M. Ricke	3550

Surrogate	% Recovery	Target Range
pest surr-TOMX	96.	48. - 132.
pest surr-DCB	108.	46. - 140.

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## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: O2-A204750

Sample ID: DG-DUP-04

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 8:00

Project Name: RED PANTHER

Date Received: 12/13/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Soil

## LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

/ - Recovery outside Laboratory historical or method prescribed limits.

All reported results for metals or Organic analyses have been corrected for dry weight.

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## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200684  
 Sample ID: EQB-01  
 Sample Type: Ground water  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 5/02  
 Time Collected: 13:20  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
<b>*PESTICIDES/PCB'S/HERBICIDES*</b>									
Alrin	ND	ug/l	0.00005	1	12/14/02	19:33	Henderson	8081A	5545
a-BHC	ND	ug/l	0.00005	1	12/14/02	19:33	Henderson	8081A	5545
b-BHC	ND	ug/l	0.00005	1	12/14/02	19:33	Henderson	8081A	5545
d-BHC	ND	ug/l	0.00005	1	12/14/02	19:33	Henderson	8081A	5545
g-BHC, Lindane	ND	ug/l	0.00005	1	12/14/02	19:33	Henderson	8081A	5545
4,4'-DDD	ND	ug/l	0.00010	1	12/14/02	19:33	Henderson	8081A	5545
4,4'-DDE	ND	ug/l	0.00010	1	12/14/02	19:33	Henderson	8081A	5545
4,4'-DDT	ND	ug/l	0.00010	1	12/14/02	19:33	Henderson	8081A	5545
Dieldrin	ND	ug/l	0.00010	1	12/14/02	19:33	Henderson	8081A	5545
Endosulfan I	ND	ug/l	0.00005	1	12/14/02	19:33	Henderson	8081A	5545
Endosulfan II	ND	ug/l	0.00010	1	12/14/02	19:33	Henderson	8081A	5545
Endosulfan Sulfate	ND	ug/l	0.00010	1	12/14/02	19:33	Henderson	8081A	5545
Endrin	ND	ug/l	0.00010	1	12/14/02	19:33	Henderson	8081A	5545
Endrin aldehyde	ND	ug/l	0.00010	1	12/14/02	19:33	Henderson	8081A	5545
Endrin Ketone	ND	ug/l	0.00010	1	12/14/02	19:33	Henderson	8081A	5545
Heptachlor	ND	ug/l	0.00005	1	12/14/02	19:33	Henderson	8081A	5545
Heptachlor Epoxide	ND	ug/l	0.00005	1	12/14/02	19:33	Henderson	8081A	5545
Methoxychlor	ND	ug/l	0.00010	1	12/14/02	19:33	Henderson	8081A	5545
Toxaphene	ND	ug/l	0.00800	1	12/14/02	19:33	Henderson	8081A	5545
alpha-Chlordane	ND	ug/l	0.00005	1	12/14/02	19:33	Henderson	8081A	5545
gamma-Chlordane	ND	ug/l	0.00005	1	12/14/02	19:33	Henderson	8081A	5545
<b>*MISCELLANEOUS CHEMISTRY*</b>									
pH	6.8				12/10/02	17:30	M.Womack	9040/150.1	9989

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 02-A200684  
 Sample ID: EQB-01  
 Project: 37778-010-1400  
 Page 2

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### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
Pesticides	500. ml	5.00 ml	12/12/02		M. Ricks	3510/608

Surrogate	% Recovery	Target Range
pest surr-TCDF	115.	88. - 127.
pest surr-DCB	127.	8. - 133.

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
- B - Analyte was detected in the method blank.
- J - Estimated Value below Report Limit.
- E - Estimated Value above the calibration limit of the instrument.
- R - Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

# TestAmerica

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## ANALYTICAL REPORT

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A200685  
 Sample ID: EQB-02  
 Sample Type: Ground water  
 Site ID:

Project: 37778-010-1400  
 Project Name: RED PANTHER  
 Sampler: STEVEN SUSTEN

Date Collected: 12/ 6/02  
 Time Collected: 8:45  
 Date Received: 12/ 7/02  
 Time Received: 9:00  
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
<b>*PESTICIDES/PCB's/HERBICIDES*</b>									
Aldrin	ND	ug/l	0.00005	1	12/14/02	20:02	Henderson	8081A	5545
a-BHC	ND	ug/l	0.00005	1	12/14/02	20:02	Henderson	8081A	5545
b-BHC	ND	ug/l	0.00005	1	12/14/02	20:02	Henderson	8081A	5545
d-BHC	ND	ug/l	0.00005	1	12/14/02	20:02	Henderson	8081A	5545
g-BHC, Lindane	ND	ug/l	0.00005	1	12/14/02	20:02	Henderson	8081A	5545
4,4'-DDP	ND	ug/l	0.00010	1	12/14/02	20:02	Henderson	8081A	5545
4,4'-DDE	ND	ug/l	0.00010	1	12/14/02	20:02	Henderson	8081A	5545
4,4'-DDT	ND	ug/l	0.00010	1	12/14/02	20:02	Henderson	8081A	5545
Dieldrin	ND	ug/l	0.00010	1	12/14/02	20:02	Henderson	8081A	5545
Endosulfan I	ND	ug/l	0.00005	1	12/14/02	20:02	Henderson	8081A	5545
Endosulfan II	ND	ug/l	0.00010	1	12/14/02	20:02	Henderson	8081A	5545
Endosulfan sulfate	ND	ug/l	0.00010	1	12/14/02	20:02	Henderson	8081A	5545
Endrin	ND	ug/l	0.00010	1	12/14/02	20:02	Henderson	8081A	5545
Endrin Aldehyde	ND	ug/l	0.00010	1	12/14/02	20:02	Henderson	8081A	5545
Endrin Ketone	ND	ug/l	0.00010	1	12/14/02	20:02	Henderson	8081A	5545
Heptachlor	ND	ug/l	0.00005	1	12/14/02	20:02	Henderson	8081A	5545
Heptachlor Epoxide	ND	ug/l	0.00005	1	12/14/02	20:02	Henderson	8081A	5545
Methoxychlor	ND	ug/l	0.00010	1	12/14/02	20:02	Henderson	8081A	5545
Toxaphene	ND	ug/l	0.00500	1	12/14/02	20:02	Henderson	8081A	5545
alpha-Chlordane	ND	ug/l	0.00005	1	12/14/02	20:02	Henderson	8081A	5545
gamma-Chlordane	ND	ug/l	0.00005	1	12/14/02	20:02	Henderson	8081A	5545
<b>*MISCELLANEOUS CHEMISTRY*</b>									
pH	6.2				12/10/02	17:35	N.Womack	9040/150.1	9989

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 02-A200685  
 Sample ID: EQB-02  
 Project: 37778-010-1400  
 Page 2

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 Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
Pesticides	500. ml	5.00 ml	12/12/02		M. Ricke	3510/608

Surrogate	% Recovery	Target Range
pest surr-TMX	111.	85. - 127.
pest surr-DCB	129.	8. - 133.

### LABORATORY COMMENTS:

- ND = Not detected at the report limit.
- B = Analyte was detected in the method blank.
- J = Estimated Value below Report Limit.
- E = Estimated Value above the calibration limit of the instrument.
- \* = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.



# TestAmerica

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## ANALYTICAL REPORT

Laboratory Number: 02-A200685  
 Sample ID: EQB-02  
 Project: 37778-010-1400  
 Page 2

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 Sample Extraction Data

Parameter	wt/vol Extracted	Extract Vol	Date	Time	Analyst	Method
Pesticides	500. ml	5.00 ml	12/12/02		M. Ricks	3510/608

Surrogate	% Recovery	Target Range
pest surr-TCM	111.	83. - 127.
pest surr-DCB	129.	8. - 133.

### LABORATORY COMMENTS:

- ND - Not detected at the report limit.
- B - Analyte was detected in the method blank.
- J - Estimated Value below Report Limit.
- E - Estimated value above the calibration limit of the instrument.
- R - Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TEST AMERICA INC  
 2960 Foster Creighton Drive  
 Nashville, Tennessee 37204

ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A202576

Sample ID: EQB-03

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 15:55

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Ground water

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
<b>*PESTICIDES/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/l	0.00005	1	12/17/02	20:13	Carmichael	8081A	7657
a-BHC	ND	mg/l	0.00005	1	12/17/02	20:13	Carmichael	8081A	7657
b-BHC	ND	mg/l	0.00005	1	12/17/02	20:13	Carmichael	8081A	7657
d-BHC	ND	mg/l	0.00005	1	12/17/02	20:13	Carmichael	8081A	7657
g-PHC, Lindane	ND	mg/l	0.00005	1	12/17/02	20:13	Carmichael	8081A	7657
4,4'-DDD	ND	mg/l	0.00010	1	12/17/02	20:13	Carmichael	8081A	7657
4,4'-DDE	ND	mg/l	0.00010	1	12/17/02	20:13	Carmichael	8081A	7657
4,4'-DDT	ND	mg/l	0.00010	1	12/17/02	20:13	Carmichael	8081A	7657
Dieldrin	ND	mg/l	0.00010	1	12/17/02	20:13	Carmichael	8081A	7657
Endosulfan I	ND	mg/l	0.00005	1	12/17/02	20:13	Carmichael	8081A	7657
Endosulfan II	ND	mg/l	0.00010	1	12/17/02	20:13	Carmichael	8081A	7657
Endosulfan Sulfate	ND	mg/l	0.00010	1	12/17/02	20:13	Carmichael	8081A	7657
Endrin	ND	mg/l	0.00010	1	12/17/02	20:13	Carmichael	8081A	7657
Endrin Aldehyde	ND	mg/l	0.00010	1	12/17/02	20:13	Carmichael	8081A	7657
Endrin Ketone	ND	mg/l	0.00010	1	12/17/02	20:13	Carmichael	8081A	7657
Heptachlor	ND	mg/l	0.00005	1	12/17/02	20:13	Carmichael	8081A	7657
Heptachlor Epoxide	ND	mg/l	0.00005	1	12/17/02	20:13	Carmichael	8081A	7657
Methoxychlor	ND	mg/l	0.00010	1	12/17/02	20:13	Carmichael	8081A	7657
Toxaphene	ND	mg/l	0.00500	1	12/17/02	20:13	Carmichael	8081A	7657
alpha-Chlordane	ND	mg/l	0.00005	1	12/17/02	20:13	Carmichael	8081A	7657
gamma-Chlordane	ND	mg/l	0.00005	1	12/17/02	20:13	Carmichael	8081A	7657
<b>*MISCELLANEOUS CHEMISTRY*</b>									
pH	7.4				12/14/02	8:55	S. Self	9040/150.1	2416

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				

## TEST AMERICA INC

## ANALYTICAL REPORT

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A202576

Sample ID: EQB-03

Date Collected: 12/ 9/02

Project: 37778-010-1400

Time Collected: 15:55

Project Name: RED PANTHER

Date Received: 12/11/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Ground water

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
Pesticides	500. ml	5.00 ml	12/16/02		M. Ricker	3510/608

Surrogate	% Recovery	Target Range
pest surr-TOM	111.	33. - 127.
pest surr-DCB	89.	8. - 133.

LABORATORY COMMENTS:

- ND - Not detected at the report limit.
- B - Analyte was detected in the method blank.
- J - Estimated Value below Report Limit.
- E - Estimated Value above the calibration limit of the instrument.
- / - Recovery outside Laboratory historical or method prescribed limits.

TEST AMERICA INC  
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Nashville, Tennessee 37204

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URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203716

Sample ID: EQB-04

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 13:35

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

TE State Certification:

Sample Type: Ground water

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
*PESTICIDES/PCB's/HERBICIDES*									
Aldrin	ND	mg/l	0.00005	1	12/18/02	0:09	Carmichael	8081A	8140
a-BHC	ND	mg/l	0.00005	1	12/18/02	0:09	Carmichael	8081A	8140
b-BHC	ND	mg/l	0.00005	1	12/18/02	0:09	Carmichael	8081A	8140
d-BHC	ND	mg/l	0.00005	1	12/18/02	0:09	Carmichael	8081A	8140
g-PBC, Lindane	ND	mg/l	0.00005	1	12/18/02	0:09	Carmichael	8081A	8140
4,4'-DDD	ND	mg/l	0.00010	1	12/18/02	0:09	Carmichael	8081A	8140
4,4'-DDE	ND	mg/l	0.00010	1	12/18/02	0:09	Carmichael	8081A	8140
4,4'-DDT	ND	mg/l	0.00010	1	12/18/02	0:09	Carmichael	8081A	8140
Dieldrin	ND	mg/l	0.00010	1	12/18/02	0:09	Carmichael	8081A	8140
Endosulfan I	ND	mg/l	0.00005	1	12/18/02	0:09	Carmichael	8081A	8140
Endosulfan II	ND	mg/l	0.00010	1	12/18/02	0:09	Carmichael	8081A	8140
Endosulfan Sulfate	ND	mg/l	0.00010	1	12/18/02	0:09	Carmichael	8081A	8140
Endrin	ND	mg/l	0.00010	1	12/18/02	0:09	Carmichael	8081A	8140
Endrin Aldehyde	ND	mg/l	0.00010	1	12/18/02	0:09	Carmichael	8081A	8140
Endrin Ketone	ND	mg/l	0.00010	1	12/18/02	0:09	Carmichael	8081A	8140
Heptachlor	ND	mg/l	0.00005	1	12/18/02	0:09	Carmichael	8081A	8140
Heptachlor Epoxide	ND	mg/l	0.00005	1	12/18/02	0:09	Carmichael	8081A	8140
Methoxychlor	ND	mg/l	0.00010	1	12/18/02	0:09	Carmichael	8081A	8140
Toxaphene	ND	mg/l	0.00500	1	12/18/02	0:09	Carmichael	8081A	8140
alpha-Chlordane	ND	mg/l	0.00005	1	12/18/02	0:09	Carmichael	8081A	8140
gamma-Chlordane	ND	mg/l	0.00005	1	12/18/02	0:09	Carmichael	8081A	8140

## \*MISCELLANEOUS CHEMISTRY\*

pH 7.5 12/14/02 8:55 S. Self 9040/150.1 3773

## Sample Extraction Data

Parameter	St/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
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Nashville, Tennessee 37204

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URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A203716

Sample ID: EQB-04

Date Collected: 12/10/02

Project: 37778-010-1400

Time Collected: 13:35

Project Name: RED PANTHER

Date Received: 12/12/02

Sampler: STEVEN SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Ground water

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
Pesticides	500. ml	5.00 ml	12/17/02		M. Ricks	3510/608

Surrogate	% Recovery	Target Range
pest surr-TOMH	112.	33. - 127.
pest surr-DCB	89.	8. - 133.

## LABORATORY COMMENTS:

- ND - Not detected at the report limit.
- B - Analyte was detected in the method blank.
- J - Estimated Value below Report Limit.
- E - Estimated Value above the calibration limit of the instrument.
- # - Recovery outside Laboratory historical or method prescribed limits.

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URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A205874

Sample ID: EQB-05

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 13:45

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Ground water

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Patch
<b>*PESTICIDES/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/l	0.00005	1	12/20/02	4:07	Carmichael	8081A	261
a-BHC	ND	mg/l	0.00005	1	12/20/02	4:07	Carmichael	8081A	261
b-BHC	ND	mg/l	0.00005	1	12/20/02	4:07	Carmichael	8081A	261
d-BHC	ND	mg/l	0.00005	1	12/20/02	4:07	Carmichael	8081A	261
g-BHC, Lindane	ND	mg/l	0.00005	1	12/20/02	4:07	Carmichael	8081A	261
4,4'-DDD	ND	mg/l	0.00010	1	12/20/02	4:07	Carmichael	8081A	261
4,4'-DDE	ND	mg/l	0.00010	1	12/20/02	4:07	Carmichael	8081A	261
4,4'-DDT	ND	mg/l	0.00010	1	12/20/02	4:07	Carmichael	8081A	261
Dieldrin	ND	mg/l	0.00010	1	12/20/02	4:07	Carmichael	8081A	261
Endosulfan I	ND	mg/l	0.00005	1	12/20/02	4:07	Carmichael	8081A	261
Endosulfan II	ND	mg/l	0.00010	1	12/20/02	4:07	Carmichael	8081A	261
Endosulfan Sulfate	ND	mg/l	0.00010	1	12/20/02	4:07	Carmichael	8081A	261
Endrin	ND	mg/l	0.00010	1	12/20/02	4:07	Carmichael	8081A	261
Endrin Aldehyde	ND	mg/l	0.00010	1	12/20/02	4:07	Carmichael	8081A	261
Endrin Ketone	ND	mg/l	0.00010	1	12/20/02	4:07	Carmichael	8081A	261
Heptachlor	ND	mg/l	0.00005	1	12/20/02	4:07	Carmichael	8081A	261
Heptachlor Epoxide	ND	mg/l	0.00005	1	12/20/02	4:07	Carmichael	8081A	261
Methoxychlor	ND	mg/l	0.00010	1	12/20/02	4:07	Carmichael	8081A	261
Toxaphene	ND	mg/l	0.0100	1	12/20/02	4:07	Carmichael	8081A	261
alpha-Chlordane	ND	mg/l	0.00005	1	12/20/02	4:07	Carmichael	8081A	261
gamma-Chlordane	ND	mg/l	0.00005	1	12/20/02	4:07	Carmichael	8081A	261
<b>*METALS*</b>									
Arsenic	ND	mg/l	0.0050	1	12/23/02	11:36	C. Martin	6010B	8362
<b>*MISCELLANEOUS CHEMISTRY*</b>									
pH	7.6				12/15/02	9:40	M. Cauthen	9040/150.1	5835

TEST AMERICA INC  
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## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A205874

Sample ID: EQ8-05

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 13:45

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVE SUSTEM

Time Received: 9:00

State Certification:

Sample Type: Ground water

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
Pesticides	500. ml	5.00 ml	12/19/02		M. Ricke	3510/608

Surrogate	% Recovery	Target Range
pest surr-TOMX	87.	33. - 127.
pest surr-DCB	77.	8. - 133.

LABORATORY COMMENTS:

- ND - Not detected at the report limit.
- B - Analyte was detected in the method blank.
- J - Estimated Value below Report Limit.
- E - Estimated Value above the calibration limit of the instrument.
- # - Recovery outside Laboratory historical or method prescribed limits.

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A205875

Sample ID: EQB-06

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 15:45

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVE SUSIEN

Time Received: 9:00

State Certification:

Sample Type: Ground water

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
<b>*PESTICIDES/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/l	0.00005	1	12/20/02	4:37	Carmichael	8081A	261
a-BHC	ND	mg/l	0.00005	1	12/20/02	4:37	Carmichael	8081A	261
b-BHC	ND	mg/l	0.00005	1	12/20/02	4:37	Carmichael	8081A	261
d-BHC	ND	mg/l	0.00005	1	12/20/02	4:37	Carmichael	8081A	261
g-BHC, Lindane	ND	mg/l	0.00005	1	12/20/02	4:37	Carmichael	8081A	261
4,4'-DDD	ND	mg/l	0.00010	1	12/20/02	4:37	Carmichael	8081A	261
4,4'-DDE	ND	mg/l	0.00010	1	12/20/02	4:37	Carmichael	8081A	261
4,4'-DDT	ND	mg/l	0.00010	1	12/20/02	4:37	Carmichael	8081A	261
Dieldrin	ND	mg/l	0.00010	1	12/20/02	4:37	Carmichael	8081A	261
Endosulfan I	ND	mg/l	0.00005	1	12/20/02	4:37	Carmichael	8081A	261
Endosulfan II	ND	mg/l	0.00010	1	12/20/02	4:37	Carmichael	8081A	261
Endosulfan Sulfate	ND	mg/l	0.00010	1	12/20/02	4:37	Carmichael	8081A	261
Endrin	ND	mg/l	0.00010	1	12/20/02	4:37	Carmichael	8081A	261
Endrin Aldehyde	ND	mg/l	0.00010	1	12/20/02	4:37	Carmichael	8081A	261
Endrin Ketone	ND	mg/l	0.00010	1	12/20/02	4:37	Carmichael	8081A	261
Heptachlor	ND	mg/l	0.00005	1	12/20/02	4:37	Carmichael	8081A	261
Heptachlor Epoxide	ND	mg/l	0.00005	1	12/20/02	4:37	Carmichael	8081A	261
Methoxychlor	ND	mg/l	0.00010	1	12/20/02	4:37	Carmichael	8081A	261
Toxaphene	ND	mg/l	0.0100	1	12/20/02	4:37	Carmichael	8081A	261
alpha-Chlordane	ND	mg/l	0.00005	1	12/20/02	4:37	Carmichael	8081A	261
gamma-Chlordane	ND	mg/l	0.00005	1	12/20/02	4:37	Carmichael	8081A	261
<b>*METALS*</b>									
Arsenic	ND	mg/l	0.0050	1	12/23/02	11:36	C. Martin	6010B	8362
<b>*MISCELLANEOUS CHEMISTRY*</b>									
pH	7.2				12/15/02	9:40	M. Cauthen	9040/150.1	5835



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Nashville, Tennessee 37204

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URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A205875

Sample ID: EQB-06

Date Collected: 12/12/02

Project: 37778-010-1400

Time Collected: 15:45

Project Name: RED PANTHER

Date Received: 12/14/02

Sampler: STEVE SUSTEN

Time Received: 9:00

State Certification:

Sample Type: Ground water

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
Pesticides	500. ml	5.00 ml	12/19/02		M. Ricke	3510/608

Surrogate	% Recovery	Target Range
pest surr-TOMX	83.	33. - 127.
pest surr-DCB	70.	8. - 133.

LABORATORY COMMENTS:

- ND - Not detected at the report limit.
- B - Analyte was detected in the method blank.
- J - Estimated Value below Report Limit.
- E - Estimated Value above the calibration limit of the instrument.
- # - Recovery outside Laboratory historical or method prescribed limits.

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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207195

Sample ID: EQB-07

Date Collected: 12/14/02

Project: 37778-010-1400

Time Collected: 8:00

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Ground water

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
<b>*PESTICIDES/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/l	0.00005	1	12/25/02	14:46	Carmichael	8081A	1267
a-BHC	ND	mg/l	0.00005	1	12/25/02	14:46	Carmichael	8081A	1267
l-BHC	ND	mg/l	0.00005	1	12/25/02	14:46	Carmichael	8081A	1267
d-BHC	ND	mg/l	0.00005	1	12/25/02	14:46	Carmichael	8081A	1267
g-BHC, Lindane	ND	mg/l	0.00005	1	12/25/02	14:46	Carmichael	8081A	1267
4,4'-DDD	ND	mg/l	0.00010	1	12/25/02	14:46	Carmichael	8081A	1267
4,4'-DDE	ND	mg/l	0.00010	1	12/25/02	14:46	Carmichael	8081A	1267
4,4'-DDT	ND	mg/l	0.00010	1	12/25/02	14:46	Carmichael	8081A	1267
Dieldrin	ND	mg/l	0.00010	1	12/25/02	14:46	Carmichael	8081A	1267
Endosulfan I	ND	mg/l	0.00005	1	12/25/02	14:46	Carmichael	8081A	1267
Endosulfan II	ND	mg/l	0.00010	1	12/25/02	14:46	Carmichael	8081A	1267
Endosulfan Sulfate	ND	mg/l	0.00010	1	12/25/02	14:46	Carmichael	8081A	1267
Endrin	ND	mg/l	0.00010	1	12/25/02	14:46	Carmichael	8081A	1267
Endrin Aldehyde	ND	mg/l	0.00010	1	12/25/02	14:46	Carmichael	8081A	1267
Endrin Ketone	ND	mg/l	0.00010	1	12/25/02	14:46	Carmichael	8081A	1267
Heptachlor	ND	mg/l	0.00005	1	12/25/02	14:46	Carmichael	8081A	1267
Heptachlor Epoxide	ND	mg/l	0.00005	1	12/25/02	14:46	Carmichael	8081A	1267
Methoxychlor	ND	mg/l	0.00010	1	12/25/02	14:46	Carmichael	8081A	1267
Toxaphene	ND	mg/l	0.0100	1	12/25/02	14:46	Carmichael	8081A	1267
alpha-Chlordane	ND	mg/l	0.00005	1	12/25/02	14:46	Carmichael	8081A	1267
gamma-Chlordane	ND	mg/l	0.00005	1	12/25/02	14:46	Carmichael	8081A	1267
<b>*METALS*</b>									
Arsenic	ND	mg/l	0.0050	1	12/23/02	11:36	C. Martin	6010B	8362
<b>*MISCELLANEOUS CHEMISTRY*</b>									
pH	6.9				12/19/02	19:05	M. Romack	9040/150.1	7682

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207195

Sample ID: EQB-07

Date Collected: 12/14/02

Project: 37778-010-1400

Time Collected: 8:00

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Ground water

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
Pesticides	500. ml	5.00 ml	12/19/02		M. Ricke	3510/608

Surrogate	% Recovery	Target Range
pest surr-TOMX	95.	33. - 127.
pest surr-DCB	91.	8. - 133.

LABORATORY COMMENTS:

- ND - Not detected at the report limit.
- B - Analyte was detected in the method blank.
- J - Estimated Value below Report Limit.
- E - Estimated Value above the calibration limit of the instrument.
- f - Recovery outside Laboratory historical or method prescribed limits.

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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207196

Sample ID: EQB-08

Date Collected: 12/16/02

Project: 37778-010-1400

Time Collected: 7:45

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Ground water

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
<b>*PESTICIDES/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/l	0.00005	1	12/25/02	15:17	Carmichael	8081A	1267
a-BHC	ND	mg/l	0.00005	1	12/25/02	15:17	Carmichael	8081A	1267
b-BHC	ND	mg/l	0.00005	1	12/25/02	15:17	Carmichael	8081A	1267
d-BHC	ND	mg/l	0.00005	1	12/25/02	15:17	Carmichael	8081A	1267
g-BHC, Lirdane	ND	mg/l	0.00005	1	12/25/02	15:17	Carmichael	8081A	1267
4,4'-DDD	ND	mg/l	0.00010	1	12/25/02	15:17	Carmichael	8081A	1267
4,4'-DDE	ND	mg/l	0.00010	1	12/25/02	15:17	Carmichael	8081A	1267
4,4'-DDT	ND	mg/l	0.00010	1	12/25/02	15:17	Carmichael	8081A	1267
Dieldrin	ND	mg/l	0.00010	1	12/25/02	15:17	Carmichael	8081A	1267
Endosulfan I	ND	mg/l	0.00005	1	12/25/02	15:17	Carmichael	8081A	1267
Endosulfan II	ND	mg/l	0.00010	1	12/25/02	15:17	Carmichael	8081A	1267
Endosulfan Sulfate	ND	mg/l	0.00010	1	12/25/02	15:17	Carmichael	8081A	1267
Endrin	ND	mg/l	0.00010	1	12/25/02	15:17	Carmichael	8081A	1267
Endrin Aldehyde	ND	mg/l	0.00010	1	12/25/02	15:17	Carmichael	8081A	1267
Endrin Ketone	ND	mg/l	0.00010	1	12/25/02	15:17	Carmichael	8081A	1267
Heptachlor	ND	mg/l	0.00005	1	12/25/02	15:17	Carmichael	8081A	1267
Heptachlor Epoxide	ND	mg/l	0.00005	1	12/25/02	15:17	Carmichael	8081A	1267
Methoxychlor	ND	mg/l	0.00010	1	12/25/02	15:17	Carmichael	8081A	1267
Toxaphene	ND	mg/l	0.0100	1	12/25/02	15:17	Carmichael	8081A	1267
alpha-Chlordane	ND	mg/l	0.00005	1	12/25/02	15:17	Carmichael	8081A	1267
gamma-Chlordane	ND	mg/l	0.00005	1	12/25/02	15:17	Carmichael	8081A	1267
<b>*METALS*</b>									
Arsenic	ND	mg/l	0.0050	1	12/23/02	11:36	C. Martin	6010B	8362
<b>*MISCELLANEOUS CHEMISTRY*</b>									
pH	6.6				12/19/02	19:10	M. Romack	9040/150.1	7682

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A207196

Sample ID: EQB-08

Date Collected: 12/16/02

Project: 37776-010-1400

Time Collected: 7:45

Project Name: RED PANTHER

Date Received: 12/17/02

Sampler: CHARLES WAY

Time Received: 9:00

State Certification:

Sample Type: Ground water

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
Pesticides	500. ml	5.00 ml	12/19/02		W. Rieks	3510/608

Surrogate	% Recovery	Target Range
pest surr-TOMX	104.	33. - 127.
pest surr-DCB	99.	8. - 133.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

/ - Recovery outside Laboratory historical or method prescribed limits.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207973

Sample ID: EQB-09

Date Collected: 12/16/02

Project: 37778-010-1400

Time Collected: 13:00

Project Name: RED PANTHER

Date Received: 12/18/02

Sampler: CHRIS MILLER

Time Received: 9:00

State Certification:

Sample Type: Ground water

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
*PESTICIDES/PCB's/HERBICIDES*									
Aldrin	ND	mg/l	0.00005	1	12/25/02	10:18	Carmichael	8081A	2603
a-BHC	ND	mg/l	0.00005	1	12/25/02	10:18	Carmichael	8081A	2603
b-BHC	ND	mg/l	0.00005	1	12/25/02	10:18	Carmichael	8081A	2603
d-BHC	ND	mg/l	0.00005	1	12/25/02	10:18	Carmichael	8081A	2603
g-BHC, Lindane	ND	ug/l	0.00005	1	12/25/02	10:18	Carmichael	8081A	2603
4,4'-DDD	ND	mg/l	0.00010	1	12/25/02	10:18	Carmichael	8081A	2603
4,4'-DDE	ND	mg/l	0.00010	1	12/25/02	10:18	Carmichael	8081A	2603
4,4'-DDT	ND	mg/l	0.00010	1	12/25/02	10:18	Carmichael	8081A	2603
Dieldrin	ND	mg/l	0.00010	1	12/25/02	10:18	Carmichael	8081A	2603
Endosulfan I	ND	mg/l	0.00005	1	12/25/02	10:18	Carmichael	8081A	2603
Endosulfan II	ND	mg/l	0.00010	1	12/25/02	10:18	Carmichael	8081A	2603
Endosulfan Sulfate	ND	mg/l	0.00010	1	12/25/02	10:18	Carmichael	8081A	2603
Endrin	ND	mg/l	0.00010	1	12/25/02	10:18	Carmichael	8081A	2603
Endrin Aldehyde	ND	mg/l	0.00010	1	12/25/02	10:18	Carmichael	8081A	2603
Endrin Ketone	ND	mg/l	0.00010	1	12/25/02	10:18	Carmichael	8081A	2603
Heptachlor	ND	mg/l	0.00005	1	12/25/02	10:18	Carmichael	8081A	2603
Heptachlor Epoxide	ND	mg/l	0.00005	1	12/25/02	10:18	Carmichael	8081A	2603
Methoxychlor	ND	mg/l	0.00010	1	12/25/02	10:18	Carmichael	8081A	2603
Toxaphene	ND	mg/l	0.0100	1	12/25/02	10:18	Carmichael	8081A	2603
alpha-Chlordane	ND	mg/l	0.00005	1	12/25/02	10:18	Carmichael	8081A	2603
gamma-Chlordane	ND	mg/l	0.00005	1	12/25/02	10:18	Carmichael	8081A	2603
*METALS*									
Arsenic	ND	mg/l	0.0050	1	1/ 2/03	14:31	C. Johnson	6010B	2545
*MISCELLANEOUS CHEMISTRY*									
pH	7.4				12/21/02	8:20	S. Self	9040/150.1	8625

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD HWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207973

Sample ID: EQB-09

Date Collected: 12/16/02

Project: 3778-010-1400

Time Collected: 13:00

Project Name: RED PANTHER

Date Received: 12/18/02

Sampler: CHRIS MILLER

Time Received: 9:00

State Certification:

Sample Type: Ground water

-----  
Sample Extraction Data

Parameter	Rt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
Pesticides	500. ml	5.00 ml	12/23/02		M. Cauthen	3510/608

Surrogate	% Recovery	Target Range
pest surr-TOM	83.	33. - 127.
pest surr-DCB	79.	8. - 133.

LABORATORY COMMENTS:

- ND - Not detected at the report limit.
- B - Analyte was detected in the method blank.
- J - Estimated Value below Report Limit.
- E - Estimated Value above the calibration limit of the instrument.
- / - Recovery outside Laboratory historical or method prescribed limits.

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## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207974

Sample ID: EQB-10

Date Collected: 12/16/02

Project: 37778-010-1400

Time Collected: 14:15

Project Name: RED PANTHER

Date Received: 12/18/02

Sampler: CHRIS MILLER

Time Received: 9:00

State Certification:

Sample Type: Ground water

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
<b>*PESTICIDES/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/l	0.00005	1	12/25/02	10:47	Carmichael	8081A	2603
a-BHC	ND	mg/l	0.00005	1	12/25/02	10:47	Carmichael	8081A	2603
b-BHC	ND	mg/l	0.00005	1	12/25/02	10:47	Carmichael	8081A	2603
d-BHC	ND	mg/l	0.00005	1	12/25/02	10:47	Carmichael	8081A	2603
g-BHC, Lindane	ND	mg/l	0.00005	1	12/25/02	10:47	Carmichael	8081A	2603
4,4'-DOD	ND	mg/l	0.00010	1	12/25/02	10:47	Carmichael	8081A	2603
4,4'-DDE	ND	mg/l	0.00010	1	12/25/02	10:47	Carmichael	8081A	2603
4,4'-DDT	ND	mg/l	0.00010	1	12/25/02	10:47	Carmichael	8081A	2603
Dieldrin	ND	mg/l	0.00010	1	12/25/02	10:47	Carmichael	8081A	2603
Endosulfan I	ND	mg/l	0.00005	1	12/25/02	10:47	Carmichael	8081A	2603
Endosulfan II	ND	mg/l	0.00010	1	12/25/02	10:47	Carmichael	8081A	2603
Endosulfan Sulfate	ND	mg/l	0.00010	1	12/25/02	10:47	Carmichael	8081A	2603
Endrin	ND	mg/l	0.00010	1	12/25/02	10:47	Carmichael	8081A	2603
Endrin Aldehyde	ND	mg/l	0.00010	1	12/25/02	10:47	Carmichael	8081A	2603
Endrin Ketone	ND	mg/l	0.00010	1	12/25/02	10:47	Carmichael	8081A	2603
Heptachlor	ND	mg/l	0.00005	1	12/25/02	10:47	Carmichael	8081A	2603
Heptachlor Epoxide	ND	mg/l	0.00005	1	12/25/02	10:47	Carmichael	8081A	2603
Methoxychlor	ND	mg/l	0.00010	1	12/25/02	10:47	Carmichael	8081A	2603
Toxaphene	ND	mg/l	0.0100	1	12/25/02	10:47	Carmichael	8081A	2603
alpha-Chlordane	ND	mg/l	0.00005	1	12/25/02	10:47	Carmichael	8081A	2603
gamma-Chlordane	ND	mg/l	0.00005	1	12/25/02	10:47	Carmichael	8081A	2603
<b>*METALS*</b>									
Arsenic	ND	mg/l	0.0050	1	1/ 2/03	14:31	C.Johnson	6010B	2545
<b>*MISCELLANEOUS CHEMISTRY*</b>									
pH	7.2				12/21/02	8:20	S. Self	9040/150.1	8625



TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693  
ERENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207974

Sample ID: EQB-10

Date Collected: 12/16/02

Project: 37778-010-1400

Time Collected: 14:15

Project Name: RED PANTHER

Date Received: 12/18/02

Sampler: CHRIS MILLER

Time Received: 9:00

State Certification:

Sample Type: Ground water

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
Pesticides	500. ml	5.00 ml	12/23/02		M. Caithen	3510/605

Surrogate	% Recovery	Target Range
pest surr-TMZ	80.	33. - 127.
pest surr-DCB	64.	8. - 133.

LABORATORY COMMENTS:

- ND - Not detected at the report limit.
- B - Analyte was detected in the method blank.
- J - Estimated Value below Report Limit.
- E - Estimated Value above the calibration limit of the instrument.
- / - Recovery outside Laboratory historical or method prescribed limits.

TEST AMERICA INC  
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Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207975

Sample ID: EQB-11

Date Collected: 12/16/02

Project: 3778-010-1400

Time Collected: 15:10

Project Name: RED PANTHER

Date Received: 12/18/02

Sampler: CHRIS MILLER

Time Received: 9:00

State Certification:

Sample Type: Ground water

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
<b>*PESTICIDES/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/l	0.00005	1	12/25/02	11:15	Carmichael	8081A	2603
a-BHC	ND	mg/l	0.00005	1	12/25/02	11:15	Carmichael	8081A	2603
b-BHC	ND	mg/l	0.00005	1	12/25/02	11:15	Carmichael	8081A	2603
d-BHC	ND	mg/l	0.00005	1	12/25/02	11:15	Carmichael	8081A	2603
g-BHC, Lindane	ND	mg/l	0.00005	1	12/25/02	11:15	Carmichael	8081A	2603
4,4'-DDD	ND	mg/l	0.00010	1	12/25/02	11:15	Carmichael	8081A	2603
4,4'-DDE	ND	mg/l	0.00010	1	12/25/02	11:15	Carmichael	8081A	2603
4,4'-DDT	ND	mg/l	0.00010	1	12/25/02	11:15	Carmichael	8081A	2603
Dieldrin	ND	mg/l	0.00010	1	12/25/02	11:15	Carmichael	8081A	2603
Endosulfan I	ND	mg/l	0.00005	1	12/25/02	11:15	Carmichael	8081A	2603
Endosulfan II	ND	mg/l	0.00010	1	12/25/02	11:15	Carmichael	8081A	2603
Endosulfan Sulfate	ND	mg/l	0.00010	1	12/25/02	11:15	Carmichael	8081A	2603
Endrin	ND	mg/l	0.00010	1	12/25/02	11:15	Carmichael	8081A	2603
Endrin Aldehyde	ND	mg/l	0.00010	1	12/25/02	11:15	Carmichael	8081A	2603
Endrin Ketone	ND	mg/l	0.00010	1	12/25/02	11:15	Carmichael	8081A	2603
Heptachlor	ND	mg/l	0.00005	1	12/25/02	11:15	Carmichael	8081A	2603
Heptachlor Epoxide	ND	mg/l	0.00005	1	12/25/02	11:15	Carmichael	8081A	2603
Methoxychlor	ND	mg/l	0.00010	1	12/25/02	11:15	Carmichael	8081A	2603
Toxaphene	ND	mg/l	0.0100	1	12/25/02	11:15	Carmichael	8081A	2603
alpha-Chlordane	ND	mg/l	0.00005	1	12/25/02	11:15	Carmichael	8081A	2603
gamma-Chlordane	ND	mg/l	0.00005	1	12/25/02	11:15	Carmichael	8081A	2603
<b>*METALS*</b>									
Arsenic	ND	mg/l	0.0050	1	1/ 2/03	14:31	C. Johnson	6010B	2545
<b>**MISCELLANEOUS CHEMISTRY*</b>									
pH	7.5				12/21/02	8:25	S. Self	9040/150.1	8625

TEST AMERICA INC  
 2960 Foster Creighton Drive  
 Nashville, Tennessee 37204

ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693  
 BRENT JACOBS  
 5900 WINDWARD PKWY. STE. 400  
 ALPHARETTA, GA 30005

Lab Number: 02-A207975

Sample ID: EQB-11

Date Collected: 12/16/02

Project: 37778-010-1400

Time Collected: 15:10

Project Name: RED PANTHER

Date Received: 12/18/02

Sampler: CHRIS MILLER

Time Received: 9:00

State Certification:

Sample Type: Ground water

-----  
 Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
Pesticides	500. ml	5.00 ml	12/23/02		M. Cauthen	3510/608

Surrogate	% Recovery	Target Range
pest surr-TOMX	85.	33. - 127.
pest surr-DCB	72.	8. - 133.

LABORATORY COMMENTS:

- ND - Not detected at the report limit.
- B - Analyte was detected in the method blank.
- J - Estimated Value below Report Limit.
- E - Estimated Value above the calibration limit of the instrument.
- f - Recovery outside Laboratory historical or method prescribed limits.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

ERENT JACOBS

5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207976

Sample ID: EQB-12

Date Collected: 12/17/02

Project: 37778-010-1400

Time Collected: 8:15

Project Name: RED PANTHER

Date Received: 12/18/02

Sampler: CHRIS MILLER

Time Received: 9:00

State Certification:

Sample Type: Ground water

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
<b>*PESTICIDES/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/l	0.00005	1	12/25/02	11:44	Carmichael	8081A	2603
a-BHC	ND	mg/l	0.00005	1	12/25/02	11:44	Carmichael	8081A	2603
b-BHC	ND	mg/l	0.00005	1	12/25/02	11:44	Carmichael	8081A	2603
d-BHC	ND	mg/l	0.00005	1	12/25/02	11:44	Carmichael	8081A	2603
g-BHC, Lindane	ND	mg/l	0.00005	1	12/25/02	11:44	Carmichael	8081A	2603
4,4'-DDD	ND	mg/l	0.00010	1	12/25/02	11:44	Carmichael	8081A	2603
4,4'-DDE	ND	mg/l	0.00010	1	12/25/02	11:44	Carmichael	8081A	2603
4,4'-DDT	ND	mg/l	0.00010	1	12/25/02	11:44	Carmichael	8081A	2603
Dieldrin	ND	mg/l	0.00010	1	12/25/02	11:44	Carmichael	8081A	2603
Endosulfan I	ND	mg/l	0.00005	1	12/25/02	11:44	Carmichael	8081A	2603
Endosulfan II	ND	mg/l	0.00010	1	12/25/02	11:44	Carmichael	8081A	2603
Endosulfan Sulfate	ND	mg/l	0.00010	1	12/25/02	11:44	Carmichael	8081A	2603
Endrin	ND	mg/l	0.00010	1	12/25/02	11:44	Carmichael	8081A	2603
Endrin Aldehyde	ND	mg/l	0.00010	1	12/25/02	11:44	Carmichael	8081A	2603
Endrin Ketone	ND	mg/l	0.00010	1	12/25/02	11:44	Carmichael	8081A	2603
Heptachlor	ND	mg/l	0.00005	1	12/25/02	11:44	Carmichael	8081A	2603
Heptachlor Epoxide	ND	mg/l	0.00005	1	12/25/02	11:44	Carmichael	8081A	2603
Methoxychlor	ND	mg/l	0.00010	1	12/25/02	11:44	Carmichael	8081A	2603
Toxaphene	ND	mg/l	0.0100	1	12/25/02	11:44	Carmichael	8081A	2603
alpha-Chlordane	ND	mg/l	0.00005	1	12/25/02	11:44	Carmichael	8081A	2603
gamma-Chlordane	ND	mg/l	0.00005	1	12/25/02	11:44	Carmichael	8081A	2603
<b>*METALS*</b>									
Arsenic	ND	mg/l	0.0050	1	1/ 2/03	14:31	C. Johnson	6010B	2545
<b>*MISCELLANEOUS CHEMISTRY*</b>									
pH	7.3				12/21/02	8:25	S. Self	9040/150.1	8625

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693

BRENT JACOBS

5900 WINDWARD PKWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A207976

Sample ID: EQB-12

Date Collected: 12/17/02

Project: 37778-010-1400

Time Collected: 8:15

Project Name: RED PANTHER

Date Received: 12/18/02

Sampler: CHRIS MILLER

Time Received: 9:00

State Certification:

Sample Type: Ground water

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
Pesticides	500. ml	5.00 ml	12/23/02		M. Cauthen	3510/608

Surrogate	X Recovery	Target Range
pest surr-TOMX	83.	33. - 127.
pest surr-DCB	70.	8. - 133.

LABORATORY COMMENTS:

- ND - Not detected at the report limit.
- B - Analyte was detected in the method blank.
- J - Estimated Value below Report Limit.
- E - Estimated Value above the calibration limit of the instrument.
- f - Recovery outside Laboratory historical or method prescribed limits.

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

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URS 2693  
BRENT JACOBS  
5900 WINDWARD PKWY. STE. 400  
ALPHARETTA, GA 30005

Lab Number: 02-A207977

Sample ID: EQB-13 Date Collected: 12/17/02

Project: 37778-010-1400 Time Collected: 9:45

Project Name: RED PANTHER Date Received: 12/18/02

Sampler: CHRIS MILLER Time Received: 9:00

State Certification: Sample Type: Ground water

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
<b>*PESTICIDES/PCB's/HERBICIDES*</b>									
Aldrin	ND	mg/l	0.00005	1	12/25/02	12:13	Carmichael	8081A	2603
a-BHC	ND	mg/l	0.00005	1	12/25/02	12:13	Carmichael	8081A	2603
b-BHC	ND	mg/l	0.00005	1	12/25/02	12:13	Carmichael	8081A	2603
d-BHC	ND	mg/l	0.00005	1	12/25/02	12:13	Carmichael	8081A	2603
g-BHC, Lindane	ND	mg/l	0.00005	1	12/25/02	12:13	Carmichael	8081A	2603
4,4'-DDD	ND	mg/l	0.00010	1	12/25/02	12:13	Carmichael	8081A	2603
4,4'-DDE	ND	mg/l	0.00010	1	12/25/02	12:13	Carmichael	8081A	2603
4,4'-DDT	ND	mg/l	0.00010	1	12/25/02	12:13	Carmichael	8081A	2603
Dieldrin	ND	mg/l	0.00010	1	12/25/02	12:13	Carmichael	8081A	2603
Endosulfan I	ND	mg/l	0.00005	1	12/25/02	12:13	Carmichael	8081A	2603
Endosulfan II	ND	mg/l	0.00010	1	12/25/02	12:13	Carmichael	8081A	2603
Endosulfan Sulfate	ND	mg/l	0.00010	1	12/25/02	12:13	Carmichael	8081A	2603
Endrin	ND	mg/l	0.00010	1	12/25/02	12:13	Carmichael	8081A	2603
Endrin Aldehyde	ND	mg/l	0.00010	1	12/25/02	12:13	Carmichael	8081A	2603
Endrin Ketone	ND	mg/l	0.00010	1	12/25/02	12:13	Carmichael	8081A	2603
Heptachlor	ND	mg/l	0.00005	1	12/25/02	12:13	Carmichael	8081A	2603
Heptachlor Epoxide	ND	mg/l	0.00005	1	12/25/02	12:13	Carmichael	8081A	2603
Methoxychlor	ND	mg/l	0.00010	1	12/25/02	12:13	Carmichael	8081A	2603
Toxaphene	ND	mg/l	0.0100	1	12/25/02	12:13	Carmichael	8081A	2603
alpha-Chlordane	ND	mg/l	0.00005	1	12/25/02	12:13	Carmichael	8081A	2603
gamma-Chlordane	ND	mg/l	0.00005	1	12/25/02	12:13	Carmichael	8081A	2603
<b>*METALS*</b>									
Arsenic	ND	mg/l	0.0050	1	1/ 2/03	14:31	C.Johnson	6010B	2545
<b>*MISCELLANEOUS CHEMISTRY*</b>									
pH	6.3				12/21/02	8:30	S. Self	9040/150.1	8625

TEST AMERICA INC  
2960 Foster Creighton Drive  
Nashville, Tennessee 37204

## ANALYTICAL REPORT

\*\* Original report and a copy of the chain of custody will follow by mail.

URS 2693

ERENT JACOBS

5900 WINDWARD HWY. STE. 400

ALPHARETTA, GA 30005

Lab Number: 02-A207977

Sample ID: EQB-13

Date Collected: 12/17/02

Project: 37778-010-1400

Time Collected: 9:45

Project Name: RED PANTHER

Date Received: 12/18/02

Sampler: CHRIS MILLER

Time Received: 9:00

State Certification:

Sample Type: Ground water

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
Pesticides	500. ml	5.00 ml	12/23/02		M. Cauthen	3510/608

Surrogate	X Recovery	Target Range
pest surr-TOMX	83.	33. - 127.
pest surr-DCB	73.	8. - 133.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

E - Estimated Value above the calibration limit of the instrument.

# - Recovery outside Laboratory historical or method prescribed limits.



Weston Solutions, Inc.  
5430 Metric Place, Suite 100  
Norcross, GA 30092  
(770) 325-7900

December 22, 2005

Mr. Steve Spurlin  
On-Scene Coordinator  
U.S. Environmental Protection Agency, Region 4  
Ed Jones Federal Building  
109 South Highland Avenue B13  
Jackson, TN 38301

Subject: **Final Removal Assessment Letter Report**  
**18<sup>th</sup> Street Neighborhood**  
**EPA Contract No. 68-W-00-123**  
**Technical Direction Document (TDD) No. 4W-05-07-A-008**  
**Document Control No. WSI-ESN-0010**

Dear Mr. Spurlin:

Weston Solutions, Inc., Superfund Technical Assessment and Response Team - 2 (START-2) is submitting one copy of the Final Removal Assessment Letter Report for the 18<sup>th</sup> Street Neighborhood site located in Clarksdale, Coahoma County, Mississippi.

Please contact me at (770) 325-7968 or Greg Harper at (770) 325-7972 if you have any questions or comments regarding this letter report.

Sincerely,  
Weston Solutions, Inc.

A handwritten signature in black ink, appearing to read "Timothy J. Maher".

Timothy J. Maher  
START-2 Project Manager

Enclosure

cc: Karen Knight, EPA Project Officer  
Debbie Hoover, EPA Contracting Officer  
Joseph Baer, START-2 Program Manager (w/o enclosure)  
Greg Harper, START-2 Emergency Response/Removal Coordinator (w/o enclosure)  
START-2 File



**FINAL REMOVAL ASSESSMENT  
LETTER REPORT**

**18<sup>th</sup> STREET NEIGHBORHOOD  
CLARKSDALE, COAHOMA COUNTY, MISSISSIPPI**

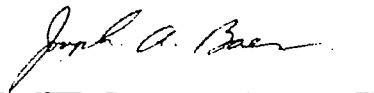
**Revision 0**

**Prepared for**

**U.S. ENVIRONMENTAL PROTECTION AGENCY  
Region 4  
Atlanta, Georgia 30303**

Contract No.	:	68-W-00-123
TDD No.	:	4W-05-07-A-008
DCN	:	WSI-ESN-0010
Work Order No.	:	12587.001.001.0327.00
Date Prepared	:	December 22, 2005
EPA Work Assignment Manager	:	Steve Spurlin
Telephone No.	:	731-422-0101
Prepared by	:	Weston Solutions, Inc. - START-2
START Project Manager	:	Timothy J. Maher
Telephone No.	:	770-325-7968

Approved:



Joseph A. Baer  
START -2 Program Manager

## CONTENTS

<u>Section</u>	<u>Page</u>
1.0 INTRODUCTION .....	1
2.0 SITE BACKGROUND .....	1
2.1 SITE DESCRIPTION AND HISTORY .....	1
2.2 REGIONAL GEOLOGY AND HYDRO GEOLOGY .....	1
2.3 PREVIOUS INVESTIGATIONS .....	3
2.4 POTENTIAL CONTAMINATION SOURCES .....	3
3.0 FIELD ACTIVITIES .....	3
3.1 SURFACE SOIL SAMPLING .....	4
3.2 MUNICIPAL WELL WATER SAMPLING .....	5
3.3 SEDIMENT SAMPLING .....	5
4.0 ANALYTICAL SUMMARY .....	5
5.0 CONCLUSIONS .....	6
REFERENCES .....	7

## APPENDICES

APPENDIX A - Figures

APPENDIX B - Tables

APPENDIX C - Logbook Notes

APPENDIX D - Photographic Log

APPENDIX E - Analytical data

## 1.0 INTRODUCTION

The U.S. Environmental Protection Agency (EPA) tasked Weston Solutions, Inc. (Weston) Superfund Technical Assessment and Response Team - 2 (START-2) to conduct municipal well water and soil sampling at the 18<sup>th</sup> Street Neighborhood site and sediment sampling of the Sunflower River, under Contract No. 68-W-00-123, Technical Direction Document No. 4W-05-07-A-008. The purpose of the sampling event was to characterize the nature, and extent, of contamination in the municipal well water, the soils at the site, and the sediment in the Sunflower River. All activities described in this Draft Letter Report were conducted in accordance with the approved Weston Quality Management Plan (QMP) (Ref. 1).

## 2.0 SITE BACKGROUND

This section describes previous investigations and source areas at the site.

### 2.1 SITE DESCRIPTION AND HISTORY

The 18<sup>th</sup> Street Neighborhood (the site) is a residential area located to the west of the Red Panther Chemical site in Clarksdale, Coahoma County, Mississippi (see Fig. 2 in Appendix A). The site consists of single family dwellings on approximately one-quarter acre lots. The area of interest included properties on 14<sup>th</sup>, 15<sup>th</sup>, 16<sup>th</sup>, 17<sup>th</sup>, 18<sup>th</sup>, 19<sup>th</sup> and West Tallahatchie Streets (Fig. 3 in Appendix A). In addition, the storm water outfall in the Sunflower River is a concern. Wastewater from the Red Panther Chemical site was routinely released into storm drains leading to the river.

### 2.2 REGIONAL GEOLOGY AND HYDRO GEOLOGY

The site is located in the East Gulf Coastal Plain physiographic province (Refs. 4; 5). The site is underlain in descending stratigraphic order by alluvium and terrace deposits, the Sparta Sand, and the Zilpha Clay (Refs. 4; 5; 6; 8).

The alluvium and terrace deposits directly underlie the property. The alluvium is the product of large-scale

erosion and deposition during several periods of glaciation and melting. As the sea levels gradually rose, gradients decreased, aggradation began, and the eroded valley filled with gravel, sand, silt, and clay. The upper portion of the alluvium is composed predominantly of clay and silt. The basal portion is composed of coarse sand and gravel. The alluvium ranges from approximately 125 to 150 feet thick in Clarksdale. The thickness of the coarse sand and gravel within the alluvium in Clarksdale ranges from 75 to 100 feet (Ref. 6).

The Sparta Sand underlies the alluvium and is composed of sand and clay. The maximum thickness of the Sparta is 700 feet; however, in Clarksdale, it is approximately 300 feet thick (Refs. 8; 9). The Zilpha Clay underlies the Sparta Sand in the vicinity of the property and is composed of clay with small amounts of sand. The Zilpha is approximately 100 feet thick in Clarksdale (Refs. 8; 9).

The alluvial aquifer is composed of the alluvial deposits and underlies a 7,000-square mile area of the Mississippi alluvial plain in northwestern Mississippi, including the city of Clarksdale. The alluvial aquifer is the most heavily pumped aquifer in the state and wells yielding more than 2,000 gallons per minute are common. Approximately 98 percent of the pumpage from the alluvial aquifer is for agriculture. The aquifer is confined over most of the Delta and the upper confining unit is approximately 25 feet thick. The average depth to water in the aquifer ranges seasonally from approximately 20 to 25 feet below land surface. The hydraulic conductivity of the alluvial aquifer ranges from 130 to 400 feet per day. Groundwater flow in the alluvial aquifer at the property is generally west toward the Mississippi River, unless the stage of the River is higher than the potentiometric surface of the aquifer in which case, the flow is reversed. The alluvial aquifer receives lateral recharge at the western boundary from the Mississippi River and at the eastern boundary from aquifers that directly underlie the Bluff Hills. The aquifer receives recharge vertically from the infiltration of precipitation, internal streams and lakes, and locally from the Cockfield and Sparta aquifers where they directly underlie the alluvium. The alluvial aquifer also discharges water to the underlying aquifers, and during extended periods with no surface runoff, to the Mississippi River and the internal lakes and streams (Ref. 8).

Municipal groundwater in Clarksdale is obtained from the Sparta aquifer, also referred to as the Middle Claiborne aquifer, which underlies the alluvial aquifer and is composed of the Sparta Sand and is confined by the underlying Zilpha Clay (Refs. 4; 9). The aquifer system is approximately 400 feet thick in the vicinity of Clarksdale (Ref. 9). The water level in the Sparta aquifer fluctuates based on pumpage and recharge, but averages approximately 200 feet below mean sea level in Clarksdale. Groundwater flow is generally west toward the Mississippi River (Ref. 9).

### 2.3 PREVIOUS INVESTIGATIONS

At the time of the sampling event, no information was available on any previous investigations of the 18<sup>th</sup> Street Neighborhood area.

### 2.4 POTENTIAL CONTAMINATION SOURCES

The Red Panther Chemical facility operated as a pesticide formulation plant between 1949 and 1978 producing liquid and dry herbicides, insecticides, and fungicides. A variety of chemicals were used in the formulation process including, but not limited to, toxaphene, aldrin, arsenic and DDT. During its operational period, wastewater from the formulating process was routinely released, resulting in contamination of the property with a wide variety of pesticides and arsenic. This wastewater, along with rainwater from this site, ran into storm drains that empty directly into the Sunflower River.

## 3.0 FIELD ACTIVITIES

On July 27, 2005, START-2 mobilized to Clarksdale, Mississippi, to assist EPA Public Relations Officer, Sherryl Carbonaro, with investigating the 18<sup>th</sup> Street Neighborhood to assess which properties were likely to be sampled. START-2 visited the local Tax Assessors office to determine ownership of the properties, for obtaining access agreements from the owners of those properties. During this investigation, fliers were distributed throughout the neighborhood informing the residents of a Public Relations meeting to be held at

the Booker T. Washington Elementary School, from 6:30 to 8:30 P.M., on August 10, 2005. This meeting was held to inform the residents in the area of the reason for the work, the type of work to be performed, and allow any questions or comments to be addressed.

On August 8, 2005, START-2 mobilized to the 18<sup>th</sup> Street Neighborhood site to begin sampling activities. All samples were collected in accordance with the Site Specific Sampling Plan, submitted under separate cover (Ref. 10). The following sections detail the activities conducted at the site during the sampling event.

### 3.1 SURFACE SOIL SAMPLING

On August 9, 2005, START-2 began collecting samples in the 18<sup>th</sup> Street Neighborhood. Composite samples were collected from five residences on 16<sup>th</sup> Street, three residences on 17<sup>th</sup> Street, two residences on 18<sup>th</sup> Street, and five residences on 19<sup>th</sup> Street.

On August 10, 2005, START-2 continued sample collections in the 18<sup>th</sup> Street Neighborhood. Composite samples were collected from four residences on 14<sup>th</sup> Street, six residences on 15<sup>th</sup> Street, one residence on 18<sup>th</sup> Street, one residence on 19<sup>th</sup> Street, and three residences on West Tallahatchie Street. A background sample was also collected from the B.F. McLaurin Park on Sunflower Avenue, near the intersection of 6<sup>th</sup> Street, located approximately one half mile north of the 18<sup>th</sup> Street Neighborhood.

A total of thirty residential properties was sampled during these activities. The background sample from the B.F. McLaurin Park was collected as a reference point to determine what direct impact the Red Panther Chemical site might have had on the neighborhood. The sample designations, the corresponding residences, and the analytical results for pesticides and inorganics are presented as Tables 1 and 2, respectively, in Appendix B.

### 3.2 MUNICIPAL WELL WATER SAMPLING

On August 10, 2005, START-2 contacted the supervisor of the Clarksdale Public Utilities Wastewater Treatment facility, located on Sunflower Avenue, to obtain permission for sampling municipal groundwater wells in the area of the 18<sup>th</sup> Street Neighborhood. Four active municipal groundwater supply wells were sampled. Of these four wells, two were shallow wells (approximately 600 feet deep) and two were deep wells (approximately 1,000 feet deep). The Public Water System (PWS) code, the Clarksdale Public Utilities (CPU) code, the corresponding sample designation, and the analytical results for pesticides and inorganics are presented as Table 3 in Appendix B.

### 3.3 SEDIMENT SAMPLING

START-2 was tasked with collecting three sediment samples from the Sunflower River. A storm water drain runs directly from the Red Panther Chemical site, under the 18<sup>th</sup> Street Neighborhood site, to the Sunflower River. After investigating the river bank for access points to collect the samples, EPA Task Monitor, Steve Spurlin, decided that there were no suitable places to safely obtain the sediment samples. Mr. Spurlin indicated that further investigation was necessary to determine the best way to collect these sediment samples at a future date.

## 4.0 ANALYTICAL SUMMARY

START-2 mobilized to the property on August 8, 2005 to begin sampling activities the morning of August 9, 2005. All samples were collected in accordance with procedures documented in the EPA Region 4 *Environmental Investigation Standard Operating Procedure and Quality Assurance Manual* (EISOPQAM) and the EPA Region 4 ERRB QAPP. A total of thirty-one residential properties and four municipal groundwater wells were sampled during the activities described in the sections above. All of the samples were sent to an assigned laboratory for analysis through the EPA's Superfund Analytical Services, Contracted Laboratory Program (CLP). The samples were analyzed for pesticides, aluminum, arsenic, and

iron.

Of the thirty-one properties sampled, twenty-five resulted in pesticide levels above the standard quantization limit (SQL) or three times higher than the levels found in the background sample. Constituents found to exceed three times the background levels include, but are not limited to, DDT, DDE, DDD, and Dieldrin. None of the samples from the residential properties were found to exceed the SQL or three times the background levels for aluminum, arsenic, or iron.

There were undetectable levels of pesticides, arsenic and aluminum, in all four of the municipal water well samples. The metals analysis for the two deep wells showed trace amounts of iron, 0.76 milligrams per liter (mg/L) and 0.038 mg/L. The analysis for the shallow wells showed slightly elevated levels, 9 mg/L and 3 mg/L.

## 5.0 CONCLUSIONS

The standard quantization limit (SQL) for pesticides in the data analysis is an extremely low value. The pesticides that exceeded the SQL or were greater than three times the level found in the background sample, are present in some levels in typical agricultural areas such as Coahoma County. The source of these pesticides is not clear at this time.

All of the municipal water well samples taken had no detectable levels of pesticides present. The water samples taken from the deep wells, which supplies potable water to the community, had only trace amounts of iron present. The water from the shallow wells, which is primarily used for irrigation, also had levels of iron present. All of the water samples were collected prior to any filtration or treatment.

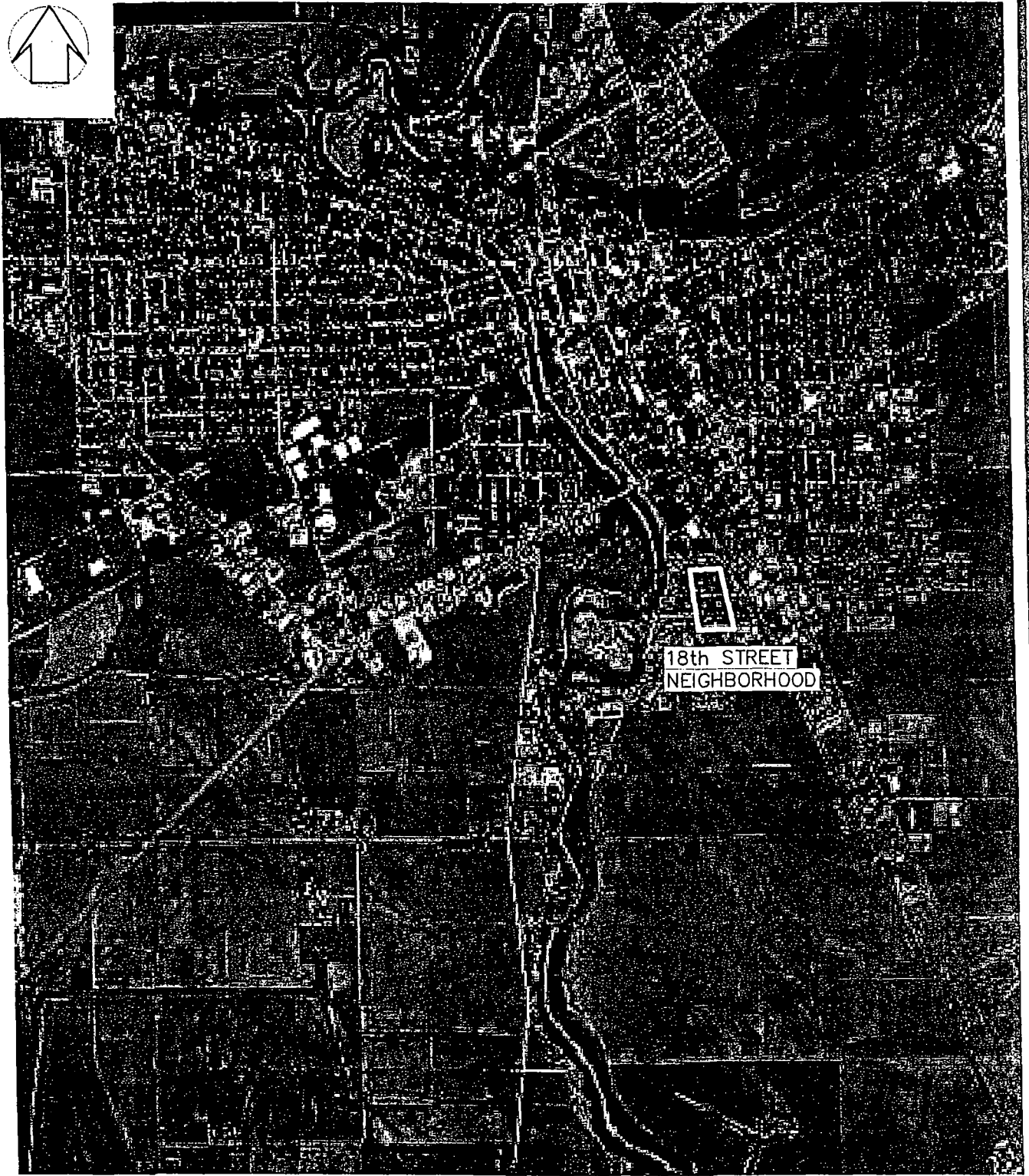
The EPA Site Evaluation program plans to conduct a Reassessment at the Red Panther Superfund Site. EPA will utilize the data generated from the 18th Street investigation and the Red Panther Superfund removal action to conduct an analysis of potential long term threat to human health and the environment.



## REFERENCES

1. Roy F. Weston, Inc. (Weston Solutions, Inc.). Quality Management Plan (QMP). May 2000.
2. U.S. Environmental Protection Agency (EPA), Science and Ecosystem Support Division (SESD). Region 4 *Environmental Investigation Standard Operating Procedures and Quality Assurance Manual* (EISOPQAM). May 1996.
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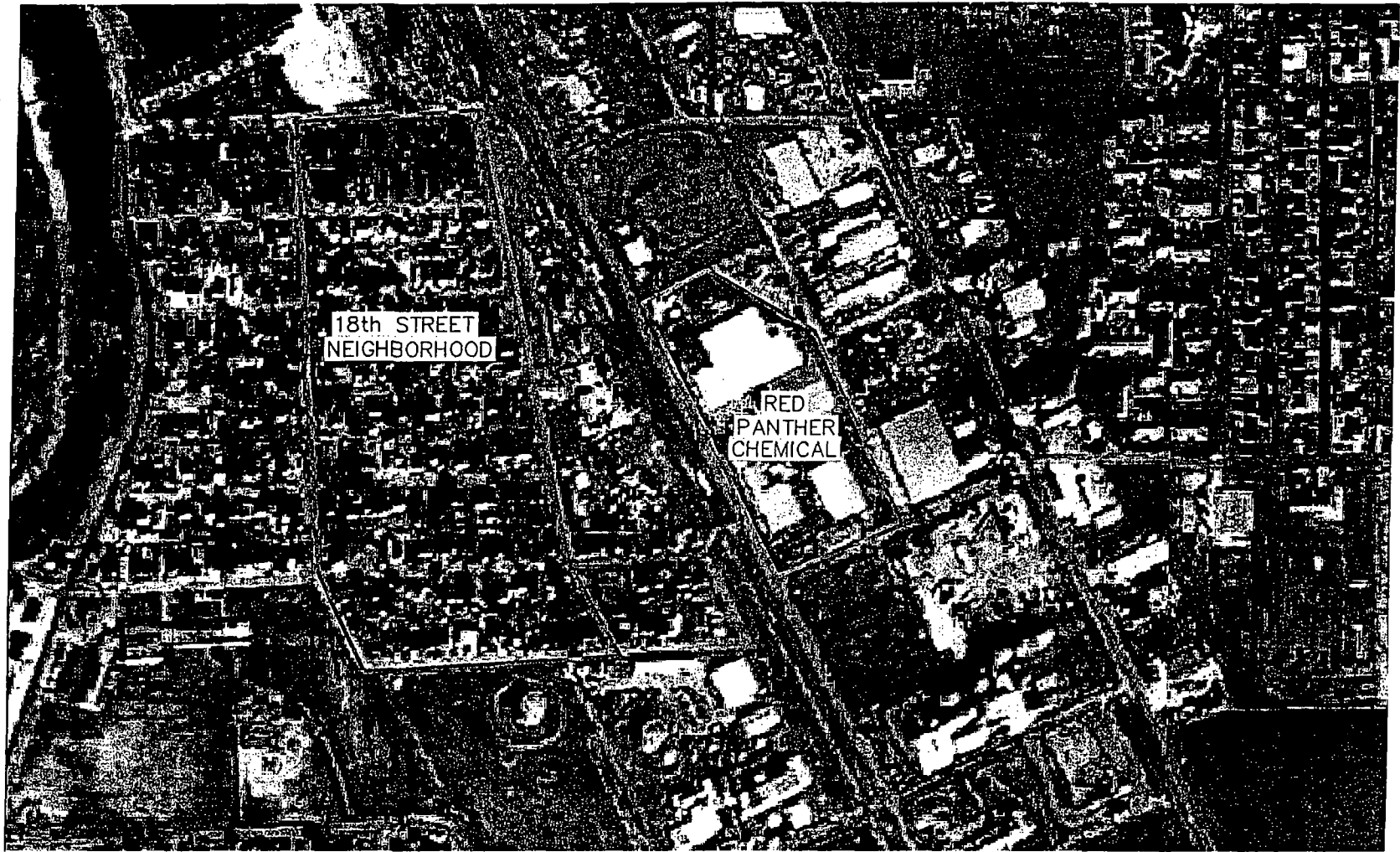
**APPENDIX A**  
**Figures**



18th STREET  
NEIGHBORHOOD

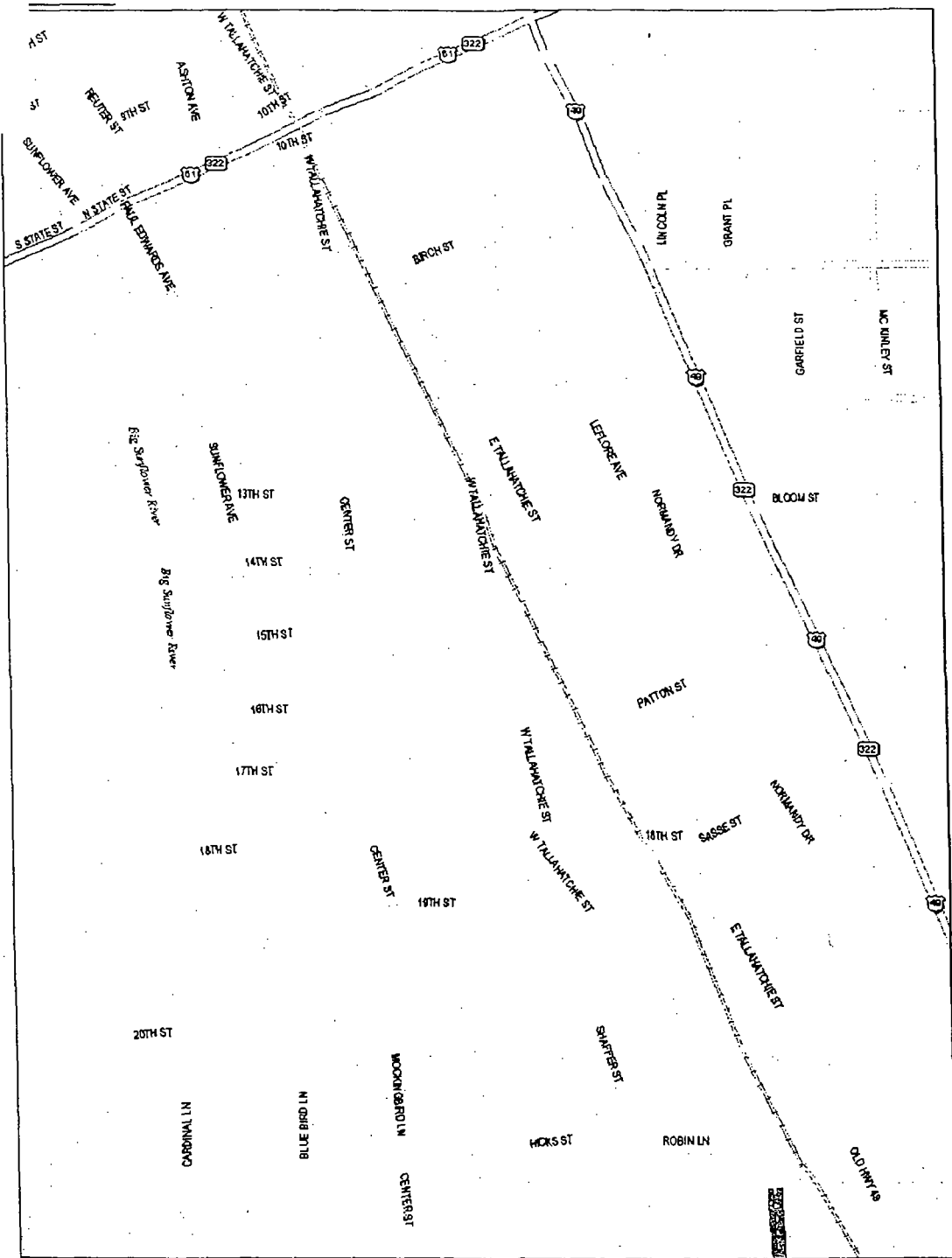
GENERAL SITE LOCATION



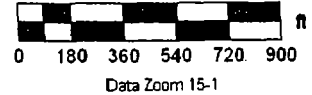


REFERENCED SITE LOCATION





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 www.delorme.com



Data Zoom 15-1

### DETAILED STREET MAP



**APPENDIX B**  
**Tables**

Table 1  
 Summary of Pesticides Analytical Results  
 Surface Soil Samples  
 18th Street Neighborhood  
 Clarksdale, Coahoma County, Mississippi

Address	BF McLaurin Park	205 19th Street	207 19th Street	211 19th Street	213 19th Street	223 19th Street	225 18th Street	218 18th Street	133 17th Street
Analyte	Background SN-01-SS	SN-02-SS	SN-03-SS	SN-04-SS	SN-05-SS	SN-06-SS	SN-07-SS	SN-08-SS	SN-09-SS
<b>Pesticides (mg/kg)</b>									
Heptachlor	0.0018 U	--	--	--	--	--	--	--	--
Heptachlor Epoxide	0.0018 U	--	--	--	--	--	<b>0.0062 N</b>	--	--
alpha-BHC	0.0018 U	--	--	--	--	--	--	--	--
beta-BHC	0.0018 U	--	--	--	--	0.0024	0.0047 N	--	--
gamma-BHC (Lindane)	0.0018 U	--	--	--	--	--	--	--	--
delta-BHC	0.0018 U	--	--	--	--	--	--	--	--
Dieldrin	0.0035 U	0.0073 N	--	<b>0.023 N</b>	<b>0.042</b>	<b>0.058</b>	<b>0.20</b>	<b>0.36</b>	--
4,4'-DDT (p,p'-DDT)	0.022 N	0.031	0.049 N	0.059	<b>0.12</b>	<b>0.18</b>	<b>0.38</b>	<b>0.78 N</b>	0.010
4,4'-DDE (p,p'-DDE)	0.015	0.014	<b>0.058</b>	<b>0.058</b>	<b>0.078</b>	<b>0.19</b>	<b>0.54</b>	<b>0.50</b>	0.0042
4,4'-DDD (p,p'-DDD)	0.0035 U	--	--	--	<b>0.014 N</b>	--	--	<b>0.064</b>	--
Endrin	0.0035 U	--	--	--	--	--	--	--	--
Endosulfan II (beta)	0.0035 U	--	--	--	--	--	--	<b>0.57</b>	--
Endosulfan Sulfate	0.0035 U	--	--	--	--	--	--	<b>0.66 N</b>	--
Toxaphene	0.18 U	--	--	--	--	--	--	--	--
Endrin Aldehyde	0.0035 U	--	--	--	--	--	--	--	--
gamma-Chlordane /2	0.0018 U	--	--	--	--	--	<b>0.0078 N</b>	<b>0.085 N</b>	--
alpha-Chlordane /2	0.0018 U	--	--	--	--	--	<b>0.0052</b>	<b>0.093 N</b>	--
Methoxychlor	0.0180 U	--	--	--	--	--	--	--	--

**Notes:**

- SN Street Neighborhood
  - SS Surface Soil
  - mg/kg milligrams per kilogram
  - U The analyte was not detected. The value provided is the Sample Quantization Limit.
  - N Tentative identification
  - The analyte was not detected
  - Bold** Constituent is elevated above SQL and 3 times above background
  - NL Not Listed
  - J Estimated value.
- BF McLaurin Park is located on Sunflower Ave. near the corner of 6th Street

Table 1(continued)  
 Summary of Pesticides Analytical Results  
 Surface Soil Samples  
 18th Street Neighborhood  
 Clarksdale, Coahoma County, Mississippi

Address	BF McLaurin Park	136 17th Street	136 17th Street	138 17th Street	132 16th Street	135 16th Street	137 16th Street	142 16th Street	139 16th Street
Analyte	Background SN-01-SS	SN-10-SS	SN-10D-SS	SN-11-SS	SN-12-SS	SN-13-SS	SN-14-SS	SN-15-SS	SN-16-SS
<b>Pesticides (mg/kg)</b>									
Heptachlor	0.0018 U	--	--	0.0044 N	--	--	--	--	--
Heptachlor Epoxide	0.0018 U	--	--	--	--	--	--	--	--
alpha-BHC	0.0018 U	--	--	--	--	--	--	--	--
beta-BHC	0.0018 U	--	--	--	--	--	--	--	--
gamma-BHC (Lindane)	0.0018 U	--	--	--	--	--	--	--	--
delta-BHC	0.0018 U	--	--	--	--	--	--	--	--
Dieldrin	0.0035 U	0.0087 NJ	0.0046 NJ	0.077	--	--	--	--	--
4,4'-DDT (p,p'-DDT)	0.022 N	0.0032 J	0.0019 NJ	0.16	0.25 N	0.04	0.18 N	0.11 NJ	--
4,4'-DDE (p,p'-DDE)	0.015	0.0031 J	0.0018 J	0.16	0.17	0.32	0.17	0.11 J	0.073
4,4'-DDD (p,p'-DDD)	0.0035 U	--	--	0.019	--	--	0.0098 N	--	--
Endrin	0.0035 U	--	--	--	--	--	--	0.012 J	--
Endosulfan II (beta)	0.0035 U	--	--	--	--	--	--	--	--
Endosulfan Sulfate	0.0035 U	--	--	--	--	0.007	--	--	--
Toxaphene	0.18 U	--	--	--	4.5	--	--	--	--
Endrin Aldehyde	0.0035 U	--	--	--	--	--	--	--	--
gamma-Chlordane /2	0.0018 U	--	--	0.11	0.0068 N	0.044	--	--	--
alpha-Chlordane /2	0.0018 U	--	--	0.10	--	0.053	0.0031 N	--	--
Methoxychlor	0.0180 U	--	--	--	--	--	--	--	0.023 N

Notes:

- SN Street Neighborhood
  - SS Surface Soil
  - mg/kg milligrams per kilogram
  - U The analyte was not detected. The value provided is the Sample Quantization Limit.
  - N Tentative identification
  - The analyte was not detected
  - Bold** Constituent is elevated above SQL and 3 times above background
  - NL Not Listed
  - J Estimated value.
- BF McLaurin Park is located on Sunflower Ave. near the corner of 6th Street



Table 1(continued)  
 Summary of Pesticides Analytical Results  
 Surface Soil Samples  
 18th Street Neighborhood  
 Clarksdale, Coahoma County, Mississippi

Address	BF McLaurin Park	133 15th Street	138 15th Street	140 15th Street	143 15th Street	143 15th Street	134 15th Street	116 14th Street	118 14th Street
Analyte	Background SN-01-SS	SN-17-SS	SN-18-SS	SN-19-SS	SN-20-SS	SN-20D-SS	SN-21-SS	SN-22-SS	SN-23-SS
<b>Pesticides (mg/kg)</b>									
Heptachlor	0.0018 U	--	--	0.020 NJ	--	--	--	--	--
Heptachlor Epoxide	0.0018 U	--	0.014 N	--	--	--	0.0046	--	--
alpha-BHC	0.0018 U	--	--	--	--	--	--	--	--
beta-BHC	0.0018 U	--	--	--	--	--	--	--	--
gamma-BHC (Lindane)	0.0018 U	--	--	--	--	--	--	--	--
delta-BHC	0.0018 U	--	--	--	--	--	--	--	--
Dieldrin	0.0035 U	--	--	0.049 NJ	0.01	0.0088 N	0.38	--	--
4,4'-DDT (p,p'-DDT)	0.022 N	0.073 NJ	0.38 N	0.30 J	0.016 N	0.037 N	0.38	0.029 N	0.016 N
4,4'-DDE (p,p'-DDE)	0.015	0.045 J	0.28	0.26 J	0.016	0.043	0.27	0.026	0.0099
4,4'-DDD (p,p'-DDD)	0.0035 U	--	0.019	0.02 NJ	--	--	0.020	--	--
Endrin	0.0035 U	--	0.0072	--	--	--	--	--	--
Endosulfan II (beta)	0.0035 U	--	--	--	--	--	--	--	--
Endosulfan Sulfate	0.0035 U	--	--	--	--	--	--	--	--
Toxaphene	0.18 U	--	--	--	--	--	--	--	--
Endrin Aldehyde	0.0035 U	--	--	--	--	--	--	--	--
gamma-Chlordane /2	0.0018 U	--	0.029	0.062 J	--	--	--	--	--
alpha-Chlordane /2	0.0018 U	--	--	0.032 NJ	--	--	0.0061	--	--
Methoxychlor	0.0180 U	--	--	--	--	--	--	--	--

**Notes:**

- SN Street Neighborhood
  - SS Surface Soil
  - mg/kg milligrams per kilogram
  - U The analyte was not detected. The value provided is the Sample Quantization Limit.
  - N Tentative identification
  - The analyte was not detected
  - Bold** Constituent is elevated above SQL and 3 times above background
  - NL Not Listed
  - J Estimated value.
- BF McLaurin Park is located on Sunflower Ave. near the corner of 6th Street

Table 1(continued)  
 Summary of Pesticides Analytical Results  
 Surface Soil Samples  
 18th Street Neighborhood  
 Clarksdale, Coahoma County, Mississippi

Address	BF McLaurin Park	133 14th Street	135 15th Street	1311 W. Tallahatchie Street	1509 W. Tallahatchie Street	1509 1/2 W. Tallahatchie Street	130 14th Street	215 18th Street	159 19th Street
Analyte	Background SN-01-SS	SN-24-SS	SN-25-SS	SN-26-SS	SN-27-SS	SN-28-SS	SN-29-SS	SN-30-SS	SN-31-SS
<b>Pesticides (mg/kg)</b>									
Heptachlor	0.0018 U	--	--	--	--	--	--	--	--
Heptachlor Epoxide	0.0018 U	--	--	--	--	--	--	--	--
alpha-BHC	0.0018 U	--	--	0.0044	--	--	--	--	--
beta-BHC	0.0018 U	--	--	0.025	--	--	--	--	--
gamma-BHC (Lindane)	0.0018 U	--	--	0.0033 N	--	--	--	--	--
delta-BHC	0.0018 U	--	--	0.0021	--	--	--	--	--
Dieldrin	0.0035 U	<b>0.076 N</b>	--	--	<b>0.01 N</b>	--	<b>0.036</b>	<b>0.042</b>	<b>0.032</b>
4,4'-DDT (p,p'-DDT)	0.022 N	<b>0.22</b>	<b>0.085 N</b>	<b>0.24</b>	<b>0.12</b>	0.028 J	<b>0.11</b>	<b>0.4</b>	<b>0.11</b>
4,4'-DDE (p,p'-DDE)	0.015	<b>0.15</b>	<b>0.082</b>	<b>0.18</b>	<b>0.11</b>	0.034 J	<b>0.09</b>	<b>0.25</b>	<b>0.13</b>
4,4'-DDD (p,p'-DDD)	0.0035 U	--	<b>0.037 N</b>	<b>0.026 N</b>	<b>0.0072</b>	--	<b>0.0067 N</b>	<b>0.016 N</b>	<b>0.006 N</b>
Endrin	0.0035 U	--	--	--	--	--	--	--	--
Endosulfan II (beta)	0.0035 U	--	<b>0.017 N</b>	<b>0.012</b>	--	--	--	--	--
Endosulfan Sulfate	0.0035 U	--	--	--	--	--	--	--	--
Toxaphene	0.18 U	<b>4.7</b>	<b>1.9</b>	<b>0.81</b>	--	--	--	--	--
Endrin Aldehyde	0.0035 U	<b>0.043 N</b>	<b>0.038</b>	<b>0.034 N</b>	--	--	--	--	--
gamma-Chlordane /2	0.0018 U	--	<b>0.0072</b>	--	--	--	0.0041 N	--	0.002 N
alpha-Chlordane /2	0.0018 U	--	--	--	--	--	0.0035	<b>0.0066</b>	0.0014 J
Methoxychlor	0.0180 U	--	--	--	--	--	--	--	--

Notes:

- SN Street Neighborhood
  - SS Surface Soil
  - mg/kg milligrams per kilogram
  - U The analyte was not detected. The value provided is the Sample Quantization Limit.
  - N Tentative identification
  - The analyte was not detected
  - Bold** Constituent is elevated above SQL and 3 times above background
  - NL Not Listed
  - J Estimated value.
- BF McLaurin Park is located on Sunflower Ave. near the corner of 6th Street

Table 2  
 Summary of Inorganic Analytical Results  
 Surface Soil Samples  
 18th Street Neighborhood  
 Clarksdale, Coahoma County, Mississippi

Address	BF McLaurin Park	205 19th Street	207 19th Street	211 19th Street	213 19th Street	223 19th Street	225 18th Street	218 18th Street	133 17th Street
Analyte	Background SN-01-SS	SN-02-SS	SN-03-SS	SN-04-SS	SN-05-SS	SN-06-SS	SN-07-SS	SN-08-SS	SN-09-SS
<b>Inorganics (mg/kg)</b>									
Arsenic	20	4.8	4.7	8.1	5.9	5.8	6.4	11	4.4
Aluminum	4,700	8,500	6,500	7,400	7,200	7,500	5,600	7,100	5,900
Iron	8,800	14,000	11,000	12,000	13,000	13,000	12,000	22,000	10,000

Address	BF McLaurin Park	136 17th Street	136 17th Street	138 17th Street	132 16th Street	135 16th Street	137 16th Street	142 16th Street	139 16th Street
Analyte	Background SN-01-SS	SN-10-SS	SN-10D-SS	SN-11-SS	SN-12-SS	SN-13-SS	SN-14-SS	SN-15-SS	SN-16-SS
<b>Inorganics (mg/kg)</b>									
Arsenic	20	5.1	6.6	4.7	9.1	5.0	13	5.2	12
Aluminum	4,700	7,400	7,200	6,700	6,400	6,300	64,00	5,300	5,700
Iron	8,800	12,000	13,000	12,000	16,000	15,000	16,000	11,000	14,000

**Notes:**

- SN Street Neighborhood
- SS Surface Soil
- mg/kg milligrams per kilogram
- BF McLaurin Park is located on Sunflower Ave. near the corner of 6th Street

Table 2 (continued)  
 Summary of Inorganic Analytical Results  
 Surface Soil Samples  
 18th Street Neighborhood  
 Clarksdale, Coahoma County, Mississippi

Address	BF McLaurin Park	133 15th Street	138 15th Street	140 15th Street	143 15th Street	143 15th Street	134 15th Street	116 14th Street	118 14th Street
Analyte	Background SN-01-SS	SN-17-SS	SN-18-SS	SN-19-SS	SN-20-SS	SN-20D-SS	SN-21-SS	SN-22-SS	SN-23-SS
<b>Inorganics (mg/kg)</b>									
Arsenic	20	5.5	9.1	7.6	4.8	4.6	6.0	5.7	6.4
Aluminum	4,700	5,100	7,300	7,100	5,700	5,600	6,000	7,100	7,600
Iron	8,800	14,000	21,000	17,000	12,000	11,000	14,000	14,000	13,000

Address	BF McLaurin Park	133 14th Street	135 15th Street	1311 W. Tallahatchie Street	1509 W. Tallahatchie Street	1509 1/2 W. Tallahatchie Street	130 14th Street	215 18th Street	159 19th Street
Analyte	Background SN-01-SS	SN-24-SS	SN-25-SS	SN-26-SS	SN-27-SS	SN-28-SS	SN-29-SS	SN-30-SS	SN-31-SS
<b>Inorganics (mg/kg)</b>									
Arsenic	20	6.6	6.9	9.9	5.3	4.3	11	4.0	5.8
Aluminum	4,700	5,700	7,300	5,900	6,400	6,300	5,600	6,300	7,000
Iron	8,800	14,000	16,000	23,000	14,000	9,900	21,000	11,000	17,000

Notes:

- SN Street Neighborhood
- SS Surface Soil
- mg/kg milligrams per kilogram
- BF McLaurin Park is located on Sunflower Ave. near the corner of 6th Street

Table 3  
 Summary of Inorganic and Pesticides Analytical Results  
 Municipal Drinking Water Well Samples  
 18th Street Neighborhood  
 Clarksdale, Coahoma County, Mississippi

	Deep Municipal Wells			Shallow Municipal Wells	
PWS code	140002-11	140002-09	140002-09	140002-04	140002-03
CPU well number	16	14	14	2	11
Analyte	Background SN-01-MW	Downgradient SN-03-MW	Duplicate Downgradient SN-03D-MW	Background SN-04-MW	Downgradient SN-02-MW
<b>Inorganics (mg/L)</b>					
Iron	0.760 UJ	0.038 UJ	0.038 UJ	9	3
<b>Pesticides (mg/L)</b>					
None detected.					

**Notes:**

- PWS Public Water System
- CPU Clarksdale Public Utilities
- SN Street Neighborhood
- MW Municipal Well
- mg/L milligram per liter
- U The analyte was not detected. The value provided is the Sample Quantization Limit.
- J Estimated value.

**APPENDIX C**  
**Logbook Notes**

7-26-05

1315 CDT Arrive at Memphis Airport. Pick up car.

1600 CDT Arrive at Red Panther site. Begin touring neighborhood to determine addresses for access. The following tax records need to be pulled:

14th St

140 ✓, 130 ✓, ~~129~~ 129 ✓, 135 ✓, 131 ✓, 118, 12? <sup>btwn</sup> 118 & 130 120-128

W. Tallahatchee

btwn 13th & 14th - MT Turner

1509 1/2 ✓, 1509 ✓ 1311

15th St

144 ✓, 143 ✓, 140 ✓, 139 ✓, 138 ✓, 136 ✓, 133 ✓, 131 142

16th St

132, 136, 135 ✓, 137 ✓, 139 ✓, 140, <sup>btwn</sup> next door to 140, 142 ← 148

Skowalski 7-26-05

7-26-05

17th St

145/143, 137/139  
138, 133, 136, 124, 127

102  
144  
140

18th St

214, 215, 218, 224  
225, 228 btwn 215 & 225  
149, 151, 143, 148, 144 (2 houses)  
142

19th St

211 (2 houses past)  
213, 223

159  
141 155  
145

1620 AOT Arrive at Tax Assessor  
office at Coloma County  
Courthouse

Parcel 6686000 - 1509 1/2 Tallah.  
6685000 - 1509 Tallah.

Skowalski 7-26-05

7-26-05

14th St Parcels

MAP 412  
~~SUR MAP 403~~

118 - 6641

1720 Depart courthouse.

Skowalski  
7-26-05



7-27-05

W. Tallahatchee

1311 - Access granted

Skowalski 7-27-05

7-27-05

14th St.

133-135 - verbal OK from tenants

131 - left Package w/ kids

129 - left Package - no answer

119 - left Package - no answer

118; 116 - access granted (pull tax rec. for 118)

130 - left Package - no answer

128? - left Package - no answer

140 - left Package - no answer

Fliers in rest of Street.

Skowalski 7-27-05

7-27-05

15th St

- 133 - access granted
- 135 - access granted
- 143 - left package
- 139 - Tennant gave OK - to contact owner
- 134 - left package
- 136 - left package
- 138 - left package
- 140 - left package

Fliers to rest of street -

Skowalski 7-27-05

7-27-05

16th St

- 148 - left package
- 142 - Tennant OK <sup>left pkg w/owner @ 126 16th</sup>
- 136 - left package
- 132 - ~~left package~~ <sup>Tennant OK</sup>
- 12 - left package
- 135 - left package
- 137 - left package
- 139 - left package

Fliers to rest of street.

Skowalski 7-27-05

7-28-05

17th St

127 - left package - need tax info

124 - tenant OK - need tax info

133 - access granted - need tax info

136 - left package

137/139 duplex - 137 - left package <sup>need tax info</sup>  
139 - tenant OK need tax info

143/145 duplex - 143 - tenant OK need tax info  
145 - tenant OK

138 - access granted

Fliers distributed

Skowalski  
7-28-05

7-28-05

18th St

223 - access granted <sup>need tax info</sup>

225 - access granted <sup>need tax info</sup>

218 - tenant OK - <sup>access granted</sup> ~~need tax info~~ <sup>need tax info</sup> ~~ok~~

215 - left package <sup>need tax info</sup> ~~need tax info~~ <sup>ok</sup>

219 - will call Sherryl

214 - left info

224 - left info

Fliers distributed

Skowalski  
7-28-05

12

MON.

8/8/05

- 1400 START-2 (T. MAHER, F. JEWELL) TO WAREHOUSE TO LOAD OUT EQUIPMENT FOR SAMPLING EVENT AT THE 18<sup>TH</sup> STREET NEIGHBORHOOD IN CLARKSDALE, MS.
- 1500 DEPART WAREHOUSE FOR CLARKSDALE, MS.
- 1930 STOP FOR DINNER IN STARKVILLE, MS.
- 2300 ARRIVE IN CLARKSDALE, MS.

*[Handwritten signature]*

13

TUE

8/9/05

- 0900 MEET AT RED PANTHER SITE WITH EPA REPRESENTATIVES STEVE SPURLIN, UIGH VORREWER, MYSSA HUGHES, MAT HUYSER. DISCUSS HASP AND SAMPLING PLAN.
- 0940 DEPART TO STORE TO GET WATER, ICE AND ZIPLOCK BAGS.
- 1030 MET AT 19<sup>TH</sup> STREET LOCATIONS TO BEGIN SAMPLING.
- 1045 Jewell begins collecting SN-02-SS from 205 19th Street at Little Sunshine Child Care. A 5-point composite is collected.

PHOTO 1 1057 TIM FRANKIE  
EAST GARAGE IN BACKYARD

PHOTO 2 1058 TIM FRANKIE  
NORTH EAST FRONT CORNER OF HOUSE

1100 SAMPLING COMPLETED  
SAMPLE LT BROWN SANDY SILT

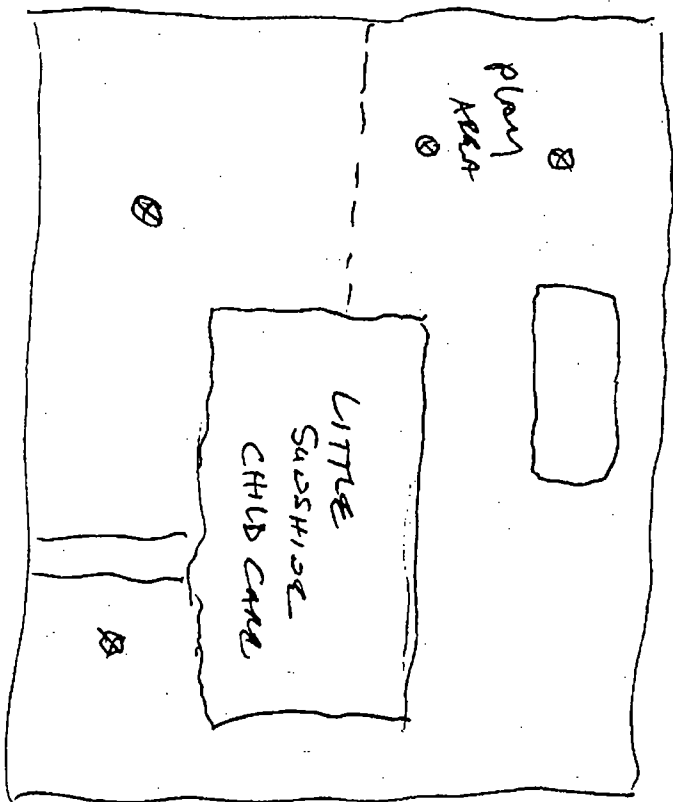
*[Handwritten signature]*

14

Tue

8/9/05

205 19TH ST



N ↓

TJMA

15

Tue

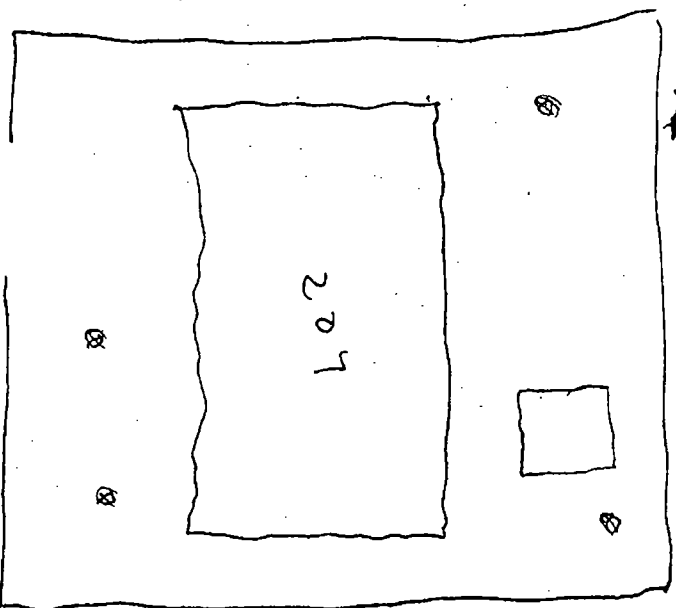
8/9/05

1110 F. JEWELL TO BEGIN SAMPLING  
207 19TH ST. SW-03-SS

PHOTO 3 1112 TIM FRANKIE  
NORTH FRONT OF 207 RESIDENCE.

N →

207 19TH ST



1115 SAMPLE TAKEN / COMPLETED  
SAMPLE LT BROWN SANDY SILT

TJMA

Tue

8/9/05

1117 F. Jewell TO BEGIN SAMPLING  
211 19<sup>TH</sup> STREET SW-04-SS.

PHOTO 4 1118 Tim Frankie  
NORTH FRONT OF 211 19<sup>TH</sup> ST.

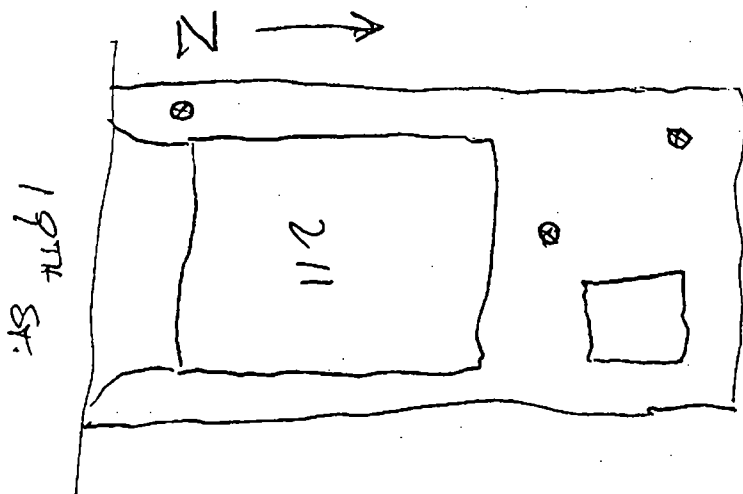


PHOTO 5 1120 Tim Frankie  
NORTHEAST SHED AND YARD  
DEBRIS AT BACKYARD. 3PT  
COMPOSITE SAMPLE ONLY DUE  
TO TRASH

1125 SAMPLE COMPLETE  
SAMPLE LT. BROWN SANDY SILT  
WITH SOME ROCKS

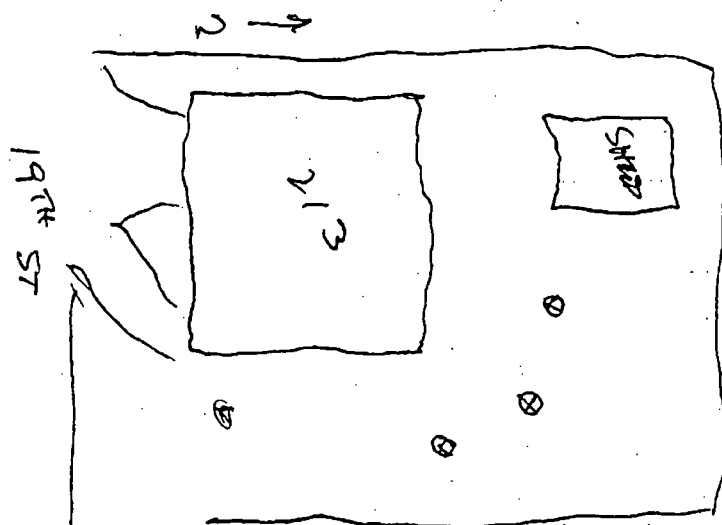
Tim Frankie

Tue

8/9/05

1130 F. Jewell TO BEGIN SAMPLING  
213 19<sup>TH</sup> ST. SW-05-SS

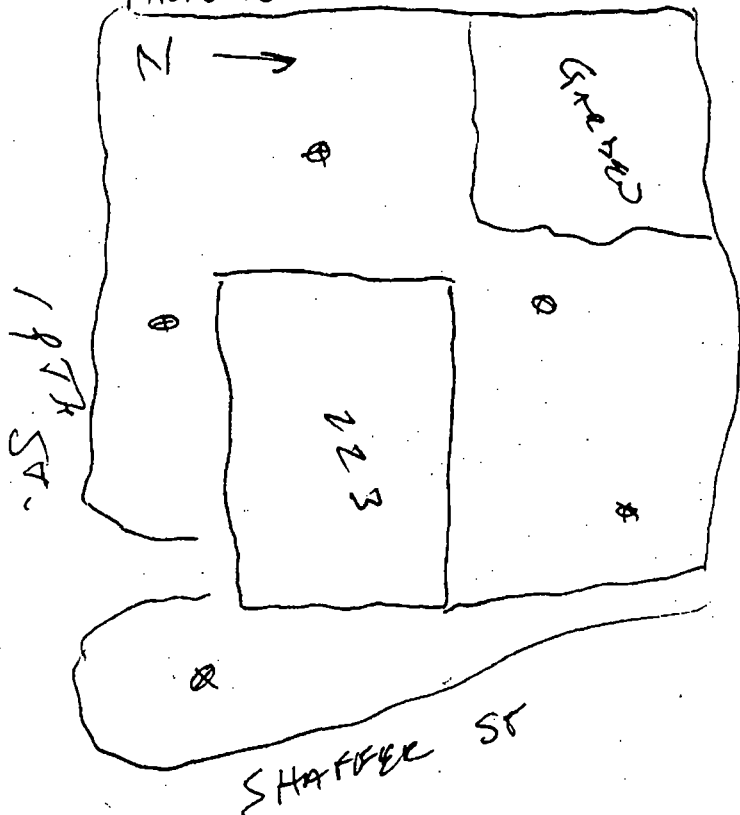
1132 PHOTO 6 & 7 Tim Frankie  
NORTH FRONT OF 213 19<sup>TH</sup> ST



1145 SAMPLE COMPLETED  
SAMPLE LT BROWN SANDY SILT

Tim Frankie

Tue 8/9/05  
 1153 F. JEWELL TO 223 19TH ST.  
 TO BEGIN SAMPLING.  
 1155 PHOTO 849 TIM FRANK,  
 NORTH FRONT OF 223 19TH ST.  
 PHOTO 16 WEST



Wednesday, August 10, 2005

0800 START personnel arrive at Red Panther Site (T. Maher, L. Skidmore, and J. Jewell), and meet EPA OSC Steve Spurlin and EPA OSC trainees to discuss and plan site activities for 18th Street Neighborhood Assessment. L. Skidmore and EPA Matt Huyser will collect background surface soil sample from local park. J. Jewell and T. Maher will collect groundwater samples from municipal wells.

0940 START, T. Maher and J. Jewell arrive at Clarkdale Water Department at 1905 Sunflower. EPA Leigh Vorreuter and Alyssa Hughes accompany START to water company. Tim Maher speaks with Charles Williams, Water Superintendent to local shallow and deep wells to sample both upgradient and downgradient from the Red Panther site.

Some wells are now inactive, T. Maher speaks with Charles Williams to determine active nearby shallow and deep wells and the potential for background or control wells. 1010 START and EPA personnel depart water company for municipal wells.

1020 START & EPA personnel arrive at Clarkdale

8/10/05

municipal well 009, a deep well. ~~STAKT~~  
at the corner of 19th + Center.

STAKT will collect groundwater sample  
SN-03-MW. ~~As is~~ and SN-03D-MW  
duplicate sample (SN-03D-MW) will  
be collected at this location. The MS/MSD  
will also be collected at this location.  
Therefore 4 sample volumes will be  
collected. The sample will be collected  
from the spigot prior to treatment.

035 Personnel Begin purging well

Latitude: N34.39654° Longitude: W90.62184° W

Time	Temp	pH	cond	turb
1040	23.8°C	6.31	0.995	1.78
1045	23.8°C	7.7	0.878	1.49
1050	23.3°C	7.71	0.887	2.09
1055	23.6°C	7.72	0.878	1.16
1056	T. MAHER Began taking SN-03-MW			

1105 Personnel depart MW009.

1110 Personnel arrive @ MW02

Latitude: N34.39654° Longitude: W90.62184°

Municipal well 02, shallow well located  
at Hicks & Tallahassee across from Lewis  
L. Wilkins Generating Station

SN-04-MW, purging process begins @ 1115

Time	Temp	pH	Cond	Turb
1115	22°C	6.56	0.834	0.36
1120	20.1°C	6.57	0.808	0.00
1125	19.6°C	6.47	0.802	0.00
1130	19.7°C	6.46	0.803	0.00

1130 T. MAHER began sampling SN-04-MW

1140 Personnel depart MW02

1145 Personnel arrive @ <sup>(4002-11)</sup> MW:1

Municipal Well 11 across from 145 19th Street

Lat: N34.39654° Long: W90.62184°

Time	Temp	pH	Cond	Turb
1145	20.2°C	6.99	0.663	0.36
1147	19.2°C	6.75	0.661	0.46
1150	19.5°C	6.79	0.661	0.00

1155 T. MAHER began sampling SN-02-MW

1200 Personnel depart MW11

1210 Personnel arrive at MW-16

SN-01-MW located at Heilburg  
Elementary School at the corner of  
Anderson Blvd &

Latitude: N34.39654° Long: 90.62182° W

SN-01-MW began purging process @ 1225



Time	Temp	pH	cond	turb
1220	24.7°C	7.76	1.17	17.0
1225	24.6°C	7.72	1.18	2.14
1230	24.8°C	7.64	1.31	1.01
1235	25.0°C	7.64	1.22	1.45

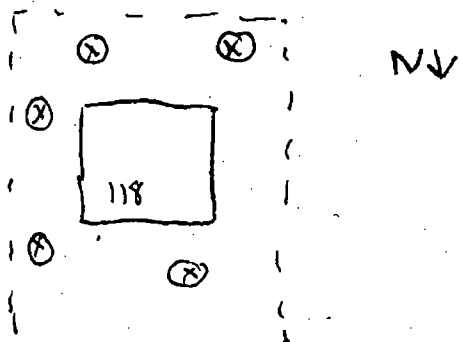
1235 T. Maher began sampling

SN-01-MW

1240 Personnel ~~start~~ depart for lunch  
 1350 Personnel arrive at Red Panther facility.  
 J. Jewell will remain at Red Panther facility  
 and begin processing samples w/ Forms II like.  
 Personnel will unload samples and computer  
 T. Maher and EPA personnel will collect  
 residential soil samples

1435 START & EPA arrive on 14<sup>th</sup> St  
 to start sampling

1445 T. Maher begins sampling  
 at 118 14<sup>th</sup> St.

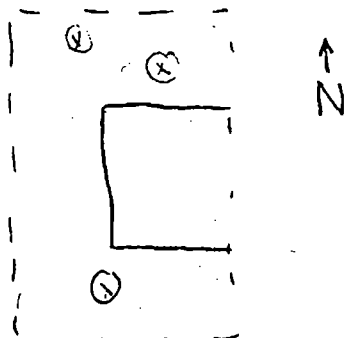


1450 Photo of front of the house  
 was taken. Facing South.

1455 Photo of backyard facing  
 west was taken.

1500 SN-23-SS has been completed.

1505 T. Maher began sampling  
~~1235~~ 14<sup>th</sup>, soil sample SN-24-SS



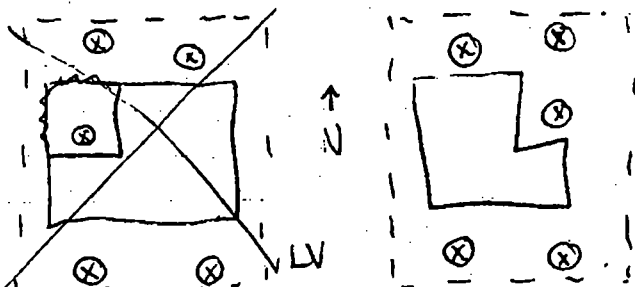
1510 PHOTO of Back of 133 facing  
 South. PHOTO of FRONT facing N.

1515 SN-24-SS has been collected.

1620 START & EPA arrive at 19<sup>th</sup> St  
 to collect SN-31-SS

1625 Maher begins to collect SN-31-SS  
 while Vorreuter takes a  
 photo of the front of the house  
 facing North.

159 Nineteenth St.

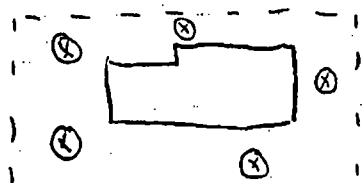


1030 Photo of house facing south  
(Photo 22)

1035 Sample SN-31-SS has been  
completed.

1045 START & EPH arrive at 1311  
S. Talkinatchie St to collect  
soil sample SN-26-SS.

1045 Photo taken of the front of  
the house facing west.



1050 Photo of side of house facing  
North.

1051 Photo of back yard facing North

1700 Soil sample SN-26-SS has  
been collected.

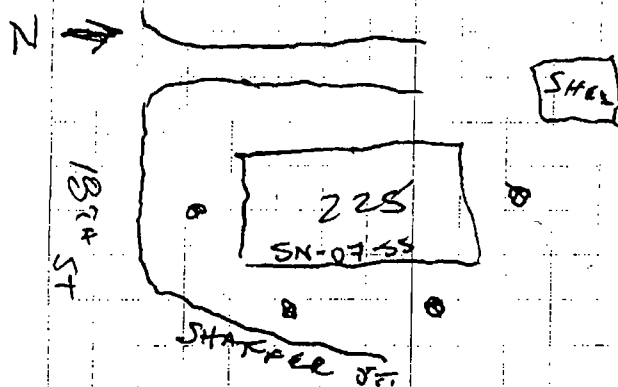
C

August 9, 2005

1330 Personnel finish Lunch.  
 START Jim Maher + Franki Jewell  
 go to Walmart to purchase ice and  
 2 disposable cones.

2:400 Jewell + J. Maher arrive at  
 18th Street to continue sampling.  
 Personnel will not collect 223 18th  
 Street because a concrete pad is located  
 in front and there is no yard in back.  
 1420 F. Jewell TO 225 18TH ST  
 TO BEGIN SAMPLING

1425 PHOTO U TIM FRANKI  
 NORTH FRONT OF 225 18TH ST.



1430 SAMPLE SP-07-SS TAKEN  
 PHOTO 12 WEST

— TJM —

Tue August 9, 2005

1435 PHOTO 13 & 14 223 18<sup>TH</sup> ST  
13 NORTH 14 NORTHWEST

1437 F Jewell TO 218 18<sup>TH</sup> ST  
TO BEHIND TAKING SAMPLE  
PHOTO 15 TIM FRANK,  
SOUTH FRONT OF 218 PLS.

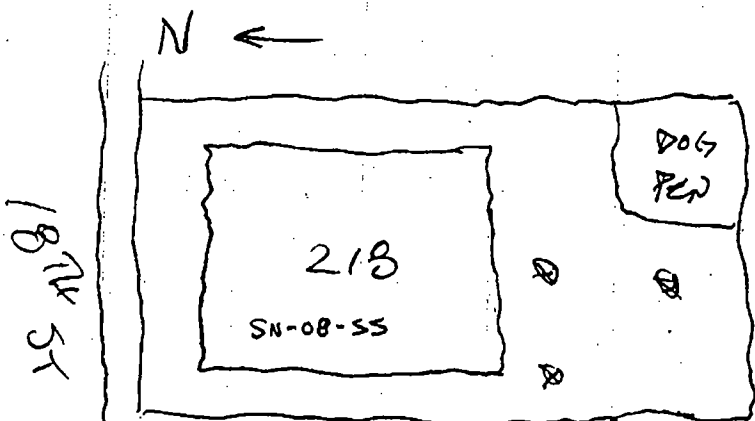
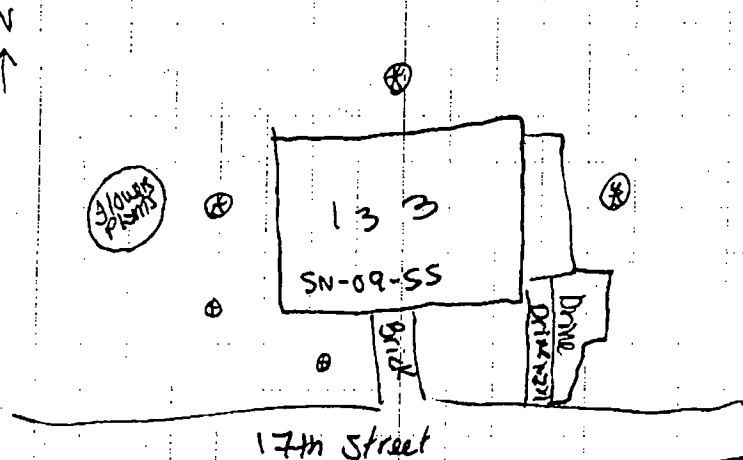


PHOTO 16 SOUTH EAST  
BACKYARD OF 218 18<sup>TH</sup> ST.

1445 SAMPLE SN-08-SS  
TAKEN

Frank

500 START Personnel arrive at 133 17th Street.



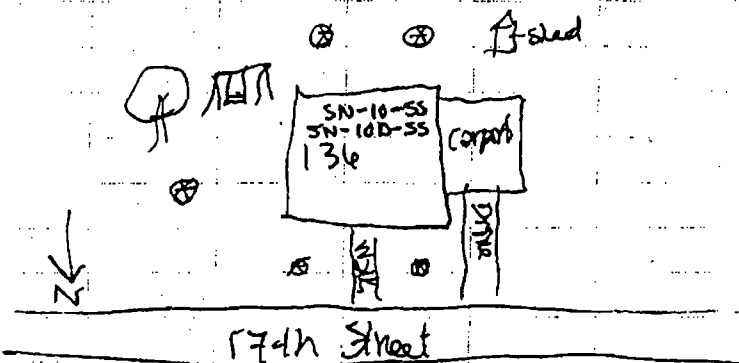
1505 Maher begins collecting composite  
sample SN-09-SS at 133 17th Street

1505 Jones takes photo 17, facing N  
of 133 17th Street, front yard & house

1506 Jones takes photo 18 of back  
facing east (133 17th St.)

1515 Maher begins collecting composite  
sample SN-10-SS from 136 17th Street

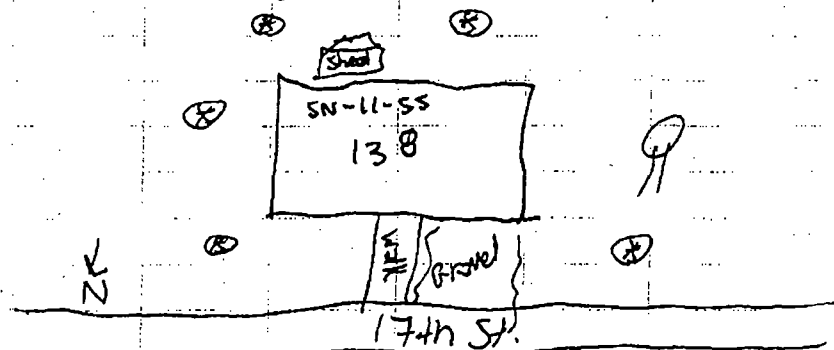
1515 Jewell takes photo 19, facing South  
of front of 136 17th Street



1520 Jewell takes photo 19, facing west of back yard of 136 17th Street.

NOTE: A duplicate sample SN-10D-SS is also collected at this location.

1540 T. Mosher begins collecting SN-11-SS from 138 17th Street.



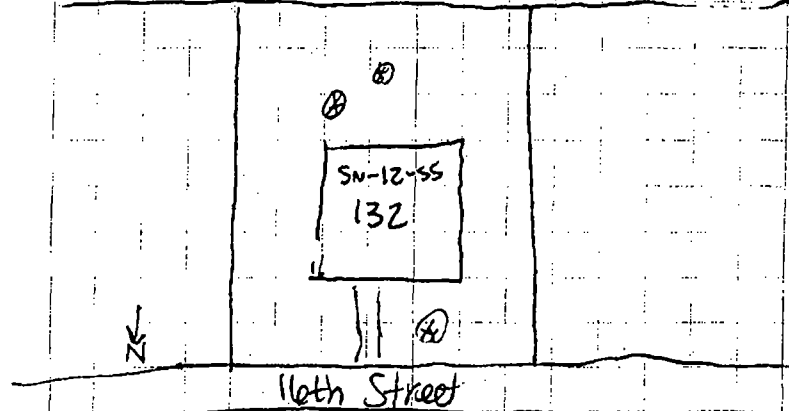
1540 Jewell takes photo 20 facing south of front of 138 17th Street.

1542 Jewell takes photo 21 facing south west of back of 139 17th Street.

1620 Personnel arrive at 116th Street.

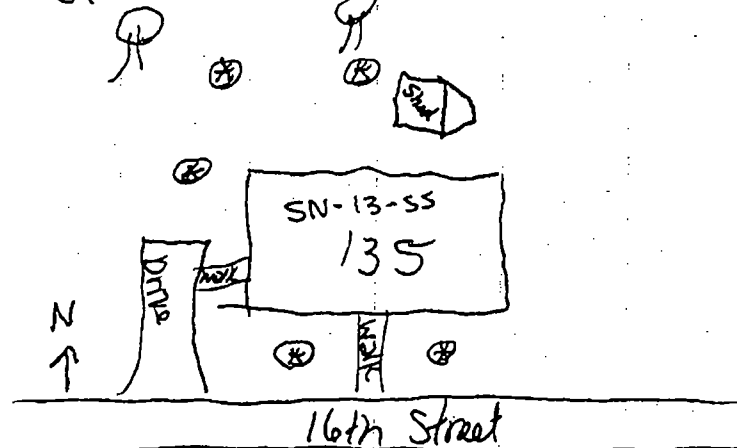
1625 Mosher begins collecting SN-12-SS at 132 116th Street.

1625 Jewell takes photo 21, facing south of front of 132 116th Street.



1626 Jewell takes photo 22, facing S, SW of back of 132 116th Street.

1635 T Maher begins collecting SN-13-SS  
at 135 16th Street.



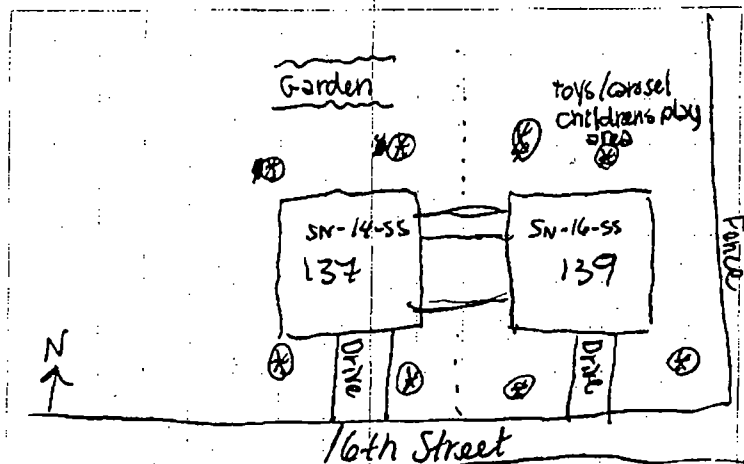
1635 Jewell takes photo, facing North of  
front of 135 16th Street

1637 Jewell takes photo facing North, NE  
of back of 135 16th Street

1645 J Maher begins collecting SN-14-SS  
at 137 16th Street

1645 Jewell takes photo, facing  
of front of 137 <sup>and 139</sup> 16th Street

Jewell takes photo, facing  
of back of 137 <sup>and 139</sup> 16th Street



1655 J Maher begins collecting ~~SN-15-SS~~ SN-16-SS  
from 139 16th Street; Duplex adjacent  
to 137 16th Street.

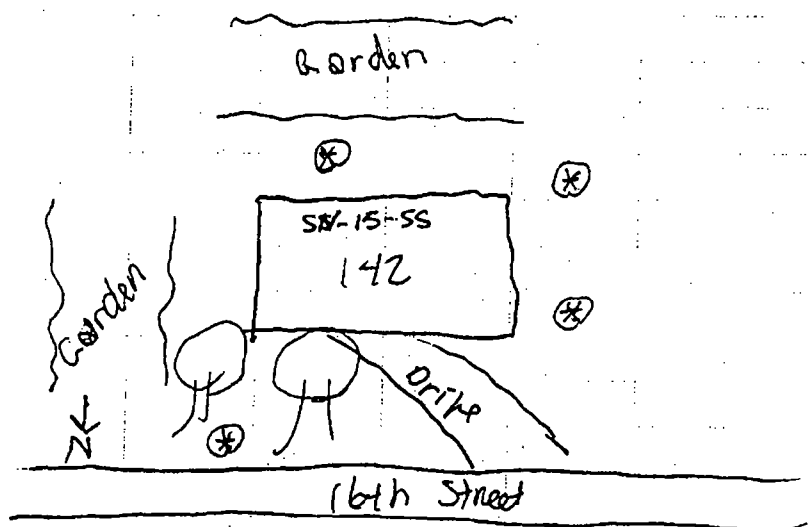
~~Jewell~~

NOTE: 137 and 139 are a duplex & adjacent  
to one another. Photos of front & back  
taken of 137 and 139, in same photo.

1705 J Maher begins collecting SN-15-SS  
at 142 16th Street

1705 Jewell takes photo facing  
south, of front of 142 16th

Jewell takes photo facing  
of back of 142 16th Street property



1715 J. Masher + J. Jewell depart 16th Street  
for Red Panther facility to pick up computer

1735 J. Masher + J. Jewell arrive at hotel.

J. Masher speaks w/ Mississippi Department  
of Environmental Quality (MDEQ) personnel  
who just arrived at hotel.

End of Day

*J. Masher + J. Jewell*  
8/9/05

Wednesday, August 10, 2005

0800 START personnel J. Masher, Lori Skidmore,  
and J. Jewell arrive at Red Panther facility &  
meet OSC Steve Spurlin and OSC's in training.

Personnel discuss & plan days' activities.

T. Masher attempts to contact Clarksdale  
Water Department to obtain access to  
municipal wells. T. Masher leaves message  
L. Skidmore leaves message for Ralph  
Young owner of 218 18th Street and  
adjacent lot (682) 624-8249.

0845 Personnel pull equipment to sample background  
soil samples.

<sup>0915</sup>  
~~1015~~ LKS now taking notes.

- START-2 discusses background  
samples with OSC Steve Spurlin
- since no other samples > 3 inches  
are being collected during this  
event, OSC Spurlin OKs removing  
deep subsurface background 3-4' bgs

0945 Collect background surface  
soil @ 0-3" bgs, 4 pt composite  
over ~50' x 50' area

- SN-01-SS

(1) 8oz jar for pest

08/10/05

12

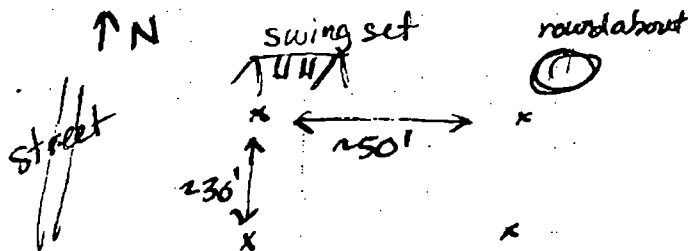
LKS

18th St Neighborhood  
08/10/05

Clarksdale, MS

- (1) 8oz jar for metals
- Photo: #271 by LKS, wit: M Huyser (EPA)
- orient: NW, playground area near swingsets where samples were collected

• Sample locations:



- Samples collected @
- GPS location 34° 11.709 N  
90° 34.317 W
- Park ⇒ BF McLaurin Park  
@ Sunflower Rd near int. of  
6<sup>th</sup> street

1003 LKS and M Huyser (EPA) visit  
Ms. Jessie James @ 126 15<sup>th</sup> Street  
• talk to her and look at drain  
in her backyard

Lon Skole 08/10/05

08/10/05

LKS

18th St. Neighborhood  
Clarksdale, MS 13

- she has filled it with bricks w/ a metal plate and concrete blocks to keep children out
- moved to property in 1965 and drain was open w/ only metal plate on top. She said when it was open the water flowing on a concrete surface deep enough for a person to stand in (to water, not depth of water - that they did not know)
- Photos by MH (EPA) wit: LKS (START)
- orient: NW (photo 2) and down (photo 3)
- obs: open drain in J. James back yard

Note → water appeared (per J. James) to flow to the southwest

- 1020 visit Mr. Limer @ 21 16<sup>th</sup> Street
- owns adjacent 15 16<sup>th</sup> Street w/ open "drain" in backyard
- @ 114 15<sup>th</sup> Street → filled hole w/ concrete years ago
- 1030 look @ drain @ 15 16<sup>th</sup> St.
- concrete monument ~ 4' x 4' and 1" high open in center

Lon Skole 08/10/05



18<sup>th</sup> St. Neighborhood  
14 Clarksdale, MS

08/10/05  
LKS

approx 12-15' deep with concrete  
bottom and shallow ditch running  
NW-SE w/ lks like small 4"  
pipe drain @ each end. No water  
in drain @ time of observation

Photo #4 by MH

by MH  
wit LKS  
orient NW

of: drain above ground monument

Photos #5 and #6

by MH  
wit LKS  
orient dn + NW  
of: inside of drain

1038 Mobe to 114 15<sup>th</sup> Street w/ Mr. Liner  
to look at sinkhole on that  
property. He says he owns that  
property also  
in backyard behind clothesline  
- former hole - current @ surface  
base dirt area 2' x 3' → the  
hole was (per Mr. Liner) 10'-15'  
deep and it took 2 yd<sup>3</sup> to fill

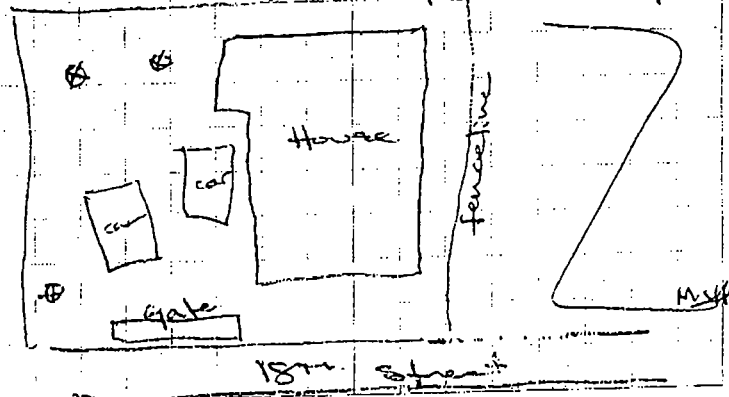
18<sup>th</sup> St. Neighborhood  
Clarksdale, MS

08/10/05  
LKS 15

Photos of sinkhole @ 114 15<sup>th</sup> St.

Photo #	by	wit	orient	of
7	MH	LKS	ESE	sinkhole to drain
8	↓	↓	NW	house + hole @ 126 15 <sup>th</sup> St
9	↓	↓	dn	sinkhole remains
10	↓	↓	dn	

Note: Mr. Liner's grandson's wife and  
est. her daughter were present  
1038 mobe to 215 18<sup>th</sup> street. Spoke  
w/ resident at front door. He invited  
us to sample, says he has not  
applied pesticides/fertilizers/herb-  
icides but has sprayed Butane  
along edges before Dec 2004  
Took three (3) samples in sideyard



05/10/05  
16 LKS

18th St. Neighborhood  
Clarksdale, MS

Photo#	by	wit	orient	note
11	MH	LKS	NE	house
12	MH	LKS	NE	sample

Taken ~~see photo~~ MH composite sample  
from three (3) locations  
Sample labeled SN 30-SS in two (2)  
sample containers  
11:15 sample time for SN-20-SS

Photo#	by	wit	orient	Note
13	MH	LKS	NW	Sunken ground in yard @ 2:15 18th

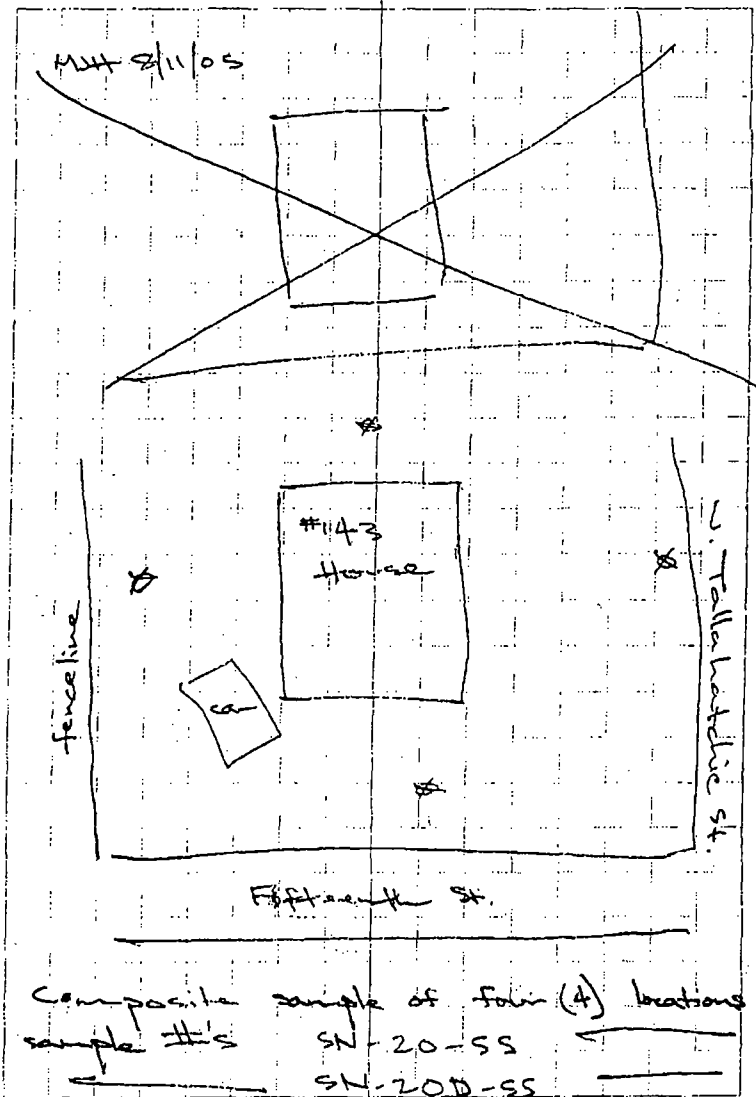
Resident says ~ 2000, a small shallow  
sinkhole opened in backyard - see photo above  
1147 moved to 143 15th Street. Spoke  
with resident who informed us that  
some powder had been spread near the  
edge of the house to take care of  
ants. No other knowledge of  
pesticides / fertilizers / herbicides on  
the lawn.

Photo	by	wit	orient	note
14	SS	LKS	N	front house

There are car tracks all around the  
house in an oval shape

18th St. Neighborhood  
Clarksdale, MS

05/10/05  
LKS 17

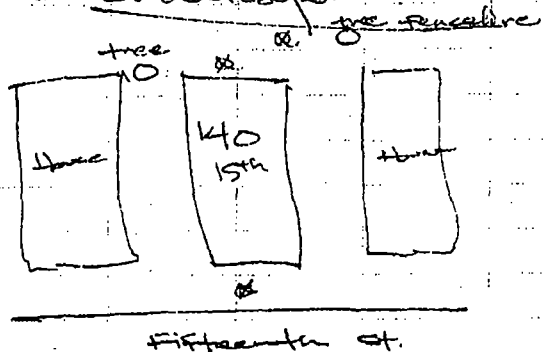


08/10/05

LKS

LST

1201 move to 140 15th Street. Spoke w/ resident. No Post./Fert./Herb or ant. treatments have been used to her knowledge.



EST

1310 Composite sample taken from three (3) locations. SN-19-SS

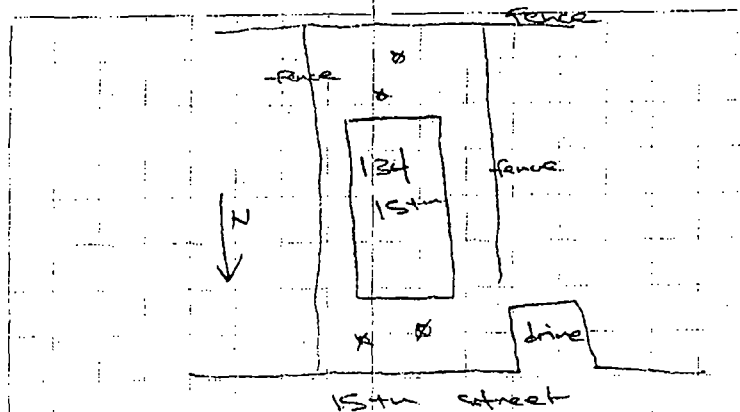
Photo by mit orient note  
IS SS LKS S 140 15th St.

1235 EPA and START offsite for lunch

1330 Onsite. ~~LKS~~ Resume sampling on 14th St.

1355 Collect SN-21-SS @ 134 15th St.

Spoke w/ resident ~~knows~~ that weed killer was sprayed near fences.

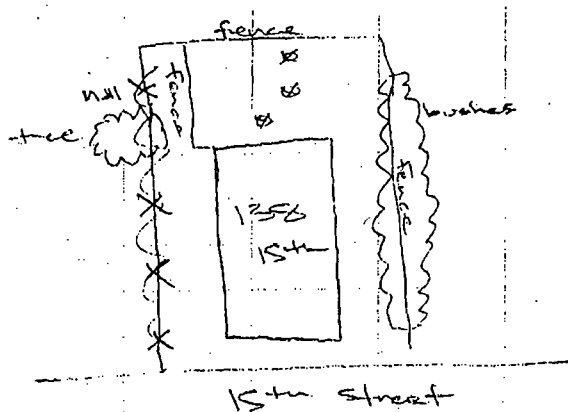


Composite sample of four (4) loc. taken.

Photo by mit orient note  
IS SS LKS S 134 ~~15th~~ <sup>MH</sup>

1406 moved and spoke w/ resident @ 138 15th Street. Was informed that the edges of the house and some of the lawn had been sprayed w/ diesel fuel for snails.

Photo by mit orient note  
10 MH LKS S 138 15th St.  
Collected sample SN-18-SS



1409 Completed sampling @ 138 15th st.

1412 moved to 133 15th street. Steve Spurlin spoke w/ resident earlier. Resident from 138 15th street identified resident at 133 15th street as the one spraying diesel fuel for snakes. \* This was not confirmed with resident @ 133 15th.

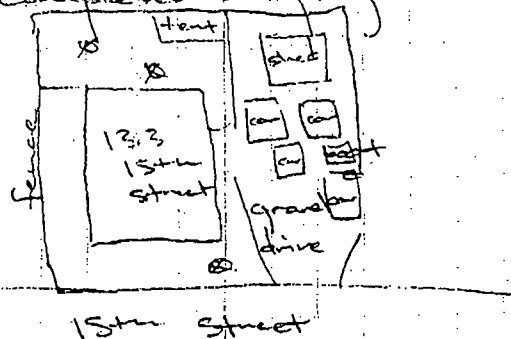
1420 Spoke w/ a man who drove by.  
 Walter Schringer  
 2008 Cardinal Lane  
 621-9936  
 902-4786  
 514-1742

Line supervisor, running Sunk  
 Had lung surgery in 2002.  
 Had pneumonia twice in the early 90's.

Walter informed S. Spurlin and M. H. that he worked as a Line supervisor at Red Panther for several years.

1423 Began sampling 133 15th st.

1423 Completed sampling



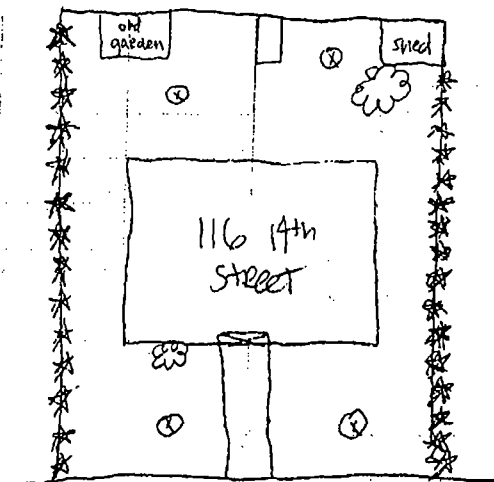
LP collected sample SN-17-SS  
 Photo by M.H. UKS  
 17 M.H. UKS N 133 15th st.

1435 Leave 15th street  
 Arrive 14th street @ 1440

1446 Began sampling 116 14th street

SN-22-SS  
 Photo  
 18

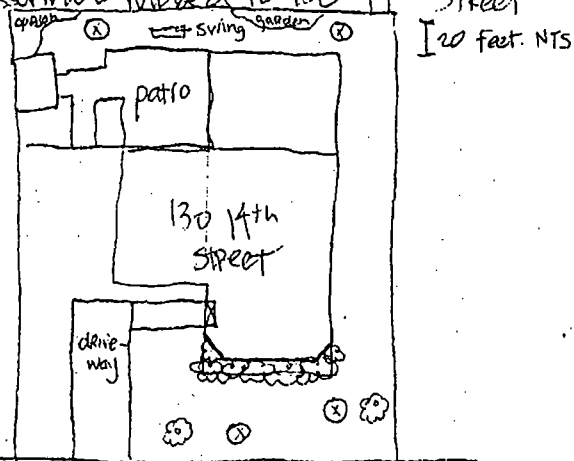
4 point  
 composite  
 sample - 2 front  
 2 back



14th Street

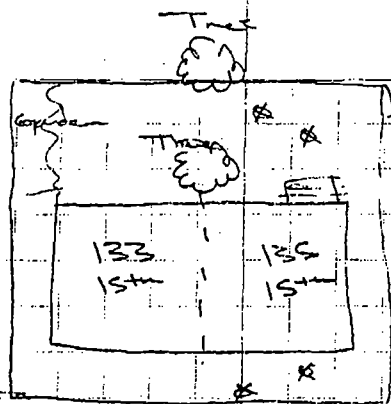
1450 Sampling complete.  
 1453 Personnel moved to 130 14th Street  
 1455

Began  
 Sampling  
 SN-29-SS  
 Photo 19



14th Street

1505 Sampling complete SN-29-SS

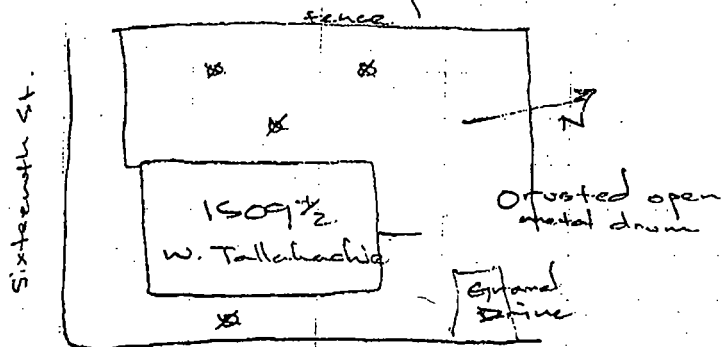


15th Street

1517 Began sampling @ 135 15th  
 Complete of four (4) points  
 Photos by ~~with orient note~~  
 20 MH LKS N 135 15th

1520 sample SN-25-SS  
 1640 knocked on 1509 Talkhadie  
 gate to back is locked. The  
 resident's daughter arrived  
 and said her mother should  
 arrive shortly  
 1645 note to 1509 1/2 Talkhadie  
 no one present.  
 Photos by ~~with orient note~~  
 21 MH LKS W 1509 1/2 Tall.

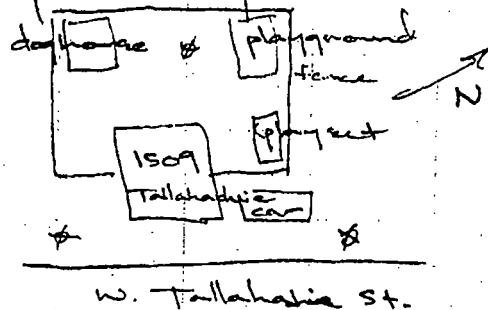
1646 Boop sampling 1509 1/2  
Tallahassee. Composite of far (4)



W. Tallahassee St.

Sample # SN-28-SS

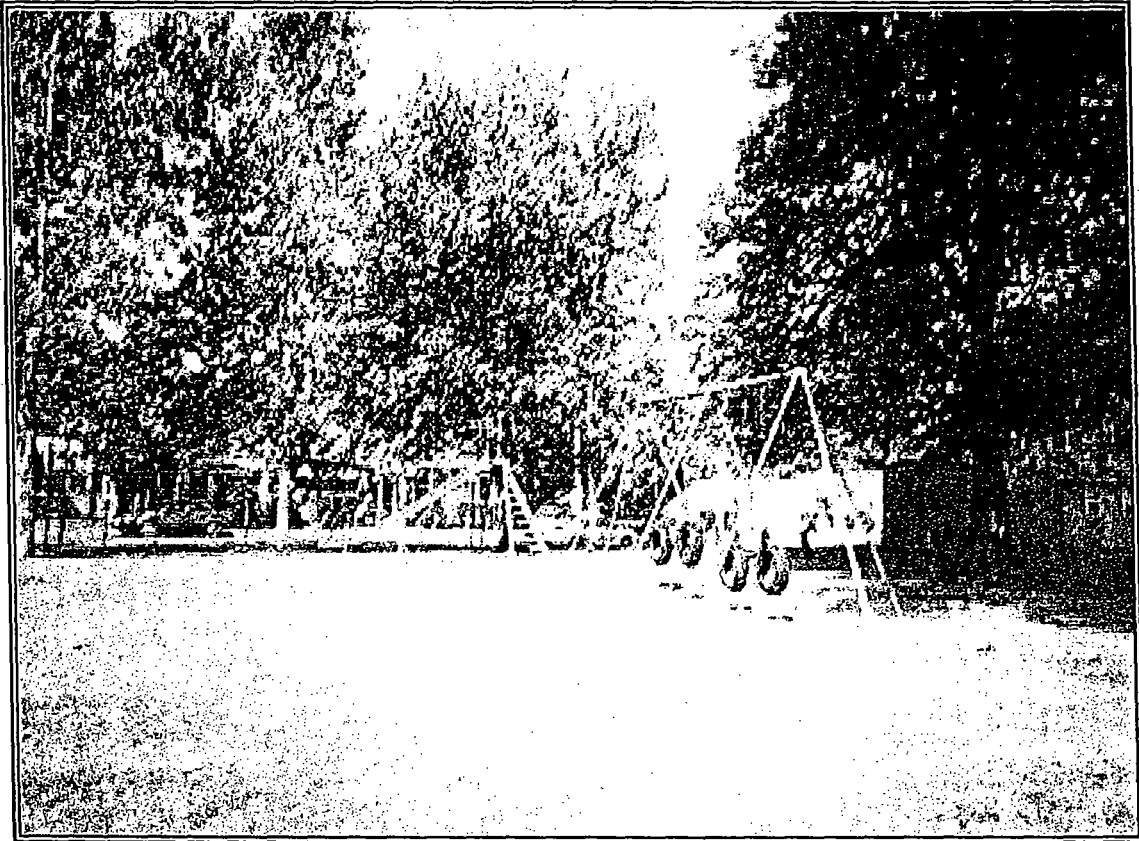
1653 to 1509 Tallahassee, no  
resident was present and access  
to the back yard was prevented  
by a padlocked gate.



1658 ~~back~~ resident arrived and  
permitted access to the backyard.  
She mentioned smelling chemicals  
and seeing clouds and living in  
the location for 25 years. She  
pointed out 3 spots where bushes  
had died suddenly in the front  
yard and a cherry tree that  
suddenly died on the EAST  
side of the house.

Photo by unit orient not  
22 MH LKS W 1509 Tall.  
Sample # SN-27-SS  
1715 EPA offsite. START-2 processing  
samples in office area

NOTE: Photo #s in this logbook on  
08/10/05 are from disposable  
camera labelled "18th St #1"



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICIAL SITE PHOTOGRAPH 1**

**Subject:** Location of background surface soil sample SN-01-SS at BF McLaurin Park.

**Site:** 18<sup>th</sup> Street Neighborhood  
Clarksdale, Coahoma County, Mississippi  
TDD No. 4W-05-07-A-008

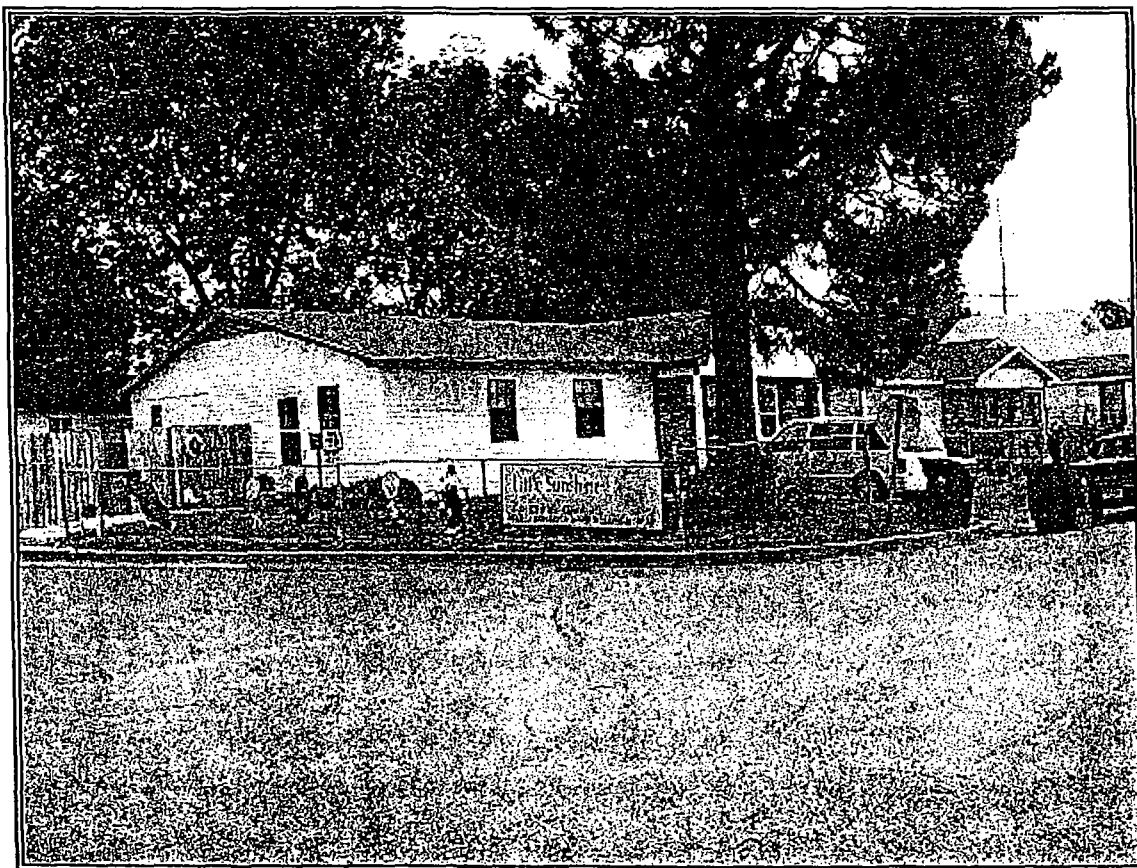
**Date:** August 10, 2005

**Orientation:** North

**Photographer:** Mat Huyser, EPA

**Witness:** Lori Skidmore, START-2

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICIAL SITE PHOTOGRAPH 2**

**Subject:** Location of surface soil sample SN-02-SS at 205 19<sup>th</sup> Street.

**Site:** 18<sup>th</sup> Street Neighborhood  
Clarksdale, Coahoma County, Mississippi  
TDD No. 4W-05-07-A-008

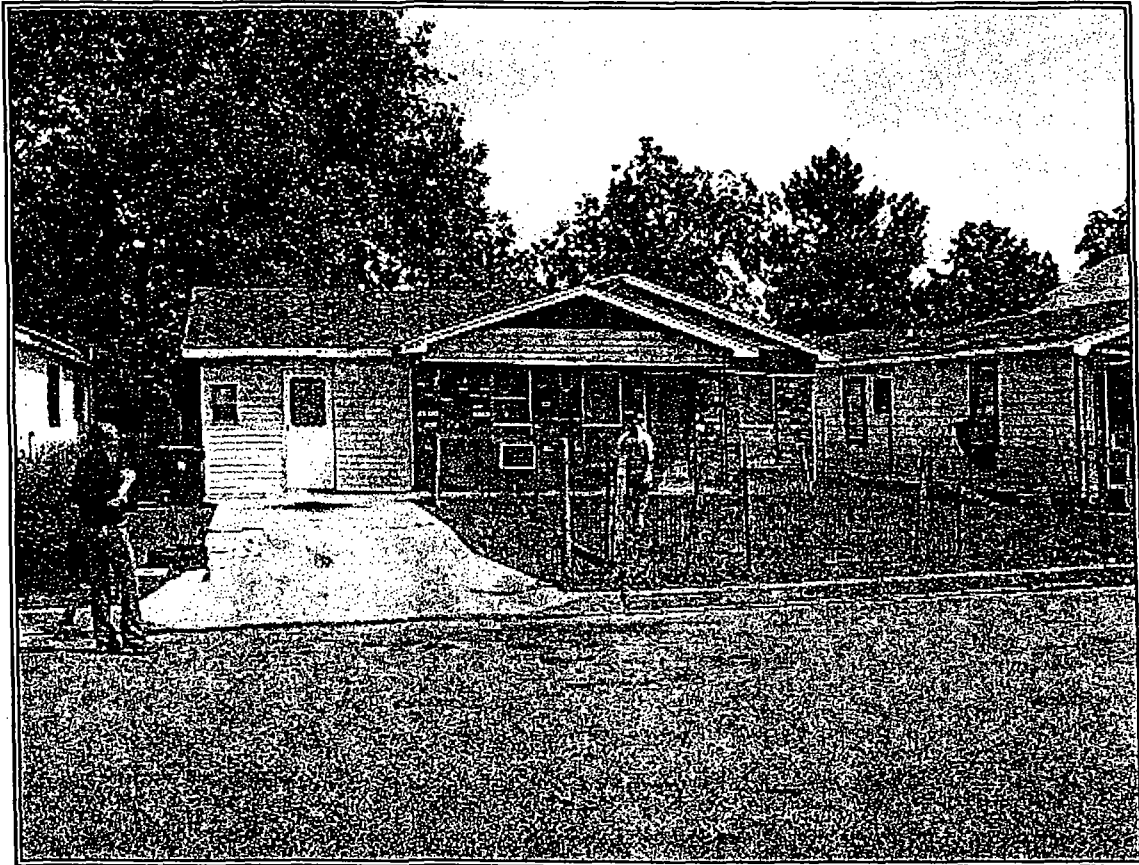
**Date:** August 9, 2005

**Orientation:** East

**Photographer:** Timothy Maher, START-2

**Witness:** Franki Jewel, START-2





**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICIAL SITE PHOTOGRAPH 3**

**Subject:** Location of surface soil sample SN-03-SS at 207 19<sup>th</sup> Street.

**Site:** 18<sup>th</sup> Street Neighborhood  
Clarksdale, Coahoma County, Mississippi  
TDD No. 4W-05-07-A-008

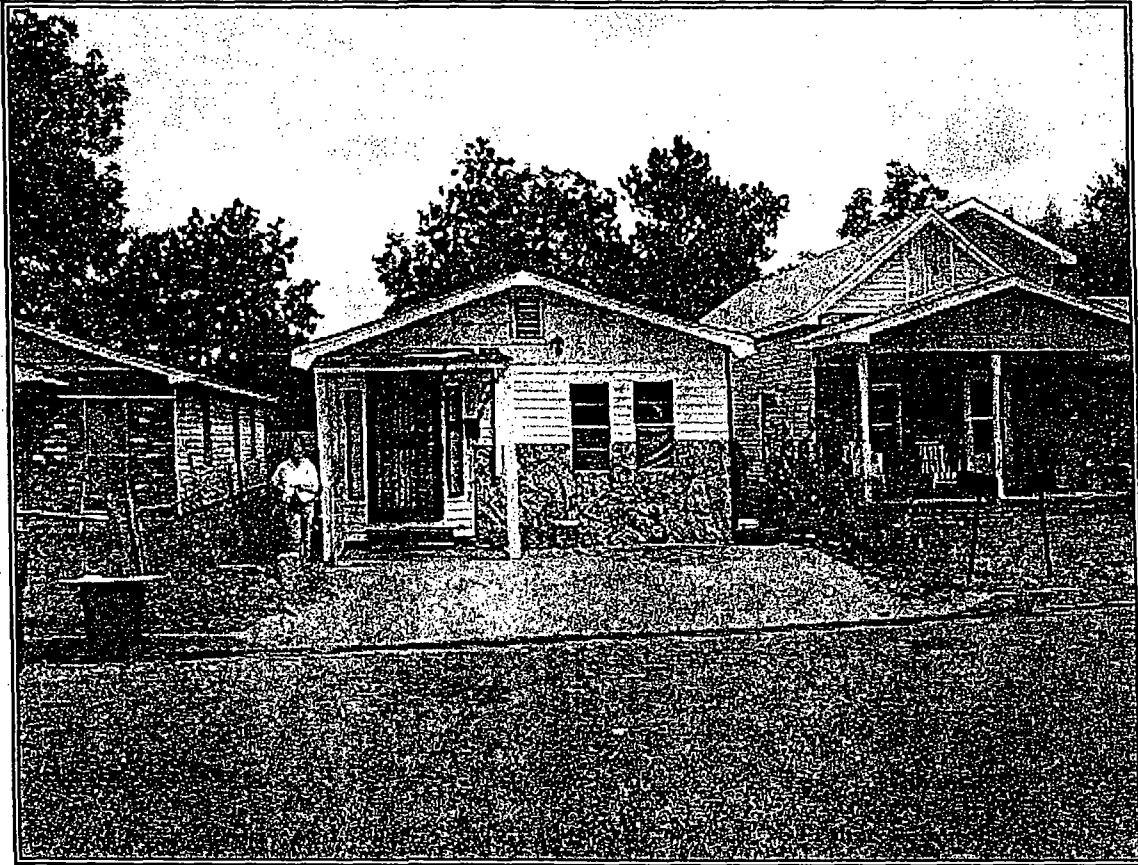
**Date:** August 9, 2005

**Orientation:** North

**Photographer:** Timothy Maher, START-2

**Witness:** Franki Jewel, START-2

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICIAL SITE PHOTOGRAPH 4**

**Subject:** Location of surface soil sample SN-04-SS at 211 19<sup>th</sup> Street.

**Site:** 18<sup>th</sup> Street Neighborhood  
Clarksdale, Coahoma County, Mississippi  
TDD No. 4W-05-07-A-008

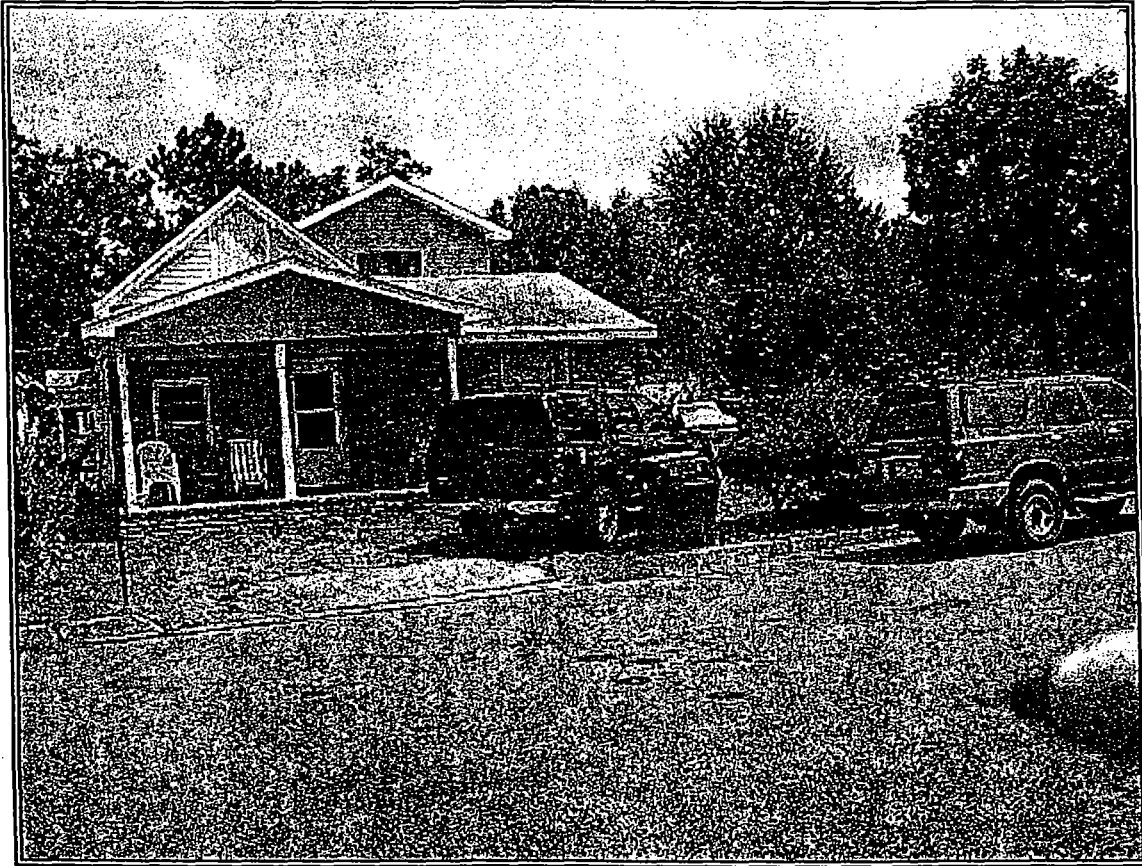
**Date:** August 9, 2005

**Orientation:** North

**Photographer:** Timothy Maher, START-2

**Witness:** Franki Jewel, START-2

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICIAL SITE PHOTOGRAPH 5**

**Subject:** Location of surface soil sample SN-05-SS at 213 19<sup>th</sup> Street.

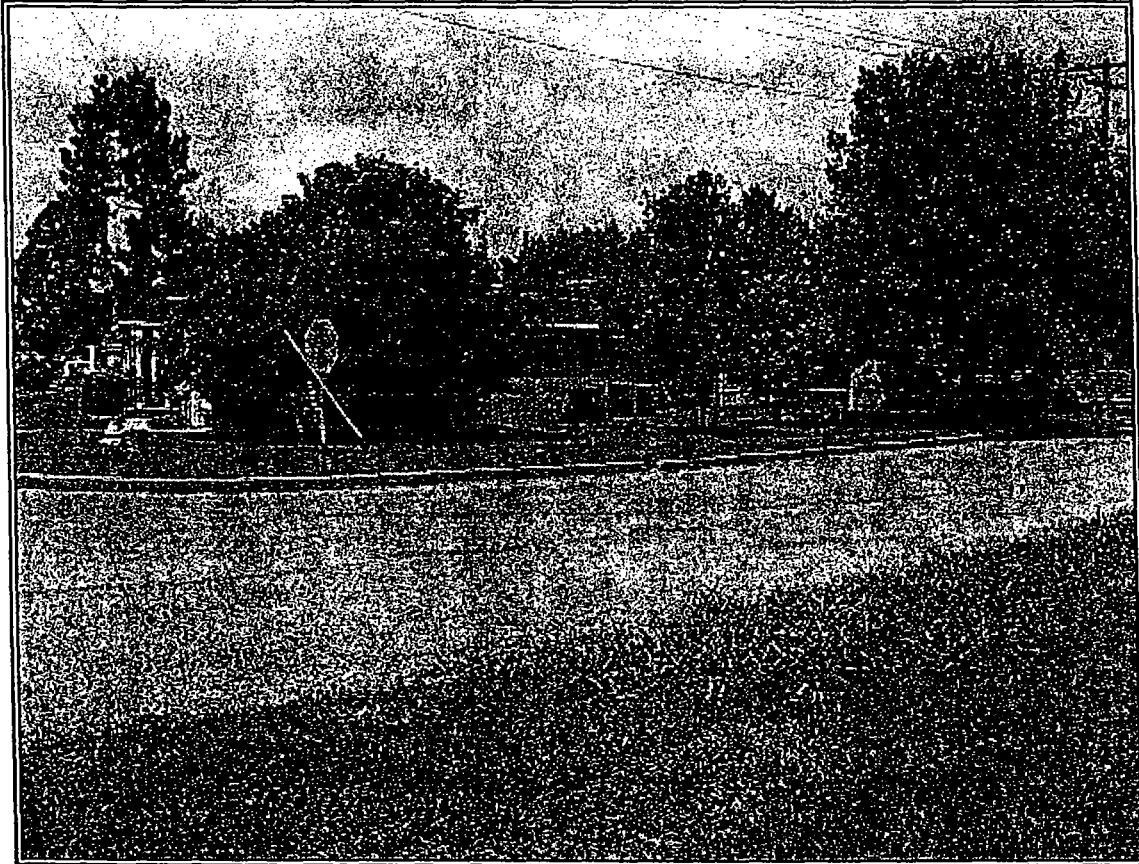
**Site:** 18<sup>th</sup> Street Neighborhood  
Clarksdale, Coahoma County, Mississippi  
TDD No. 4W-05-07-A-008

**Date:** August 9, 2005

**Orientation:** East

**Photographer:** Timothy Maher, START-2

**Witness:** Franki Jewel, START-2



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICIAL SITE PHOTOGRAPH 6**

**Subject:** Location of surface soil sample SN-06-SS at 223 19<sup>th</sup> Street.

**Site:** 18<sup>th</sup> Street Neighborhood  
Clarksdale, Coahoma County, Mississippi  
TDD No. 4W-05-07-A-008

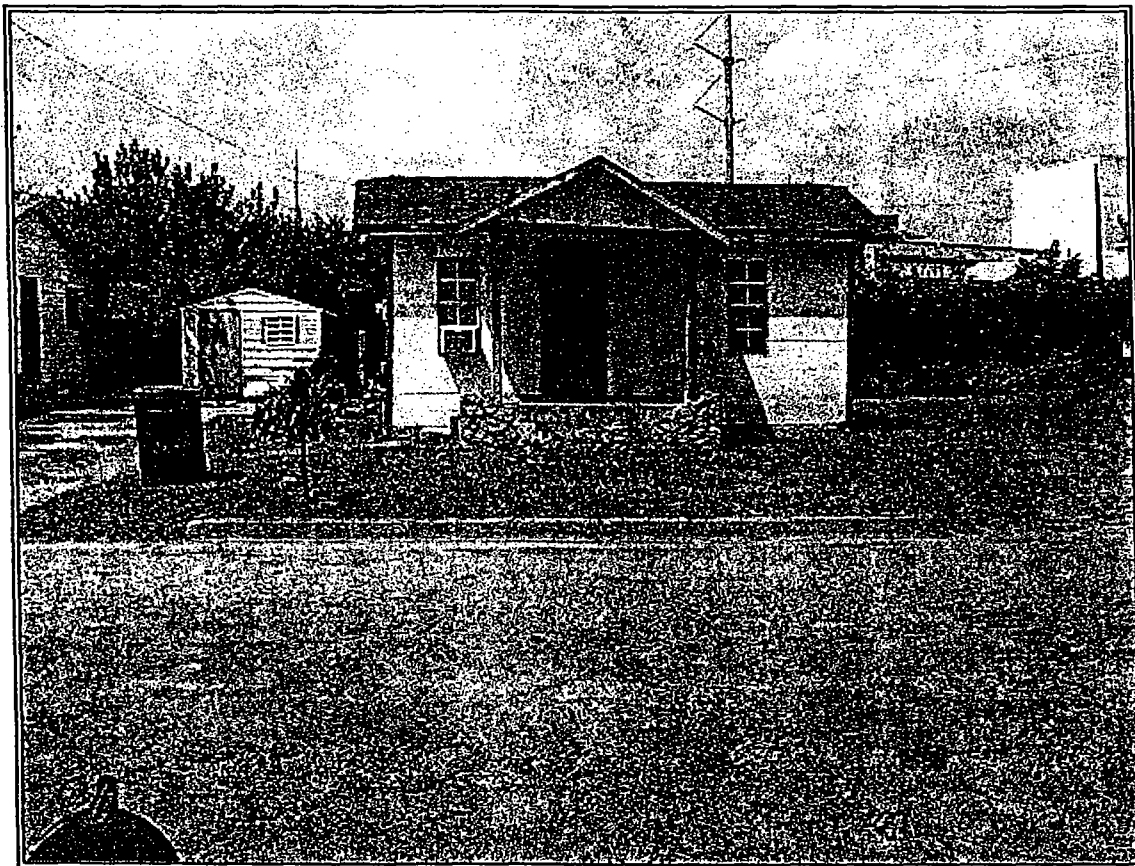
**Date:** August 9, 2005

**Orientation:** West

**Photographer:** Timothy Maher, START-2

**Witness:** Franki Jewel, START-2

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICIAL SITE PHOTOGRAPH 7**

**Subject:** Location of surface soil sample SN-07-SS at 225 18<sup>th</sup> Street.

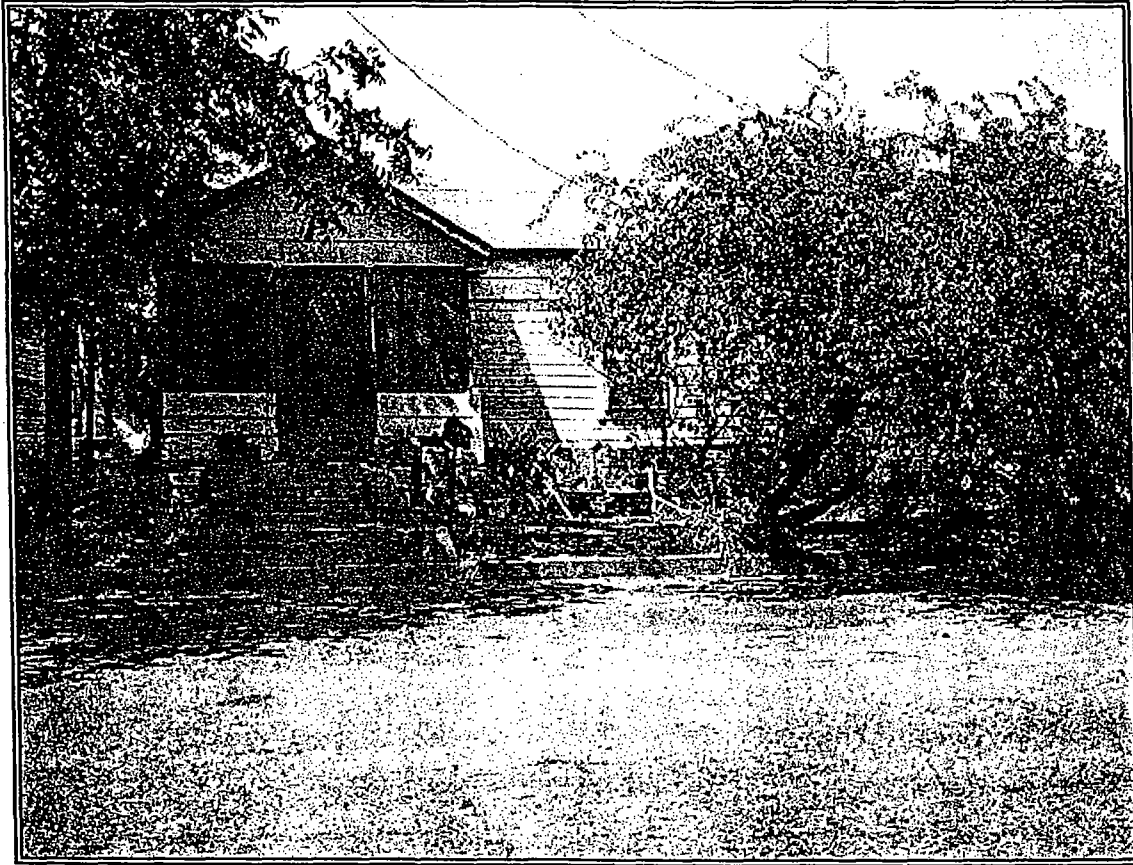
**Site:** 18<sup>th</sup> Street Neighborhood  
Clarksdale, Coahoma County, Mississippi  
TDD No. 4W-05-07-A-008

**Date:** August 9, 2005

**Orientation:** North

**Photographer:** Timothy Maher, START-2

**Witness:** Franki Jewel, START-2



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICIAL SITE PHOTOGRAPH 8**

**Subject:** Location of surface soil sample SN-08-SS at 218 18<sup>th</sup> Street.

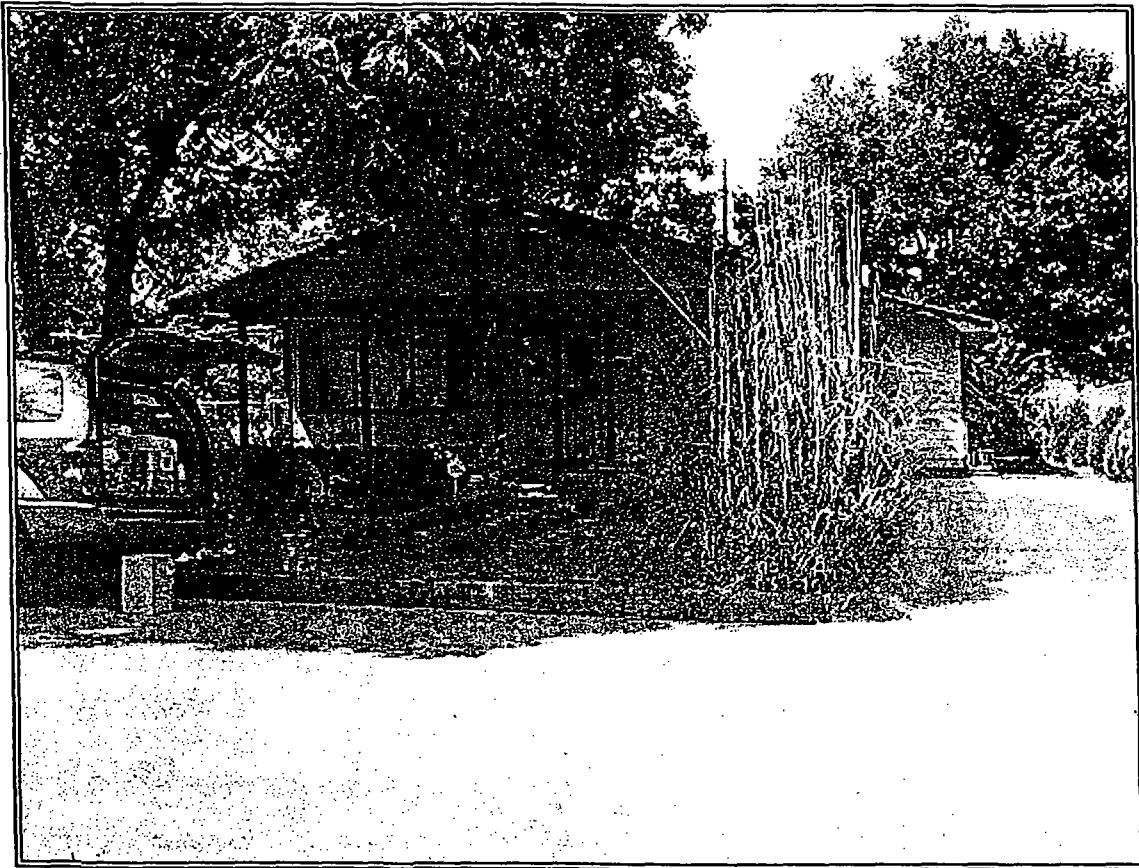
**Site:** 18<sup>th</sup> Street Neighborhood  
Clarksdale, Coahoma County, Mississippi  
TDD No. 4W-05-07-A-008

**Date:** August 9, 2005

**Orientation:** South

**Photographer:** Timothy Maher, START-2

**Witness:** Franki Jewel, START-2



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICIAL SITE PHOTOGRAPH 9**

**Subject:** Location of surface soil sample SN-09-SS at 133 17<sup>th</sup> Street.

**Site:** 18<sup>th</sup> Street Neighborhood  
Clarksdale, Coahoma County, Mississippi  
TDD No. 4W-05-07-A-008

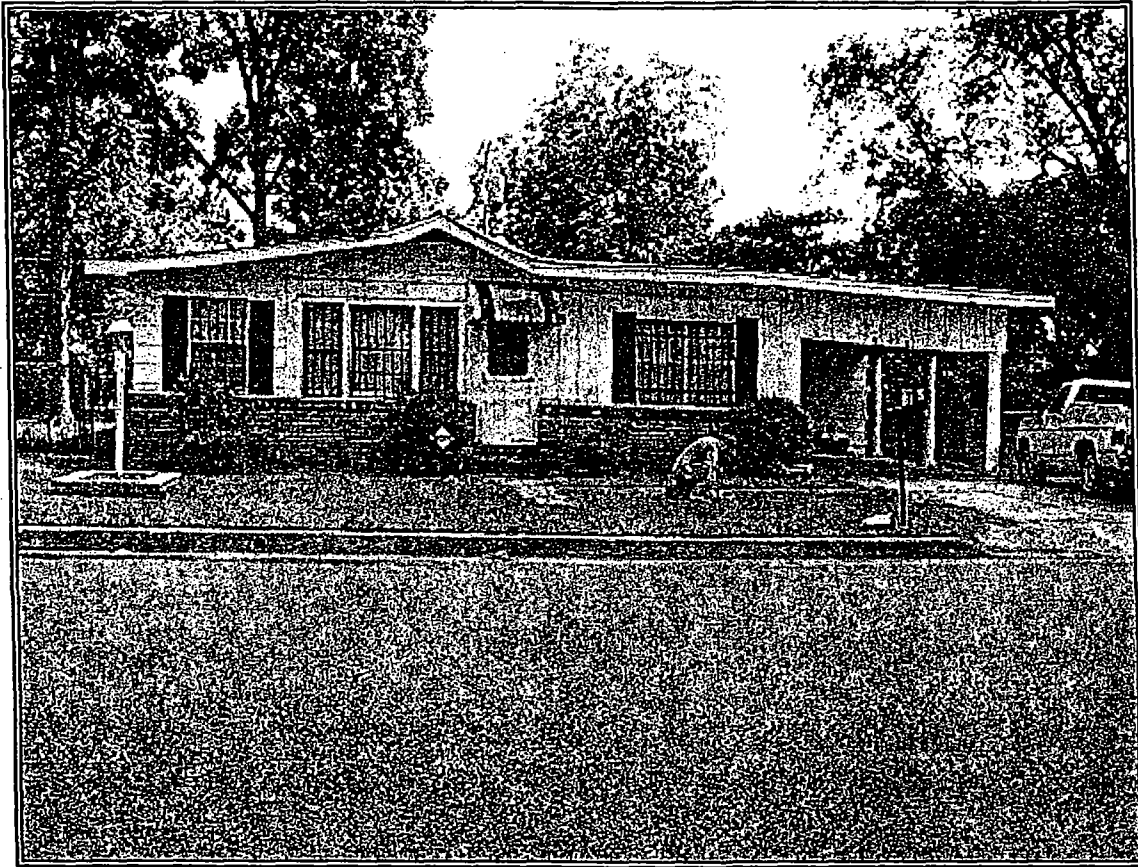
**Date:** August 9, 2005

**Orientation:** East

**Photographer:** Franki Jewel, START-2

**Witness:** Timothy Maher, START-2

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICIAL SITE PHOTOGRAPH 10**

**Subject:** Location of surface soil sample SN-10-SS at 136 17<sup>th</sup> Street.

**Site:** 18<sup>th</sup> Street Neighborhood  
Clarksdale, Coahoma County, Mississippi  
TDD No. 4W-05-07-A-008

**Date:** August 9, 2005

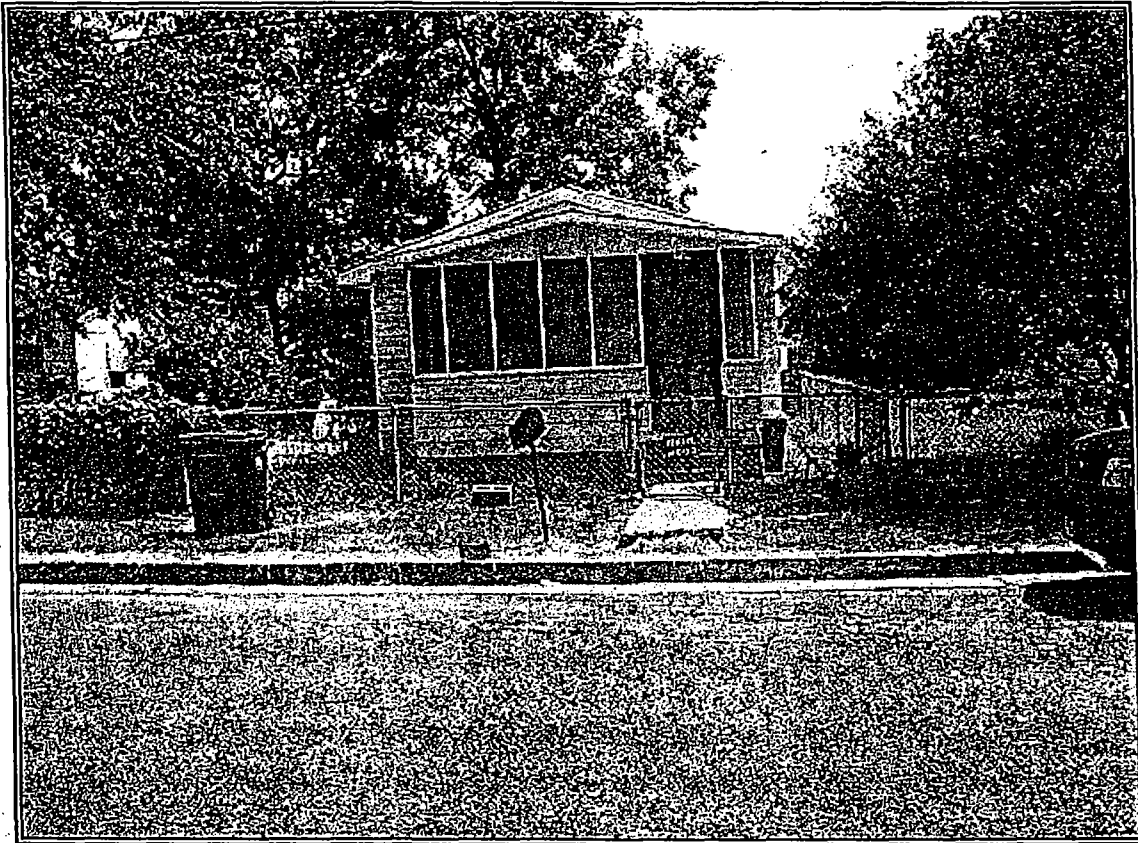
**Orientation:** North

**Photographer:** Franki Jewel, START-2

**Witness:** Timothy Maher, START-2

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICIAL SITE PHOTOGRAPH 11**

**Subject:** Location of surface soil sample SN-11-SS at 138 17<sup>th</sup> Street.

**Site:** 18<sup>th</sup> Street Neighborhood  
Clarksdale, Coahoma County, Mississippi  
TDD No. 4W-05-07-A-008

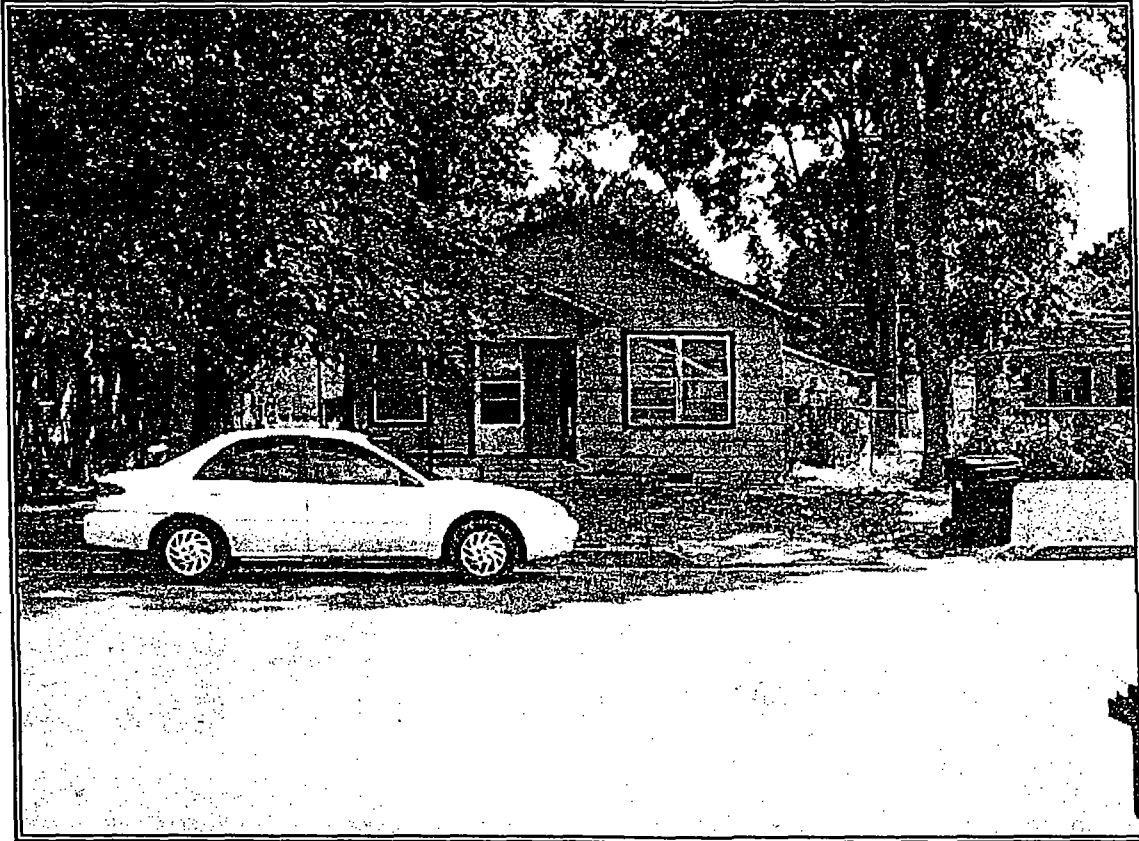
**Date:** August 9, 2005

**Orientation:** South

**Photographer:** Franki Jewel, START-2

**Witness:** Timothy Maher, START-2

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICIAL SITE PHOTOGRAPH 12**

**Subject:** Location of surface soil sample SN-12-SS at 132 16<sup>th</sup> Street.

**Site:** 18<sup>th</sup> Street Neighborhood  
Clarksdale, Coahoma County, Mississippi  
TDD No. 4W-05-07-A-008

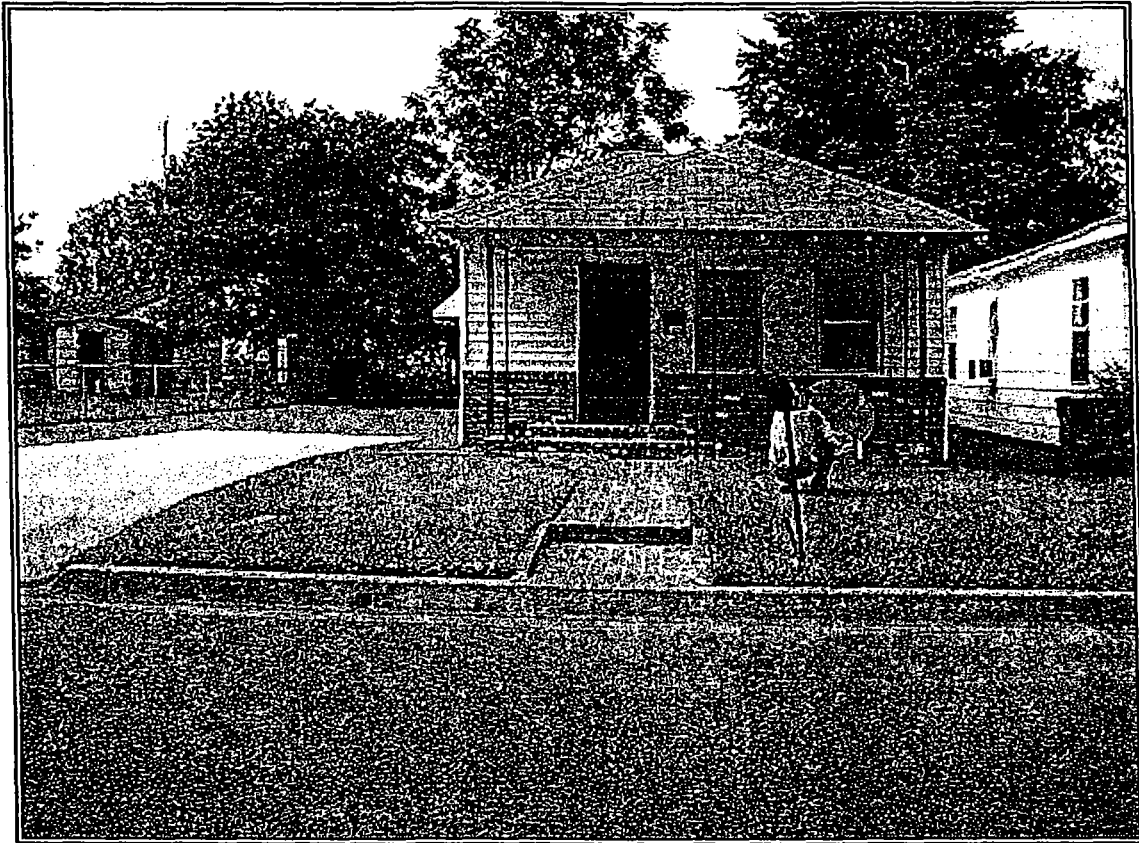
**Date:** August 9, 2005

**Orientation:** South

**Photographer:** Franki Jewel, START-2

**Witness:** Timothy Maher, START-2

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICIAL SITE PHOTOGRAPH 13**

**Subject:** Location of surface soil sample SN-13-SS at 135 16<sup>th</sup> Street.

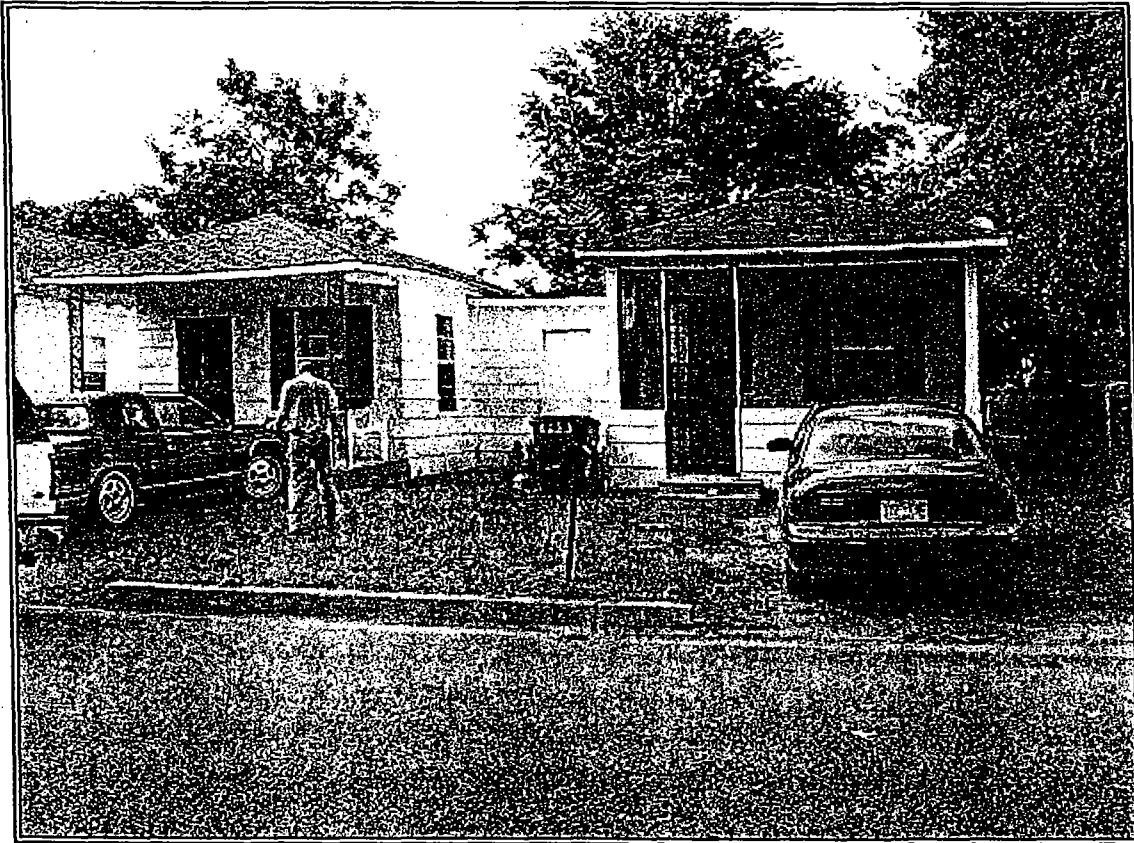
**Site:** 18<sup>th</sup> Street Neighborhood  
Clarksdale, Coahoma County, Mississippi  
TDD No. 4W-05-07-A-008

**Date:** August 9, 2005

**Orientation:** North

**Photographer:** Franki Jewel, START-2

**Witness:** Timothy Maher, START-2



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICIAL SITE PHOTOGRAPH 14**

**Subject:** Location of surface soil sample SN-14-SS & SN-16-SS at 137 & 139 16<sup>th</sup> Street.

**Site:** 18<sup>th</sup> Street Neighborhood  
Clarksdale, Coahoma County, Mississippi  
TDD No. 4W-05-07-A-008

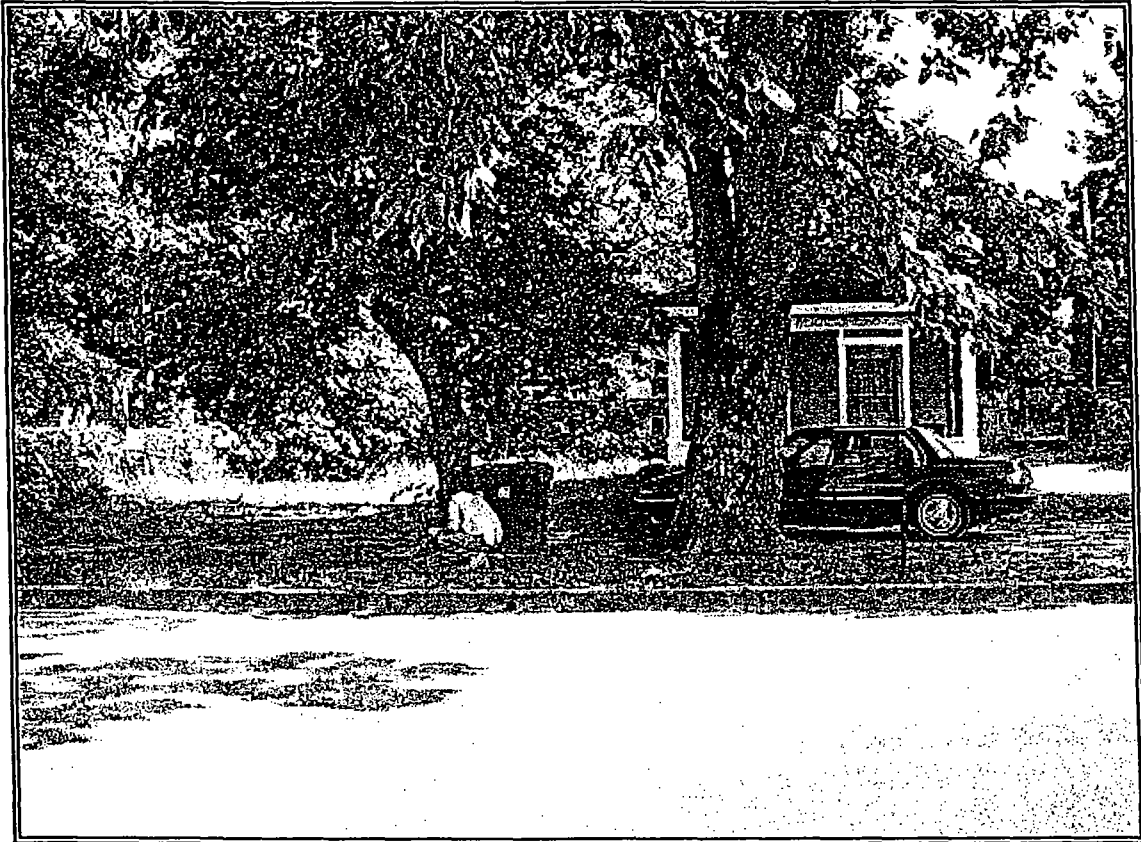
**Date:** August 9, 2005

**Orientation:** North

**Photographer:** Franki Jewel, START-2

**Witness:** Timothy Maher, START-2

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICIAL SITE PHOTOGRAPH 15**

**Subject:** Location of surface soil sample SN-15-SS at 142 16<sup>th</sup> Street.

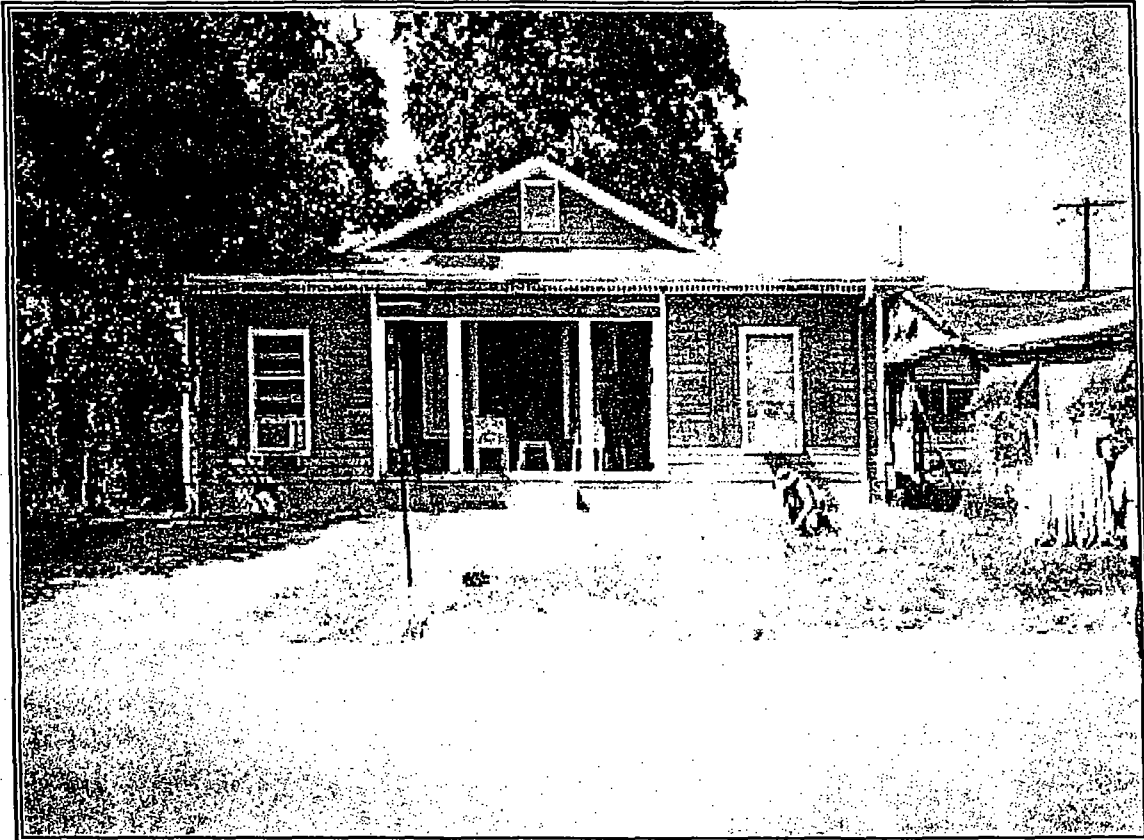
**Site:** 18<sup>th</sup> Street Neighborhood  
Clarksdale, Coahoma County, Mississippi  
TDD No. 4W-05-07-A-008

**Date:** August 9, 2005

**Orientation:** South

**Photographer:** Franki Jewel, START-2

**Witness:** Timothy Maher, START-2



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICIAL SITE PHOTOGRAPH 16**

**Subject:** Location of surface soil sample SN-17-SS & SN-25-SS at 133 & 135 15<sup>th</sup> Street.

**Site:** 18<sup>th</sup> Street Neighborhood  
Clarksdale, Coahoma County, Mississippi  
TDD No. 4W-05-07-A-008

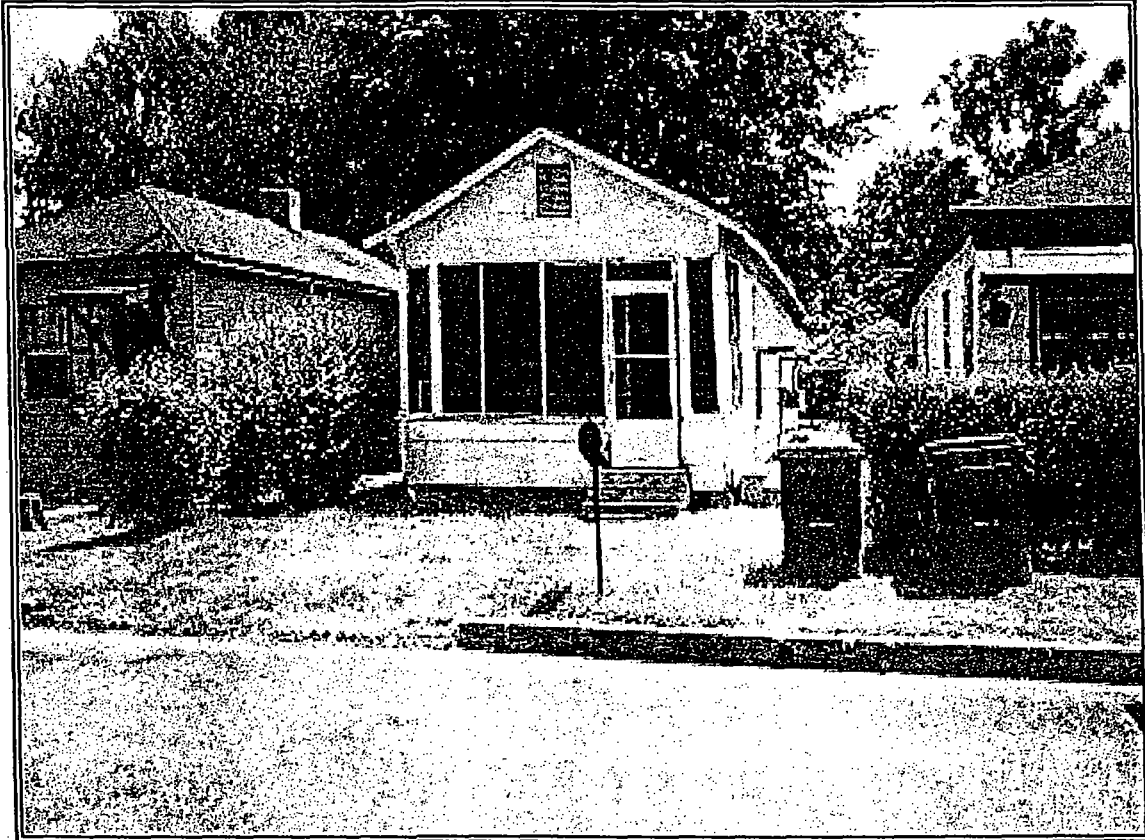
**Date:** August 10, 2005

**Orientation:** North

**Photographer:** Mat Huyser, EPA

**Witness:** Lori Skidmore, START-2

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICIAL SITE PHOTOGRAPH 17**

**Subject:** Location of surface soil sample SN-18-SS at 138 15<sup>th</sup> Street.

**Site:** 18<sup>th</sup> Street Neighborhood  
Clarksdale, Coahoma County, Mississippi  
TDD No. 4W-05-07-A-008

**Date:** August 10, 2005

**Orientation:** South

**Photographer:** Mat Huyser, EPA

**Witness:** Lori Skidmore, START-2

This document was prepared by Weston Solutions, Inc., expressly for EPA. It shall not be disclosed, in whole or in part, without the express written permission of EPA.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICIAL SITE PHOTOGRAPH 18**

**Subject:** Location of surface soil sample SN-19-SS at 140 15<sup>th</sup> Street.

**Site:** 18<sup>th</sup> Street Neighborhood  
Clarksdale, Coahoma County, Mississippi  
TDD No. 4W-05-07-A-008

**Date:** August 10, 2005

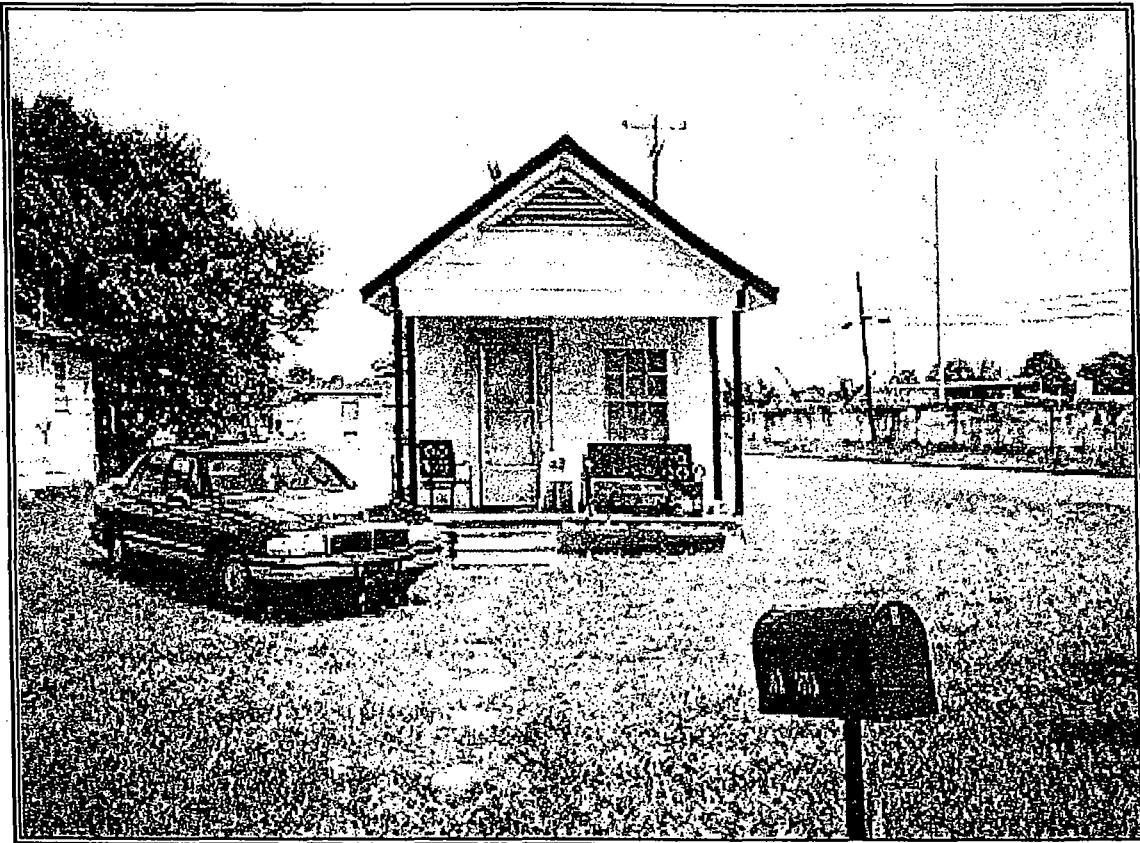
**Orientation:** South

**Photographer:** Steve Spurlin, EPA

**Witness:** Lori Skidmore, START-2

This document was prepared by Weston Solutions, Inc., expressly for EPA. It shall not be disclosed, in whole or in part, without the express written permission of EPA.





**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICIAL SITE PHOTOGRAPH 19**

**Subject:** Location of surface soil sample SN-20-SS at 143 15<sup>th</sup> Street.

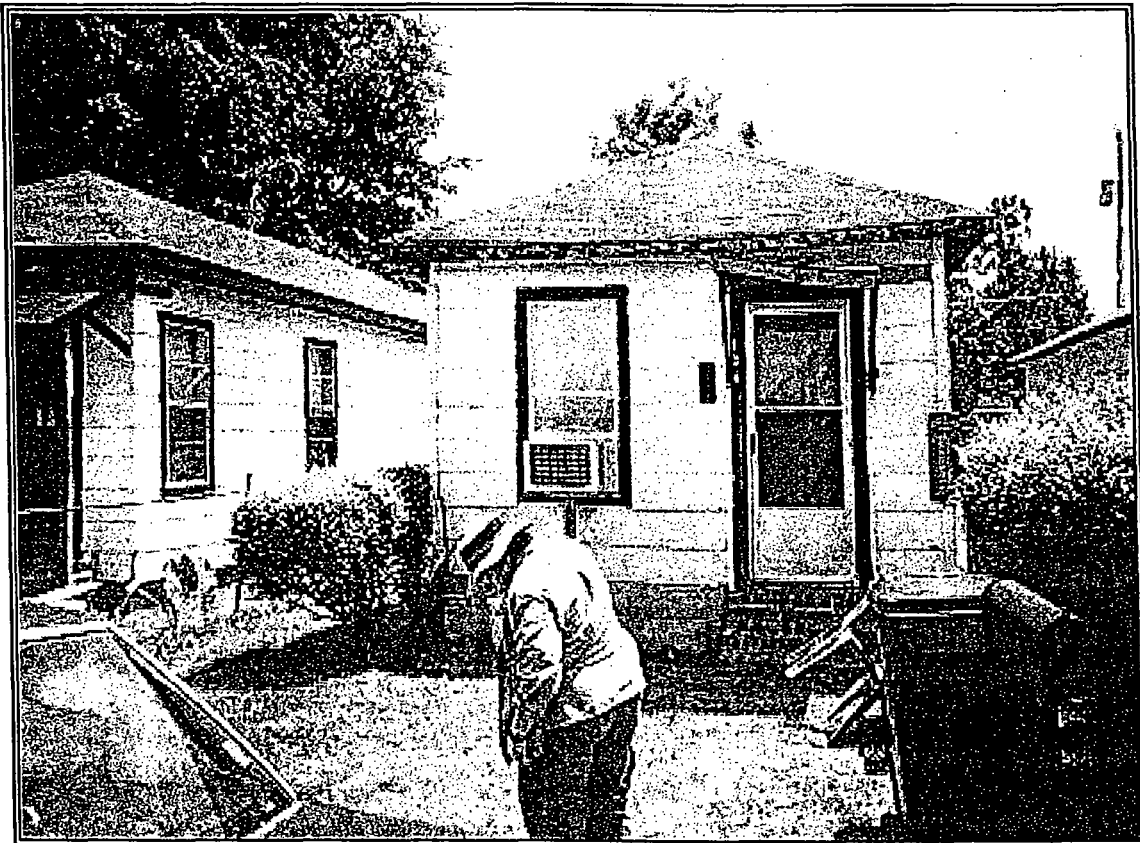
**Site:** 18<sup>th</sup> Street Neighborhood  
Clarksdale, Coahoma County, Mississippi  
TDD No. 4W-05-07-A-008

**Date:** August 10, 2005

**Orientation:** South

**Photographer:** Steve Spurlin, EPA

**Witness:** Lori Skidmore, START-2



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICIAL SITE PHOTOGRAPH 20**

**Subject:** Location of surface soil sample SN-21-SS at 134 15<sup>th</sup> Street.

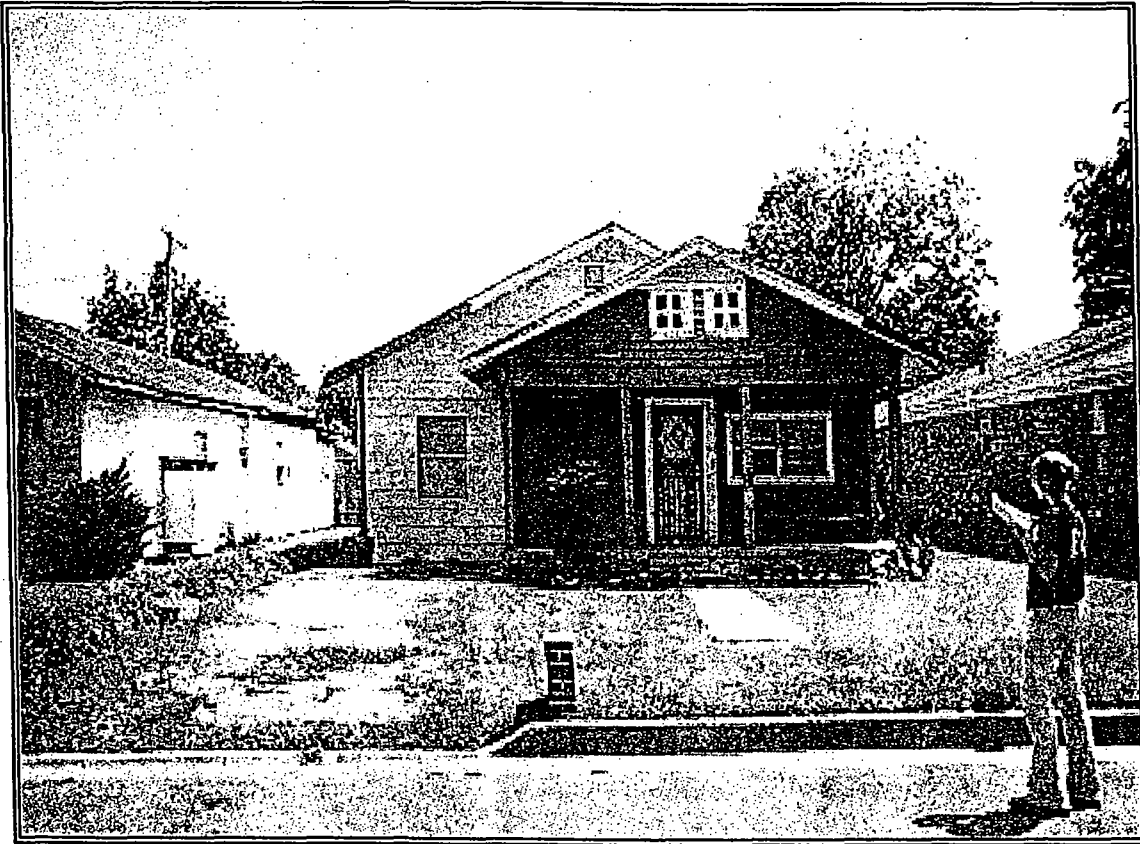
**Site:** 18<sup>th</sup> Street Neighborhood  
Clarksdale, Coahoma County, Mississippi  
TDD No. 4W-05-07-A-008

**Date:** August 10, 2005

**Orientation:** South

**Photographer:** Steve Spurlin, EPA

**Witness:** Lori Skidmore, START-2



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICIAL SITE PHOTOGRAPH 21**

**Subject:** Location of surface soil sample SN-22-SS at 116 14<sup>th</sup> Street.

**Site:** 18<sup>th</sup> Street Neighborhood  
Clarksdale, Coahoma County, Mississippi  
TDD No. 4W-05-07-A-008

**Date:** August 10, 2005

**Orientation:** South

**Photographer:** Timothy Maher, START-2

**Witness:** Alyssa Hughes, EPA

This document was prepared by Weston Solutions, Inc., expressly for EPA. It shall not be disclosed, in whole or in part, without the express written permission of EPA.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICIAL SITE PHOTOGRAPH 22**

**Subject:** Location of surface soil sample SN-23-SS at 118 14<sup>th</sup> Street.

**Site:** 18<sup>th</sup> Street Neighborhood  
Clarksdale, Coahoma County, Mississippi  
TDD No. 4W-05-07-A-008

**Date:** August 10, 2005

**Orientation:** South

**Photographer:** Franki Jewel, START-2

**Witness:** Timothy Maher, START-2



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICIAL SITE PHOTOGRAPH 23**

**Subject:** Location of surface soil sample SN-24-SS at 133 14<sup>th</sup> Street.

**Site:** 18<sup>th</sup> Street Neighborhood  
Clarksdale, Coahoma County, Mississippi  
TDD No. 4W-05-07-A-008

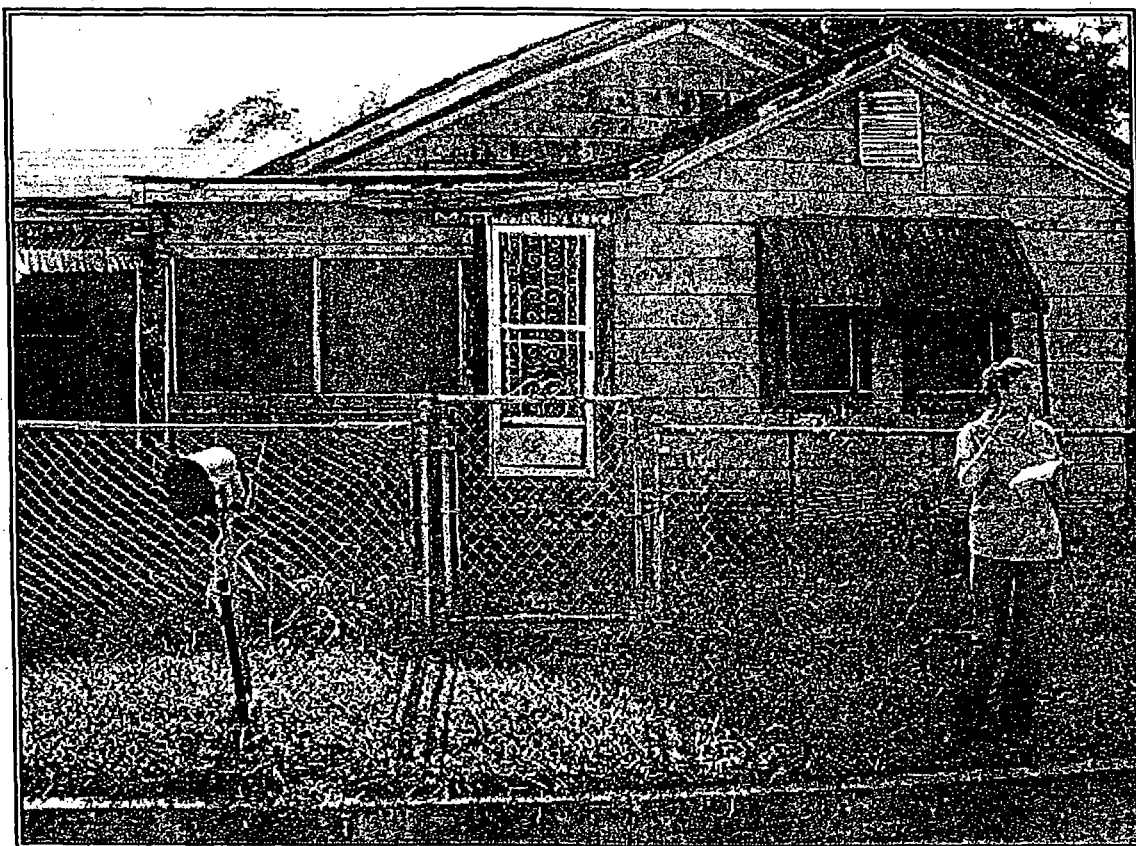
**Date:** August 10, 2005

**Orientation:** North

**Photographer:** Franki Jewel, START-2

**Witness:** Timothy Maher, START-2

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICIAL SITE PHOTOGRAPH 24**

**Subject:** Location of surface soil sample SN-26-SS at 1311 W. Tallahatchie Street.

**Site:** 18<sup>th</sup> Street Neighborhood  
Clarksdale, Coahoma County, Mississippi  
TDD No. 4W-05-07-A-008

**Date:** August 10, 2005      **Orientation:** West

**Photographer:** Timothy Maher, START-2      **Witness:** Leigh Vorreuter, EPA

This document was prepared by Weston Solutions, Inc., expressly for EPA. It shall not be disclosed, in whole or in part, without the express written permission of EPA.



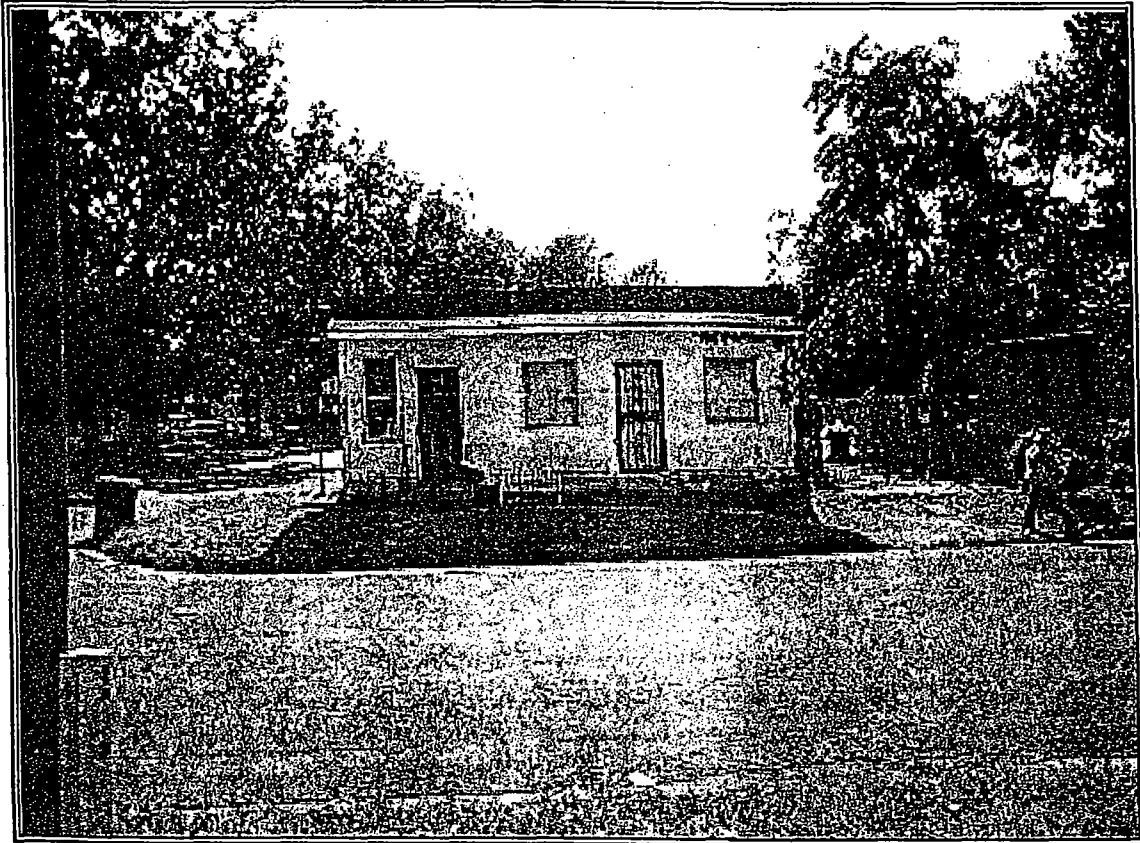
**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICIAL SITE PHOTOGRAPH 25**

**Subject:** Location of surface soil sample SN-27-SS at 1509 W. Tallahatchie Street.

**Site:** 18<sup>th</sup> Street Neighborhood  
Clarksdale, Coahoma County, Mississippi  
TDD No. 4W-05-07-A-008

**Date:** August 10, 2005                      **Orientation:** West

**Photographer:** Mat Huyser, EPA                      **Witness:** Lori Skidmore, START-2



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICIAL SITE PHOTOGRAPH 26**

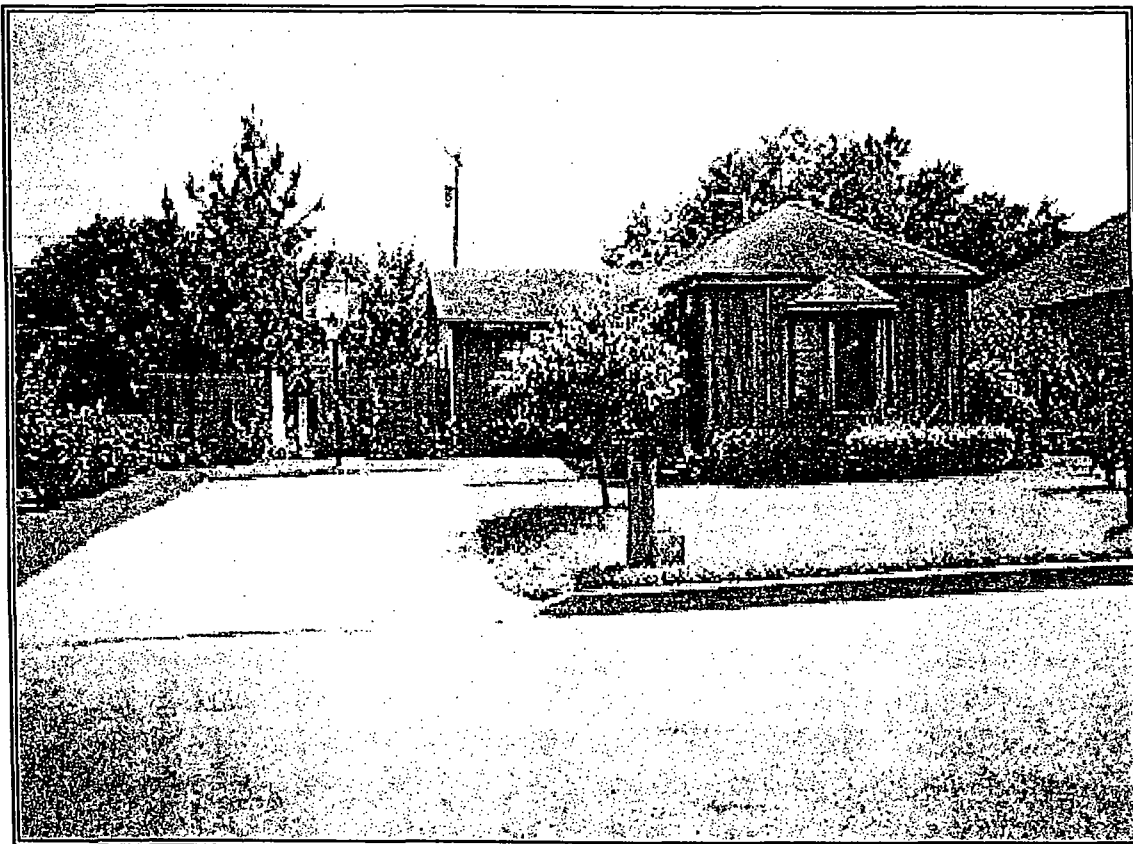
**Subject:** Location of surface soil sample SN-28-SS at 1509 1/2 W. Tallahatchie Street.

**Site:** 18<sup>th</sup> Street Neighborhood  
Clarksdale, Coahoma County, Mississippi  
TDD No. 4W-05-07-A-008

**Date:** August 10, 2005                      **Orientation:** West

**Photographer:** Mat Huyser, EPA                      **Witness:** Lori Skidmore, START-2





**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICIAL SITE PHOTOGRAPH 27**

**Subject:** Location of surface soil sample SN-29-SS at 130 14<sup>th</sup> Street.

**Site:** 18<sup>th</sup> Street Neighborhood  
Clarksdale, Coahoma County, Mississippi  
TDD No. 4W-05-07-A-008

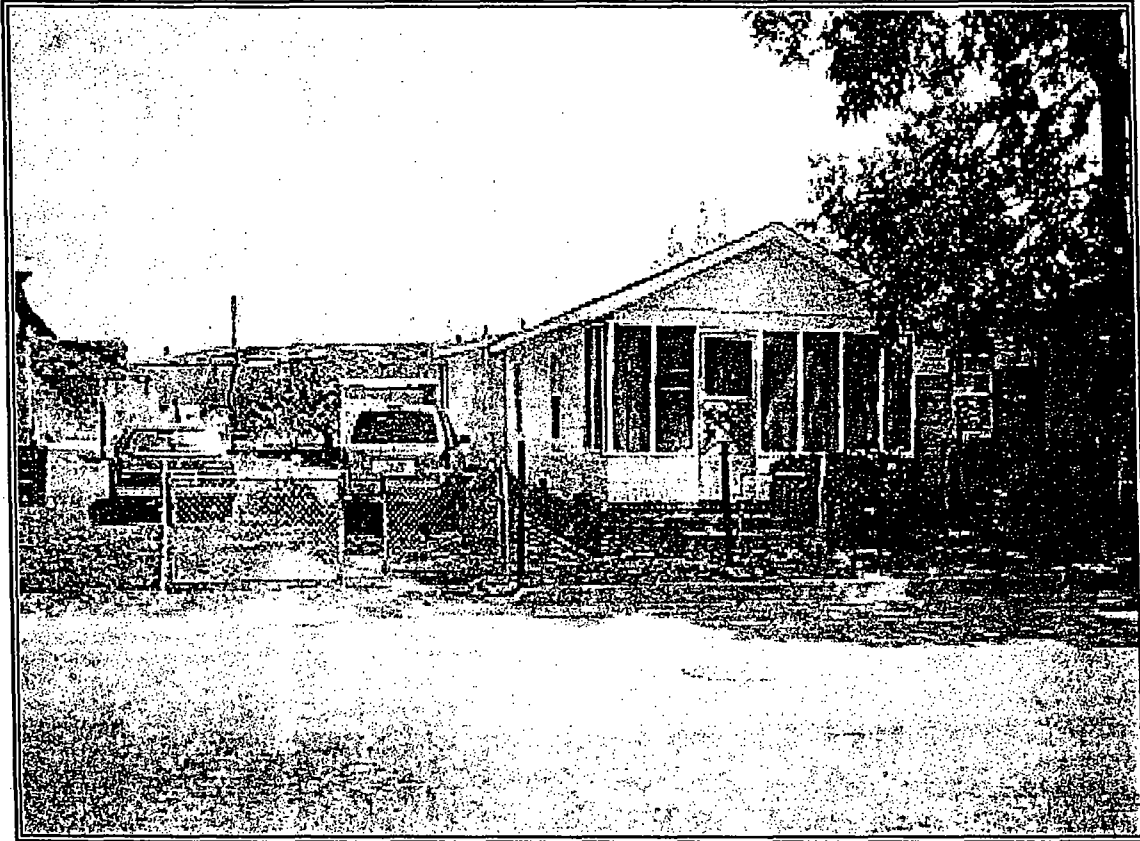
**Date:** August 10, 2005

**Orientation:** South

**Photographer:** Alyssa Hughes, EPA

**Witness:** Timothy Maher, START-2

This document was prepared by Weston Solutions, Inc., expressly for EPA. It shall not be disclosed, in whole or in part, without the express written permission of EPA.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICIAL SITE PHOTOGRAPH 28**

**Subject:** Location of surface soil sample SN-30-SS at 215 18<sup>th</sup> Street.

**Site:** 18<sup>th</sup> Street Neighborhood  
Clarksdale, Coahoma County, Mississippi  
TDD No. 4W-05-07-A-008

**Date:** August 10, 2005

**Orientation:** North

**Photographer:** Mat Huyser, EPA

**Witness:** Lori Skidmore, START-2



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICIAL SITE PHOTOGRAPH 29**

**Subject:** Location of surface soil sample SN-31-SS at 159 19<sup>th</sup> Street.

**Site:** 18<sup>th</sup> Street Neighborhood  
Clarksdale, Coahoma County, Mississippi  
TDD No. 4W-05-07-A-008

**Date:** August 10, 2005

**Orientation:** South

**Photographer:** Franki Jewel, START-2

**Witness:** Timothy Maher, START-2

**APPENDIX E**  
**Analytical Data**

Sample 8325 FY 2005 Project: 05-0800

Produced by: Goddard, Denise

## Metals Scan

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 10:15

Id/Station: SM01MB /

MD No: 3897

Inorg Contractor: LIBRTY

Ending:

Media: GROUNDWATER

RESULTS	UNITS	ANALYTE
200 U	UG/L	Aluminum
NA	UG/L	Antimony
0.16 J	UG/L	Arsenic
NA	UG/L	Barium
NA	UG/L	Beryllium
NA	UG/L	Cadmium
NA	UG/L	Calcium
NA	UG/L	Chromium
NA	UG/L	Cobalt
NA	UG/L	Copper
39 J	UG/L	Iron
NA	UG/L	Lead
NA	UG/L	Magnesium
NA	UG/L	Manganese
NA	UG/L	Total Mercury
NA	UG/L	Nickel
NA	UG/L	Potassium
NA	UG/L	Selenium
NA	UG/L	Silver
NA	UG/L	Sodium
NA	UG/L	Thallium
NA	UG/L	Vanadium
NA	UG/L	Zinc
NA	UG/L	Cyanide

Cyanide Analysis Not Requested

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

METALS SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

Production Date: 09/09/2005 10:41

Sample 8326 FY 2005 Project: 05-0800

Produced by: Goddard, Denise

Metals Scan

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 12:35

Id/Station: SN01MW /

MD No: 3898

Inorg Contractor: LIBRTY

Ending:

Media: GROUNDWATER

D No: 3898

Org Contractor: A4

RESULTS	UNITS	ANALYTE
200 U	UG/L	Aluminum
0.43 UJ	UG/L	Arsenic
76 UJ	UG/L	Iron

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
N-*Presumptive evidence analyte is present; analyte reported as tentative identification.* | NJ-*Presumptive evidence analyte is present; analyte reported as tentative identification.* Reported value is an estimate.  
K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

METALS SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 09/09/2005 10:41

Sample 8327 FY 2005 Project: 05-0800

Produced by: Goddard, Denise

Metals Scan

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 11:55

Id/Station: SN02MW /

MD No: 3899

Inorg Contractor: LIBRTY

Ending:

Media: GROUNDWATER

D No: 3899

Org Contractor: A4

RESULTS	UNITS	ANALYTE
200 U	UG/L	Aluminum
0.12 UJ	UG/L	Arsenic
3000	UG/L	Iron

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
N- Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ- Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
K- Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
L- Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
NA- Not Analyzed. | NAI- Not Analyzed due to Interferences. | A- Analyte analyzed in replicate. Reported value is "average" of replicates.  
R- Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

METALS SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

Production Date: 09/09/2005 10:41

Sample 8328 FY 2005 Project: 05-0800

Produced by: Goddard, Denise

Metals Scan

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 10:35

Id/Station: SN03DSMW /

MD No: 38A0

Inorg Contractor: LIBRTY

Ending:

Media: GROUNDWATER

D No: 38A0

Org Contractor: A4

---

RESULTS	UNITS	ANALYTE
200 U	UG/L	Aluminum
0.14 UJ	UG/L	Arsenic
38 UJ	UG/L	Iron

---

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
N- Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ- Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
K- Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
L- Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
NA- Not Analyzed. | NAI- Not Analyzed due to Interferences. | A- Analyte analyzed in replicate. Reported value is "average" of replicates.  
R- Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.



## METALS SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 09/09/2005 10:41

Sample 8329 FY 2005 Project: 05-0800

Produced by: Goddard, Denise

**Metals Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 10:35

Id/Station: SN03MW /

MD No: 38A1

Inorg Contractor: LIBRTY

Ending:

Media: GROUNDWATER

D No: 38A1

Org Contractor: A4

RESULTS	UNITS	ANALYTE
200 U	UG/L	Aluminum
0.44 UJ	UG/L	Arsenic
38 UJ	UG/L	Iron

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

## METALS SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 09/09/2005 10:41

Sample 8330 FY 2005 Project: 05-0800

Produced by: Goddard, Denise

## Metals Scan

Requestor:

Project Leader: SSPURLIN

Facility: 18th Street Assessment

Clarksdale, MS

Beginning: 08/10/2005 11:30

Program: SF

Case No: 34517

Ending:

Id/Station: SN04MW /

MD No: 38A2

Inorg Contractor: LIBRTY

Media: GROUNDWATER

D No: 38A2

Org Contractor: A4

RESULTS	UNITS	ANALYTE
200 U	UG/L	Aluminum
0.24 UJ	UG/L	Arsenic
9900	UG/L	Iron

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

## METALS SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

Production Date: 09/09/2005 10:41

Sample 8331 FY 2005 Project: 05-0800

Produced by: Goddard, Denise

## Metals Scan

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 09:45

Id/Station: SN01SS /

MD No: 38A5

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38A5

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
4700	MG/KG	Aluminum
20	MG/KG	Arsenic
8800	MG/KG	Iron
7	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

**METALS SAMPLE ANALYSIS**

**EPA - REGION IV SESD, ATHENS, GA**

**Production Date: 09/09/2005 10:41**

Sample 8332 FY 2005 Project: 05-0800

Produced by: Goddard, Denise

**Metals Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/09/2005 10:45

Id/Station: SN02SS /

MD No: 38A6

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38A6

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
8500	MG/KG	Aluminum
4.8	MG/KG	Arsenic
14000	MG/KG	Iron
25	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

Sample 8333 FY 2005 Project: 05-0800

Produced by: Goddard, Denise

**Metals Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/09/2005 11:10

Id/Station: SN03SS /

MD No: 38A7

Ending:

Media: SURFACE SOIL

D No: 38A7

Inorg Contractor: LIBRTY

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
6500	MG/KG	Aluminum
4.7	MG/KG	Arsenic
11000	MG/KG	Iron
12	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

## METALS SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

Production Date: 09/09/2005 10:41

Sample 8334 FY 2005 Project: 05-0800

Produced by: Goddard, Denise

**Metals Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/09/2005 11:17

Id/Station: SN04SS /

MD No: 38A8

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38A8

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
7400	MG/KG	Aluminum
8.1	MG/KG	Arsenic
12000	MG/KG	Iron
12	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
NA-Not Analyzed. | NAI-Not Analyzed due to interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

Sample 8335 FY 2005 Project: 05-0800

Produced by: Goddard, Denise

**Metals Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/09/2005 11:30

Id/Station: SN05SS /

MD No: 38A9

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38A9

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
7200	MG/KG	Aluminum
5.9	MG/KG	Arsenic
13000	MG/KG	Iron
14	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N- Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ- Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K- Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L- Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA- Not Analyzed. | NAI- Not Analyzed due to Interferences. | A- Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R- Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

**METALS SAMPLE ANALYSIS**

**EPA - REGION IV SEDS, ATHENS, GA**

**Production Date: 09/09/2005 10:41**

Sample 8336 FY 2005 Project: 05-0800

Produced by: Goddard, Denise

**Metals Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 11:53

Id/Station: SN06SS /

MD No: 38B0

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38B0

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
7500	MG/KG	Aluminum
5.8	MG/KG	Arsenic
13000	MG/KG	Iron
12	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-*Presumptive evidence analyte is present; analyte reported as tentative identification.* | NJ-*Presumptive evidence analyte is present; analyte reported as tentative identification.* Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.



**METALS SAMPLE ANALYSIS**

**EPA - REGION IV SEDS, ATHENS, GA**

**Production Date: 09/09/2005 10:41**

Sample 8337 FY 2005 Project: 05-0800

Produced by: Goddard, Denise

Requestor:

Project Leader: SSPURLIN

Beginning: 08/09/2005 14:20

Ending:

**Metals Scan**

Facility: 18th Street Assessment

Clarksdale, MS

Program: SF

Case No: 34517

Id/Station: SN07SS /

MD No: 38B1

Inorg Contractor: LIBRTY

Media: SURFACE SOIL

D No: 38B1

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
5600	MG/KG	Aluminum
6.4	MG/KG	Arsenic
12000	MG/KG	Iron
16	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N- Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ- Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K- Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L- Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA- Not Analyzed. | NAI- Not Analyzed due to Interferences. | A- Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R- Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

**METALS SAMPLE ANALYSIS**

**EPA - REGION IV SESD, ATHENS, GA**

**Production Date: 09/09/2005 10:41**

Sample **8338** FY **2005** Project: **05-0800**

Produced by: Goddard, Denise

**Metals Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/09/2005 14:37

Id/Station: SN08SS /

MD No: 38B2

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38B2

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
7100	MG/KG	Aluminum
11	MG/KG	Arsenic
22000	MG/KG	Iron
21	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

**METALS SAMPLE ANALYSIS**

**EPA - REGION IV SESD, ATHENS, GA**

**Production Date: 09/09/2005 10:41**

Sample **8339** FY **2005** Project: **05-0800**

Produced by: Goddard, Denise

**Metals Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/09/2005 15:05

Id/Station: SN09SS /

MD No: 38B3

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38B3

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
5900	MG/KG	Aluminum
4.4	MG/KG	Arsenic
10000	MG/KG	Iron
9	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

**METALS SAMPLE ANALYSIS**

**EPA - REGION IV SESD, ATHENS, GA**

**Production Date: 09/09/2005 10:41**

Sample 8340 FY 2005 Project: 05-0800

Produced by: Goddard, Denise

**Metals Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/09/2005 15:15

Id/Station: SN10DSS /

MD No: 38B4

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38B4

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
7200	MG/KG	Aluminum
6.6	MG/KG	Arsenic
13000	MG/KG	Iron
21	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

**METALS SAMPLE ANALYSIS**

**EPA - REGION IV SESD, ATHENS, GA**

**Production Date: 09/09/2005 10:41**

Sample **8341** FY **2005** Project: **05-0800**

Produced by: Goddard, Denise

**Metals Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/09/2005 15:15

Id/Station: SN10SS /

MD No: 38B5

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38B5

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
7400	MG/KG	Aluminum
5.1	MG/KG	Arsenic
12000	MG/KG	Iron
21	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

**METALS SAMPLE ANALYSIS**

**EPA - REGION IV SEDS, ATHENS, GA**

**Production Date: 09/09/2005 10:41**

Sample 8342 FY 2005 Project: 05-0800

Produced by: Goddard, Denise

**Metals Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/09/2005 15:40

Id/Station: SN11SS /

MD No: 38B6

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38B6

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
6700	MG/KG	Aluminum
4.7	MG/KG	Arsenic
12000	MG/KG	Iron
16	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

Sample 8343 FY 2005 Project: 05-0800

Produced by: Goddard, Denise

**Metals Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/09/2005 16:25

Id/Station: SN12SS /

MD No: 38B7

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38B7

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
6400	MG/KG	Aluminum
9.1	MG/KG	Arsenic
16000	MG/KG	Iron
22	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

**METALS SAMPLE ANALYSIS**

**EPA - REGION IV SESD, ATHENS, GA**

**Production Date: 09/09/2005 10:41**

Sample 8344 FY 2005 Project: 05-0800

Produced by: Goddard, Denise

**Metals Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/09/2005 16:35

Id/Station: SN13SS /

MD No: 38B8

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38B8

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
6300	MG/KG	Aluminum
5.0	MG/KG	Arsenic
15000	MG/KG	Iron
12	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N- Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ- Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K- Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L- Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA- Not Analyzed. | NAI- Not Analyzed due to Interferences. | A- Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R- Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.



**METALS SAMPLE ANALYSIS**

**EPA - REGION IV SEDS, ATHENS, GA**

**Production Date: 09/09/2005 10:41**

Sample 8345 FY 2005 Project: 05-0800

Produced by: Goddard, Denise

**Metals Scan**

Requestor:

Project Leader: SSPURLIN

Facility: 18th Street Assessment

Clarksdale, MS

Beginning: 08/09/2005 16:45

Program: SF

Case No: 34517

Ending:

Id/Station: SN14SS /

MD No: 38B9

Inorg Contractor: LIBRTY

Media: SURFACE SOIL

D No: 38B9

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
6400	MG/KG	Aluminum
13	MG/KG	Arsenic
16000	MG/KG	Iron
15	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N- Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ- Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

**METALS SAMPLE ANALYSIS**

**EPA - REGION IV. SED, ATHENS, GA**

**Production Date: 09/09/2005 10:41**

Sample **8346** FY **2005** Project: **05-0800**

Produced by: Goddard, Denise

**Metals Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/09/2005 17:05

Id/Station: SN15SS /

MD No: 38C0

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38C0

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
5300	MG/KG	Aluminum
5.2	MG/KG	Arsenic
11000	MG/KG	Iron
15	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

**METALS SAMPLE ANALYSIS**

**EPA - REGION IV SEDS, ATHENS, GA**

**Production Date: 09/09/2005 10:41**

Sample **8347** FY **2005** Project: **05-0800**

**Metals Scan**

Facility: 18th Street Assessment

Clarksdale, MS

Program: SF

Case No: 34517

Id/Station: SN16SS /

MD No: 38C1

Inorg Contractor: LIBRTY

Media: SURFACE SOIL

D No: 38C1

Org Contractor: CEIMIC

Produced by: Goddard, Denise

Requestor:

Project Leader: SSPURLIN

Beginning: 08/09/2005 16:55

Ending:

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
5700	MG/KG	Aluminum
12	MG/KG	Arsenic
14000	MG/KG	Iron
13	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

METALS SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 09/09/2005 10:41

Sample 8348 FY 2005 Project: 05-0800

Produced by: Goddard, Denise

**Metals Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 14:25

Id/Station: SN17SS /

MD No: 38C2

Ending:

Media: SURFACE SOIL

D No: 38C2

Inorg Contractor: LIBRTY

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
5100	MG/KG	Aluminum
5.5	MG/KG	Arsenic
14000	MG/KG	Iron
7	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

**METALS SAMPLE ANALYSIS**

**EPA - REGION IV S&SD, ATHENS, GA**

**Production Date: 09/09/2005 10:41**

Sample **8349** FY **2005** Project: **05-0800**

Produced by: **Goddard, Denise**

**Metals Scan**

Requestor:

Facility: **18th Street Assessment**

**Clarksdale, MS**

Project Leader: **SSPURLIN**

Program: **SF**

Case No: **34517**

Beginning: **08/10/2005 14:10**

Id/Station: **SN18SS /**

MD No: **38C3**

Inorg Contractor: **LIBRTY**

Ending:

Media: **SURFACE SOIL**

D No: **38C3**

Org Contractor: **CEIMIC**

**DATA REPORTED ON DRY WEIGHT BASIS**

RESULTS	UNITS	ANALYTE
7300	MG/KG	Aluminum
9.1	MG/KG	Arsenic
21000	MG/KG	Iron
15	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

**METALS SAMPLE ANALYSIS**

**EPA - REGION IV SESD, ATHENS, GA**

**Production Date: 09/09/2005 10:41**

Sample 8350 FY 2005 Project: 05-0800

Produced by: Goddard, Denise

**Metals Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 12:10

Id/Station: SN19SS /

MD No: 38C4

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38C4

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
7100	MG/KG	Aluminum
7.6	MG/KG	Arsenic
17000	MG/KG	Iron
12	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

METALS SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

Production Date: 09/09/2005 10:41

Sample 8351 FY 2005 Project: 05-0800

Produced by: Goddard, Denise

Metals Scan

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 11:47

Id/Station: SN20DSS /

MD No: 38C5

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38C5

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
5600	MG/KG	Aluminum
4.6	MG/KG	Arsenic
11000	MG/KG	Iron
9	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

**METALS SAMPLE ANALYSIS**

**EPA - REGION IV SEDS, ATHENS, GA**

**Production Date: 09/09/2005 10:41**

Sample **8352** FY **2005** Project: **05-0800**

Produced by: Goddard, Denise

**Metals Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 11:47

Id/Station: SN20SS /

MD No: 38C6

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38C6

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
5700	MG/KG	Aluminum
4.8	MG/KG	Arsenic
12000	MG/KG	Iron
13	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NA1-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.



**METALS SAMPLE ANALYSIS**

**EPA - REGION IV SESD, ATHENS, GA**

**Production Date: 09/09/2005 10:41**

Sample **8353** · FY **2005** Project: **05-0800**

Produced by: Goddard, Denise

Requestor:

Project Leader: SSPURLIN

Beginning: 08/10/2005 13:55

Ending:

**Metals Scan**

Facility: 18th Street Assessment

Clarksdale, MS

Program: SF

Case No: 34517

Id/Station: SN21SS /

MD No: 38C7

Inorg Contractor: LIBRTY

Media: SURFACE SOIL

D No: 38C7

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
6000	MG/KG	Aluminum
6.0	MG/KG	Arsenic
14000	MG/KG	Iron
3	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

**METALS SAMPLE ANALYSIS**

**EPA - REGION IV SEDS, ATHENS, GA**

**Production Date: 09/09/2005 10:41**

Sample **8354** FY **2005** Project: **05-0800**

Produced by: Goddard, Denise

**Metals Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 14:50

Id/Station: SN22SS /

MD No: 38C8

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38C8

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
7100	MG/KG	Aluminum
5.7	MG/KG	Arsenic
14000	MG/KG	Iron
13	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

**METALS SAMPLE ANALYSIS**

**EPA - REGION IV SESD, ATHENS, GA**

**Production Date: 09/09/2005 10:41**

Sample 8355 FY 2005 Project: 05-0800

Produced by: Goddard, Denise

**Metals Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 15:00

Id/Station: SN23SS /

MD No: 38C9

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38C9

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
7600	MG/KG	Aluminum
6.4	MG/KG	Arsenic
13000	MG/KG	Iron
18	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

METALS SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

Production Date: 09/09/2005 10:41

Sample 8356 FY 2005 Project: 05-0800

Produced by: Goddard, Denise

Requestor:

Project Leader: SSPURLIN

Beginning: 08/10/2005 15:15

Ending:

Metals Scan

Facility: 18th Street Assessment

Clarksdale, MS

Program: SF

Case No: 34517

Id/Station: SN24SS /

MD No: 38D0

Inorg Contractor: LIBRTY

Media: SURFACE SOIL

D No: 38D0

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
5700	MG/KG	Aluminum
6.6	MG/KG	Arsenic
14000	MG/KG	Iron
8	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

METALS SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

Production Date: 09/09/2005 10:41

Sample 8357 FY 2005 Project: 05-0800

Produced by: Goddard, Denise

Requestor:

Project Leader: SSPURLIN

Beginning: 08/10/2005 15:20

Ending:

Metals Scan

Facility: 18th Street Assessment

Clarksdale, MS

Program: SF

Case No: 34517

Id/Station: SN25SS /

MD No: 38D1

Inorg Contractor: LIBRTY

Media: SURFACE SOIL

D No: 38D1

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
7300	MG/KG	Aluminum
6.9	MG/KG	Arsenic
16000	MG/KG	Iron
22	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

METALS SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 09/09/2005 10:41

Sample 8358 FY 2005 Project: 05-0800

Produced by: Goddard, Denise

Metals Scan

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 17:00

Id/Station: SN26SS /

MD No: 38D2

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38D2

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
5900	MG/KG	Aluminum
9.9	MG/KG	Arsenic
23000	MG/KG	Iron
5	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

**METALS SAMPLE ANALYSIS**

**EPA - REGION IV SESD, ATHENS, GA**

**Production Date: 09/09/2005 10:41**

Sample **8359** FY **2005** Project: **05-0800**

Produced by: Goddard, Denise

**Metals Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 17:00

Id/Station: SN27SS /

MD No: 38D3

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38D3

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
6400	MG/KG	Aluminum
5.3	MG/KG	Arsenic
14000	MG/KG	Iron
16	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N- Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ- Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K- Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L- Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA- Not Analyzed. | NAI- Not Analyzed due to Interferences. | A- Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R- Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

METALS SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

Production Date: 09/09/2005 10:41

Sample 8360 FY 2005 Project: 05-0800

Produced by: Goddard, Denise

Metals Scan

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 16:50

Id/Station: SN28SS /

MD No: 38D4

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38D4

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
6300	MG/KG	Aluminum
4.3	MG/KG	Arsenic
9900	MG/KG	Iron
12	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
N- Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ- Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
K- Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
L- Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
NA- Not Analyzed. | NAI- Not Analyzed due to Interferences. | A- Analyte analyzed in replicate. Reported value is "average" of replicates.  
R- Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.



**METALS SAMPLE ANALYSIS**

**EPA - REGION IV SESD, ATHENS, GA**

**Production Date: 09/09/2005 10:41**

Sample **8361** FY **2005** Project: **05-0800**

Produced by: Goddard, Denise

**Metals Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 15:05

Id/Station: SN29SS /

MD No: 38D5

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38D5

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
5600	MG/KG	Aluminum
11	MG/KG	Arsenic
21000	MG/KG	Iron
47	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N- Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ- Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

**METALS SAMPLE ANALYSIS**

**EPA - REGION IV SESD; ATHENS, GA**

**Production Date: 09/09/2005 10:41**

Sample **8362** FY **2005** Project: **05-0800**

Produced by: Goddard, Denise

**Metals Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 11:15

Id/Station: SN30SS /

MD No: 38D6

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38D6

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
6300	MG/KG	Aluminum
4.0	MG/KG	Arsenic
11000	MG/KG	Iron
7	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N- Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ- Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K- Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L- Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA- Not Analyzed. | NAI- Not Analyzed due to Interferences. | A- Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R- Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

**METALS SAMPLE ANALYSIS**

**EPA - REGION IV SEDS, ATHENS, GA**

**Production Date: 09/09/2005 10:41**

Sample 8363 FY 2005 Project: 05-0800

Produced by: Goddard, Denise

**Metals Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 16:30

Id/Station: SN31SS /

MD No: 38D7

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38D7

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
7000	MG/KG	Aluminum
5.8	MG/KG	Arsenic
17000	MG/KG	Iron
3	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N- Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ- Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K- Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L- Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA- Not Analyzed. | NAI- Not Analyzed due to Interferences. | A- Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R- Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

METALS SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

Production Date: 09/09/2005 10:41

Sample 8364 FY 2005 Project: 05-0800

Metals Scan

Facility: 18th Street Assessment

Clarksdale, MS

Program: SF

Case No: 34517

Id/Station: SN01PB /

MD No: 38A3

Inorg Contractor: LIBRTY

Media: PRESERVATIVE BLANK

Produced by: Goddard, Denise

Requestor:

Project Leader: SSPURLIN

Beginning: 08/12/2005

Ending:

RESULTS	UNITS	ANALYTE
200 U	UG/L	Aluminum
0.14 UJ	UG/L	Arsenic
100 U	UG/L	Iron

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

METALS SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 09/09/2005 10:41

Sample 8365 FY 2005 Project: 05-0800

Produced by: Goddard, Denise

Metals Scan

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/12/2005

Id/Station: SN01RB /

MD No: 38A4

Inorg Contractor: LIBRTY

Ending:

Media: EQUIPMENT RINSE BLANK

D No: 38A4

Org Contractor: A4

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RESULTS	UNITS	ANALYTE
26 J	UG/L	Aluminum
0.16 UJ	UG/L	Arsenic
100 U	UG/L	Iron

---

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
NA-Not Analyzed. | NAI-Not Analyzed due to interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

Sample 8326 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

## Pesticides &amp; Aroclors Scan

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 12:35

Id/Station: SN01MW /

MD No: 3898

Inorg Contractor: LIBRTY

Ending:

Media: GROUNDWATER

D No: 3898

Org Contractor: A4

RESULTS	UNITS	ANALYTE
0.010 U	UG/L	alpha-BHC
0.010 U	UG/L	beta-BHC
0.010 U	UG/L	delta-BHC
0.010 U	UG/L	gamma-BHC (Lindane)
0.010 U	UG/L	Heptachlor
0.010 U	UG/L	Aldrin
0.010 U	UG/L	Heptachlor Epoxide
0.010 U	UG/L	Endosulfan I (alpha)
0.020 U	UG/L	Dieldrin
0.020 U	UG/L	4,4'-DDE (p,p'-DDE)
0.020 U	UG/L	Endrin
0.020 U	UG/L	Endosulfan II (beta)
0.020 U	UG/L	4,4'-DDD (p,p'-DDD)
0.020 U	UG/L	Endosulfan Sulfate
0.020 U	UG/L	4,4'-DDT (p,p'-DDT)
0.10 U	UG/L	Methoxychlor
0.020 U	UG/L	Endrin Ketone
0.020 U	UG/L	Endrin Aldehyde
0.010 U	UG/L	alpha-Chlordane /2
0.010 U	UG/L	gamma-Chlordane /2
1.0 U	UG/L	Toxaphene
0.20 U	UG/L	PCB-1016 (Aroclor 1016)
0.40 U	UG/L	PCB-1221 (Aroclor 1221)
0.20 U	UG/L	PCB-1232 (Aroclor 1232)
0.20 U	UG/L	PCB-1242 (Aroclor 1242)
0.20 U	UG/L	PCB-1248 (Aroclor 1248)
0.20 U	UG/L	PCB-1254 (Aroclor 1254)
0.20 U	UG/L	PCB-1260 (Aroclor 1260)

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

Sample 8327 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

**Pesticides & Aroclors Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 11:55

Id/Station: SN02MW /

MD No: 3899

Ending:

Media: GROUNDWATER

D No: 3899

Inorg Contractor: LIBRTY

Org Contractor: A4

RESULTS	UNITS	ANALYTE
0.010 U	UG/L	alpha-BHC
0.010 U	UG/L	beta-BHC
0.010 U	UG/L	delta-BHC
0.010 U	UG/L	gamma-BHC (Lindane)
0.010 U	UG/L	Heptachlor
0.010 U	UG/L	Aldrin
0.010 U	UG/L	Heptachlor Epoxide
0.010 U	UG/L	Endosulfan I (alpha)
0.020 U	UG/L	Dieldrin
0.020 U	UG/L	4,4'-DDE (p,p'-DDE)
0.020 U	UG/L	Endrin
0.020 U	UG/L	Endosulfan II (beta)
0.020 U	UG/L	4,4'-DDD (p,p'-DDD)
0.020 U	UG/L	Endosulfan Sulfate
0.020 U	UG/L	4,4'-DDT (p,p'-DDT)
0.10 U	UG/L	Methoxychlor
0.020 U	UG/L	Endrin Ketone
0.020 U	UG/L	Endrin Aldehyde
0.010 U	UG/L	alpha-Chlordane /2
0.010 U	UG/L	gamma-Chlordane /2
1.0 U	UG/L	Toxaphene
0.20 U	UG/L	PCB-1016 (Aroclor 1016)
0.40 U	UG/L	PCB-1221 (Aroclor 1221)
0.20 U	UG/L	PCB-1232 (Aroclor 1232)
0.20 U	UG/L	PCB-1242 (Aroclor 1242)
0.20 U	UG/L	PCB-1248 (Aroclor 1248)
0.20 U	UG/L	PCB-1254 (Aroclor 1254)
0.20 U	UG/L	PCB-1260 (Aroclor 1260)

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

PESTICIDES/PCB SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

Production Date: 09/09/2005 16:45

Sample 8328 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

Pesticides & Aroclors Scan

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 10:35

Id/Station: SN03DSMW /

MD No: 38A0

Inorg Contractor: LIBRTY

Ending:

Media: GROUNDWATER

D No: 38A0

Org Contractor: A4

RESULTS	UNITS	ANALYTE
0.010 U	UG/L	alpha-BHC
0.010 U	UG/L	beta-BHC
0.010 U	UG/L	delta-BHC
0.010 U	UG/L	gamma-BHC (Lindane)
0.010 U	UG/L	Heptachlor
0.010 U	UG/L	Aldrin
0.010 U	UG/L	Heptachlor Epoxide
0.010 U	UG/L	Endosulfan I (alpha)
0.020 U	UG/L	Dieldrin
0.020 U	UG/L	4,4'-DDE (p,p'-DDE)
0.020 U	UG/L	Endrin
0.020 U	UG/L	Endosulfan II (beta)
0.020 U	UG/L	4,4'-DDD (p,p'-DDD)
0.020 U	UG/L	Endosulfan Sulfate
0.020 U	UG/L	4,4'-DDT (p,p'-DDT)
0.10 U	UG/L	Methoxychlor
0.020 U	UG/L	Endrin Ketone
0.020 U	UG/L	Endrin Aldehyde
0.010 U	UG/L	alpha-Chlordane /2
0.010 U	UG/L	gamma-Chlordane /2
1.0 U	UG/L	Toxaphene
0.20 U	UG/L	PCB-1016 (Aroclor 1016)
0.40 U	UG/L	PCB-1221 (Aroclor 1221)
0.20 U	UG/L	PCB-1232 (Aroclor 1232)
0.20 U	UG/L	PCB-1242 (Aroclor 1242)
0.20 U	UG/L	PCB-1248 (Aroclor 1248)
0.20 U	UG/L	PCB-1254 (Aroclor 1254)
0.20 U	UG/L	PCB-1260 (Aroclor 1260)

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane



Sample 8329 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

**Pesticides & Aroclors Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 10:35

Id/Station: SN03MW /

MD No: 38A1

Ending:

Media: GROUNDWATER

D No: 38A1

Inorg Contractor: LIBRTY

Org Contractor: A4

RESULTS	UNITS	ANALYTE
0.010 U	UG/L	alpha-BHC
0.010 U	UG/L	beta-BHC
0.010 U	UG/L	delta-BHC
0.010 U	UG/L	gamma-BHC (Lindane)
0.010 U	UG/L	Heptachlor
0.010 U	UG/L	Aldrin
0.010 U	UG/L	Heptachlor Epoxide
0.010 U	UG/L	Endosulfan I (alpha)
0.020 U	UG/L	Dieldrin
0.020 U	UG/L	4,4'-DDE (p,p'-DDE)
0.020 U	UG/L	Endrin
0.020 U	UG/L	Endosulfan II (beta)
0.020 U	UG/L	4,4'-DDD (p,p'-DDD)
0.020 U	UG/L	Endosulfan Sulfate
0.020 U	UG/L	4,4'-DDT (p,p'-DDT)
0.10 U	UG/L	Methoxychlor
0.020 U	UG/L	Endrin Ketone
0.020 U	UG/L	Endrin Aldehyde
0.010 U	UG/L	alpha-Chlordane /2
0.010 U	UG/L	gamma-Chlordane /2
1.0 U	UG/L	Toxaphene
0.20 U	UG/L	PCB-1016 (Aroclor 1016)
0.40 U	UG/L	PCB-1221 (Aroclor 1221)
0.20 U	UG/L	PCB-1232 (Aroclor 1232)
0.20 U	UG/L	PCB-1242 (Aroclor 1242)
0.20 U	UG/L	PCB-1248 (Aroclor 1248)
0.20 U	UG/L	PCB-1254 (Aroclor 1254)
0.20 U	UG/L	PCB-1260 (Aroclor 1260)

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

Sample 8330 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

## Pesticides &amp; Aroclors Scan

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS.

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 11:30

Id/Station: SN04MW /

MD No: 38A2

Ending:

Media: GROUNDWATER

D No: 38A2

Inorg Contractor: LIBRTY

Org Contractor: A4

RESULTS	UNITS	ANALYTE
0.010 U	UG/L	alpha-BHC
0.010 U	UG/L	beta-BHC
0.010 U	UG/L	delta-BHC
0.010 U	UG/L	gamma-BHC (Lindane)
0.010 U	UG/L	Heptachlor
0.010 U	UG/L	Aldrin
0.010 U	UG/L	Heptachlor Epoxide
0.010 U	UG/L	Endosulfan I (alpha)
0.020 U	UG/L	Dieldrin
0.020 U	UG/L	4,4'-DDE (p,p'-DDE)
0.020 U	UG/L	Endrin
0.020 U	UG/L	Endosulfan II (beta)
0.020 U	UG/L	4,4'-DDD (p,p'-DDD)
0.020 U	UG/L	Endosulfan Sulfate
0.020 U	UG/L	4,4'-DDT (p,p'-DDT)
0.10 U	UG/L	Methoxychlor
0.020 U	UG/L	Endrin Ketone
0.020 U	UG/L	Endrin Aldehyde
0.010 U	UG/L	alpha-Chlordane /2
0.010 U	UG/L	gamma-Chlordane /2
1.0 U	UG/L	Toxaphene
0.20 U	UG/L	PCB-1016 (Aroclor 1016)
0.40 U	UG/L	PCB-1221 (Aroclor 1221)
0.20 U	UG/L	PCB-1232 (Aroclor 1232)
0.20 U	UG/L	PCB-1242 (Aroclor 1242)
0.20 U	UG/L	PCB-1248 (Aroclor 1248)
0.20 U	UG/L	PCB-1254 (Aroclor 1254)
0.20 U	UG/L	PCB-1260 (Aroclor 1260)

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

PESTICIDES/PCB SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

Production Date: 09/09/2005 16:45

Sample 8331 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

Pesticides & Aroclors Scan

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 09:45

Id/Station: SN01SS /

MD No: 38A5

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38A5

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
1.8 U	UG/KG	alpha-BHC
1.8 U	UG/KG	beta-BHC
1.8 U	UG/KG	delta-BHC
1.8 U	UG/KG	gamma-BHC (Lindane)
1.8 U	UG/KG	Heptachlor
1.8 U	UG/KG	Aldrin
1.8 U	UG/KG	Heptachlor Epoxide
1.8 U	UG/KG	Endosulfan I (alpha)
3.5 U	UG/KG	Dieldrin
15	UG/KG	4,4'-DDE (p,p'-DDE)
3.5 U	UG/KG	Endrin
3.5 U	UG/KG	Endosulfan II (beta)
3.5 U	UG/KG	4,4'-DDD (p,p'-DDD)
3.5 U	UG/KG	Endosulfan Sulfate
22 N	UG/KG	4,4'-DDT (p,p'-DDT)
18 U	UG/KG	Methoxychlor
3.5 U	UG/KG	Endrin Ketone
3.5 U	UG/KG	Endrin Aldehyde
1.8 U	UG/KG	alpha-Chlordane /2
1.8 U	UG/KG	gamma-Chlordane /2
180 U	UG/KG	Toxaphene
35 U	UG/KG	PCB-1016 (Aroclor 1016)
72 U	UG/KG	PCB-1221 (Aroclor 1221)
35 U	UG/KG	PCB-1232 (Aroclor 1232)
35 U	UG/KG	PCB-1242 (Aroclor 1242)
35 U	UG/KG	PCB-1248 (Aroclor 1248)
35 U	UG/KG	PCB-1254 (Aroclor 1254)
35 U	UG/KG	PCB-1260 (Aroclor 1260)
7	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

Sample 8332 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

**Pesticides & Aroclors Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/09/2005 10:45

Id/Station: SN02SS /

MD No: 38A6

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38A6

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
2.0 U	UG/KG	alpha-BHC
2.0 U	UG/KG	beta-BHC
2.0 U	UG/KG	delta-BHC
2.0 U	UG/KG	gamma-BHC (Lindane)
2.0 U	UG/KG	Heptachlor
2.0 U	UG/KG	Aldrin
2.0 U	UG/KG	Heptachlor Epoxide
2.0 U	UG/KG	Endosulfan I (alpha)
7.3 N	UG/KG	Dieldrin
14	UG/KG	4,4'-DDE (p,p'-DDE)
3.9 U	UG/KG	Endrin
3.9 U	UG/KG	Endosulfan II (beta)
3.9 U	UG/KG	4,4'-DDD (p,p'-DDD)
3.9 U	UG/KG	Endosulfan Sulfate
31	UG/KG	4,4'-DDT (p,p'-DDT)
20 U	UG/KG	Methoxychlor
3.9 U	UG/KG	Endrin Ketone
3.9 U	UG/KG	Endrin Aldehyde
2.0 U	UG/KG	alpha-Chlordane /2
2.0 U	UG/KG	gamma-Chlordane /2
200 U	UG/KG	Toxaphene
39 U	UG/KG	PCB-1016 (Aroclor 1016)
79 U	UG/KG	PCB-1221 (Aroclor 1221)
39 U	UG/KG	PCB-1232 (Aroclor 1232)
39 U	UG/KG	PCB-1242 (Aroclor 1242)
39 U	UG/KG	PCB-1248 (Aroclor 1248)
39 U	UG/KG	PCB-1254 (Aroclor 1254)
39 U	UG/KG	PCB-1260 (Aroclor 1260)
16	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

Sample 8333 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

**Pesticides & Aroclors Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/09/2005 11:10

Id/Station: SN03SS /

MD No: 38A7

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38A7

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
2.0 U	UG/KG	alpha-BHC
2.0 U	UG/KG	beta-BHC
2.0 U	UG/KG	delta-BHC
2.0 U	UG/KG	gamma-BHC (Lindane)
2.0 U	UG/KG	Heptachlor
2.0 U	UG/KG	Aldrin
2.0 U	UG/KG	Heptachlor Epoxide
2.0 U	UG/KG	Endosulfan I (alpha)
9.4 U	UG/KG	Dieldrin
58	UG/KG	4,4'-DDE (p,p'-DDE)
3.8 U	UG/KG	Endrin
3.8 U	UG/KG	Endosulfan II (beta)
3.8 U	UG/KG	4,4'-DDD (p,p'-DDD)
3.8 U	UG/KG	Endosulfan Sulfate
49 N	UG/KG	4,4'-DDT (p,p'-DDT)
20 U	UG/KG	Methoxychlor
3.8 U	UG/KG	Endrin Ketone
3.8 U	UG/KG	Endrin Aldehyde
2.0 U	UG/KG	alpha-Chlordane /2
2.0 U	UG/KG	gamma-Chlordane /2
200 U	UG/KG	Toxaphene
38 U	UG/KG	PCB-1016 (Aroclor 1016)
77 U	UG/KG	PCB-1221 (Aroclor 1221)
38 U	UG/KG	PCB-1232 (Aroclor 1232)
38 U	UG/KG	PCB-1242 (Aroclor 1242)
38 U	UG/KG	PCB-1248 (Aroclor 1248)
38 U	UG/KG	PCB-1254 (Aroclor 1254)
38 U	UG/KG	PCB-1260 (Aroclor 1260)
14	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

Sample 8334 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

**Pesticides & Aroclors Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/09/2005 11:17

Id/Station: SN04SS /

MD No: 38A8

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38A8

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
2.0 U	UG/KG	alpha-BHC
2.0 U	UG/KG	beta-BHC
2.0 U	UG/KG	delta-BHC
2.0 U	UG/KG	gamma-BHC (Lindane)
2.0 U	UG/KG	Heptachlor
2.0 U	UG/KG	Aldrin
2.0 U	UG/KG	Heptachlor Epoxide
2.0 U	UG/KG	Endosulfan I (alpha)
23 N	UG/KG	Dieldrin
58	UG/KG	4,4'-DDE (p,p'-DDE)
3.9 U	UG/KG	Endrin
3.9 U	UG/KG	Endosulfan II (beta)
3.9 U	UG/KG	4,4'-DDD (p,p'-DDD)
3.9 U	UG/KG	Endosulfan Sulfate
59	UG/KG	4,4'-DDT (p,p'-DDT)
20 U	UG/KG	Methoxychlor
3.9 U	UG/KG	Endrin Ketone
3.9 U	UG/KG	Endrin Aldehyde
2.0 U	UG/KG	alpha-Chlordane /2
2.0 U	UG/KG	gamma-Chlordane /2
200 U	UG/KG	Toxaphene
39 U	UG/KG	PCB-1016 (Aroclor 1016)
78 U	UG/KG	PCB-1221 (Aroclor 1221)
39 U	UG/KG	PCB-1232 (Aroclor 1232)
39 U	UG/KG	PCB-1242 (Aroclor 1242)
39 U	UG/KG	PCB-1248 (Aroclor 1248)
39 U	UG/KG	PCB-1254 (Aroclor 1254)
39 U	UG/KG	PCB-1260 (Aroclor 1260)
16	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

Sample 8335 FY 2005 Project: 05-0800

**Pesticides & Aroclors Scan**

Facility: 18th Street Assessment

Clarksdale, MS

Program: SF

Case No: 34517

Id/Station: SN05SS /

MD No: 38A9

Inorg Contractor: LIBRTY

Media: SURFACE SOIL

D No: 38A9

Org Contractor: CEIMIC

Produced by: Appleby, Charlie

Requestor:

Project Leader: SSPURLIN

Beginning: 08/09/2005 11:30

Ending:

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
2.0 U	UG/KG	alpha-BHC
2.0 U	UG/KG	beta-BHC
2.0 U	UG/KG	delta-BHC
2.0 U	UG/KG	gamma-BHC (Lindane)
2.0 U	UG/KG	Heptachlor
2.0 U	UG/KG	Aldrin
2.0 U	UG/KG	Heptachlor Epoxide
2.0 U	UG/KG	Endosulfan I (alpha)
42	UG/KG	Dieldrin
78	UG/KG	4,4'-DDE (p,p'-DDE)
3.9 U	UG/KG	Endrin
3.9 U	UG/KG	Endosulfan II (beta)
14 N	UG/KG	4,4'-DDD (p,p'-DDD)
3.9 U	UG/KG	Endosulfan Sulfate
120	UG/KG	4,4'-DDT (p,p'-DDT)
20 U	UG/KG	Methoxychlor
3.9 U	UG/KG	Endrin Ketone
3.9 U	UG/KG	Endrin Aldehyde
2.0 U	UG/KG	alpha-Chlordane /2
2.0 U	UG/KG	gamma-Chlordane /2
200 U	UG/KG	Toxaphene
39 U	UG/KG	PCB-1016 (Aroclor 1016)
79 U	UG/KG	PCB-1221 (Aroclor 1221)
39 U	UG/KG	PCB-1232 (Aroclor 1232)
39 U	UG/KG	PCB-1242 (Aroclor 1242)
39 U	UG/KG	PCB-1248 (Aroclor 1248)
39 U	UG/KG	PCB-1254 (Aroclor 1254)
39 U	UG/KG	PCB-1260 (Aroclor 1260)
17	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

Sample 8336 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

## Pesticides &amp; Aroclors Scan

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 11:53

Id/Station: SN06SS /

MD No: 38B0

Ending:

Media: SURFACE SOIL

D No: 38B0

Inorg Contractor: LIBRTY

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
2.0 U	UG/KG	alpha-BHC
2.4	UG/KG	beta-BHC
2.0 U	UG/KG	delta-BHC
2.0 U	UG/KG	gamma-BHC (Lindane)
2.0 U	UG/KG	Heptachlor
2.0 U	UG/KG	Aldrin
2.0 U	UG/KG	Heptachlor Epoxide
2.0 U	UG/KG	Endosulfan I (alpha)
.58	UG/KG	Dieldrin
190	UG/KG	4,4'-DDE (p,p'-DDE)
3.9 U	UG/KG	Endrin
3.9 U	UG/KG	Endosulfan II (beta)
8.1 U	UG/KG	4,4'-DDD (p,p'-DDD)
3.9 U	UG/KG	Endosulfan Sulfate
180	UG/KG	4,4'-DDT (p,p'-DDT)
20 U	UG/KG	Methoxychlor
3.9 U	UG/KG	Endrin Ketone
3.9 U	UG/KG	Endrin Aldehyde
2.0 U	UG/KG	alpha-Chlordane /2
2.0 U	UG/KG	gamma-Chlordane /2
200 U	UG/KG	Toxaphene
39 U	UG/KG	PCB-1016 (Aroclor 1016)
79 U	UG/KG	PCB-1221 (Aroclor 1221)
39 U	UG/KG	PCB-1232 (Aroclor 1232)
39 U	UG/KG	PCB-1242 (Aroclor 1242)
39 U	UG/KG	PCB-1248 (Aroclor 1248)
39 U	UG/KG	PCB-1254 (Aroclor 1254)
39 U	UG/KG	PCB-1260 (Aroclor 1260)
16	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane



Sample 8337 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

**Pesticides & Aroclors Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/09/2005 14:20

Id/Station: SN07SS /

MD No: 38B1

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38B1

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
2.0 U	UG/KG	alpha-BHC
4.7 N	UG/KG	beta-BHC
2.0 U	UG/KG	delta-BHC
2.0 U	UG/KG	gamma-BHC (Lindane)
2.0 U	UG/KG	Heptachlor
2.0 U	UG/KG	Aldrin
6.2 N	UG/KG	Heptachlor Epoxide
2.0 U	UG/KG	Endosulfan I (alpha)
200	UG/KG	Dieldrin
540	UG/KG	4,4'-DDE (p,p'-DDE)
5.9 U	UG/KG	Endrin
3.9 U	UG/KG	Endosulfan II (beta)
25 U	UG/KG	4,4'-DDD (p,p'-DDD)
3.9 U	UG/KG	Endosulfan Sulfate
380	UG/KG	4,4'-DDT (p,p'-DDT)
20 U	UG/KG	Methoxychlor
3.9 U	UG/KG	Endrin Ketone
7.9 U	UG/KG	Endrin Aldehyde
5.2	UG/KG	alpha-Chlordane /2
7.8 N	UG/KG	gamma-Chlordane /2
200 U	UG/KG	Toxaphene
39 U	UG/KG	PCB-1016 (Aroclor 1016)
79 U	UG/KG	PCB-1221 (Aroclor 1221)
39 U	UG/KG	PCB-1232 (Aroclor 1232)
39 U	UG/KG	PCB-1242 (Aroclor 1242)
39 U	UG/KG	PCB-1248 (Aroclor 1248)
39 U	UG/KG	PCB-1254 (Aroclor 1254)
39 U	UG/KG	PCB-1260 (Aroclor 1260)
16	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

Sample 8338 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

## Pesticides &amp; Aroclors Scan

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/09/2005 14:37

Id/Station: SN08SS /

MD No: 38B2

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38B2

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
21 U	UG/KG	alpha-BHC
21 U	UG/KG	beta-BHC
21 U	UG/KG	delta-BHC
21 U	UG/KG	gamma-BHC (Lindane)
21 U	UG/KG	Heptachlor
21 U	UG/KG	Aldrin
21 U	UG/KG	Heptachlor Epoxide
21 U	UG/KG	Endosulfan I (alpha)
360	UG/KG	Dieldrin
500	UG/KG	4,4'-DDE (p,p'-DDE)
41 U	UG/KG	Endrin
570	UG/KG	Endosulfan II (beta)
64	UG/KG	4,4'-DDD (p,p'-DDD)
660 N	UG/KG	Endosulfan Sulfate
780 N	UG/KG	4,4'-DDT (p,p'-DDT)
210 U	UG/KG	Methoxychlor
41 U	UG/KG	Endrin Ketone
41 U	UG/KG	Endrin Aldehyde
93 N	UG/KG	alpha-Chlordane /2
85 N	UG/KG	gamma-Chlordane /2
2100 U	UG/KG	Toxaphene
410 U	UG/KG	PCB-1016 (Aroclor 1016)
820 U	UG/KG	PCB-1221 (Aroclor 1221)
410 U	UG/KG	PCB-1232 (Aroclor 1232)
410 U	UG/KG	PCB-1242 (Aroclor 1242)
410 U	UG/KG	PCB-1248 (Aroclor 1248)
410 U	UG/KG	PCB-1254 (Aroclor 1254)
410 U	UG/KG	PCB-1260 (Aroclor 1260)
20	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

Sample 8339 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

**Pesticides & Aroclors Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/09/2005 15:05

Id/Station: SN09SS /

MD No: 38B3

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38B3

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
1.8 U	UG/KG	alpha-BHC
1.8 U	UG/KG	beta-BHC
1.8 U	UG/KG	delta-BHC
1.8 U	UG/KG	gamma-BHC (Lindane)
1.8 U	UG/KG	Heptachlor
1.8 U	UG/KG	Aldrin
1.8 U	UG/KG	Heptachlor Epoxide
1.8 U	UG/KG	Endosulfan I (alpha)
3.6 U	UG/KG	Dieldrin
4.2	UG/KG	4,4'-DDE (p,p'-DDE)
3.6 U	UG/KG	Endrin
3.6 U	UG/KG	Endosulfan II (beta)
3.6 U	UG/KG	4,4'-DDD (p,p'-DDD)
3.6 U	UG/KG	Endosulfan Sulfate
10	UG/KG	4,4'-DDT (p,p'-DDT)
18 U	UG/KG	Methoxychlor
3.6 U	UG/KG	Endrin Ketone
3.6 U	UG/KG	Endrin Aldehyde
1.8 U	UG/KG	alpha-Chlordane /2
1.8 U	UG/KG	gamma-Chlordane /2
180 U	UG/KG	Toxaphene
36 U	UG/KG	PCB-1016 (Aroclor 1016)
73 U	UG/KG	PCB-1221 (Aroclor 1221)
36 U	UG/KG	PCB-1232 (Aroclor 1232)
36 U	UG/KG	PCB-1242 (Aroclor 1242)
36 U	UG/KG	PCB-1248 (Aroclor 1248)
36 U	UG/KG	PCB-1254 (Aroclor 1254)
36 U	UG/KG	PCB-1260 (Aroclor 1260)
9	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

Sample 8340 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

## Pesticides &amp; Aroclors Scan

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/09/2005 15:15

Id/Station: SN10DSS /

MD No: 38B4

Ending:

Media: SURFACE SOIL

D No: 38B4

Inorg Contractor: LIBRTY

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
2.1 UJ	UG/KG	alpha-BHC
2.1 UJ	UG/KG	beta-BHC
2.1 UJ	UG/KG	delta-BHC
2.1 UJ	UG/KG	gamma-BHC (Lindane)
2.1 UJ	UG/KG	Heptachlor
2.1 UJ	UG/KG	Aldrin
2.1 UJ	UG/KG	Heptachlor Epoxide
2.1 UJ	UG/KG	Endosulfan I (alpha)
4.6 NJ	UG/KG	Dieldrin
18 J	UG/KG	4,4'-DDE (p,p'-DDE)
4.1 UJ	UG/KG	Endrin
4.1 UJ	UG/KG	Endosulfan II (beta)
4.1 UJ	UG/KG	4,4'-DDD (p,p'-DDD)
4.1 UJ	UG/KG	Endosulfan Sulfate
19 NJ	UG/KG	4,4'-DDT (p,p'-DDT)
21 UJ	UG/KG	Methoxychlor
4.1 UJ	UG/KG	Endrin Ketone
4.1 UJ	UG/KG	Endrin Aldehyde
2.1 UJ	UG/KG	alpha-Chlordane /2
2.2 UJ	UG/KG	gamma-Chlordane /2
210 UJ	UG/KG	Toxaphene
41 UJ	UG/KG	PCB-1016 (Aroclor 1016)
84 UJ	UG/KG	PCB-1221 (Aroclor 1221)
41 UJ	UG/KG	PCB-1232 (Aroclor 1232)
41 UJ	UG/KG	PCB-1242 (Aroclor 1242)
41 UJ	UG/KG	PCB-1248 (Aroclor 1248)
41 UJ	UG/KG	PCB-1254 (Aroclor 1254)
41 UJ	UG/KG	PCB-1260 (Aroclor 1260)
21	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

Sample 8341 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

**Pesticides & Aroclors Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/09/2005 15:15

Id/Station: SN10SS /

MD No: 38B5

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38B5

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
2.1 UJ	UG/KG	alpha-BHC
2.1 UJ	UG/KG	beta-BHC
2.1 UJ	UG/KG	delta-BHC
2.1 UJ	UG/KG	gamma-BHC (Lindane)
2.1 UJ	UG/KG	Heptachlor
2.1 UJ	UG/KG	Aldrin
2.1 UJ	UG/KG	Heptachlor Epoxide
2.1 UJ	UG/KG	Endosulfan I (alpha)
8.7 NJ	UG/KG	Dieldrin
31 J	UG/KG	4,4'-DDE (p,p'-DDE)
4.1 UJ	UG/KG	Endrin
4.1 UJ	UG/KG	Endosulfan II (beta)
4.1 UJ	UG/KG	4,4'-DDD (p,p'-DDD)
4.1 UJ	UG/KG	Endosulfan Sulfate
32 J	UG/KG	4,4'-DDT (p,p'-DDT)
21 UJ	UG/KG	Methoxychlor
4.1 UJ	UG/KG	Endrin Ketone
4.1 UJ	UG/KG	Endrin Aldehyde
2.1 UJ	UG/KG	alpha-Chlordane /2
2.1 UJ	UG/KG	gamma-Chlordane /2
210 UJ	UG/KG	Toxaphene
41 UJ	UG/KG	PCB-1016 (Aroclor 1016)
83 UJ	UG/KG	PCB-1221 (Aroclor 1221)
41 UJ	UG/KG	PCB-1232 (Aroclor 1232)
41 UJ	UG/KG	PCB-1242 (Aroclor 1242)
41 UJ	UG/KG	PCB-1248 (Aroclor 1248)
41 UJ	UG/KG	PCB-1254 (Aroclor 1254)
41 UJ	UG/KG	PCB-1260 (Aroclor 1260)
21	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

Sample 8342 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

## Pesticides &amp; Aroclors Scan

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/09/2005 15:40

Id/Station: SN11SS/

MD No: 38B6

Ending:

Media: SURFACE SOIL

D No: 38B6

Inorg Contractor: LIBRTY

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
2.0 U	UG/KG	alpha-BHC
2.0 U	UG/KG	beta-BHC
2.0 U	UG/KG	delta-BHC
2.0 U	UG/KG	gamma-BHC (Lindane)
4.4 N	UG/KG	Heptachlor
2.0 U	UG/KG	Aldrin
14 U	UG/KG	Heptachlor Epoxide
2.0 U	UG/KG	Endosulfan I (alpha)
77	UG/KG	Dieldrin
160	UG/KG	4,4'-DDE (p,p'-DDE)
3.9 U	UG/KG	Endrin
3.9 U	UG/KG	Endosulfan II (beta)
19	UG/KG	4,4'-DDD (p,p'-DDD)
3.9 U	UG/KG	Endosulfan Sulfate
160	UG/KG	4,4'-DDT (p,p'-DDT)
20 U	UG/KG	Methoxychlor
3.9 U	UG/KG	Endrin Ketone
3.9 U	UG/KG	Endrin Aldehyde
100	UG/KG	alpha-Chlordane /2
110	UG/KG	gamma-Chlordane /2
200 U	UG/KG	Toxaphene
39 U	UG/KG	PCB-1016 (Aroclor 1016)
79 U	UG/KG	PCB-1221 (Aroclor 1221)
39 U	UG/KG	PCB-1232 (Aroclor 1232)
39 U	UG/KG	PCB-1242 (Aroclor 1242)
39 U	UG/KG	PCB-1248 (Aroclor 1248)
39 U	UG/KG	PCB-1254 (Aroclor 1254)
39 U	UG/KG	PCB-1260 (Aroclor 1260)
16	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

Sample 8343 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

**Pesticides & Aroclors Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/09/2005 16:25

Id/Station: SN12SS /

MD No: 38B7

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38B7

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
2.1 U	UG/KG	alpha-BHC
2.1 U	UG/KG	beta-BHC
2.1 U	UG/KG	delta-BHC
2.1 U	UG/KG	gamma-BHC (Lindane)
2.1 U	UG/KG	Heptachlor
2.1 U	UG/KG	Aldrin
2.1 U	UG/KG	Heptachlor Epoxide
2.1 U	UG/KG	Endosulfan I (alpha)
37 U	UG/KG	Dieldrin
170	UG/KG	4,4'-DDE (p,p'-DDE)
39 U	UG/KG	Endrin
4.1 U	UG/KG	Endosulfan II (beta)
55 U	UG/KG	4,4'-DDD (p,p'-DDD)
32 U	UG/KG	Endosulfan Sulfate
250 N	UG/KG	4,4'-DDT (p,p'-DDT)
21 U	UG/KG	Methoxychlor
33 U	UG/KG	Endrin Ketone
52 U	UG/KG	Endrin Aldehyde
15 U	UG/KG	alpha-Chlordane /2
6.8 N	UG/KG	gamma-Chlordane /2
4500	UG/KG	Toxaphene
41 U	UG/KG	PCB-1016 (Aroclor 1016)
84 U	UG/KG	PCB-1221 (Aroclor 1221)
41 U	UG/KG	PCB-1232 (Aroclor 1232)
41 U	UG/KG	PCB-1242 (Aroclor 1242)
41 U	UG/KG	PCB-1248 (Aroclor 1248)
41 U	UG/KG	PCB-1254 (Aroclor 1254)
41 U	UG/KG	PCB-1260 (Aroclor 1260)
20	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

Sample 8344 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

**Pesticides & Aroclors Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/09/2005 16:35

Id/Station: SN13SS /

MD No: 38B8

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38B8

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
2.0 U	UG/KG	alpha-BHC
2.0 U	UG/KG	beta-BHC
2.0 U	UG/KG	delta-BHC
2.0 U	UG/KG	gamma-BHC (Lindane)
2.0 U	UG/KG	Heptachlor
2.0 U	UG/KG	Aldrin
2.0 U	UG/KG	Heptachlor Epoxide
2.0 U	UG/KG	Endosulfan I (alpha)
7.0 U	UG/KG	Dieldrin
320	UG/KG	4,4'-DDE (p,p'-DDE)
3.8 U	UG/KG	Endrin
3.8 U	UG/KG	Endosulfan II (beta)
18 U	UG/KG	4,4'-DDD (p,p'-DDD)
7.0	UG/KG	Endosulfan Sulfate
380	UG/KG	4,4'-DDT (p,p'-DDT)
20 U	UG/KG	Methoxychlor
3.8 U	UG/KG	Endrin Ketone
3.8 U	UG/KG	Endrin Aldehyde
53	UG/KG	alpha-Chlordane /2
44	UG/KG	gamma-Chlordane /2
200 U	UG/KG	Toxaphene
38 U	UG/KG	PCB-1016 (Aroclor 1016)
77 U	UG/KG	PCB-1221 (Aroclor 1221)
38 U	UG/KG	PCB-1232 (Aroclor 1232)
38 U	UG/KG	PCB-1242 (Aroclor 1242)
38 U	UG/KG	PCB-1248 (Aroclor 1248)
38 U	UG/KG	PCB-1254 (Aroclor 1254)
38 U	UG/KG	PCB-1260 (Aroclor 1260)
14	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane



Sample 8345 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

**Pesticides & Aroclors Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/09/2005 16:45

Id/Station: SN14SS /

MD No: 38B9

Ending:

Media: SURFACE SOIL

D No: 38B9

Inorg Contractor: LIBRTY

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
2.1 U	UG/KG	alpha-BHC
2.1 U	UG/KG	beta-BHC
2.1 U	UG/KG	delta-BHC
2.1 U	UG/KG	gamma-BHC (Lindane)
2.1 U	UG/KG	Heptachlor
2.1 U	UG/KG	Aldrin
2.1 U	UG/KG	Heptachlor Epoxide
2.1 U	UG/KG	Endosulfan I (alpha)
13 U	UG/KG	Dieldrin
170	UG/KG	4,4'-DDE (p,p'-DDE)
4.0 U	UG/KG	Endrin
4.0 U	UG/KG	Endosulfan II (beta)
9.8 N	UG/KG	4,4'-DDD (p,p'-DDD)
4.0 U	UG/KG	Endosulfan Sulfate
180 N	UG/KG	4,4'-DDT (p,p'-DDT)
21 U	UG/KG	Methoxychlor
4.0 U	UG/KG	Endrin Ketone
4.0 U	UG/KG	Endrin Aldehyde
3.1 N	UG/KG	alpha-Chlordane /2
2.1 U	UG/KG	gamma-Chlordane /2
210 U	UG/KG	Toxaphene
40 U	UG/KG	PCB-1016 (Aroclor 1016)
82 U	UG/KG	PCB-1221 (Aroclor 1221)
40 U	UG/KG	PCB-1232 (Aroclor 1232)
40 U	UG/KG	PCB-1242 (Aroclor 1242)
40 U	UG/KG	PCB-1248 (Aroclor 1248)
40 U	UG/KG	PCB-1254 (Aroclor 1254)
40 U	UG/KG	PCB-1260 (Aroclor 1260)
19	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.

N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.

K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.

L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.

NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.

R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

Sample 8346 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

**Pesticides & Aroclors Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/09/2005 17:05

Id/Station: SN15SS /

MD No: 38C0

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38C0

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
2.1 U	UG/KG	alpha-BHC
2.1 U	UG/KG	beta-BHC
2.1 U	UG/KG	delta-BHC
2.1 U	UG/KG	gamma-BHC (Lindane)
2.1 U	UG/KG	Heptachlor
2.1 U	UG/KG	Aldrin
2.1 U	UG/KG	Heptachlor Epoxide
2.1 U	UG/KG	Endosulfan I (alpha)
6.4 U	UG/KG	Dieldrin
110 J	UG/KG	4,4'-DDE (p,p'-DDE)
12 J	UG/KG	Endrin
4.1 U	UG/KG	Endosulfan II (beta)
4.1 U	UG/KG	4,4'-DDD (p,p'-DDD)
4.1 U	UG/KG	Endosulfan Sulfate
110 NJ	UG/KG	4,4'-DDT (p,p'-DDT)
21 U	UG/KG	Methoxychlor
5.9 U	UG/KG	Endrin Ketone
11 U	UG/KG	Endrin Aldehyde
2.1 U	UG/KG	alpha-Chlordane /2
2.1 U	UG/KG	gamma-Chlordane /2
210 U	UG/KG	Toxaphene
41 U	UG/KG	PCB-1016 (Aroclor 1016)
83 U	UG/KG	PCB-1221 (Aroclor 1221)
41 U	UG/KG	PCB-1232 (Aroclor 1232)
41 U	UG/KG	PCB-1242 (Aroclor 1242)
41 U	UG/KG	PCB-1248 (Aroclor 1248)
41 U	UG/KG	PCB-1254 (Aroclor 1254)
41 U	UG/KG	PCB-1260 (Aroclor 1260)
20	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N- Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ- Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

Sample 8347 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

**Pesticides & Aroclors Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/09/2005 16:55

Id/Station: SN16SS /

MD No: 38C1

Ending:

Media: SURFACE SOIL

D No: 38C1

Inorg Contractor: LIBRTY

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
2.0 U	UG/KG	alpha-BHC
2.0 U	UG/KG	beta-BHC
2.0 U	UG/KG	delta-BHC
2.0 U	UG/KG	gamma-BHC (Lindane)
2.0 U	UG/KG	Heptachlor
2.0 U	UG/KG	Aldrin
2.0 U	UG/KG	Heptachlor Epoxide
2.0 U	UG/KG	Endosulfan I (alpha)
5.2 U	UG/KG	Dieldrin
73	UG/KG	4,4'-DDE (p,p'-DDE)
3.9 U	UG/KG	Endrin
3.9 U	UG/KG	Endosulfan II (beta)
3.9 U	UG/KG	4,4'-DDD (p,p'-DDD)
3.9 U	UG/KG	Endosulfan Sulfate
100 U	UG/KG	4,4'-DDT (p,p'-DDT)
23 N	UG/KG	Methoxychlor
3.9 U	UG/KG	Endrin Ketone
16 U	UG/KG	Endrin Aldehyde
2.0 U	UG/KG	alpha-Chlordane /2
2.0 U	UG/KG	gamma-Chlordane /2
200 U	UG/KG	Toxaphene
39 U	UG/KG	PCB-1016 (Aroclor 1016)
79 U	UG/KG	PCB-1221 (Aroclor 1221)
39 U	UG/KG	PCB-1232 (Aroclor 1232)
39 U	UG/KG	PCB-1242 (Aroclor 1242)
39 U	UG/KG	PCB-1248 (Aroclor 1248)
39 U	UG/KG	PCB-1254 (Aroclor 1254)
39 U	UG/KG	PCB-1260 (Aroclor 1260)
16	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

Sample 8348 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

**Pesticides & Aroclors Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 14:25

Id/Station: SN17SS /

MD No: 38C2

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38C2

Org Contractor: CEIMC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
1.8 UJ	UG/KG	alpha-BHC
1.8 UJ	UG/KG	beta-BHC
1.8 UJ	UG/KG	delta-BHC
1.8 UJ	UG/KG	gamma-BHC (Lindane)
1.8 UJ	UG/KG	Heptachlor
1.8 UJ	UG/KG	Aldrin
1.8 UJ	UG/KG	Heptachlor Epoxide
1.8 UJ	UG/KG	Endosulfan I (alpha)
5.5 UJ	UG/KG	Dieldrin
45 J	UG/KG	4,4'-DDE (p,p'-DDE)
3.5 UJ	UG/KG	Endrin
3.5 UJ	UG/KG	Endosulfan II (beta)
3.5 UJ	UG/KG	4,4'-DDD (p,p'-DDD)
3.5 UJ	UG/KG	Endosulfan Sulfate
73 NJ	UG/KG	4,4'-DDT (p,p'-DDT)
18 UJ	UG/KG	Methoxychlor
3.5 UJ	UG/KG	Endrin Ketone
3.5 UJ	UG/KG	Endrin Aldehyde
1.8 UJ	UG/KG	alpha-Chlordane /2
1.8 UJ	UG/KG	gamma-Chlordane /2
180 UJ	UG/KG	Toxaphene
35 UJ	UG/KG	PCB-1016 (Aroclor 1016)
72 UJ	UG/KG	PCB-1221 (Aroclor 1221)
35 UJ	UG/KG	PCB-1232 (Aroclor 1232)
35 UJ	UG/KG	PCB-1242 (Aroclor 1242)
35 UJ	UG/KG	PCB-1248 (Aroclor 1248)
35 UJ	UG/KG	PCB-1254 (Aroclor 1254)
35 UJ	UG/KG	PCB-1260 (Aroclor 1260)
8	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N- Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ- Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K- Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L- Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA- Not Analyzed. | NAI- Not Analyzed due to Interferences. | A- Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R- Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C- confirmed by GCMS | /1- when no value is reported, see chlordane constituents | /2- constituents or metabolites of technical chlordane

Sample 8349 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

**Pesticides & Aroclors Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 14:10

Id/Station: SN18SS /

MD No: 38C3

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38C3

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
2.0 U	UG/KG	alpha-BHC
2.0 U	UG/KG	beta-BHC
2.0 U	UG/KG	delta-BHC
2.0 U	UG/KG	gamma-BHC (Lindane)
2.0 U	UG/KG	Heptachlor
2.0 U	UG/KG	Aldrin
14 N	UG/KG	Heptachlor Epoxide
2.0 U	UG/KG	Endosulfan I (alpha)
41 U	UG/KG	Dieldrin
280	UG/KG	4,4'-DDE (p,p'-DDE)
7.2	UG/KG	Endrin
3.8 U	UG/KG	Endosulfan II (beta)
19	UG/KG	4,4'-DDD (p,p'-DDD)
4.0 U	UG/KG	Endosulfan Sulfate
380 N	UG/KG	4,4'-DDT (p,p'-DDT)
20 U	UG/KG	Methoxychlor
3.8 U	UG/KG	Endrin Ketone
9.6 U	UG/KG	Endrin Aldehyde
21 U	UG/KG	alpha-Chlordane /2
29	UG/KG	gamma-Chlordane /2
200 U	UG/KG	Toxaphene
38 U	UG/KG	PCB-1016 (Aroclor 1016)
78 U	UG/KG	PCB-1221 (Aroclor 1221)
38 U	UG/KG	PCB-1232 (Aroclor 1232)
38 U	UG/KG	PCB-1242 (Aroclor 1242)
38 U	UG/KG	PCB-1248 (Aroclor 1248)
38 U	UG/KG	PCB-1254 (Aroclor 1254)
38 U	UG/KG	PCB-1260 (Aroclor 1260)
15	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

Sample 8350 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

**Pesticides & Aroclors Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 12:10

Id/Station: SN19SS /

MD No: 38C4

Ending:

Media: SURFACE SOIL

D No: 38C4

Inorg Contractor: LIBRTY

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
1.9 U	UG/KG	alpha-BHC
1.9 U	UG/KG	beta-BHC
1.9 U	UG/KG	delta-BHC
1.9 U	UG/KG	gamma-BHC (Lindane)
20 NJ	UG/KG	Heptachlor
1.9 U	UG/KG	Aldrin
28 U	UG/KG	Heptachlor Epoxide
1.9 U	UG/KG	Endosulfan I (alpha)
49 NJ	UG/KG	Dieldrin
260 J	UG/KG	4,4'-DDE (p,p'-DDE)
3.7 U	UG/KG	Endrin
3.7 U	UG/KG	Endosulfan II (beta)
20 NJ	UG/KG	4,4'-DDD (p,p'-DDD)
3.7 U	UG/KG	Endosulfan Sulfate
300 J	UG/KG	4,4'-DDT (p,p'-DDT)
19 U	UG/KG	Methoxychlor
3.7 U	UG/KG	Endrin Ketone
3.7 U	UG/KG	Endrin Aldehyde
32 NJ	UG/KG	alpha-Chlordane /2
62 J	UG/KG	gamma-Chlordane /2
190 U	UG/KG	Toxaphene
37 U	UG/KG	PCB-1016 (Aroclor 1016)
76 U	UG/KG	PCB-1221 (Aroclor 1221)
37 U	UG/KG	PCB-1232 (Aroclor 1232)
37 U	UG/KG	PCB-1242 (Aroclor 1242)
37 U	UG/KG	PCB-1248 (Aroclor 1248)
37 U	UG/KG	PCB-1254 (Aroclor 1254)
37 U	UG/KG	PCB-1260 (Aroclor 1260)
12	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

Sample 8351 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

**Pesticides & Aroclors Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 11:47

Id/Station: SN20DSS /

MD No: 38C5

Ending:

Media: SURFACE SOIL

D No: 38C5

Inorg Contractor: LIBRTY

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
1.7 U	UG/KG	alpha-BHC
1.7 U	UG/KG	beta-BHC
1.7 U	UG/KG	delta-BHC
1.7 U	UG/KG	gamma-BHC (Lindane)
1.7 U	UG/KG	Heptachlor
1.7 U	UG/KG	Aldrin
1.7 U	UG/KG	Heptachlor Epoxide
1.7 U	UG/KG	Endosulfan I (alpha)
8.8 N	UG/KG	Dieldrin
43	UG/KG	4,4'-DDE (p,p'-DDE)
3.3 U	UG/KG	Endrin
3.3 U	UG/KG	Endosulfan II (beta)
3.3 U	UG/KG	4,4'-DDD (p,p'-DDD)
3.3 U	UG/KG	Endosulfan Sulfate
37 N	UG/KG	4,4'-DDT (p,p'-DDT)
17 UJ	UG/KG	Methoxychlor
3.3 U	UG/KG	Endrin Ketone
3.3 U	UG/KG	Endrin Aldehyde
1.7 U	UG/KG	alpha-Chlordane /2
1.7 U	UG/KG	gamma-Chlordane /2
170 U	UG/KG	Toxaphene
33 U	UG/KG	PCB-1016 (Aroclor 1016)
68 U	UG/KG	PCB-1221 (Aroclor 1221)
33 U	UG/KG	PCB-1232 (Aroclor 1232)
33 U	UG/KG	PCB-1242 (Aroclor 1242)
33 U	UG/KG	PCB-1248 (Aroclor 1248)
33 U	UG/KG	PCB-1254 (Aroclor 1254)
33 U	UG/KG	PCB-1260 (Aroclor 1260)
2	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
NA-Not Analyzed. | NAI-Not Analyzed due to interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

Sample 8352 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

**Pesticides & Aroclors Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 11:47

Id/Station: SN20SS /

MD No: 38C6

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38C6

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
1.8 U	UG/KG	alpha-BHC
1.8 U	UG/KG	beta-BHC
1.8 U	UG/KG	delta-BHC
1.8 U	UG/KG	gamma-BHC (Lindane)
1.8 U	UG/KG	Heptachlor
1.8 U	UG/KG	Aldrin
1.8 U	UG/KG	Heptachlor Epoxide
1.8 U	UG/KG	Endosulfan I (alpha)
10	UG/KG	Dieldrin
16	UG/KG	4,4'-DDE (p,p'-DDE)
3.6 U	UG/KG	Endrin
3.6 U	UG/KG	Endosulfan II (beta)
3.6 U	UG/KG	4,4'-DDD (p,p'-DDD)
3.6 U	UG/KG	Endosulfan Sulfate
16 N	UG/KG	4,4'-DDT (p,p'-DDT)
18 UJ	UG/KG	Methoxychlor
3.6 U	UG/KG	Endrin Ketone
3.6 U	UG/KG	Endrin Aldehyde
1.8 U	UG/KG	alpha-Chlordane /2
1.8 U	UG/KG	gamma-Chlordane /2
180 U	UG/KG	Toxaphene
36 U	UG/KG	PCB-1016 (Aroclor 1016)
73 U	UG/KG	PCB-1221 (Aroclor 1221)
36 U	UG/KG	PCB-1232 (Aroclor 1232)
36 U	UG/KG	PCB-1242 (Aroclor 1242)
36 U	UG/KG	PCB-1248 (Aroclor 1248)
36 U	UG/KG	PCB-1254 (Aroclor 1254)
36 U	UG/KG	PCB-1260 (Aroclor 1260)
9	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane



Sample 8353 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

**Pesticides & Aroclors Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 13:55

Id/Station: SN21SS /

MD No: 38C7

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38C7

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
2.0 U	UG/KG	alpha-BHC
2.0 U	UG/KG	beta-BHC
2.0 U	UG/KG	delta-BHC
2.0 U	UG/KG	gamma-BHC (Lindane)
2.0 U	UG/KG	Heptachlor
2.0 U	UG/KG	Aldrin
4.6	UG/KG	Heptachlor Epoxide
2.0 U	UG/KG	Endosulfan I (alpha)
380	UG/KG	Dieldrin
270	UG/KG	4,4'-DDE (p,p'-DDE)
4.6 U	UG/KG	Endrin
3.8 U	UG/KG	Endosulfan II (beta)
20	UG/KG	4,4'-DDD (p,p'-DDD)
3.8 U	UG/KG	Endosulfan Sulfate
380	UG/KG	4,4'-DDT (p,p'-DDT)
20 UJ	UG/KG	Methoxychlor
3.8 U	UG/KG	Endrin Ketone
3.8 U	UG/KG	Endrin Aldehyde
6.1	UG/KG	alpha-Chlordane /2
6.6 U	UG/KG	gamma-Chlordane /2
200 U	UG/KG	Toxaphene
38 U	UG/KG	PCB-1016 (Aroclor 1016)
78 U	UG/KG	PCB-1221 (Aroclor 1221)
38 U	UG/KG	PCB-1232 (Aroclor 1232)
38 U	UG/KG	PCB-1242 (Aroclor 1242)
38 U	UG/KG	PCB-1248 (Aroclor 1248)
38 U	UG/KG	PCB-1254 (Aroclor 1254)
38 U	UG/KG	PCB-1260 (Aroclor 1260)
14	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N- Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ- Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K- Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L- Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA- Not Analyzed. | NAI- Not Analyzed due to interferences. | A- Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R- Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C- confirmed by GCMS | /1- when no value is reported, see chlordane constituents | /2- constituents or metabolites of technical chlordane

Sample 8354 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

**Pesticides & Aroclors Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 14:50

Id/Station: SN22SS /

MD No: 38C8

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38C8

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
1.9 U	UG/KG	alpha-BHC
1.9 U	UG/KG	beta-BHC
1.9 U	UG/KG	delta-BHC
1.9 U	UG/KG	gamma-BHC (Lindane)
1.9 U	UG/KG	Heptachlor
1.9 U	UG/KG	Aldrin
1.9 U	UG/KG	Heptachlor Epoxide
1.9 U	UG/KG	Endosulfan I (alpha)
3.7 U	UG/KG	Dieldrin
26	UG/KG	4,4'-DDE (p,p'-DDE)
3.7 U	UG/KG	Endrin
3.7 U	UG/KG	Endosulfan II (beta)
3.7 U	UG/KG	4,4'-DDD (p,p'-DDD)
3.7 U	UG/KG	Endosulfan Sulfate
29 N	UG/KG	4,4'-DDT (p,p'-DDT)
19 UJ	UG/KG	Methoxychlor
3.7 U	UG/KG	Endrin Ketone
3.7 U	UG/KG	Endrin Aldehyde
1.9 U	UG/KG	alpha-Chlordane /2
1.9 U	UG/KG	gamma-Chlordane /2
190 U	UG/KG	Toxaphene
37 U	UG/KG	PCB-1016 (Aroclor 1016)
74 U	UG/KG	PCB-1221 (Aroclor 1221)
37 U	UG/KG	PCB-1232 (Aroclor 1232)
37 U	UG/KG	PCB-1242 (Aroclor 1242)
37 U	UG/KG	PCB-1248 (Aroclor 1248)
37 U	UG/KG	PCB-1254 (Aroclor 1254)
37 U	UG/KG	PCB-1260 (Aroclor 1260)
10	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

Sample 8355 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

**Pesticides & Aroclors Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 15:00

Id/Station: SN23SS /

MD No: 38C9

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38C9

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
2.1 U	UG/KG	alpha-BHC
2.1 U	UG/KG	beta-BHC
2.1 U	UG/KG	delta-BHC
2.1 U	UG/KG	gamma-BHC (Lindane)
2.1 U	UG/KG	Heptachlor
2.1 U	UG/KG	Aldrin
2.1 U	UG/KG	Heptachlor Epoxide
2.1 U	UG/KG	Endosulfan I (alpha)
4.1 U	UG/KG	Dieldrin
9.9	UG/KG	4,4'-DDE (p,p'-DDE)
4.1 U	UG/KG	Endrin
4.1 U	UG/KG	Endosulfan II (beta)
4.1 U	UG/KG	4,4'-DDD (p,p'-DDD)
4.1 U	UG/KG	Endosulfan Sulfate
16 N	UG/KG	4,4'-DDT (p,p'-DDT)
21 UJ	UG/KG	Methoxychlor
4.1 U	UG/KG	Endrin Ketone
4.1 U	UG/KG	Endrin Aldehyde
2.1 U	UG/KG	alpha-Chlordane /2
2.1 U	UG/KG	gamma-Chlordane /2
210 U	UG/KG	Toxaphene
41 U	UG/KG	PCB-1016 (Aroclor 1016)
82 U	UG/KG	PCB-1221 (Aroclor 1221)
41 U	UG/KG	PCB-1232 (Aroclor 1232)
41 U	UG/KG	PCB-1242 (Aroclor 1242)
41 U	UG/KG	PCB-1248 (Aroclor 1248)
41 U	UG/KG	PCB-1254 (Aroclor 1254)
41 U	UG/KG	PCB-1260 (Aroclor 1260)
20	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

Sample: 8356 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

## Pesticides &amp; Aroclors Scan

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 15:15

Id/Station: SN24SS /

MD No: 38D0

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38D0

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
2.2 U	UG/KG	alpha-BHC
2.2 U	UG/KG	beta-BHC
2.2 U	UG/KG	delta-BHC
2.2 U	UG/KG	gamma-BHC (Lindane)
2.2 U	UG/KG	Heptachlor
2.2 U	UG/KG	Aldrin
2.2 U	UG/KG	Heptachlor Epoxide
2.2 U	UG/KG	Endosulfan I (alpha)
76 N	UG/KG	Dieldrin
150	UG/KG	4,4'-DDE (p,p'-DDE)
25 U	UG/KG	Endrin
16 U	UG/KG	Endosulfan II (beta)
50 U	UG/KG	4,4'-DDD (p,p'-DDD)
4.2 U	UG/KG	Endosulfan Sulfate
220	UG/KG	4,4'-DDT (p,p'-DDT)
22 UJ	UG/KG	Methoxychlor
4.2 U	UG/KG	Endrin Ketone
43 N	UG/KG	Endrin Aldehyde
2.2 U	UG/KG	alpha-Chlordane /2
2.2 U	UG/KG	gamma-Chlordane /2
4700	UG/KG	Toxaphene
42 U	UG/KG	PCB-1016 (Aroclor 1016)
86 U	UG/KG	PCB-1221 (Aroclor 1221)
42 U	UG/KG	PCB-1232 (Aroclor 1232)
42 U	UG/KG	PCB-1242 (Aroclor 1242)
42 U	UG/KG	PCB-1248 (Aroclor 1248)
42 U	UG/KG	PCB-1254 (Aroclor 1254)
42 U	UG/KG	PCB-1260 (Aroclor 1260)
23	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

Sample 8357 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

## Pesticides &amp; Aroclors Scan

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 15:20

Id/Station: SN25SS /

MD No: 38D1

Ending:

Media: SURFACE SOIL

D No: 38D1

Inorg Contractor: LIBRTY

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
2.3 U	UG/KG	alpha-BHC
2.3 U	UG/KG	beta-BHC
2.3 U	UG/KG	delta-BHC
2.3 U	UG/KG	gamma-BHC (Lindane)
2.3 U	UG/KG	Heptachlor
2.3 U	UG/KG	Aldrin
2.3 U	UG/KG	Heptachlor Epoxide
2.3 U	UG/KG	Endosulfan I (alpha)
33 U	UG/KG	Dieldrin
82	UG/KG	4,4'-DDE (p,p'-DDE)
11 U	UG/KG	Endrin
17 N	UG/KG	Endosulfan II (beta)
37 N	UG/KG	4,4'-DDD (p,p'-DDD)
4.4 U	UG/KG	Endosulfan Sulfate
85 N	UG/KG	4,4'-DDT (p,p'-DDT)
23 UJ	UG/KG	Methoxychlor
4.4 U	UG/KG	Endrin Ketone
38	UG/KG	Endrin Aldehyde
2.3 U	UG/KG	alpha-Chlordane /2
7.2	UG/KG	gamma-Chlordane /2
1900	UG/KG	Toxaphene
44 U	UG/KG	PCB-1016 (Aroclor 1016)
90 U	UG/KG	PCB-1221 (Aroclor 1221)
44 U	UG/KG	PCB-1232 (Aroclor 1232)
44 U	UG/KG	PCB-1242 (Aroclor 1242)
44 U	UG/KG	PCB-1248 (Aroclor 1248)
44 U	UG/KG	PCB-1254 (Aroclor 1254)
44 U	UG/KG	PCB-1260 (Aroclor 1260)
26	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

Sample 8358 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

**Pesticides & Aroclors Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 17:00

Id/Station: SN26SS /

MD No: 38D2

Ending:

Media: SURFACE SOIL

D No: 38D2

Inorg Contractor: LIBRTY

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
4.4	UG/KG	alpha-BHC
25	UG/KG	beta-BHC
2.1	UG/KG	delta-BHC
3.3 N	UG/KG	gamma-BHC (Lindane)
1.9 U	UG/KG	Heptachlor
1.9 U	UG/KG	Aldrin
1.9 U	UG/KG	Heptachlor Epoxide
1.9 U	UG/KG	Endosulfan I (alpha)
21 U	UG/KG	Dieldrin
180	UG/KG	4,4'-DDE (p,p'-DDE)
3.6 U	UG/KG	Endrin
12	UG/KG	Endosulfan II (beta)
26 N	UG/KG	4,4'-DDD (p,p'-DDD)
3.6 U	UG/KG	Endosulfan Sulfate
240	UG/KG	4,4'-DDT (p,p'-DDT)
19 UJ	UG/KG	Methoxychlor
3.6 U	UG/KG	Endrin Ketone
34 N	UG/KG	Endrin Aldehyde
1.9 U	UG/KG	alpha-Chlordane /2
1.9 U	UG/KG	gamma-Chlordane /2
810	UG/KG	Toxaphene
36 U	UG/KG	PCB-1016 (Aroclor 1016)
74 U	UG/KG	PCB-1221 (Aroclor 1221)
36 U	UG/KG	PCB-1232 (Aroclor 1232)
36 U	UG/KG	PCB-1242 (Aroclor 1242)
36 U	UG/KG	PCB-1248 (Aroclor 1248)
36 U	UG/KG	PCB-1254 (Aroclor 1254)
36 U	UG/KG	PCB-1260 (Aroclor 1260)
10	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

Sample 8359 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

**Pesticides & Aroclors Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 17:00

Id/Station: SN27SS /

MD No: 38D3

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38D3

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
1.8 U	UG/KG	alpha-BHC
1.8 U	UG/KG	beta-BHC
1.8 U	UG/KG	delta-BHC
1.8 U	UG/KG	gamma-BHC (Lindane)
1.8 U	UG/KG	Heptachlor
1.8 U	UG/KG	Aldrin
1.8 U	UG/KG	Heptachlor Epoxide
1.8 U	UG/KG	Endosulfan I (alpha)
10 N	UG/KG	Dieldrin
110	UG/KG	4,4'-DDE (p,p'-DDE)
3.5 U	UG/KG	Endrin
3.5 U	UG/KG	Endosulfan II (beta)
7.2	UG/KG	4,4'-DDD (p,p'-DDD)
3.5 U	UG/KG	Endosulfan Sulfate
120	UG/KG	4,4'-DDT (p,p'-DDT)
18 UJ	UG/KG	Methoxychlor
3.5 U	UG/KG	Endrin Ketone
3.5 U	UG/KG	Endrin Aldehyde
1.8 U	UG/KG	alpha-Chlordane /2
1.8 U	UG/KG	gamma-Chlordane /2
180 U	UG/KG	Toxaphene
35 U	UG/KG	PCB-1016 (Aroclor 1016)
72 U	UG/KG	PCB-1221 (Aroclor 1221)
35 U	UG/KG	PCB-1232 (Aroclor 1232)
35 U	UG/KG	PCB-1242 (Aroclor 1242)
35 U	UG/KG	PCB-1248 (Aroclor 1248)
35 U	UG/KG	PCB-1254 (Aroclor 1254)
35 U	UG/KG	PCB-1260 (Aroclor 1260)
8	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

Sample 8360 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

**Pesticides & Aroclors Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 16:50

Id/Station: SN28SS /

MD No: 38D4

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38D4

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
19 U	UG/KG	alpha-BHC
19 U	UG/KG	beta-BHC
19 U	UG/KG	delta-BHC
19 U	UG/KG	gamma-BHC (Lindane)
19 U	UG/KG	Heptachlor
24 U	UG/KG	Aldrin
19 U	UG/KG	Heptachlor Epoxide
19 U	UG/KG	Endosulfan I (alpha)
36 U	UG/KG	Dieldrin
34 J	UG/KG	4,4'-DDE (p,p'-DDE)
36 U	UG/KG	Endrin
36 U	UG/KG	Endosulfan II (beta)
36 U	UG/KG	4,4'-DDD (p,p'-DDD)
36 U	UG/KG	Endosulfan Sulfate
28 J	UG/KG	4,4'-DDT (p,p'-DDT)
190 UJ	UG/KG	Methoxychlor
36 U	UG/KG	Endrin Ketone
36 U	UG/KG	Endrin Aldehyde
19 U	UG/KG	alpha-Chlordane /2
19 U	UG/KG	gamma-Chlordane /2
1900 U	UG/KG	Toxaphene
360 U	UG/KG	PCB-1016 (Aroclor 1016)
740 U	UG/KG	PCB-1221 (Aroclor 1221)
360 U	UG/KG	PCB-1232 (Aroclor 1232)
360 U	UG/KG	PCB-1242 (Aroclor 1242)
360 U	UG/KG	PCB-1248 (Aroclor 1248)
360 U	UG/KG	PCB-1254 (Aroclor 1254)
360 U	UG/KG	PCB-1260 (Aroclor 1260)
11	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane



Sample 8361 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

**Pesticides & Aroclors Scan**

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 15:05

Id/Station: SN29SS /

MD No: 38D5

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 38D5

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
2.7 U	UG/KG	alpha-BHC
2.7 U	UG/KG	beta-BHC
2.7 U	UG/KG	delta-BHC
2.7 U	UG/KG	gamma-BHC (Lindane)
2.7 U	UG/KG	Heptachlor
2.7 U	UG/KG	Aldrin
2.7 U	UG/KG	Heptachlor Epoxide
2.7 U	UG/KG	Endosulfan I (alpha)
36	UG/KG	Dieldrin
90	UG/KG	4,4'-DDE (p,p'-DDE)
5.2 U	UG/KG	Endrin
5.2 U	UG/KG	Endosulfan II (beta)
6.7 N	UG/KG	4,4'-DDD (p,p'-DDD)
5.2 U	UG/KG	Endosulfan Sulfate
110	UG/KG	4,4'-DDT (p,p'-DDT)
27 UJ	UG/KG	Methoxychlor
5.2 U	UG/KG	Endrin Ketone
5.2 U	UG/KG	Endrin Aldehyde
3.5	UG/KG	alpha-Chlordane /2
4.1 N	UG/KG	gamma-Chlordane /2
270 U	UG/KG	Toxaphene
52 U	UG/KG	PCB-1016 (Aroclor 1016)
100 U	UG/KG	PCB-1221 (Aroclor 1221)
52 U	UG/KG	PCB-1232 (Aroclor 1232)
52 U	UG/KG	PCB-1242 (Aroclor 1242)
52 U	UG/KG	PCB-1248 (Aroclor 1248)
52 U	UG/KG	PCB-1254 (Aroclor 1254)
52 U	UG/KG	PCB-1260 (Aroclor 1260)
37	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

Sample 8362 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

## Pesticides &amp; Aroclors Scan

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 11:15

Id/Station: SN30SS /

MD No: 38D6

Ending:

Media: SURFACE SOIL

D No: 38D6

Inorg Contractor: LIBRTY

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
1.8 U	UG/KG	alpha-BHC
1.8 U	UG/KG	beta-BHC
1.8 U	UG/KG	delta-BHC
1.8 U	UG/KG	gamma-BHC (Lindane)
1.8 U	UG/KG	Heptachlor
1.8 U	UG/KG	Aldrin
1.8 U	UG/KG	Heptachlor Epoxide
1.8 U	UG/KG	Endosulfan I (alpha)
42	UG/KG	Dieldrin
250	UG/KG	4,4'-DDE (p,p'-DDE)
3.5 U	UG/KG	Endrin
3.5 U	UG/KG	Endosulfan II (beta)
16 N	UG/KG	4,4'-DDD (p,p'-DDD)
3.5 U	UG/KG	Endosulfan Sulfate
400	UG/KG	4,4'-DDT (p,p'-DDT)
18 UJ	UG/KG	Methoxychlor
3.5 U	UG/KG	Endrin Ketone
3.5 U	UG/KG	Endrin Aldehyde
6.6	UG/KG	alpha-Chlordane /2
4.5 U	UG/KG	gamma-Chlordane /2
180 U	UG/KG	Toxaphene
35 U	UG/KG	PCB-1016 (Aroclor 1016)
72 U	UG/KG	PCB-1221 (Aroclor 1221)
35 U	UG/KG	PCB-1232 (Aroclor 1232)
35 U	UG/KG	PCB-1242 (Aroclor 1242)
35 U	UG/KG	PCB-1248 (Aroclor 1248)
35 U	UG/KG	PCB-1254 (Aroclor 1254)
35 U	UG/KG	PCB-1260 (Aroclor 1260)
7	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
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 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

Sample 8363 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

## Pesticides &amp; Aroclors Scan

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/10/2005 16:30

Id/Station: SN31SS /

MD No: 38D7

Ending:

Media: SURFACE SOIL

D No: 38D7

Inorg Contractor: LIBRTY

Org Contractor: CEIMIC

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
1.8 U	UG/KG	alpha-BHC
1.8 U	UG/KG	beta-BHC
1.8 U	UG/KG	delta-BHC
1.8 U	UG/KG	gamma-BHC (Lindane)
1.8 U	UG/KG	Heptachlor
1.8 U	UG/KG	Aldrin
1.8 U	UG/KG	Heptachlor Epoxide
1.8 U	UG/KG	Endosulfan I (alpha)
32	UG/KG	Dieldrin
130	UG/KG	4,4'-DDE (p,p'-DDE)
3.4 U	UG/KG	Endrin
3.4 U	UG/KG	Endosulfan II (beta)
6.0 N	UG/KG	4,4'-DDD (p,p'-DDD)
3.4 U	UG/KG	Endosulfan Sulfate
110	UG/KG	4,4'-DDT (p,p'-DDT)
18 UJ	UG/KG	Methoxychlor
3.4 U	UG/KG	Endrin Ketone
3.4 U	UG/KG	Endrin Aldehyde
1.4 J	UG/KG	alpha-Chlordane /2
2.0 N	UG/KG	gamma-Chlordane /2
180 U	UG/KG	Toxaphene
34 U	UG/KG	PCB-1016 (Aroclor 1016)
70 U	UG/KG	PCB-1221 (Aroclor 1221)
34 U	UG/KG	PCB-1232 (Aroclor 1232)
34 U	UG/KG	PCB-1242 (Aroclor 1242)
34 U	UG/KG	PCB-1248 (Aroclor 1248)
34 U	UG/KG	PCB-1254 (Aroclor 1254)
34 U	UG/KG	PCB-1260 (Aroclor 1260)
5	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.  
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
 NA-Not Analyzed. | NAI-Not Analyzed due to interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.  
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

Sample 8365 FY 2005 Project: 05-0800

Produced by: Appleby, Charlie

## Pesticides &amp; Aroclors Scan

Requestor:

Facility: 18th Street Assessment

Clarksdale, MS

Project Leader: SSPURLIN

Program: SF

Case No: 34517

Beginning: 08/12/2005

Id/Station: SN01RB /

MD No: 38A4

Inorg Contractor: LIBRTY

Ending:

Media: EQUIPMENT RINSE BLANK

D No: 38A4

Org Contractor: A4

RESULTS	UNITS	ANALYTE
0.010	UG/L	alpha-BHC
0.010 U	UG/L	beta-BHC
0.010 U	UG/L	delta-BHC
0.010 U	UG/L	gamma-BHC (Lindane)
0.010 U	UG/L	Heptachlor
0.010 U	UG/L	Aldrin
0.010 U	UG/L	Heptachlor Epoxide
0.010 U	UG/L	Endosulfan I (alpha)
0.020 U	UG/L	Dieldrin
0.020 U	UG/L	4,4'-DDE (p,p'-DDE)
0.020 U	UG/L	Endrin
0.020 U	UG/L	Endosulfan II (beta)
0.020 U	UG/L	4,4'-DDD (p,p'-DDD)
0.020 U	UG/L	Endosulfan Sulfate
0.020 U	UG/L	4,4'-DDT (p,p'-DDT)
0.10 U	UG/L	Methoxychlor
0.020 U	UG/L	Endrin Ketone
0.020 U	UG/L	Endrin Aldehyde
0.010 U	UG/L	alpha-Chlordane /2
0.010 U	UG/L	gamma-Chlordane /2
1.0 U	UG/L	Toxaphene
0.20 U	UG/L	PCB-1016 (Aroclor 1016)
0.40 U	UG/L	PCB-1221 (Aroclor 1221)
0.20 U	UG/L	PCB-1232 (Aroclor 1232)
0.20 U	UG/L	PCB-1242 (Aroclor 1242)
0.20 U	UG/L	PCB-1248 (Aroclor 1248)
0.20 U	UG/L	PCB-1254 (Aroclor 1254)
0.20 U	UG/L	PCB-1260 (Aroclor 1260)

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.  
N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.  
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L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.  
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R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.  
C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

SITE: <u>Red Panther</u>
BREAK: <u>2.4</u>
OTHER: _____



Tony Moore

04/01/2002 02:20 PM

To: Katrina Jones/R4/USEPA/US@EPA

cc:  
Subject: Red Panther - approval of Work Plan

2 4 0001

Tony Moore

404/ 562-8756

404/ 562-8699 fax

E-mail: moore.tony@epa.gov

----- Forwarded by Tony Moore/R4/USEPA/US on 04/01/2002 02:20 PM -----

10095293



Kathleen Wright

03/26/2002 10:53 AM

To: BMowrey@alston.com

cc: Tony Moore/R4/USEPA/US@EPA

Subject: Red Panther - approval of Work Plan

Bob,

This message acts as EPA's official approval of the Phase 1 Work Plan submitted by the Red Panther PRPs.

EPA's approval initiates the 60 day clock for PRP completion of the requirements set forth in Section V. Paragraph 2 of the Administrative Order on Consent for Removal Acton.

If you have any questions please contact Tony Moore at 404/562-8756.

thank you, Kat Wright



1349 West Peachtree Street, Suite 2000, Atlanta, Georgia 30309  
Tel: (404)347-9050 Fax: (404)347-9080

SITE: <i>Red Panther</i>
BREAK: <i>2.4</i>
OTHER: _____

2 4 0248

August 24, 2002

Ms. Katrina Jones  
U.S. EPA Region 4  
61 Forsyth Street, S.W.  
Atlanta, Georgia

10095295



Re: Submittal of Data and Modifications to Phase I Work Plan Ditch Excavation and Site Characterization  
Red Panther Pesticide Superfund Site, Clarksdale, Mississippi  
Administrative Order on Consent for Removal Action  
Docket No. CER-04-2001-3766

Dear Ms Jones:

The purpose of this letter is 1) to transmit the field sampling results from the ditch characterization samples taken at the Red Panther Pesticide Superfund site (the "Site") in June; 2) based on these results and the field observations, request a modification to the ditch excavation and site characterization sampling as described below; and 3) seek written approval of the Final Work Plan, as modified.

**Modification #1 – Excavate ditches 1, 2, 3 and 4 during Phase I activities; address ditches 5 and 6 during Phase II removal work**

*Ditches 1, 2, 3 and 4 are materially different from ditches 5 and 6*

The soil sample results and field observations indicate that there are two separate types of surface soil materials in the ditches that are to be excavated. The material in ditches 1, 2, 3 and 4 contain primarily pesticides. Some arsenic is also present in ditches 3 and 4. The material in ditches 5 and 6 contain arsenic and tetrachloroethene. The field samples also identified a visually distinct possible "product-like" material in two of the borings in ditch 6. The lateral extent of this material is not known since the samples were collected only along the centerline of the ditch.

*Avoid risking large excavation off-site during ditch excavation*

We propose to defer excavation of ditches 5 and 6 to avoid opening a potentially large excavation during the ditch removal operation, in an area off the Red Panther property.

*Coordinate ditch 5 and 6 excavation with future work after further sampling.*

We propose to defer excavation of ditches 5 and 6 to allow additional sampling of these ditches to be performed during site characterization sampling. Horizontal and

vertical excavation cut lines for ditches 5 and 6 can then be developed and the excavation can be coordinated with the removal work performed with respect to the remainder of the site.

*Disposal requirements differ*

The TCLP results of ditch 5 and 6 samples are characteristically hazardous for arsenic and tetrachloroethene. The results from ditches 1, 2, 3 and 4 were not characteristically hazardous with the exception of a slight exceedance in ditch 4 for tetrachloroethene. (Ditch 4 will be resampled for characterization following excavation and prior to disposal.) Ditches 5 and 6 may require segregation of the excavated soils for proper disposal. Deferring the excavation of the soils from ditches 5 and 6 until the removal activities during Phase II would allow more efficient handling by consolidation with other hazardous materials requiring similar treatment. Assuming the resample of ditch 4 proves non-hazardous, the soils from ditches 1, 2, 3 and 4 will be non-hazardous and can be disposed off-site in a sub-title D landfill. If the resample of ditch 4 indicates TCLP exceedances, the appropriate soils from ditch 4 will be covered and stockpiled on site.

*Source of tetrachloroethene unknown*

Please note that the PRP group will perform the remediation required to properly dispose of the soils in the ditches contaminated with tetrachloroethene, and as noted above, horizontal and vertical excavation cut lines for ditches 5 and 6 will be developed so that the excavation can be coordinated with the removal activities on the remainder of the site, utilizing the constituents of concern in the Administrative Order on Consent (AOC) to determine the extent of removal. However, the AOC otherwise does not address tetrachloroethene, and it was not identified as a constituent of concern on the site proper through EPA's extensive sampling on the Red Panther property. The ditches where it has been identified receive runoff from other potential source locations not associated with the Site. The PRP group does not accept responsibility for placing the tetrachloroethene in the ditches. The PRP group has no knowledge of records that indicate tetrachloroethene was used at the Red Panther facility. The PRP group assumes it has no further responsibility for investigation or remediation of tetrachloroethene and does not anticipate conducting work specific to the substance beyond the excavation necessary to reach the performance standards specified in the AOC.

**Modification #2 - Install fence and erosion control along ditches 5 and 6**

The PRP group will install a fence north of the ditch on the Graeber property. The fence will limit access to the ditches in the interim period from the ditch excavation through completion of site remediation. During the excavation of ditches 1 through 4 the group will also install silt fences and hay bales along ditches 5 and 6 in order to reduce erosion and runoff.

**Modification #3 – Add sample grids to ditches 5 and 6**

The attached figures show the modified surface and subsurface exposure domain and the proposed additional sample grids for ditches 5 and 6. The original exposure domain included the area of ditch 5 and the parking area immediately to the northeast. Ditch 6 was not included in the original exposure domain. An area approximately 20 feet wide and 200 feet long was added to the north side of Area B to bring in ditch 6 (Figure 1). Figure 2 shows the additional sampling grids to be added to the site characterization sampling plan for ditches 5 and 6. These grids are numbered BG13 through BG20. The ditch sampling grids will be sampled in the same manner and for the same constituents as the on site grids for the site characterization.

**Modification #4 – Remove and replace road and driveway culverts instead of pressure washing**

The culverts had previously been planned for pressure washing with collection of sediments and wash water. The culverts were to remain in place following the ditch excavation. Given the poor condition of the culverts and complexity of collecting the sediments and wash water, the group will instead excavate the culvert across the roadways, driveways and ditches in the areas of ditches 1, 2, 3 and 4 and replace with new corrugated metal culverts. Material excavated will be disposed with the other ditch materials in the sub-title D landfill. The metal culverts removed will be crushed and disposed in the sub-title D landfill.

Please be advised that to date we have not received written approval from U.S. EPA of the final Phase I Work Plan as provided under Section V(2)(A)(1)(d) of the AOC. The PRP group received an email approval of the draft Phase I Work Plan in March, and then submitted the Final Work Plan as required under Section V(2)(A)(1) of the AOC on May 24, 2002. As the Final Work Plan included elements that were not present in the draft Work Plan, and in light of the modifications requested in this letter, the PRP group requests U.S. EPA provide written approval of the Final Phase I Work Plan, as modified by this letter so that the implementation of the Phase I Work Plan field work can commence. Following receipt of written approval, the PRP group will submit a revised schedule for the Phase I Work Plan implementation.

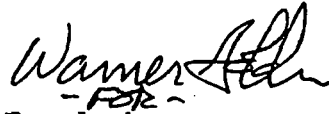


2 4 0251

Thank you for your attention in reviewing this modification to the Red Panther work plans.  
Please contact the undersigned if you have any questions or comments.

Sincerely,

URS



- FDR -  
Brent Jacobs  
Project Coordinator

NewFields



Warner Golden, P.E.  
Technical Coordinator

**Attachments:**

Ditch Sample Results Summary Table

Figure 1 – Surface Exposure Domain

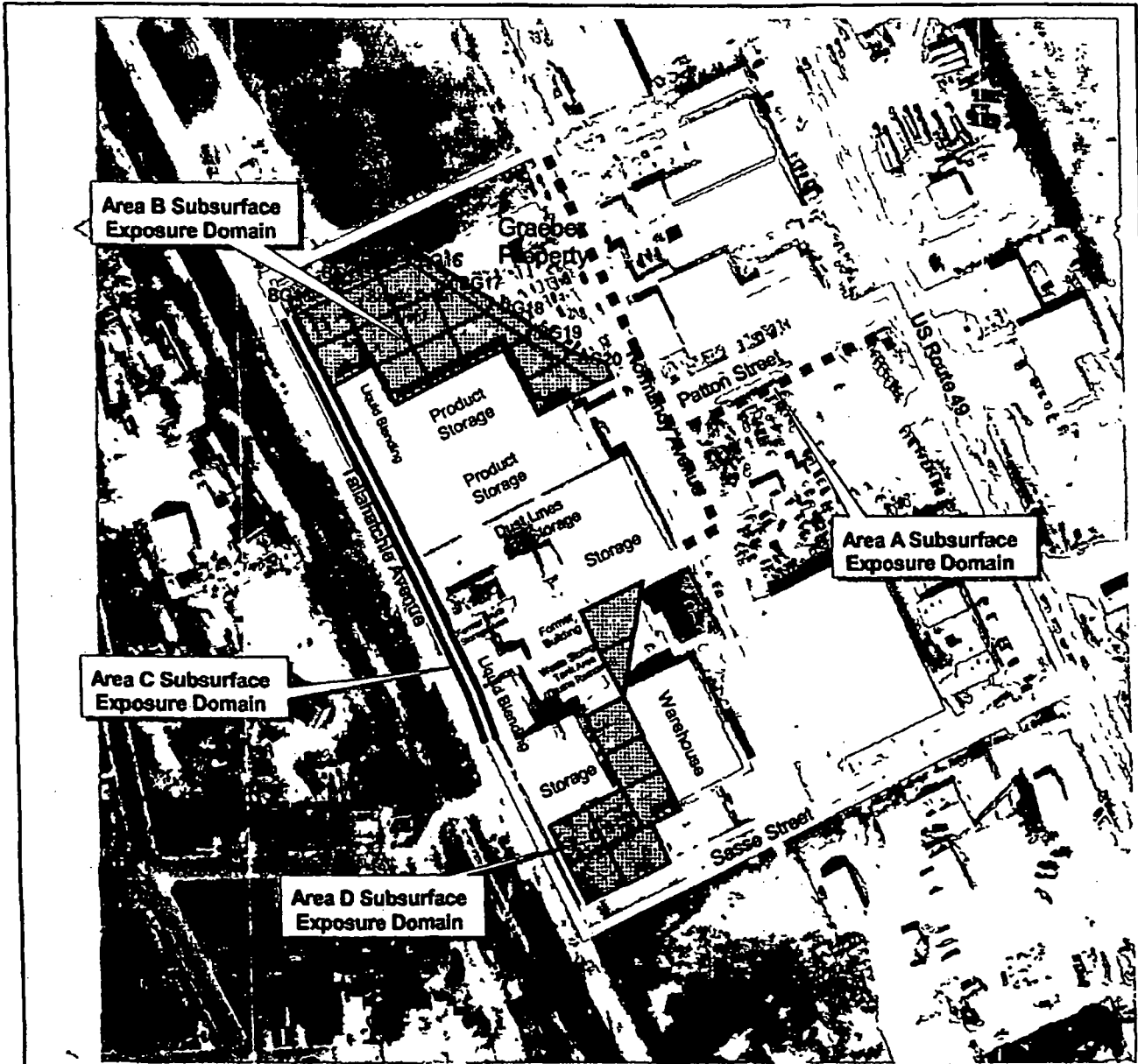
Figure 2 – Subsurface Exposure Domain







Ditch Characterization Analytical Data  
 Red Panther Removal  
 Clarksdale, Mississippi

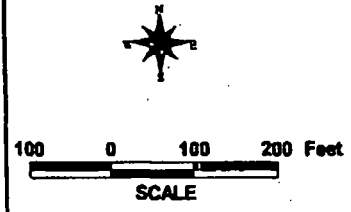
Constituent	Analytical Method	Units	TCLP Regulatory Limit (mg/L)	SB01 0-1'	SB01 1-2'	SB02 0-1'	SB02 1-2'	SB03 0-1'	SB03 1-2'	SB04 0-1'	SB04 1-2'	SB05 0-1'	SB05 1-2'	SB06 0-1'	SB06 1-2'
<b>Pesticides</b>	<b>8081A</b>														
aldrin		mg/kg		105 00	155 00	310 00	84 40	1 49	0 03						
a-BHC		mg/kg			16 90	116 00	22 10								
b-BHC		mg/kg									0 03				
d-BHC		mg/kg				29 50									
g-BHC (Lindane)		mg/kg				46 30									
4 4' -DDD		mg/kg		694 00	539 00	833 00	295 00	11 30	0 39	0 79	0 02			0 31	2 03
4 4' -DDE		mg/kg				78 00		1 82	0 08	0 79	0 24			0 60	11 20
4 4' -DDT		mg/kg		956 00	854 00	1280 00	321 00	5 69	0 08	0 99	0 06			0 56	6 09
Dieldrin		mg/kg		243 00	200 00	938 00	184 00	4 62	0 31	1 16	0 37	0 26	0 05	0 74	0 78
Endosulfan I		mg/kg													
Endosulfan II		mg/kg		78 50	65 40	226 00	64 40						0 12	0 16	
Endosulfan sulfate		mg/kg				99 10									
Endrin		mg/kg		294 00	213 00	527 00	177 00							0 24	
Endrin aldehyde		mg/kg		121 00	94 90								0 14		
Endrin Ketone		mg/kg		98 70	78 10	97 00	64 40	0 82							
Heptachlor		mg/kg				12 60									
Heptachlor epoxide		mg/kg								0 62					
Methoxychlor		mg/kg													
Toxaphene		mg/kg													
alpha-chlordane		mg/kg		22 10	16 90	81 10	22 10	3 04	0 08	10 80	0 06	1 05	0 31	0 19	
gamma-chlordane		mg/kg				25 30		3 47	0 09	12 90	0 11	1 34	0 38	0 21	
<b>Total Pesticides</b>				<b>2610 30</b>	<b>2233 20</b>	<b>4680 90</b>	<b>1234 40</b>	<b>32 25</b>	<b>1 06</b>	<b>26 35</b>	<b>0 91</b>	<b>2 65</b>	<b>1 00</b>	<b>3 03</b>	<b>20 10</b>
<b>Metals</b>	<b>8010B</b>														
Arsenic		mg/kg		71 60		69 10	60 30	248 00		859 00	57 30	3500 00	1470 00	2950 00	527 00
<b>TCLP *</b>	<b>8000/8269/8270/c</b>														
Arsenic		mg/L	5 00	-	-	-	-	-	-	-	-	26 80	15 50	17 80	-
Tetrachloroethene		mg/L	0 70	-	-	-	-	-	-	0 87	-	-	1 03	-	-

Note  
 mg/kg - milligrams per kilogram  
 mg/L - milligrams per liter  
 If a value is not listed for total pesticides then the constituent was not detected above the laboratory report limits  
 \* Only values for constituents exceeding TCLP regulatory values are listed  
 - Below TCLP Regulatory Limit

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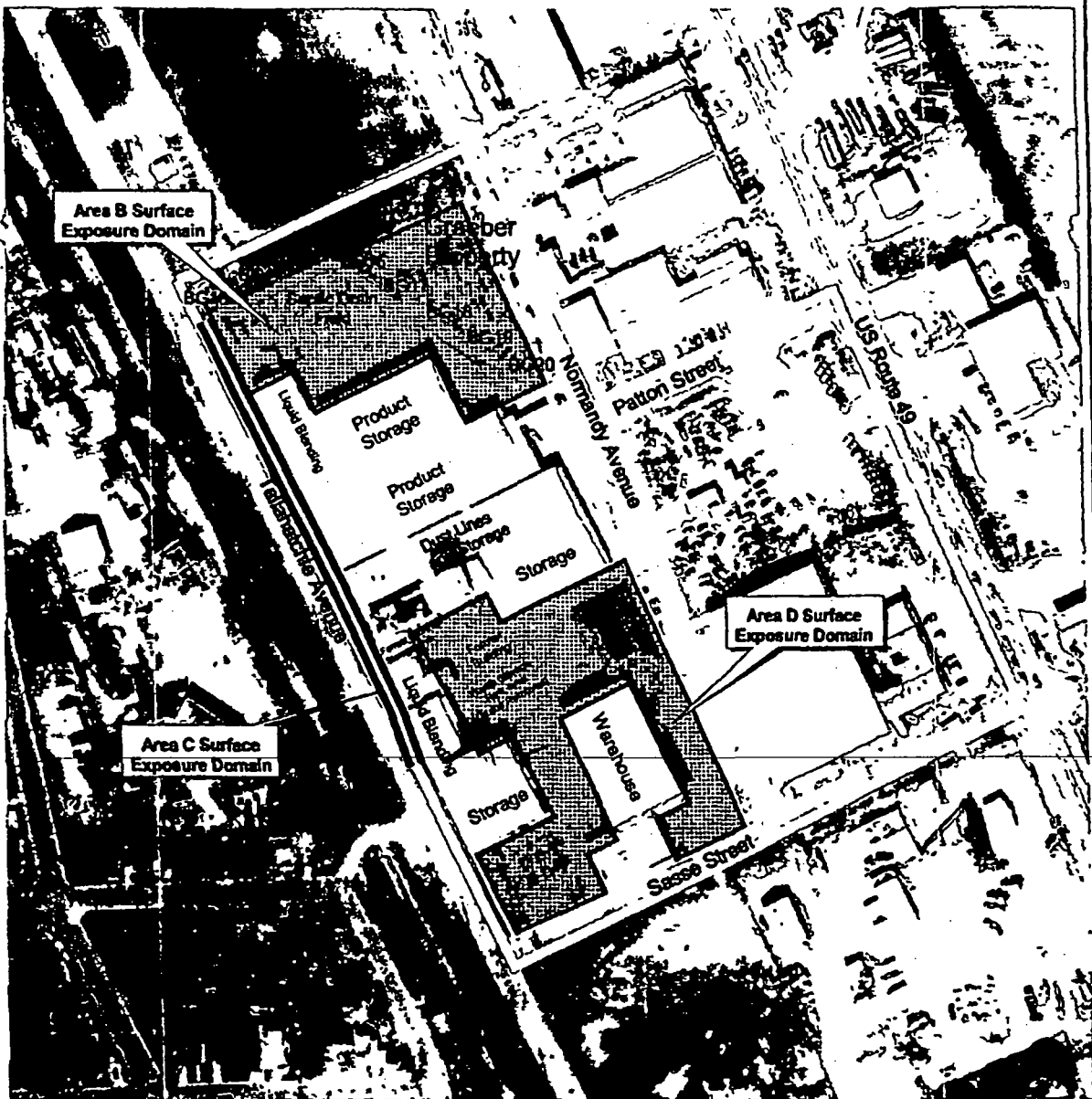
LEGEND	
	Area A Subsurface Domain
	Area B Subsurface Domain
	Area C Subsurface Domain
	Area D Subsurface Domain
	Site Boundary
	Study Area






**NEWFIELDS**  
 1349 West Peachtree Street - Suite 2000  
 Atlanta, Georgia 30309  
 Phone: (404) 347-9050 - Fax: (404) 347-9080  
 www.newfields.com

**Red Panther Chemical Company**  
 Clarkdale, Coahoma County, Mississippi

**Figure 2**  
 Subsurface Exposure Domains  
 Ditch 5 and 6 Sampling Grids  
 Rev: August 23, 2002



**LEGEND**

-  Area B Surface Exposure Domain
-  Area C Surface Exposure Domain
-  Area D Surface Exposure Domain

Site Boundary

Study Area



1349 West Peachtree Street ~ Suite 2000  
Atlanta, Georgia 30309  
Phone: (404) 347-9050 ~ Fax: (404) 347-9080  
www.newfields.com

Rad Panther Chemical Company  
Clarksdale, Coahoma County, Mississippi

Figure 1  
Surface Exposure Domains  
Rev: Aug 23, 2002



# The Revised Hazard Ranking System: Evaluating Sites After Waste Removals

Office of Emergency and Remedial Response  
Hazardous Site Evaluation Division, OS-230

Quick Reference Fact Sheet

The US. Environmental Protection Agency (EPA) has revised the Hazard Ranking System (HRS) in response to the Superfund Amendments and Reauthorization Act of 1986 (SARA). The HRS is the primary mechanism for placing sites on the National Priorities List (NPL). Under the original HRS promulgated under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), a site was scored based on conditions that existed prior to any removal actions. Under the revised HRS, waste removals may be considered under certain circumstances. The term "waste removal", as used in this fact sheet, refers to the physical removal from the site of hazardous substances or wastes containing hazardous substances. The waste removal policy is designed to provide an incentive for rapid response actions by potentially responsible parties (PRPs), reducing risks to the public and the environment and allowing for more timely and cost-effective cleanups.

This fact sheet provides information for EPA Regional staff, States, and PRPs. It defines the concept of "qualifying removal," explains how to score sites where qualifying removals have been conducted, and discusses some of the management implications of the removal policy. In addition, this fact sheet provides examples of how to score sites where removals have occurred.

## WHEN TO CONSIDER A REMOVAL

In the preamble to the HRS final rule (54 FR 51567, December 14, 1990), EPA established three requirements that must be met for the results of a removal to be considered in scoring a site for the NPL (Figure 1). This fact sheet pertains only to removal actions that meet all three requirements, that is, "qualifying removals." Procedures for evaluating sites where other types of response actions have occurred are being developed.

### Removal of Waste

The first requirement is that all waste subject to the removal must be physically removed from the site. This requirement ensures that removals do not simply move the waste and its associated risks to another portion of the same site. A removal action (or removal) conducted by Superfund's emergency response program does not necessarily involve physical removal of wastes from the site.

### FIGURE 1 Requirements for Considering Removal Actions

- The removal action must physically remove waste from the site.
- The removal action must have occurred prior to the cutoff date applicable to the site (see Figure 2).
- The removed waste must be disposed or destroyed at a facility permitted under RCRA or TSCA or by the NRC.

For example, Superfund removal actions, as defined in CERCLA section 101(23), may include stabilizing or containing waste on-site through engineering controls or limiting exposure potential

by erecting fences or providing alternate water supplies. These types of actions do not constitute a qualifying removal for HRS purposes.

A qualifying removal for HRS purposes does not have to remove all the waste at a site or even all the waste in a particular source. Partial removal of waste from a site (meeting all three requirements) will be considered in scoring the site; however, a complete removal generally results in the maximum score reduction.

### Timing

The second requirement is that the removal must have occurred prior to the cutoff date applicable to the site. The HRS preamble states that EPA will only consider removals conducted prior to the site inspection (SI). Because of differences in site assessment activities for different types of sites (e.g., EPA-lead, State-lead, Federal facilities), criteria for determining the appropriate cutoff date under this rule differ among sites.

**Non-Federal Facility Sites.** An SI for non-Federal facility sites begins with development of a workplan, which often includes the sampling strategy for the site. EPA believes that it would disrupt SIs to consider the results of removal actions conducted after this point because to do so could require revising sampling plans, resampling, or rescoreing the site. Therefore, the SI cutoff date generally is the date that development of a workplan for the SI begins or whatever date is analogous to workplan development (Figure 2). If no such date is available (i.e., no workplan or analogous event), the cutoff date is the earliest documented date for Superfund SI activities at the site. For example, this date may include, but is not limited to, the date when a Superfund SI report, collating previously collected analytical data, is drafted. The cutoff date is not based on the date of a State or PRP site investigation conducted independently of CERCLA/SARA; the cutoff is based on the date these data are collated for Superfund SI purposes. Consult *Guidance for Performing Site Inspections Under CERCLA* (in preparation) for additional information.

**Federal Facility Sites.** Federal facility sites undergo a different site assessment process than private sites. Assessments and evaluations of Federal facility sites are expected to be conducted within 18 months of placement on the Federal

## FIGURE 2 Determining Cutoff Date

**Non-Federal Facility Sites:** Date that development of workplan for first SI began or analogous date, such as:

- SI start date in CERCLIS;
- Date of technical directive document or memorandum (TDD or TDM) issued for work assignment to develop SI workplan; or
- Date of an SI reconnaissance to develop SI workplan.

If no such date is available, the cutoff date is the earliest documented date of Superfund SI activities at the site.

**Federal Facility Sites:** 18 months after placement on Federal facilities docket.

facilities docket. Therefore, the cutoff date for Federal facility sites is 18 months after the site is placed on the Federal facilities docket.

**Sites with Multiple SIs.** For sites with more than one SI, the cutoff date for most sites will be keyed to the first SI; however, the Agency may establish a later cutoff date under certain circumstances:

- If a second SI implementing a completely new sampling strategy is conducted, the Agency may consider basing the cutoff date on workplan development for the second SI. Considering removals in these cases is not likely to unduly disrupt the site assessment process.
- For sites where the first SI was conducted more than 4 years prior to HRS scoring, the Agency may consider, on a case-by-case basis, changing the cutoff date to a later date. (CERCLA Section 116, added by SARA, mandates that EPA conduct site assessment work within 4 years.)

However, the transition to the revised HRS may mean that some site evaluations will exceed 4 years

because sites will require follow-up sampling. Follow-up sampling will not be used to determine a new cutoff date even if more than 4 years have elapsed since the first cutoff date because the bulk of sampling generally will have been conducted previously.

### Proper Destruction or Disposal

The third requirement for a qualifying removal is that all waste removed must be disposed or destroyed at a facility permitted under the Resource Conservation and Recovery Act (RCRA) or the Toxic Substance Control Act (TSCA) or by the Nuclear Regulatory Commission (NRC). This requirement encourages proper disposal of the removed wastes and discourages simply moving waste and associated hazards to another location.

### SCORING HAZARDOUS WASTE QUANTITY

Hazardous waste quantity (HWQ) is scored as follows for sites where waste has been removed:

- Do not count the amount of waste removed in any qualifying removal when scoring HWQ. (Certain minimum HWQ factor values may apply, however.)
- Score HWQ as if the waste was not removed for all non-qualifying removals.

For partial qualifying removals, the scorer generally may subtract the amount of waste removed from the total amount of waste deposited in a source, if the same tier can be used for scoring. That is, the total (pre-removal) and removed HWQs must be determined using the same HWQ tier. For example, if HWQ for a source is scored using Tier B (hazardous wastestream quantity), but only Tier C (volume) of the removed waste is known, the HWQ for the removed waste cannot be subtracted from the HWQ for the entire source. If both the source and removed waste are scored using Tier C, HWQ for the removed waste can be subtracted. In addition, where HWQ is estimated as the once-filled volume and the total volume of waste deposited is known to be many times this volume (e.g., surface impoundments), the amount of waste removed cannot be subtracted.

The accuracy of scoring sites with qualifying

removals depends on being able to determine with reasonable confidence the quantity of hazardous substances remaining in sources at the site and the quantity already released into the environment. Consequently, minimum factor values (MFV) for HWQ apply in the absence of sufficient information to adequately determine the quantity remaining and the quantity released. Figure 3 explains how to determine appropriate minimum HWQ factor values for migration pathways (i.e., ground water, surface water, and air pathways).

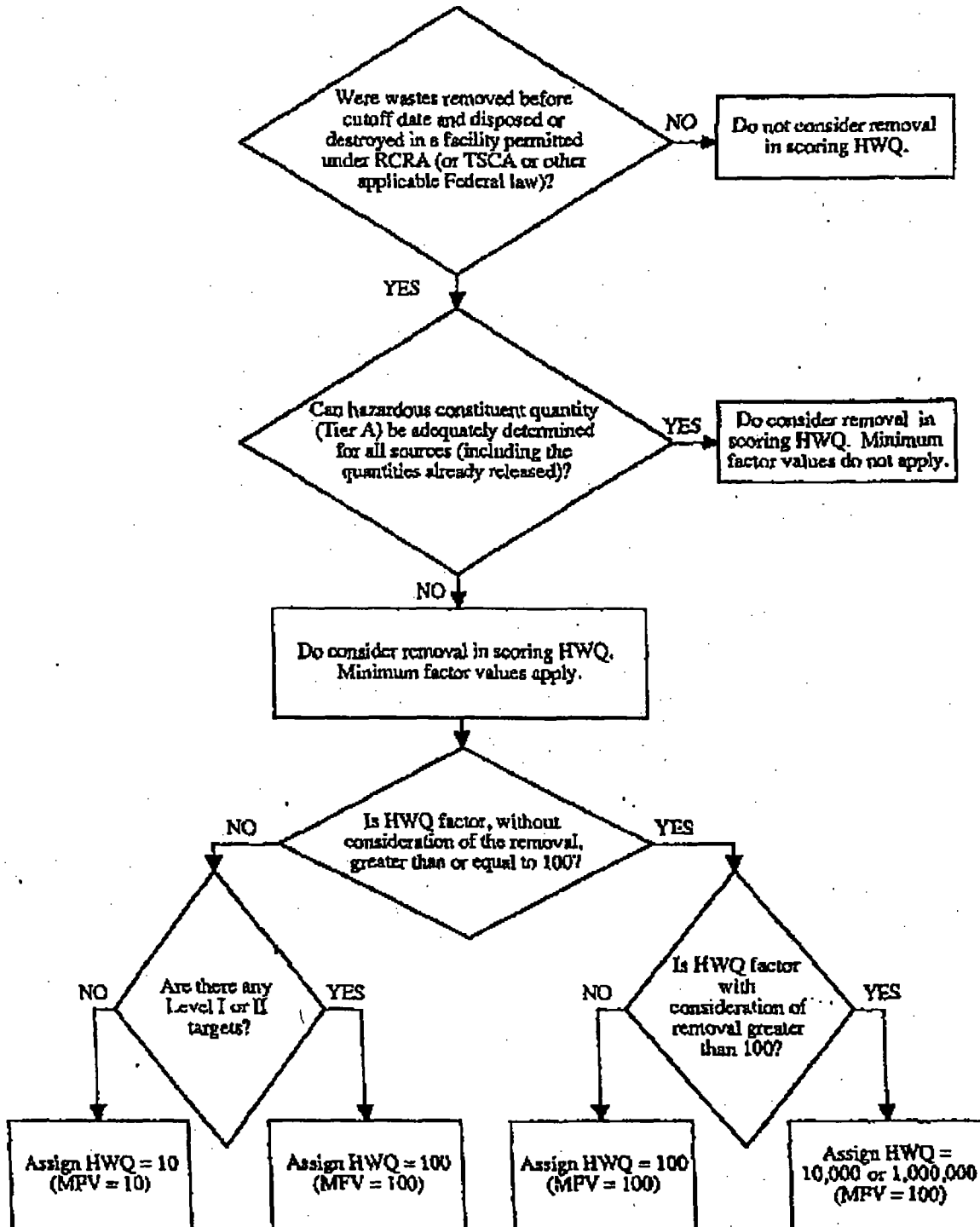
### HWO for Migration Pathways

Tier A (hazardous constituent quantity) of the HWQ evaluation involves determining the quantity of CERCLA hazardous substances remaining in the sources and in releases to the environment. To score HWQ completely using Tier A, the total mass of all CERCLA hazardous substances in all sources and in releases from the sources to the environment for that pathway must be known or estimated with reasonable confidence. If Tier B (hazardous wastestream quantity), C (volume), or D (area) is evaluated for any source for the pathway, the HWQ factor value for that migration pathway is subject to minimum values.

For migration pathways, a pathway-specific minimum factor value applies to all sites where hazardous constituent quantity cannot be adequately determined. At sites where no qualifying removal has taken place and there are no Level I or II targets in a given pathway, the HWQ factor for that pathway is subject to a minimum value of 10; if there are Level I or II targets, the minimum value is 100. At sites where a qualifying removal has occurred, the minimum HWQ factor value for a given migration pathway depends on several considerations:

- If a target in that migration pathway is subject to Level I or II concentrations, the minimum HWQ factor value for that pathway is 100.
- If no targets in that migration pathway are subject to Level I or Level II concentrations, then:
  - If the HWQ factor value would be 100 or greater without considering the removal, then the minimum HWQ factor value for that pathway is 100.

**FIGURE 3**  
**Determining Minimum Factor Values (MPV) for Hazardous Waste Quantity (HWQ)**  
**at Sites with Removals (Migration Pathways Only)**



Note: Minimum HWQ factor values are pathway-specific.



If the HWQ factor value would be less than 100 without considering the removal, then the minimum HWQ factor value for that pathway is 10.

The minimum HWQ factor value of 10 (i.e., final bullet above) ensures that a site will not receive a higher score simply because a removal has been conducted. Under no circumstances will a party be penalized for conducting a qualifying removal.

#### HWQ for Soil Exposure Pathway

HWQ is evaluated differently for the soil exposure pathway than for the migration pathways. In the soil exposure pathway, HWQ is always based on conditions at the time of the SI. Only the first 2 feet of areas of observed contamination plus tanks, drums, and other container sources are included in evaluating HWQ. The HWQ factor is subject to a minimum value of 10 (if hazardous constituent quantity cannot be adequately determined), regardless of whether there has been a qualifying removal. Section 5.1.2.2 of the HRS rule provides further information on evaluating HWQ for the soil exposure pathway.

#### DETERMINING QUANTITY OF HAZARDOUS SUBSTANCES REMAINING

EPA's removal policy is meant to encourage the PRP conducting the removal to determine the quantity of CERCLA hazardous substances remaining in sources at the site and the full extent of the associated releases to the environment. If a release to the environment has occurred or is suspected, the PRP must determine with reasonable confidence the total quantity of all CERCLA hazardous substances in releases to all media to receive the maximum reduction in score (i.e., to avoid use of the minimum factor value). This requires determining HWQ for all sources completely using Tier A (Figure 4). As discussed previously, if the total mass of all CERCLA hazardous substances in all sources and in releases to the environment (or in areas of observed contamination for the soil exposure pathway) cannot be adequately determined for a pathway, the HWQ factor for that pathway is subject to minimum values.

At sites where surface soils or wastes have been removed, Regions are encouraged to collect a reasonable number of additional soil and/or

#### FIGURE 4 Adequately Determining Hazardous Constituent Quantity

Hazardous constituent quantity can be calculated for a source using the following equation:

$$HCQ = \sum_{i=1}^n C_i \times D_m \times V_s$$

where:

- HCQ = hazardous constituent quantity for source S (mass)  
 $C_i$  = average concentration of constituent  $i$  (mass/mass)  
 $n$  = total number of CERCLA hazardous substances  
 $D_m$  = density of source medium (mass/volume)  
 $V_s$  = volume of source S (volume)

To use this equation to adequately determine hazardous constituent quantity for a source:

- the equation must be applied to each medium;
- the volume of the source must be known with reasonable confidence;
- representative values for the average concentration of each hazardous substance deposited in the source must be known; and
- there, must be no release from the source.

The key to using concentration data to estimate hazardous constituent quantity is determining a representative value for the average concentration of each hazardous substance in the source or portion of the source. This can be very difficult for sources where the distribution of hazardous substances shows high spatial or temporal variability. In addition, if a release from the source has occurred, then the total mass of all hazardous substances released to the environment must also be adequately determined.

Hazardous constituent quantity also can be adequately determined if complete data are available on the quantity of hazardous substances deposited (e.g., manifest data). The procedure described above does not apply to RCRA wastes or radionuclides.

subsurface samples to verify the PRP's evaluation of hazardous constituent quantity for the remaining waste. SIs are not intended to address the full extent of contamination at sites; therefore, EPA generally will rely on PRPs to quantify the extent of releases to all media, so that they can receive the maximum possible reduction in HWQ factor value. If subsequent Regional sampling reveals that HWQ is greater than that estimated by the PRP during the removal, the HWQ factor value is calculated based on these new data.

### SCORING OTHER FACTORS

For the migration pathways, a number of factors other than HWQ can be affected by the removal of waste and, in some cases, are scored to reflect a qualifying removal (Figure 5).

#### Likelihood of Release Factors

The results of a qualifying removal may be taken into account in scoring several factors in the likelihood of release factor category for the source subject to the removal. These factors include:

- observed release (or observed contamination);
- containment; and
- source type.

An observed release to one of the migration pathways documented before or after a qualifying removal can be used to score likelihood of release. That is, a qualifying removal does not negate the fact that the source already has released to the environment. However, areas of observed contamination in the soil exposure pathway are intended to reflect continuing risks at the site. Therefore, soil exposure pathway factors should be documented by sampling that represents conditions at the time of the SI.

Changes in source containment should be considered only when:

- the change results from a qualifying removal;
- no observed release of a hazardous substance associated with that source is established for a given pathway; and
- the containment factor value for the affected source is equal to 0 for that pathway after the removal.

### FIGURE 5 Scoring Other Factors

Changes in factors other than HWQ should be considered in scoring a migration pathway only if:

- the change in that factor was a direct result of a qualifying removal;
- No observed release of a hazardous substance associated with the source is established for that pathway, and
- The removal completely eliminated a source (and its associated releases) or resulted in a containment factor value of 0 for that source in that pathway.

If changes in containment result in a lower -- but non-zero -- containment factor value, then that source is assigned a containment factor that does not reflect the changes that resulted from the qualifying removal. Similarly, changes in source type that result in a non-zero source type factor value are not considered in scoring. Changes that result in a source type factor value of 0 are considered.

#### Substance-specific Factors

Some substance-specific HRS factors can be affected if a qualifying removal completely eliminates a hazardous substance from a pathway (i.e., all sources of that hazardous substance are completely removed or have containment factor values of 0 and there is no observed release or observed contamination of that substance). These factors include:

- toxicity;
- mobility;
- persistence;
- bioaccumulation potential; and
- gas migration potential.

None of these factors can be based on a hazardous substance that was completely eliminated from a pathway by a qualifying removal. Such a removal must include all sources of that hazardous substance, and no releases of that substance to the environment may have occurred. EPA generally

will be unable to obtain such information and will rely on PRPs to produce these data. If a portion of a source is eliminated in a qualifying removal, the remaining portion of that source is assumed to contain the same hazardous substances as the removed portion, unless the PRP can document otherwise (e.g., provide analytical results or manifest data that convincingly demonstrate a given hazardous substance is not present in the remaining portion of the source). For the soil exposure pathway, toxicity should be based only on hazardous substances meeting the criteria for observed contamination at the time of the SI.

### Targets Factors

Site-specific target distance limits or distance rings in migration pathways may change if a qualifying removal eliminates a source or changes a source in such a way that it is not available to a pathway (i.e., containment factor value of 0).

For a migration pathway:

- If an observed release (or observed contamination) is associated with a source, include that source when measuring target distances, regardless of whether a qualifying removal has occurred or whether the containment factor value is 0.
- If a source is completely eliminated or the characteristics of the source are changed such that the source's containment factor value for a given pathway is 0, and no observed release of a hazardous substance associated with that source to that pathway has occurred, do not include that source in measuring target distances for that pathway.
- If the characteristics of a source are changed, but that source is still available to a given pathway (i.e., non-zero containment factor value), then include that source when measuring target distances for that pathway.

For the soil exposure pathway:

- If all or part of an area of observed contamination is removed, do not include the removed area when determining the target distance limits.

EPA generally will not be able to document the complete removal of a source within the normal SI field sampling. EPA will rely on PRPs to provide the additional information that is needed to document complete removal of a source.

### MANAGEMENT IMPLICATIONS

Site managers should be aware of the changes in site scores that may occur under the waste removal policy and understand the need to document releases at removal sites. In addition, EPA's removal and site assessment programs must coordinate at sites where the removal program is considering taking action.

### Changes in Site Scores

The waste removal policy is intended to provide an incentive for timely and thorough removals by potentially lowering the HRS score for sites where a qualifying removal is conducted. This score lowering may be major or minor, depending on the characteristics of the site and the extent of the removal action:

- Because the HWQ factor values are grouped in two-order-of-magnitude ranges (100, 10,000 and 1,000,000), large changes in the HWQ factor value may occur for two types of sites: (1) sites where very large quantities of waste have been removed and (2) sites where the HWQ factor prior to removal was slightly above the lower boundary of a HWQ range.
- Likelihood of release could be affected for migration pathways where no observed release has been detected and a source is completely eliminated from a pathway by a qualifying removal (or is changed such that the containment factor value now equals 0).
- Large changes in target factor values could occur if surface soil contamination is removed from areas occupied by resident individuals or if source elimination significantly changes the targets evaluated.

### Documenting Releases

At sites where the PRP claims to have completely eliminated a source (including any associated releases), the PRP must confirm this claim through adequate sampling. A source will be

evaluated on the basis of SI sampling unless the PRP can produce additional information that documents complete removal. Furthermore, if Regions believe that hazardous constituent quantity for the remaining source and its releases is not adequately determined, the minimum HWQ factor values for removal sites apply. At sites where a PRP has calculated hazardous constituent quantity for a source, Regions are encouraged to conduct sampling, to the extent practicable, to verify this information.

#### QUESTIONS AND ANSWERS

- Q. How are multiple removals at the same site treated?
- A. The number of individual removals does not matter as long as each removal considered in scoring is a qualifying removal. All qualifying removals should be considered and all non-qualifying removals should not be considered when calculating the HRS score.
- Q. Whose removals are considered?
- A. The waste removal policy applies to all sites, regardless of the identity of the party conducting the removal. EPA, State, and PRP removals are subject to the same requirements under the HRS removal policy.
- Q. Does the waste removal policy apply to Federal facility sites?
- A. Yes. The only difference in applying the removal policy to Federal facilities is the difference in determining the cutoff date.
- Q. Are SIs conducted by States under cooperative agreements considered EPA SIs for the purposes of the HRS removal policy?
- A. Yes.
- Q. If a qualifying removal eliminates the only drums in a group for which data concerning the contents are available, how should substance-specific factors be scored for this source?
- A. In the absence of information to the contrary,

Regions may assume that the remaining portion of a source contains the same hazardous substances as the removed portion. If a PRP can produce convincing evidence that the hazardous substances in the removed portion of a source are not present in the remaining portion, these substances should not be used to score any substance-specific factors for that source. Regions should not, however, assume that hazardous substances present in one source (e.g., a group of drums) are present in a different source (e.g., a landfill) without supporting information.

- Q. Prior to the cutoff date for a site, the PRP removed all of the waste from a pile and transferred it to an on-site containment system that would be assigned a containment factor of 0 for all pathways. Should the pile still be considered a source in scoring the site?
- A. Yes. The pile should be considered when scoring this site. This response action did not physically remove waste from the site; therefore, it is not a qualifying removal.
- Q. A site had an SI three years ago, but a number of additional samples were taken subsequently to support HRS scoring. Which investigation should be used to assign the cutoff date?
- A. Because the overall sampling strategy is developed in the first SI, the cutoff date is based on the first SI.
- Q. What if the cutoff date falls in the middle of a waste removal that was conducted over an extended period of time?
- A. Those wastes that were removed prior to the cutoff date (in compliance with all three requirements) are not considered in scoring the site.
- Q. Can a removal assessment conducted by the EPA removal program be used to determine the cutoff date?
- A. No. SIs conducted under the aegis of Superfund's site assessment program are used to determine the cutoff date for qualifying removals.

## FIGURE 6 -- EXAMPLES

### Example 1

A site has a large landfill as its only source. The top 4 feet of the Landfill were excavated and replaced with uncontaminated soil that is now heavily vegetated. The excavated materials were removed from the site and were properly disposed prior to the cutoff date. An observed release to ground water was established prior to the removal using data from an on-site monitoring well.

**Qualification:** This is a qualifying removal because it meets all three requirements, Consider the removal in scoring the source.

**HWQ:** Do not consider the quantity of excavated materials in scoring HWQ. Because it is unlikely that the total mass of all CERCLA hazardous substances in the landfill and releases to environmental media will be known or estimated with reasonable confidence, this site is likely to be subject to a minimum HWQ factor value of either 10 or 100. Calculate the HWQ factor value considering and not considering the removed materials to determine the appropriate minimum value. If the landfill is scored using Tier C (volume), then subtract the removed 4 feet from the total volume of the waste. If the landfill is scored using Tier D (area), then the removal will not change the HWQ factor value.

**Other Factors:** Soil Exposure. Because this pathway is concerned with potential direct exposures to surface sources and the top 2 feet of soil only, replacing the top 4 feet of contaminated material with clean soil has eliminated the soil exposure pathway for this site. Unless contamination can be found in the top two feet of soil at this site, the soil exposure pathway receives a score of 0.

Air. The changes made in conjunction with the removal result in a containment factor of zero for the air pathway; therefore, the landfill is no longer considered a source for the air pathway and is not considered in any air pathway calculation (e.g., HWQ, target distance). Because the landfill is the only source at this site, the air pathway would receive a score of 0, unless an observed release to air was documented prior to the removal.

Ground Water. The observed release to ground water can still be used to score likelihood of release. Do not consider the effects of the removal in scoring factors other than HWO for the ground water pathway.

Surface Water. The changes made in conjunction with the removal do not result in a containment factor of 0 for surface water. Do not take the effects of the removal into account in scoring factors other than HWQ for the surface water pathway.

### Example 2

One of the sources at a site is a waste pile. The wastes in this pile were transferred to drums that currently are stored on-site while plans for their disposition are made. The cutoff date is the date the work assignment for development of the SI workplan was issued (1/15/89); this response action took place on 9/5/89.

**Qualification:** This is not a qualifying removal. First, this response action did not physically remove wastes from the site. Second, the response action took place after the cutoff date for qualifying removals. Do not consider the removal in scoring the source.

## FIGURE 6 -- EXAMPLES (concluded)

### Example 3

One of the sources at a site is a group of approximately 20 drums. All were removed and properly treated and disposed off-site prior to the cutoff date. These drums appeared to be intact when removed, and extensive environmental monitoring conducted by the PRP has not demonstrated a release in the area of the drums.

**Qualification:** This is a qualifying removal because it meets all three requirements. Consider the removal in scoring the source.

**HWQ:** Do not include the quantity of waste in the removed drums in scoring HWQ. If the Region is convinced that no release to the environment has occurred and if all other sources at the site can be scored completely using Tier A, no minimum HWQ value applies.

**Other Factors:** If the Region is convinced that the data indicate no release to the environment occurred, do not include the removed drums as a source for any pathway. Do not use the area where the drums were located to determine target distance limits. Do not use hazardous substances that were present only in the removed drums and not in any other sources to score any substance-specific factors.

### Example 4

One of the sources at a site is a waste pile containing hazardous substances. Prior to the cutoff date, the waste pile was removed and the contents were properly disposed off-site. The SI indicated that the surface and subsurface soil around the area where the pile was located contains elevated levels of arsenic and chromium, hazardous substances known to be present in the removed wastes.

**Qualification:** This is a qualifying removal because it meets all three requirements. Consider the removal in scoring the source.

**HWQ:** Do not include the hazardous substances in the waste pile in scoring HWQ. Unless all sources and releases at this site can be scored completely using Tier A, this site will be subject to a minimum HWQ factor value of either 10 or 100. Calculate the HWQ factor value both considering and not considering the removed materials to determine the appropriate minimum value (i.e., the site should not receive a higher score because of the removal).

**Other Factors:** This qualifying removal did not reduce the containment factor for this source to 0 for any of the migration pathways. Therefore, do not consider changes related to this source that could affect scoring of other HRS factors (e.g., containment, targets factors) in scoring these factors other than HWQ.

Score the soil exposure pathway using the areas of observed contamination documented at the SI.

### NOTICE

The information set forth in this document is intended solely for the guidance of Government personnel. It is not intended, nor can it be relied upon, to create any rights enforceable by any party in litigation with the United States. EPA may decide to follow the guidance provided in this fact sheet, or to act at variance with the guidance, based on an analysis of specific site circumstances. The Agency also reserves the right to change this guidance at any time without public notice.

## Project Note

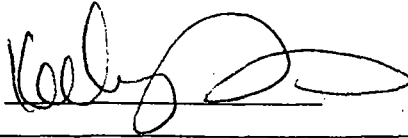
Date: February 10, 2006

Red Panther Chemical  
 Clarksdale, Coahoma County, Florida  
 EPA ID Number: MSD000272385

## Organization:

TN & Associates, Inc.,  
 Reg. 4 EPA START Contract

Name: Keely Meadows

Signature: 

Subject: Groundwater well information for City of Clarksdale, MS

Attached to this project note is water well information compiled from Ms. Pat Phillips and Mr. Jeff Gregory, both from Mississippi Department of Environmental Quality. Following, there is a phone record as well as a file of water data received from Ms. Phillips. There is also a phone record and a fax from Mr. Gregory regarding his corrections to inaccurate water information.

Also, an e-mail was sent to Pat Phillips with Mississippi Department of Environmental Quality on February 9, 2006 at 3:08 pm asking if the municipal wells within a 4-mile radius of the Red Panther site had wellhead protection areas. She replied on February 10, 2006 at 9:59 am stating that all of the public supply wells in the state have wellhead protection areas.

### RESPONSE REQUIRED

None     Phone call     Memo     Letter     Report

cc:     File     Project Manager     Principal Investigator     Other (specify)

File Well	Permit Number	Section	Township	Range	Latitude (dms)	Longitude (dms)	Owner Name	Use	Connections	Well Depth	Aquifer
027K0042		15	27N	03W	341258	902943	JOHN LANEY	DOMESTIC		1140	MERIDIAN - UPPER WILCOX
027M0005		08	26N	03W	340811	903148	JOHN A SIM	DOMESTIC		1252	MERIDIAN - UPPER WILCOX
027J0159		20	27N	04E	341217	903812	WALTON, GARY	DOMESTIC		490	
027J2006		11	27N	04W	341335	903446	T.R. BYRD	DOMESTIC		110	
027J2010		20	27N	04W	341150	903755	MIKE DOUGLAS	DOMESTIC		100	
027J2012		35	27N	04W	341008	903450	SAM ROBINSON	DOMESTIC		95	
027K0079		32	27N	03E	340943	903201	TOLIVAR, JESSIE	DOMESTIC		112	
027L2000		14	26N	04W	340726	903450	RAY SCHMIDT	DOMESTIC		681	
027L2010		02	26N	04W	340914	903451	LENSEY SAM WADE	DOMESTIC		100	
027M2003		06	26N	03W	340912	903247	JACKSON JOB	DOMESTIC		100	
027K0065	MS-GW-01093	28	27N	03W	341108	903113	WESTMORELAND, H.C.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027K0064	MS-GW-01094	28	27N	03W	341042	903113	E.H. PIPER TRUST CO	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-01375	36	27N	04W	341014	903330	MARYLAND PLANTING C	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0088	MS-GW-03200	10	27N	04W	341322	903611	WRIGHT, DIANE	IRRIGATION		127	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-03224	34	27N	03W	341029	902910	HUGH CAMPBELL BROTI	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-03225	35	27N	03W	340937	902900	HUGH CAMPBELL BROTI	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-03226	03	26N	03W	340926	902910	TOLIVAR, JESSIE	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-04613	19	27N	03W	341124	903247	REINHART PLANTING C	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-04614	08	26N	04W	340844	903748	GABLE FARMS	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027K0006	MS-GW-04670	05	27N	03W	341414	903207	RODGERS PLANTING CC	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027K0061	MS-GW-04741	05	27N	03W	341443	903218	RODGERS PLANTING CC	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027K0060	MS-GW-04742	05	27N	03W	341438	903156	WERK, DOROTHY	IRRIGATION		117	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-04932	32	28N	03W	341520	903206	MULLENS, JAY	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027K0050	MS-GW-04982	33	27N	03W	340949	903017	PAROLLI, RICHARD	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-04983	33	27N	03W	341003	903021	PAROLLI, RICHARD	IRRIGATION		118	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027K0026	MS-GW-04984	33	27N	03W	341003	903042	PAROLLI, RICHARD	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027K0010	MS-GW-04985	33	27N	03W	341007	903013	PAROLLI, RICHARD	IRRIGATION		125	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-04986	32	27N	03W	341015	903117	PAROLLI, RICHARD	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-04987	34	27N	03W	341018	902958	PAROLLI, RICHARD	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027L0036	MS-GW-04995	11	26N	04W	340821	903507	SIGMON, JR., MARVIN	IRRIGATION		122	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027L0037	MS-GW-04996	11	26N	04W	340845	903517	SIGMON, JR., MARVIN	IRRIGATION		122	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0115	MS-GW-05149	03	27N	04W	341416	903559	HEIDELBERG, ALIDA JAI	IRRIGATION		107	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05150	27	27N	03W	341057	902924	CAMPBELL'S BROS FARM	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05283	07	27N	03W	341321	903232	HEATON, W. S., JR.	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05470	03	26N	04W	340904	903604	DODSON, NEWTON	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027L0058	MS-GW-05471	04	26N	04W	340932	903726	DODSON, EDWINA M.	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0093	MS-GW-05472	33	27N	04W	340951	903628	MONTGOMERY, ROBERT	IRRIGATION		116	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05473	33	27N	04W	341000	903647	MONTGOMERY, ROBERT	IRRIGATION		158	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027L0059	MS-GW-05474	34	27N	04W	341005	903610	MONTGOMERY, ROBERT	IRRIGATION		113	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05519	09	27N	03W	341335	903104	TAVOLETI BROTHERS	IRRIGATION		106	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05521	04	27N	03W	341414	903059	TAVOLETI BROTHERS	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05552	19	27N	04W	341206	903846	CLARK, PHILLIP	IRRIGATION		130	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05555	27	27N	03W	341044	902952	CAMPBELL, HUGH & LAF	IRRIGATION		106	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05556	34	27N	03W	341023	902924	CAMPBELL, HUGH & LAF	IRRIGATION		108	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05557	34	27N	03W	340957	902926	CAMPBELL, HUGH & LAF	IRRIGATION		117	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0065	MS-GW-05617	27	27N	04W	341047	903622	BRAMLETT, LEON C.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0011	MS-GW-05618	28	27N	04W	341100	903704	BRAMLETT, LEON C.	IRRIGATION		123	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0118	MS-GW-05619	28	27N	04W	341034	903717	BRAMLETT, LEON C.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05620	33	27N	04W	341027	903724	BRAMLETT, LEON C.	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0070	MS-GW-05621	29	27N	04W	341058	903755	BRAMLETT, LEON C.	IRRIGATION		123	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05622	29	27N	04W	341120	903800	BRAMLETT, LEON C.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0073	MS-GW-05623	32	27N	04W	341019	903814	BRAMLETT, LEON C.	IRRIGATION		94	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027L0023	MS-GW-05624	31	26N	04W	340954	903839	BRAMLETT, LEON C.	IRRIGATION		117	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER



Well	Permit Number	Section	Township	Range	Latitude (dms)	Longitude (dms)	Owner Name	Use	Connections	Well Depth	Aquifer
027H0072	MS-GW-05625	05	26N	04W	340924	903821	BRAMLETT, LEON C.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0096	MS-GW-05626	31	27N	04W	341032	903836	BRAMLETT, LEON C.	IRRIGATION		105	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0095	MS-GW-05627	30	27N	04W	341101	903839	BRAMLETT, LEON C.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05628	30	27N	04W	341102	903851	BRAMLETT, LEON C.	IRRIGATION		98	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05630	27	27N	04W	341114	903622	BRAMLETT, LEON C.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05631	33	27N	04W	341030	903708	BRAMLETT, LEON C.	IRRIGATION		105	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0080	MS-GW-05632	28	27N	04W	341034	903725	BRAMLETT, LEON C.	IRRIGATION		98	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027K0011	MS-GW-05680	20	27N	03W	341124	903154	SIMMONS, HAROLD R.	IRRIGATION		125	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027K0056	MS-GW-05681	20	27N	03W	341144	903145	SIMMONS, HAROLD R.	IRRIGATION		135	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027K0044	MS-GW-05682	20	27N	03W	341146	903146	SIMMONS, HAROLD R.	IRRIGATION		129	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05683	29	27N	03W	341055	903159	KEESEE, FRANCIS S.	IRRIGATION		112	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0116	MS-GW-05685	03	27N	04W	341417	903621	HEIDELBERG, ALIDA JAI	IRRIGATION		105	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-06372	14	26N	04W	340732	903435	SCHMIDT, RAY	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-06373	14	26N	04W	340716	903436	SCHMIDT, RAY G.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-06374	14	26N	04W	340753	903449	SCHMIDT, RAY	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027L0053	MS-GW-06375	10	26N	04W	340812	903435	SCHMIDT, RAY	IRRIGATION		116	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027L0052	MS-GW-06376	11	26N	04W	340820	903507	SCHMIDT, RAY	IRRIGATION		118	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-06489	20	27N	04W	341137	903812	NEBLETT, RIVES	IRRIGATION		124	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0064	MS-GW-06490	21	27N	04W	341145	903719	OAKHURST COMPANY	IRRIGATION		111	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0109	MS-GW-06491	21	27N	04W	341132	903638	OAKHURST COMPANY	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-06492	19	27N	04W	341147	903833	NEBLETT, RIVES	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-06494	17	27N	04W	341242	903801	FULLEN FARMS INC	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-06495	09	27N	04W	341322	903712	FULLEN FARMS INC	IRRIGATION		124	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-06496	21	27N	04W	341153	903654	NEBLETT, RIVES	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-06884	35	28N	04W	341518	903431	LEATHERMAN, SHEA	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-06909	02	26N	04W	340904	903420	ELLIS, CHARLES	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-06910	02	26N	04W	340853	903420	ELLIS, CHARLES	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-06928	18	27N	03W	341253	903255	HEATON, W. S., JR.	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-07106	04	26N	04W	340935	903707	FLOWERS, J. H.	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027K0500	MS-GW-07497	33	27N	03W	341003	903105	BARBIERI, BETTY	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-07589	01	26N	04W	340908	903333	WALKER, MARY M.	IRRIGATION		164	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-07744	09	27N	04W	341355	903640	HEIDELBERG, ALIDA C.	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-08078	28	27N	03W	341112	903047	WESTMORELAND, H. C.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0013	MS-GW-08698	02	27N	04W	341453	903558	BOULDIN, MARSHALL, I.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0014	MS-GW-08699	02	27N	04W	341435	903537	BOULDIN, MARSHALL, I.	IRRIGATION		130	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027L2002	MS-GW-08750	01	26N	04W	340859	903338	WALKER, MARY MOORE	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-09056	35	27N	04W	340939	903427	FRANCIS, RAYMOND	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-09261	06	26N	03W	340939	903309	GARRETT, WILLIAM H. II	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-09262	01	26N	04W	340937	903332	GARRETT, WILLIAM H. II	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-09263	36	27N	04W	341016	903405	GILL, DIANA C.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-09264	36	27N	04W	340950	903403	GILL, DIANA C.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-09311	29	27N	03W	341050	903132	E.H. PIPER TRUST CO	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027L0020	MS-GW-09412	09	26N	04W	340807	903651	ALLEN, EUGENE	IRRIGATION		107	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-09445	03	26N	04W	340925	903546	SC&B, INC.	IRRIGATION		105	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-09629	34	27N	04W	341015	903530	MONTY, CHARLES, JR.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-09690	15	26N	04W	340744	903544	ALLEN, EUGENE	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-09691	10	26N	04W	340809	903524	ALLEN, EUGENE	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027L0061	MS-GW-09692	10	26N	04W	340807	903554	ALLEN, EUGENE	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-09694	09	26N	04W	340820	903716	ALLEN, EUGENE	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027L0062	MS-GW-09695	10	26N	04W	340808	903625	ALLEN, EUGENE	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-10027	09	27N	03W	341341	903029	HEATON, W.S., JR.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-10028	08	27N	03W	341348	903129	HEATON, W.S., JR.	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027K0003	MS-GW-10032	18	27N	03W	341217	903228	HEATON, W.S., JR.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER

File Well	Permit Number	Section	Township	Range	Latitude (dms)	Longitude (dms)	Owner Name	Use	Connections	Well Depth	Aquifer
	MS-GW-10033	17	27N	03W	341228	903130	HEATON, W.S., JR.	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-10034	17	27N	03W	341246	903209	HEATON, W.S., JR.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-10035	08	27N	03W	341329	903129	HEATON, W.S., JR.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-10036	04	27N	03W	341441	903046	YERGER, ESTHER	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-10086	28	27N	03W	341121	903025	E.H. PIPER TRUST C/O	IRRIGATION		125	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-10087	28	27N	03W	341031	903029	E.H. PIPER TRUST C/O	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-10102	01	27N	04W	341441	903313	LEATHERMAN JR., WILL	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J2004	MS-GW-10120	01	27N	04W	341406	903359	JORDON, ALICE MOXLE	IRRIGATION		114	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-10883	09	26N	03W	340825	903039	JONES, CARLISLE	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-10884	09	26N	03W	340811	903029	JONES, CARLISLE	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027M0001	MS-GW-10902	04	26N	03W	340937	903018	GARRETT, STEPHEN B.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-11015	32	27N	04W	341001	903822	JOSE, JERRY	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-11073	12	26N	04W	340838	903353	WALKER, MARY	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-11374	35	27N	04W	341010	903505	MONTY, CHARLES JR.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-11632	08	27N	04W	341331	903754	FULLEN FARMS INC	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-11649	08	27N	03W	341348	903215	HEATON, JR., W. S.	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-11672	32	27N	03W	340951	903146	NOE, RICHARD	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-11673	33	27N	03W	340939	903052	NOE, RICHARD	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-11674	04	26N	03W	340901	903113	WALTERS, W. L.	IRRIGATION		106	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-11913	17	27N	04W	341224	903756	SCHMIDT, RAY	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-12037	32	27N	04W	341015	903743	JOSE, JERRY	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-12107	30	27N	03W	341032	903306	NANCE, MARY H.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-12176	18	27N	04W	341245	903837	BYRD SONS RESIDUAL T	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-12446	32	27N	03W	341014	903147	E.H. PIPER TRUST C/O	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J2005	MS-GW-12880	34	28N	04W	341458	903617	CLARK, PAUL INC.	IRRIGATION		97	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-12916	34	27N	04W	341503	903609	CLARK, PAUL, INC.	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-12961	31	27N	03W	341027	903248	MARYLAND PLANTING C	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-13463	04	27N	03W	341440	903058	YERGER, ESTHER B.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-13551	20	27N	04W	341137	903743	NEBLETT, RIVES	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-13698	26	27N	03W	341036	902856	CARTWRIGHT, A. D.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-13699	26	27N	03W	341043	902908	CARTWRIGHT, A. D.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-13700	27	27N	03W	341050	902917	CARTWRIGHT, A. D.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-13701	27	27N	03W	341058	902926	CARTWRIGHT, A. D.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-13702	27	27N	03W	341106	902935	CARTWRIGHT, A. D.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-13704	27	27N	03W	341114	902946	CARTWRIGHT, A. D.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-13797	35	27N	04W	340945	903450	AGOSTINELLI, ROBERT	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-14216	02	27N	04W	341447	903455	BOULIN, III, MARSHALL	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-36281	21	27N	04W	341144	903712	NEBLETT, RIVES	IRRIGATION		130	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-36333	05	26N	03W	340905	903202	FLOWERS, R. B.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-36390	21	27N	03W	341149	903115	E.H. PIPER TRUST C/O	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-36391	22	27N	03W	341145	903012	PIPER, E. H., TRUST	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-36392	28	27N	03W	341108	903113	E.H. PIPER TRUST C/O	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-36397	36	28N	04W	341516	903334	S W I PARTNERSHIP	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-36543	06	27N	03W	341424	903233	RODGERS, HARVEY	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-36640	15	27N	04W	341308	903524	TAVOLETTI BROS.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-36683	32	27N	04W	341027	903750	BRAMLETT, LEON	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-36819	22	27N	03W	341152	902923	LWD PROPERTIES, L. P.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-37145	32	27N	03W	341017	903131	E.H. PIPER TRUST C/O	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-37169	12	26N	04W	340754	903402	LASSETTER, MRS. VIRG.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-37170	12	26N	04W	340753	903331	LASSETTER, MRS. VIRG.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-37389	05	26N	03W	340900	903146	FLOWERS, MATTSO	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-37581	03	26N	04W	340848	903624	DODSON, NEWTON B.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-37582	04	26N	04W	340927	903644	DODSON, EDWINA M.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER

Flp Well	Permit Number	Section	Township	Range	Latitude (dms)	Longitude (dms)	Owner Name	Use	Connections	Well Depth	Aquifer
	MS-GW-37636	15	27N	03W	341215	902950	LWD PROPERTIES, LP	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-37640	17	26N	03W	340741	903143	NOE, RICHARD	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-37790	25	27N	05W	341107	903441	OAKHURST COMPANY	IRRIGATION		130	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-37791	17	27N	04W	341253	903809	FULLEN FARMS INC	IRRIGATION		130	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38047	05	27N	03W	341438	903129	RODGERS PLANTING CC	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38048	02	27N	04W	341444	903518	BOULDIN III, MARSHAL	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38056	05	26N	04W	340900	903747	GABLE, GALE	IRRIGATION		114	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38222	10	26N	03W	340832	902956	VAUGHT, ELEANOR	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38328	32	28N	03W	341519	903235	MULLENS, DAVID B.	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38354	03	26N	04W	340926	903607	S. C. & B. INC.	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38355	03	26N	04W	340938	903543	S. C. & B. INC	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38449	34	27N	04W	341026	903533	MONTY, CHARLES	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38453	18	26N	03W	340741	903256	STAFFORD, DIXIE H.	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38470	34	27N	03W	340952	903001	PARROLI, RICHARD	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38472	21	27N	04W	341132	903635	NEBLETT, RIVES	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38510	01	27N	04W	341435	903358	BOULDIN, MARSHALL	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38888	09	27N	03W	341355	903020	HEATON, JR, W. S.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38889	05	27N	03W	341414	903127	YERGER, ESTHER	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38890	17	27N	03W	341253	903137	HEATON JR, W. S.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38915	05	27N	03W	341402	903145	TAVOLETTI BROS	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38964	07	26N	03W	340823	903240	NOE, RICHARD	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39104	04	23N	04W	340928	903702	S C & B FARMS	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39218	13	26N	04W	340719	903358	GARRETT, HANK & STE	IRRIGATION		125	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39241	03	26N	04W	340853	903522	BAKER, JEFF	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39242	03	26N	04W	340901	903544	BAKER, JEFF	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39330	20	27N	03W	341128	903138	SIMMONS, HAROLD & F	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39331	26	27N	03W	341040	902903	CARTWRIGHT, A. D.	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39335	21	27N	03W	341153	903044	PIPER, E. H., RESIDUAR	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39336	35	27N	03W	341003	902843	CAMPBELL BROTHERS F	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39337	03	26N	03W	340901	902932	CAMPBELL, HUGH, LARF	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39338	19	27N	03W	341212	903217	CAMPBELL, HUGH & LAF	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39341	29	27N	03W	341057	903132	SIMMONS, HAROLD & F	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39342	34	27N	03W	340944	902937	CARTWRIGHT, A. D.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39343	21	27N	03W	341123	903114	PIPER, E. H., RESIDUAR	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39346	19	27N	03W	341152	903218	CAMPBELL, HUGH & LAF	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39347	30	27N	03W	341110	903218	CAMPBELL, HUGH & LAF	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39466	04	27N	03W	341429	903039	TAVOLETTI BROS	IRRIGATION		95	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-40040	13	26N	04W	340702	903407	FLOWERS, R B	IRRIGATION		140	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-40410	09	26N	03W	340816	903059	JONES, CARLISLE G	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027K0009		32	27N	03W	341003	903117	J R CLANTON	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027L0009		11	26N	04W	340818	903452	MARYLAND PLANTING	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J2001		27	27N	04W	341058	903549	HEATON FARMS	IRRIGATION		143	
027J2002		27	27N	04W	341058	903549	HEATON FARMS	IRRIGATION		110	
027J2003		27	27N	04W	341058	903549	HEATON FARMS	IRRIGATION		110	
027J2008		35	27N	04W	341008	903450	DANNY MAZELIN	IRRIGATION		113	
027K0076		18	27N	03W	341241	903244	BOB HOWARD FLYING S	IRRIGATION		127	
027K2001		21	27N	03W	341147	903043	WATS & WESTMORELAN	IRRIGATION		110	
027K2002		20	27N	03W	341148	903146	WATS & WESTMORELA	IRRIGATION		110	
027K2003		32	27N	03W	341004	903147	ELIZABETH PIPER TRUS	IRRIGATION		120	
027K0058	MS-GW-04857	18	27N	03W	341258	903231	LYON, TOWN OF	MUNICIPAL	183	1226	MERIDIAN - UPPER WILCOX
027J0041	MS-GW-04972	24	27N	04W	341207	903414	CLARKSDALE, CITY OF	MUNICIPAL	7353	760	SPARTA
027J0055	MS-GW-04973	13	27N	04W	341222	903319	CLARKSDALE, CITY OF	MUNICIPAL	7353	675	SPARTA
027J0016	MS-GW-04974	15	27N	04W	341218	903555	CLARKSDALE, CITY OF	MUNICIPAL	7353	600	SPARTA

File Well	Permit Number	Section	Township	Range	Latitude (dms)	Longitude (dms)	Owner Name	Use	Connections	Well Depth	Aquifer
027J0026	MS-GW-04975	25	27N	04W	341101	903346	CLARKSDALE, CITY OF	MUNICIPAL	7353	703	SPARTA
027J0033	MS-GW-04976	24	27N	04W	341211	903409	CLARKSDALE, CITY OF	MUNICIPAL	7353	745	SPARTA
027J0068	MS-GW-04977	24	27N	04W	341206	903413	CLARKSDALE, CITY OF	MUNICIPAL	7353	691	SPARTA
027J0059	MS-GW-04978	24	27N	04W	341212	903401	CLARKSDALE, CITY OF	MUNICIPAL	7353	716	SPARTA
027J0060	MS-GW-04979	13	27N	04W	341227	903410	CLARKSDALE, CITY OF	MUNICIPAL	7353	667	SPARTA
027J0102	MS-GW-04980	25	27N	04W	341107	903355	CLARKSDALE, CITY OF	MUNICIPAL	7353	1122	MERIDIAN - UPPER WILCOX
027J0122	MS-GW-07295	15	27N	04W	341218	903543	CLARKSDALE, CITY OF	MUNICIPAL	7353	1299	MERIDIAN - UPPER WILCOX
027J0137	MS-GW-15321	18	27N	03W	341235	903256	CLARKSDALE PUBLIC UT	MUNICIPAL	10432	1299	MERIDIAN - UPPER WILCOX
027K0028	MS-GW-09435	09	27N	03W	341319	903029	GREEN ACRES WATER A	WATER ASSOCIATION		1157	MERIDIAN - UPPER WILCOX
027M0006	MS-GW-12774	08	26N	03W	340815	903139	LURAND UTILITY DISTR	WATER ASSOCIATION		1220	MERIDIAN - UPPER WILCOX
027M0086	MS-GW-15785	08	26N	03W	340817	903142	LURAND UTILITY DISTR	WATER ASSOCIATION		1213	MERIDIAN - UPPER WILCOX



TN & Associates, Inc.

Engineering and Science

# Phone Record

PROJECT NAME Red Panther Chemical

LOCATION Clarksdale, MS PROJECT # 2005148 TASK # 4003

DATE 1/23/06 TIME 3:07 pm

FROM	<b>Keely Meadows, Engineer</b>	COMPANY	<b>TN &amp; Associates, Inc</b>	PHONE #	<b>678-355- 5550</b>
	_____		_____		_____
	_____		_____		_____

TO	<b>Pat Phillips, Environmental Administrator</b>	COMPANY	<b>Mississippi Department of Environmental Quality</b>	PHONE #	<b>601-961- 5213</b>
	_____		_____		_____
	_____		_____		_____

SUBJECT Water information on Clarksdale, Coahoma County, Mississippi

DISCUSSION I spoke with Pat Phillips with Mississippi Department of Environmental Quality regarding water information for Clarksdale, Mississippi. I provided her with a latitude/longitude for the site location, and she later e-mailed me water information within a 5-mile radius of the latitude and longitude. She told me that the state does not permit private wells, so there is very little information available. She also said that when a well driller puts in a private well, the state is given a "dummy" latitude and longitude, and those coordinates are usually not updated. Ms. Phillips ended by saying that the state is behind on information regarding the municipal wells, so she will not be able to tell me if they are still in use. The permits for municipal wells are only renewed every 10 years.

CONCLUSION \_\_\_\_\_

ACTION TO BE TAKEN None

COPIES TO \_\_\_\_\_

Flp Well	Permit Number	Section	Township	Range	Latitude (dms)	Longitude (dms)	Owner Name	Use	Connections	Well Depth	Aquifer
027K0042		15	27N	03W	341258	902943	JOHN LANEY	DOMESTIC		1140	MERIDIAN - UPPER WILCOX
027M0005		08	06N	03W	340811	903148	JOHN A SIM	DOMESTIC		1252	MERIDIAN - UPPER WILCOX
027J0159		20	27N	04E	341217	903812	WALTON, GARY	DOMESTIC		490	
027J2006		11	27N	04W	341335	903446	T.R. BYRD	DOMESTIC		110	
027J2010		20	27N	04W	341150	903755	MIKE DOUGLAS	DOMESTIC		100	
027J2012		35	27N	04W	341008	903450	SAM ROBINSON	DOMESTIC		95	
027K0079		32	27N	03E	340972	903201	TOLIVAR, JESSIE	DOMESTIC		112	
027L2000		14	26N	04W	340726	903450	RAY SCHMIDT	DOMESTIC		681	
027L2010		02	26N	04W	340914	903451	LENSEY SAM WADE	DOMESTIC		100	
027M2003		06	26N	03W	340912	903247	JACKSON JOB	DOMESTIC		100	
027K0065	MS-GW-01093	28	27N	03W	341108	903113	WESTMORELAND, H.C.	8 IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027K0064	MS-GW-01094	28	27N	03W	341042	903113	E.H. PIPER TRUST C/O	G IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-01375	36	27N	04W	341014	903330	MARYLAND PLANTING C	O IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0088	MS-GW-03200	10	27N	04W	341322	903611	WRIGHT, DIANE	IRRIGATION		127	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-03224	34	27N	03W	341029	902910	HUGH CAMPBELL BROTH	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-03225	35	27N	03W	340937	902900	HUGH CAMPBELL BROTH	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-03226	03	26N	03W	340926	902910	TOLIVAR, JESSIE	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-04613	19	27N	03W	341124	903247	REINHART PLANTING CC	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-04614	08	26N	04W	340844	903748	GABLE FARMS	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027K0006	MS-GW-04670	05	27N	03W	341414	903207	RODGERS PLANTING CO	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027K0061	MS-GW-04741	06	27N	03W	341443	903218	RODGERS PLANTING CO	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027K0060	MS-GW-04742	05	27N	03W	341438	903156	WERK, DOROTHY	IRRIGATION		117	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-04932	32	28N	03W	341520	903206	MULLENS, JAY	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027K0050	MS-GW-04982	33	27N	03W	340949	903017	PAROLLI, RICHARD	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-04983	33	27N	03W	341003	903021	PAROLLI, RICHARD	IRRIGATION		118	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027K0026	MS-GW-04984	33	27N	03W	341003	903042	PAROLLI, RICHARD	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027K0010	MS-GW-04985	33	27N	03W	341007	903013	PAROLLI, RICHARD	IRRIGATION		125	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-04986	32	27N	03W	341015	903117	PAROLLI, RICHARD	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-04987	34	27N	03W	341018	902958	PAROLLI, RICHARD	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027L0036	MS-GW-04995	11	26N	04W	340821	903507	SIGMON, JR., MARVIN	IRRIGATION		122	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027L0037	MS-GW-04996	11	26N	04W	340845	903517	SIGMON, JR., MARVIN	IRRIGATION		122	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0115	MS-GW-05149	03	27N	04W	341416	903559	HEIDELBERG, ALIDA JAN	IRRIGATION		107	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05150	27	27N	03W	341057	902924	CAMPBELL'S BROS FARM	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05283	07	27N	03W	341321	903232	HEATON, W. S., JR.	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05470	03	26N	04W	340904	903604	DODSON, NEWTON	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027L0058	MS-GW-05471	04	26N	04W	340932	903726	DODSON, EDWINA M.	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0093	MS-GW-05472	33	27N	04W	340951	903628	MONTGOMERY, ROBERT	IRRIGATION		116	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05473	33	27N	04W	341000	903647	MONTGOMERY, ROBERT	IRRIGATION		158	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027L0059	MS-GW-05474	34	27N	04W	341005	903610	MONTGOMERY, ROBERT	IRRIGATION		113	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05519	09	27N	03W	341335	903104	TAVOLETTI BROTHERS	IRRIGATION		106	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05521	04	27N	03W	341414	903059	TAVOLETTI BROTHERS	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05552	19	27N	04W	341206	903846	CLARK, PHILLIP	IRRIGATION		130	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05555	27	27N	03W	341044	902952	CAMPBELL, HUGH & LAR	IRRIGATION		106	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05556	34	27N	03W	341023	902924	CAMPBELL, HUGH & LAR	IRRIGATION		108	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05557	34	27N	03W	340957	902926	CAMPBELL, HUGH & LAR	IRRIGATION		117	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0065	MS-GW-05617	27	27N	04W	341047	903622	BRAMLETT, LEON C.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0011	MS-GW-05618	28	27N	04W	341100	903704	BRAMLETT, LEON C.	IRRIGATION		123	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0118	MS-GW-05619	28	27N	04W	341034	903717	BRAMLETT, LEON C.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05620	33	27N	04W	341027	903724	BRAMLETT, LEON C.	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0070	MS-GW-05621	29	27N	04W	341058	903755	BRAMLETT, LEON C.	IRRIGATION		123	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05622	29	27N	04W	341120	903800	BRAMLETT, LEON C.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER

File Well	Permit Number	Section	Township	Range	Latitude (dms)	Longitude (dms)	Owner Name	Use	Connections	Well Depth	Aquifer
027J0073	MS-GW-05623	32	27N	04W	341019	903814	BRAMLETT, LEON C.	IRRIGATION		94	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027L0023	MS-GW-05624	31	27N	04W	340954	903839	BRAMLETT, LEON C.	IRRIGATION		117	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05625	05	26N	04W	340924	903821	BRAMLETT, LEON C.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027H0072	MS-GW-05626	31	27N	04W	341032	903836	BRAMLETT, LEON C.	IRRIGATION		105	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0096	MS-GW-05627	30	27N	04W	341101	903839	BRAMLETT, LEON C.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0095	MS-GW-05628	30	27N	04W	341102	903851	BRAMLETT, LEON C.	IRRIGATION		98	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05630	27	27N	04W	341114	903622	BRAMLETT, LEON C.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05631	33	27N	04W	341030	903708	BRAMLETT, LEON C.	IRRIGATION		105	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0080	MS-GW-05632	28	27N	04W	341034	903725	BRAMLETT, LEON C.	IRRIGATION		98	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027K0011	MS-GW-05680	20	27N	03W	341124	903154	SIMMONS, HAROLD R, E	IRRIGATION		125	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027K0056	MS-GW-05681	20	27N	03W	341144	903145	SIMMONS, HAROLD R, E	IRRIGATION		135	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027K0044	MS-GW-05682	20	27N	03W	341146	903146	SIMMONS, HAROLD R, E	IRRIGATION		129	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-05683	29	27N	03W	341055	903159	KEESE, FRANCIS S.	IRRIGATION		112	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0116	MS-GW-05685	03	27N	04W	341417	903621	HEIDELBERG, ALIDA JAN	IRRIGATION		105	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-06372	14	26N	04W	340732	903435	SCHMIDT, RAY	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-06373	14	26N	04W	340716	903436	SCHMIDT, RAY G.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-06374	14	26N	04W	340753	903449	SCHMIDT, RAY	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027L0053	MS-GW-06375	11	26N	04W	340812	903435	SCHMIDT, RAY	IRRIGATION		116	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027L0052	MS-GW-06376	11	26N	04W	340820	903507	SCHMIDT, RAY	IRRIGATION		118	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-06489	20	27N	04W	341137	903812	NEBLETT, RIVES	IRRIGATION		124	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0064	MS-GW-06490	21	27N	04W	341145	903719	OAKHURST COMPANY	IRRIGATION		111	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0109	MS-GW-06491	21	27N	04W	341132	903638	OAKHURST COMPANY	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-06492	19	27N	04W	341147	903833	NEBLETT, RIVES	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-06494	17	27N	04W	341242	903801	FULLEN FARMS INC	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-06495	09	27N	04W	341322	903712	FULLEN FARMS INC	IRRIGATION		124	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-06496	21	27N	04W	341153	903654	NEBLETT, RIVES	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-06884	35	28N	04W	341518	903431	LEATHERMAN, SHEA	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-06909	02	26N	04W	340904	903420	ELLIS, CHARLES	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-06910	02	26N	04W	340853	903420	ELLIS, CHARLES	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-06928	18	27N	03W	341253	903255	HEATON, W. S., JR.	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-07106	04	26N	04W	340935	903707	FLOWERS, J. H.	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027K0500	MS-GW-07497	33	27N	03W	341003	903105	BARBIERI, BETTY	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-07589	01	26N	04W	340908	903333	WALKER, MARY M.	IRRIGATION		164	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-07744	09	27N	04W	341355	903640	HEIDELBERG, ALIDA C.	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-08078	28	27N	03W	341112	903047	WESTMORELAND, H. C.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0013	MS-GW-08698	02	27N	04W	341453	903558	BOULDIN, MARSHALL, II	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J0014	MS-GW-08699	02	27N	04W	341435	903537	BOULDIN, MARSHALL, II	IRRIGATION		130	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027L2002	MS-GW-08750	01	26N	04W	340859	903338	WALKER, MARY MOORE	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-09056	35	27N	04W	340939	903427	FRANCIS, RAYMOND	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-09261	06	26N	03W	340939	903309	GARRETT, WILLIAM H.II	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-09262	01	26N	04W	340937	903332	GARRETT, WILLIAM H.II	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-09263	36	27N	04W	341016	903405	GILL, DIANA C.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-09264	36	27N	04W	340950	903403	GILL, DIANA C.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-09311	29	27N	03W	341050	903132	E.H. PIPER TRUST C/O	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027L0020	MS-GW-09412	09	26N	04W	340807	903651	ALLEN, EUGENE	IRRIGATION		107	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-09445	03	26N	04W	340925	903546	SC&B, INC.	IRRIGATION		105	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-09629	34	27N	04W	341015	903530	MONTY, CHARLES, JR.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-09690	15	26N	04W	340744	903544	ALLEN, EUGENE	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-09691	10	26N	04W	340809	903524	ALLEN, EUGENE	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027L0061	MS-GW-09692	10	26N	04W	340807	903554	ALLEN, EUGENE	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-09694	09	26N	04W	340820	903716	ALLEN, EUGENE	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER

Flp Well	Permit Number	Section	Township	Range	Latitude (dms)	Longitude (dms)	Owner Name	Use	Connections	Well Depth	Aquifer	
027L0062	MS-GW-09695	10	26N	04W	340808	903625	ALLEN, EUGENE	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
	MS-GW-10027	09	27N	03W	341341	903029	HEATON, W.S., JR.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
	MS-GW-10028	08	27N	03W	341348	903129	HEATON, W.S., JR.	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
027K0003	MS-GW-10032	18	27N	03W	341217	903228	HEATON, W.S., JR.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
	MS-GW-10033	17	27N	03W	341228	903130	HEATON, W.S., JR.	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
	MS-GW-10034	17	27N	03W	341246	903209	HEATON, W.S., JR.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
	MS-GW-10035	08	27N	03W	341329	903129	HEATON, W.S., JR.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
	MS-GW-10036	04	27N	03W	341441	903046	YERGER, ESTHER	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
	MS-GW-10086	28	27N	03W	341121	903025	E.H. PIPER TRUST C/O G	IRRIGATION		125	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
	MS-GW-10087	28	27N	03W	341031	903029	E.H. PIPER TRUST C/O G	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
027J2004	MS-GW-10102	01	27N	04W	341441	903313	LEATHERMAN JR., WILLI	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
	MS-GW-10120	01	27N	04W	341406	903359	JORDON, ALICE MOXLEY	IRRIGATION		114	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
	MS-GW-10883	09	26N	03W	340825	903039	JONES, CARLISLE	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
027M0001	MS-GW-10884	09	26N	03W	340811	903029	JONES, CARLISLE	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
	MS-GW-10902	04	26N	03W	340937	903018	GARRETT, STEPHEN B. 8	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
	MS-GW-11015	32	27N	04W	341001	903822	JOSE, JERRY	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
	MS-GW-11073	12	26N	04W	340838	903353	WALKER, MARY	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
	MS-GW-11374	35	27N	04W	341010	903505	MONTY, CHARLES JR.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
	MS-GW-11632	08	27N	04W	341331	903754	FULLEN FARMS INC	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
	MS-GW-11649	08	27N	03W	341348	903215	HEATON, JR., W. S.	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
	MS-GW-11672	32	27N	03W	340951	903146	NOE, RICHARD	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
	MS-GW-11673	33	27N	03W	340939	903052	NOE, RICHARD	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
	MS-GW-11674	04	26N	03W	340901	903113	WALTERS, W. L.	IRRIGATION		106	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
	MS-GW-11913	17	27N	04W	341224	903756	SCHMIDT, RAY	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
	MS-GW-12037	32	27N	04W	341015	903743	JOSE, JERRY	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
	MS-GW-12107	30	27N	03W	341032	903306	NANCE, MARY H.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
	MS-GW-12176	18	27N	04W	341245	903837	BYRD SONS RESIDUAL T	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
	MS-GW-12446	32	27N	03W	341014	903147	E.H. PIPER TRUST C/O G	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
	027J2005	MS-GW-12880	34	28N	04W	341458	903617	CLARK, PAUL INC.	IRRIGATION		97	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
		MS-GW-12916	34	27N	04W	341503	903609	CLARK, PAUL, INC.	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
		MS-GW-12961	31	27N	03W	341027	903248	MARYLAND PLANTING C	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
		MS-GW-13463	04	27N	03W	341440	903058	YERGER, ESTHER B.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
		MS-GW-13551	20	27N	04W	341137	903743	NEBLETT, RIVES	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
		MS-GW-13698	26	27N	03W	341036	902856	CARTWRIGHT, A. D.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
		MS-GW-13699	26	27N	03W	341043	902908	CARTWRIGHT, A. D.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
		MS-GW-13700	27	27N	03W	341050	902917	CARTWRIGHT, A. D.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
		MS-GW-13701	27	27N	03W	341058	902926	CARTWRIGHT, A. D.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
		MS-GW-13702	27	27N	03W	341106	902935	CARTWRIGHT, A. D.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
		MS-GW-13704	27	27N	03W	341114	902946	CARTWRIGHT, A. D.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
		MS-GW-13797	35	27N	04W	340945	903450	AGOSTINELLI, ROBERT	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
MS-GW-14216		02	27N	04W	341447	903455	BOULIN, III, MARSHALL	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
MS-GW-36281		21	27N	04W	341144	903712	NEBLETT, RIVES	IRRIGATION		130	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
MS-GW-36333		05	26N	03W	340905	903202	FLOWERS, R. B.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
MS-GW-36390		21	27N	03W	341149	903115	E.H. PIPER TRUST C/O G	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
MS-GW-36391		22	27N	03W	341145	903012	PIPER, E. H., TRUST	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
MS-GW-36392		28	27N	03W	341108	903113	E.H. PIPER TRUST C/O G	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
MS-GW-36397		36	28N	04W	341516	903334	S W I PARTNERSHIP	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
MS-GW-36543		06	27N	03W	341424	903233	RODGERS, HARVEY	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
MS-GW-36640		15	27N	04W	341308	903524	TAVOLETTI BROS.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
MS-GW-36683		32	27N	04W	341027	903750	BRAMLETT, LEON	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	
MS-GW-36819		22	27N	03W	341152	902923	LWD PROPERTIES, L. P.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER	



File Well	Permit Number	Section	Township	Range	Latitude (dms)	Longitude (dms)	Owner Name	Use	Connections	Well Depth	Aquifer
	MS-GW-37145	32	27N	03W	341017	903131	E.H. PIPER TRUST C/O	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-37169	12	26N	04W	340754	903402	LASSETTER, MRS. VIRGI	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-37170	12	26N	04W	340753	903331	LASSETTER, MRS. VIRGI	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-37389	05	26N	03W	340900	903146	FLOWERS, MATTSO	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-37581	03	26N	04W	340848	903624	DODSON, NEWTON B.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-37582	04	26N	04W	340927	903644	DODSON, EDWINA M.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-37636	15	27N	03W	341215	902950	LWD PROPERTIES, LP	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-37640	17	26N	03W	340741	903143	NOE, RICHARD	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-37790	25	27N	05W	341107	903441	OAKHURST COMPANY	IRRIGATION		130	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-37791	17	27N	04W	341253	903809	FULLEN FARMS INC	IRRIGATION		130	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38047	05	27N	03W	341438	903129	RODGERS PLANTING CO	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38048	02	27N	04W	341444	903518	BOULDIN III, MARSHALL	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38056	05	26N	04W	340900	903747	GABLE, GALE	IRRIGATION		114	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38222	10	26N	03W	340832	902956	VAUGHT, ELEANOR	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38328	32	28N	03W	341519	903235	MULLENS, DAVID B.	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38354	03	26N	04W	340926	903607	S. C. & B. INC.	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38355	03	26N	04W	340938	903543	S. C. & B. INC	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38449	34	27N	04W	341026	903533	MONTY, CHARLES	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38453	18	26N	03W	340741	903256	STAFFORD, DIXIE H.	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38470	34	27N	03W	340952	903001	PARROLI, RICHARD	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38472	21	27N	04W	341132	903635	NEBLETT, RIVES	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38510	01	27N	04W	341435	903358	BOULDIN, MARSHALL	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38888	09	27N	03W	341355	903020	HEATON, JR, W. S.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38889	05	27N	03W	341414	903127	YERGER, ESTHER	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38890	17	27N	03W	341253	903137	HEATON JR, W. S.	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38915	05	27N	03W	341402	903145	TAVOLETTI BROS	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-38964	07	26N	03W	340823	903240	NOE, RICHARD	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39104	04	23N	04W	340928	903702	S C & B FARMS	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39218	13	26N	04W	340719	903358	GARRETT, HANK & STEV	IRRIGATION		125	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39241	03	26N	04W	340853	903522	BAKER, JEFF	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39242	03	26N	04W	340901	903544	BAKER, JEFF	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39330	20	27N	03W	341128	903138	SIMMONS, HAROLD & FF	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39331	26	27N	03W	341040	902903	CARTWRIGHT, A. D.	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39335	21	27N	03W	341153	903044	PIPER, E. H., RESIDUAR	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39336	35	27N	03W	341003	902843	CAMPBELL BROTHERS F/	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39337	03	26N	03W	340901	902932	CAMPBELL, HUGH, LARR	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39338	19	27N	03W	341212	903217	CAMPBELL, HUGH & LAR	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39341	29	27N	03W	341057	903132	SIMMONS, HAROLD & FF	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39342	34	27N	03W	340944	902937	CARTWRIGHT, A. D.	IRRIGATION		120	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39343	21	27N	03W	341123	903114	PIPER, E. H., RESIDUAR	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39346	19	27N	03W	341152	903218	CAMPBELL, HUGH & LAR	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39347	30	27N	03W	341110	903218	CAMPBELL, HUGH & LAR	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-39466	04	27N	03W	341429	903039	TAVOLETTI BROS	IRRIGATION		95	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-40040	13	26N	04W	340702	903407	FLOWERS, R B	IRRIGATION		140	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
	MS-GW-40410	09	26N	03W	340816	903059	JONES, CARLISLE G	IRRIGATION		110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027K0009		32	27N	03W	341003	903117	J R CLANTON	IRRIGATION		115	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027L0009		11	26N	04W	340818	903452	MARYLAND PLANTING	IRRIGATION		100	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
027J2001		27	27N	04W	341058	903549	HEATON FARMS	IRRIGATION		143	
027J2002		27	27N	04W	341058	903549	HEATON FARMS	IRRIGATION		110	
027J2003		27	27N	04W	341058	903549	HEATON FARMS	IRRIGATION		110	
027J2008		35	27N	04W	341008	903450	DANNY MAZELIN	IRRIGATION		113	

File Well	Permit Number	Section	Township	Range	Latitude (dms)	Longitude (dms)	Owner Name	Use	Connections	Well Depth	Aquifer
027K0076		18	27N	03W	341241	903244	BOB HOWARD FLYING S IRRIGATION			127	
027K2001		21	27N	03W	341147	903043	WATS & WESTMORELAN IRRIGATION			110	
027K2002		20	27N	03W	341148	903146	WATS & WESTMORELAN IRRIGATION			110	
027K2003		32	27N	03W	341004	903147	ELIZABETH PIPER TRUST IRRIGATION			120	
027K0058	MS-GW-04857	18	27N	03W	341258	903231	LYON, TOWN OF	MUNICIPAL	183	1226	MERIDIAN - UPPER WILCOX
027J0041	MS-GW-04972	24	27N	04W	341207	903414	CLARKSDALE, CITY OF	MUNICIPAL	7353	760	SPARTA
027J0055	MS-GW-04973	13	27N	04W	341222	903319	CLARKSDALE, CITY OF	MUNICIPAL	7353	675	SPARTA
027J0016	MS-GW-04974	15	27N	04W	341218	903555	CLARKSDALE, CITY OF	MUNICIPAL	7353	600	SPARTA
027J0026	MS-GW-04975	25	27N	04W	341101	903346	CLARKSDALE, CITY OF	MUNICIPAL	7353	703	SPARTA
027J0033	MS-GW-04976	24	27N	04W	341211	903409	CLARKSDALE, CITY OF	MUNICIPAL	7353	745	SPARTA
027J0068	MS-GW-04977	24	27N	04W	341206	903413	CLARKSDALE, CITY OF	MUNICIPAL	7353	691	SPARTA
027J0059	MS-GW-04978	24	27N	04W	341212	903401	CLARKSDALE, CITY OF	MUNICIPAL	7353	716	SPARTA
027J0060	MS-GW-04979	13	27N	04W	341227	903410	CLARKSDALE, CITY OF	MUNICIPAL	7353	667	SPARTA
027J0102	MS-GW-04980	25	27N	04W	341107	903355	CLARKSDALE, CITY OF	MUNICIPAL	7353	1122	MERIDIAN - UPPER WILCOX
027J0122	MS-GW-07295	15	27N	04W	341218	903543	CLARKSDALE, CITY OF	MUNICIPAL	7013	1299	MERIDIAN - UPPER WILCOX
027J0137	MS-GW-15321	18	27N	03W	341235	903256	CLARKSDALE PUBLIC UT	MUNICIPAL	10432	1299	MERIDIAN - UPPER WILCOX
027K0028	MS-GW-09435	09	27N	03W	341319	903029	GREEN ACRES WATER A	WATER ASSOCIATION		1157	MERIDIAN - UPPER WILCOX
027M0006	MS-GW-12774	08	26N	03W	340815	903139	LURAND UTILITY DISTR	WATER ASSOCIATION		1220	MERIDIAN - UPPER WILCOX
027M0086	MS-GW-15785	08	26N	03W	340817	903142	LURAND UTILITY DISTR	WATER ASSOCIATION		1213	MERIDIAN - UPPER WILCOX



T N & Associates, Inc.

Engineering and Science

# Phone Record

PROJECT NAME Red Panther Chemical

LOCATION Clarksdale, MS PROJECT # 2005148 TASK # 4003

DATE 1/27/06 TIME 3:48 pm

FROM	<b>Keely Meadows, Engineer</b>	COMPANY	<b>TN &amp; Associates, Inc</b>	PHONE #	<b>678-355- 5550</b>
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TO	<b>Jeff Gregory, Enforcement Officer of Water Well Drillers</b>	COMPANY	<b>Mississippi Department of Environmental Quality</b>	PHONE #	<b>601-961- 5210</b>
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SUBJECT Water information on Clarksdale, Coahoma County, Mississippi

DISCUSSION I spoke with Jeff Gregory with Mississippi Department of Environmental Quality regarding some inaccurate water information for Clarksdale, Mississippi. I told him that I had received some water information from Pat Phillips with Mississippi Department of Environmental Quality. However, the information for a few entries seemed inaccurate for Sections/Townships. I e-mailed the information Pat had provided to me and Jeff checked it and faxed back to me the changes he made.

CONCLUSION \_\_\_\_\_

ACTION TO BE TAKEN None

COPIES TO \_\_\_\_\_

Fip Well	Permit Number	Section	Township	Range	Latitude (dms)	Longitude (dms)
027K0042		15	27N	03W	341258	902943
027M0005		08	26N	03W	340811	903148
027J0159		20	27N	04E	341217	903812
027J2006		11	27N	04W	341335	903446
027J2010		20	27N	04W	341150	903755
027J2012		35	27N	04W	341008	903450
027K0079		32	27N	03E	340972	903201
027L2000		14	26N	04W	340726	903450
027L2010		02	26N	04W	340914	903451
027M2003		06	26N	03W	340912	903247
027K0065	MS-GW-01093	28	27N	03W	341108	903113
027K0064	MS-GW-01094	28	27N	03W	341042	903113
	MS-GW-01375	36	27N	04W	341014	903330
027J0088	MS-GW-03200	10	27N	04W	341322	903611
	MS-GW-03224	34	27N	03W	341029	902910
	MS-GW-03225	35	27N	03W	340937	902900
	MS-GW-03226	03	26N	03W	340926	902910
	MS-GW-04613	19	27N	03W	341124	903247
	MS-GW-04614	08	26N	04W	340844	903748
027K0006	MS-GW-04670	05	27N	03W	341414	903207
027K0061	MS-GW-04741	05	27N	03W	341443	903218
027K0060	MS-GW-04742	05	27N	03W	341438	903156
	MS-GW-04932	32	28N	03W	341520	903206
027K0050	MS-GW-04982	33	27N	03W	340949	903017
	MS-GW-04983	33	27N	03W	341003	903021
027K0026	MS-GW-04984	33	27N	03W	341003	903042
027K0010	MS-GW-04985	33	27N	03W	341007	903013
	MS-GW-04986	32	27N	03W	341015	903117
	MS-GW-04987	34	27N	03W	341018	902958
027L0036	MS-GW-04995	11	26N	04W	340821	903507
027L0037	MS-GW-04996	11	26N	04W	340845	903517
027J0115	MS-GW-05149	03	27N	04W	341416	903559
	MS-GW-05150	27	27N	03W	341057	902924
	MS-GW-05283	07	27N	03W	341321	903232
	MS-GW-05470	03	26N	04W	340904	903604
027L0058	MS-GW-05471	04	26N	04W	340932	903726
027J0093	MS-GW-05472	33	27N	04W	340951	903628
	MS-GW-05473	33	27N	04W	341000	903647
027L0059	MS-GW-05474	34	27N	04W	341005	903610
	MS-GW-05519	09	27N	03W	341335	903104
	MS-GW-05521	04	27N	03W	341414	903059
	MS-GW-05552	19	27N	04W	341206	903846
	MS-GW-05555	27	27N	03W	341044	902952
	MS-GW-05556	34	27N	03W	341023	902924
	MS-GW-05557	34	27N	03W	340957	902926
027J0065	MS-GW-05617	27	27N	04W	341047	903622
027J0011	MS-GW-05618	28	27N	04W	341100	903704
027J0118	MS-GW-05619	28	27N	04W	341034	903717
	MS-GW-05620	33	27N	04W	341027	903724

Owner Name	Use	Connections
JOHN LANEY	DOMESTIC	
JOHN A SIM	DOMESTIC	
WALTON, GARY	DOMESTIC	
T.R. BYRD	DOMESTIC	
MIKE DOUGLAS	DOMESTIC	
SAM ROBINSON	DOMESTIC	
TOLIVAR, JESSIE	DOMESTIC	
RAY SCHMIDT	DOMESTIC	
LENSEY SAM WADE	DOMESTIC	
JACKSON JOB	DOMESTIC	
WESTMORELAND, H.C. & ROBERT S. WAITS	IRRIGATION	
E.H. PIPER TRUST C/O GLAUB FARM MGT.	IRRIGATION	
MARYLAND PLANTING CO.	IRRIGATION	
WRIGHT, DIANE	IRRIGATION	
HUGH CAMPBELL BROTHERS FARMS	IRRIGATION	
HUGH CAMPBELL BROTHERS FARMS	IRRIGATION	
TOLIVAR, JESSIE	IRRIGATION	
REINHART PLANTING CO., INC.	IRRIGATION	
GABLE FARMS	IRRIGATION	
RODGERS PLANTING CO.	IRRIGATION	
RODGERS PLANTING CO.	IRRIGATION	
WERK, DOROTHY	IRRIGATION	
MULLENS, JAY	IRRIGATION	
PAROLLI, RICHARD	IRRIGATION	
PAROLLI, RICHARD	IRRIGATION	
PAROLLI, RICHARD	IRRIGATION	
PAROLLI, RICHARD	IRRIGATION	
PAROLLI, RICHARD	IRRIGATION	
PAROLLI, RICHARD	IRRIGATION	
SIGMON, JR., MARVIN	IRRIGATION	
SIGMON, JR., MARVIN	IRRIGATION	
HEIDELBERG, ALIDA JANE	IRRIGATION	
CAMPBELL'S BROS FARMS	IRRIGATION	
HEATON, W. S., JR.	IRRIGATION	
DODSON, NEWTON	IRRIGATION	
DODSON, EDWINA M.	IRRIGATION	
MONTGOMERY, ROBERT M., ESTATE	IRRIGATION	
MONTGOMERY, ROBERT M., ESTATE	IRRIGATION	
MONTGOMERY, ROBERT M., ESTATE	IRRIGATION	
TAVOLETI BROTHERS	IRRIGATION	
TAVOLETI BROTHERS	IRRIGATION	
CLARK, PHILLIP	IRRIGATION	
CAMPBELL, HUGH & LARRY	IRRIGATION	
CAMPBELL, HUGH & LARRY	IRRIGATION	
CAMPBELL, HUGH & LARRY	IRRIGATION	
BRAMLETT, LEON C.	IRRIGATION	
BRAMLETT, LEON C.	IRRIGATION	
BRAMLETT, LEON C.	IRRIGATION	
BRAMLETT, LEON C.	IRRIGATION	

Well Depth	Aquifer
1140	MERIDIAN - UPPER WILCOX
1252	MERIDIAN - UPPER WILCOX
490	
110	
100	
95	
112	
681	
100	
100	
110	MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
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027J0070	MS-GW-05621	29 <i>oh</i>	27N	04W	341058	903755
	MS-GW-05622	29	27N	04W	341120	903800
027J0073	MS-GW-05623	32	27N	04W	341019	903814
027L0023	MS-GW-05624	31 <i>oh</i>	<del>27N</del> 26N	04W	340954	903839
	MS-GW-05625	05	26N	04W	340924	903821
027H0072	MS-GW-05626	31	27N	04W	341032	903836
027J0096	MS-GW-05627	30 <i>oh</i>	27N	04W	341101	903839
027J0095	MS-GW-05628	30	27N	04W	341102	903851
	MS-GW-05630	27	27N	04W	341114	903622
	MS-GW-05631	33	27N	04W	341030	903708
027J0080	MS-GW-05632	28	27N	04W	341034	903725
027K0011	MS-GW-05680	20	27N	03W	341124	903154
027K0056	MS-GW-05681	20	27N	03W	341144	903145
027K0044	MS-GW-05682	20	27N	03W	341146	903146
	MS-GW-05683	29	27N	03W	341055	903159
027J0116	MS-GW-05685	03	27N	04W	341417	903621
	MS-GW-06372	14	26N	04W	340732	903435
	MS-GW-06373	14	26N	04W	340716	903436
	MS-GW-06374	14	26N	04W	340753	903449
027L0053	MS-GW-06375	<del>11</del> 10	26N	04W	340812	903435
027L0052	MS-GW-06376	11 <i>oh</i>	26N	04W	340820	903507
	MS-GW-06489	20	27N	04W	341137	903812
027J0064	MS-GW-06490	21	27N	04W	341145	903719
027J0109	MS-GW-06491	21 <i>oh</i>	27N	04W	341132	903638
	MS-GW-06492	19	27N	04W	341147	903833
	MS-GW-06494	17	27N	04W	341242	903801
	MS-GW-06495	09	27N	04W	341322	903712
	MS-GW-06496	21	27N	04W	341153	903654
	MS-GW-06884	35	28N	04W	341518	903431
	MS-GW-06909	02	26N	04W	340904	903420
	MS-GW-06910	02	26N	04W	340853	903420
	MS-GW-06928	18	27N	03W	341253	903255
	MS-GW-07106	04	26N	04W	340935	903707
027K0500	MS-GW-07497	33	27N	03W	341003	903105
	MS-GW-07589	01	26N	04W	340908	903333
	MS-GW-07744	09	27N	04W	341355	903640
	MS-GW-08078	28	27N	03W	341112	903047
027J0013	MS-GW-08698	02	27N	04W	341453	903558
027J0014	MS-GW-08699	02	27N	04W	341435	903537
027L2002	MS-GW-08750	01	26N	04W	340859	903338
	MS-GW-09056	35	27N	04W	340939	903427
	MS-GW-09261	06	26N	03W	340939	903309
	MS-GW-09262	01	26N	04W	340937	903332
	MS-GW-09263	36	27N	04W	341016	903405
	MS-GW-09264	36	27N	04W	340950	903403
	MS-GW-09311	29	27N	03W	341050	903132
027L0020	MS-GW-09412	09	26N	04W	340807	903651
	MS-GW-09445	03	26N	04W	340925	903546
	MS-GW-09629	34	27N	04W	341015	903530
	MS-GW-09690	15	26N	04W	340744	903544

BRAMLETT, LEON C.	IRRIGATION
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SIMMONS, HAROLD R, ESTATE OF	IRRIGATION
SIMMONS, HAROLD R., ESTATE OF	IRRIGATION
SIMMONS, HAROLD R, ESTATE OF	IRRIGATION
KEESEE, FRANCIS S.	IRRIGATION
HEIDELBERG, ALIDA JANE	IRRIGATION
SCHMIDT, RAY	IRRIGATION
SCHMIDT, RAY G.	IRRIGATION
SCHMIDT, RAY	IRRIGATION
SCHMIDT, RAY	IRRIGATION
SCHMIDT, RAY	IRRIGATION
SCHMIDT, RAY	IRRIGATION
NEBLETT, RIVES	IRRIGATION
OAKHURST COMPANY	IRRIGATION
OAKHURST COMPANY	IRRIGATION
NEBLETT, RIVES	IRRIGATION
FULLEN FARMS INC	IRRIGATION
FULLEN FARMS INC	IRRIGATION
NEBLETT, RIVES	IRRIGATION
LEATHERMAN, SHEA	IRRIGATION
ELLIS, CHARLES	IRRIGATION
ELLIS, CHARLES	IRRIGATION
HEATON, W. S., JR.	IRRIGATION
FLOWERS, J. H.	IRRIGATION
BARBIERI, BETTY	IRRIGATION
WALKER, MARY M.	IRRIGATION
HEIDELBERG, ALIDA C.	IRRIGATION
WESTMORELAND, H. C.	IRRIGATION
BOULDIN, MARSHALL, III	IRRIGATION
BOULDIN, MARSHALL, III	IRRIGATION
WALKER, MARY MOORE	IRRIGATION
FRANCIS, RAYMOND	IRRIGATION
GARRETT, WILLIAM H.III & STEVEN B.	IRRIGATION
GARRETT, WILLIAM H.III & STEVEN B.	IRRIGATION
GILL, DIANA C.	IRRIGATION
GILL, DIANA C.	IRRIGATION
E.H. PIPER TRUST C/O GLAUB FARM MGT.	IRRIGATION
ALLEN, EUGENE	IRRIGATION
SC&B, INC.	IRRIGATION
MONTY, CHARLES, JR.	IRRIGATION
ALLEN, EUGENE	IRRIGATION



123 MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER  
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	MS-GW-09691	10	26N	04W	340809	903524
027L0061	MS-GW-09692	10	26N	04W	340807	903554
	MS-GW-09694	09	26N	04W	340820	903716
027L0062	MS-GW-09695	10	26N	04W	340808	903625
	MS-GW-10027	09	27N	03W	341341	903029
	MS-GW-10028	08	27N	03W	341348	903129
027K0003	MS-GW-10032	18	27N	03W	341217	903228
	MS-GW-10033	17	27N	03W	341228	903130
	MS-GW-10034	17	27N	03W	341246	903209
	MS-GW-10035	08	27N	03W	341329	903129
	MS-GW-10036	04	27N	03W	341441	903046
	MS-GW-10086	28	27N	03W	341121	903025
	MS-GW-10087	28	27N	03W	341031	903029
	MS-GW-10102	01	27N	04W	341441	903313
027J2004	MS-GW-10120	01	27N	04W	341406	903359
	MS-GW-10883	09	26N	03W	340825	903039
	MS-GW-10884	09	26N	03W	340811	903029
027M0001	MS-GW-10902	04	26N	03W	340937	903018
	MS-GW-11015	32	27N	04W	341001	903822
	MS-GW-11073	12	26N	04W	340838	903353
	MS-GW-11374	35	27N	04W	341010	903505
	MS-GW-11632	08	27N	04W	341331	903754
	MS-GW-11649	08	27N	03W	341348	903215
	MS-GW-11672	32	27N	03W	340951	903146
	MS-GW-11673	33	27N	03W	340939	903052
	MS-GW-11674	04	26N	03W	340901	903113
	MS-GW-11913	17	27N	04W	341224	903756
	MS-GW-12037	32	27N	04W	341015	903743
	MS-GW-12107	30	27N	03W	341032	903306
	MS-GW-12176	18	27N	04W	341245	903837
	MS-GW-12446	32	27N	03W	341014	903147
027J2005	MS-GW-12880	34	28N	04W	341458	903617
	MS-GW-12916	34	27N	04W	341503	903609
	MS-GW-12961	31	27N	03W	341027	903248
	MS-GW-13463	04	27N	03W	341440	903058
	MS-GW-13551	20	27N	04W	341137	903743
	MS-GW-13698	26	27N	03W	341036	902856
	MS-GW-13699	26	27N	03W	341043	902908
	MS-GW-13700	27	27N	03W	341050	902917
	MS-GW-13701	27	27N	03W	341058	902926
	MS-GW-13702	27	27N	03W	341106	902935
	MS-GW-13704	27	27N	03W	341114	902946
	MS-GW-13797	35	27N	04W	340945	903450
	MS-GW-14216	02	27N	04W	341447	903455
	MS-GW-36281	21	27N	04W	341144	903712
	MS-GW-36333	05	26N	03W	340905	903202
	MS-GW-36390	21	27N	03W	341149	903115
	MS-GW-36391	22	27N	03W	341145	903012
	MS-GW-36392	28	27N	03W	341108	903113
	MS-GW-36397	36	28N	04W	341516	903334

ALLEN, EUGENE	IRRIGATION
ALLEN, EUGENE	IRRIGATION
ALLEN, EUGENE	IRRIGATION
ALLEN, EUGENE	IRRIGATION
HEATON, W.S., JR.	IRRIGATION
HEATON, W.S., JR.	IRRIGATION
HEATON, W.S., JR.	IRRIGATION
HEATON, W.S., JR.	IRRIGATION
HEATON, W.S., JR.	IRRIGATION
HEATON, W.S., JR.	IRRIGATION
HEATON, W.S., JR.	IRRIGATION
YERGER, ESTHER	IRRIGATION
E.H. PIPER TRUST C/O GLAUB FARM MGT.	IRRIGATION
E.H. PIPER TRUST C/O GLAUB FARM MGT.	IRRIGATION
LEATHERMAN JR., WILLIAM	IRRIGATION
JORDON, ALICE MOXLEY	IRRIGATION
JONES, CARLISLE	IRRIGATION
JONES, CARLISLE	IRRIGATION
GARRETT, STEPHEN B. & WILLIAM H., III,	IRRIGATION
JOSE, JERRY	IRRIGATION
WALKER, MARY	IRRIGATION
MONTY, CHARLES JR.	IRRIGATION
FULLEN FARMS INC	IRRIGATION
HEATON, JR., W. S.	IRRIGATION
NOE, RICHARD	IRRIGATION
NOE, RICHARD	IRRIGATION
WALTERS, W. L.	IRRIGATION
SCHMIDT, RAY	IRRIGATION
JOSE, JERRY	IRRIGATION
NANCE, MARY H.	IRRIGATION
BYRD SONS RESIDUAL TRUST	IRRIGATION
E.H. PIPER TRUST C/O GLAUB FARM MGT.	IRRIGATION
CLARK, PAUL INC.	IRRIGATION
CLARK, PAUL, INC.	IRRIGATION
MARYLAND PLANTING COMPANY	IRRIGATION
YERGER, ESTHER B.	IRRIGATION
NEBLETT, RIVES	IRRIGATION
CARTWRIGHT, A. D.	IRRIGATION
CARTWRIGHT, A. D.	IRRIGATION
CARTWRIGHT, A. D.	IRRIGATION
CARTWRIGHT, A. D.	IRRIGATION
CARTWRIGHT, A. D.	IRRIGATION
CARTWRIGHT, A. D.	IRRIGATION
AGOSTINELLI, ROBERT	IRRIGATION
BOULIN, III, MARSHALL	IRRIGATION
NEBLETT, RIVES	IRRIGATION
FLOWERS, R. B.	IRRIGATION
E.H. PIPER TRUST C/O GLAUB FARM MGT.	IRRIGATION
PIPER, E. H., TRUST	IRRIGATION
E.H. PIPER TRUST C/O GLAUB FARM MGT.	IRRIGATION
S W I PARTNERSHIP	IRRIGATION



MS-GW-36543	06	27N	03W	341424	903233
MS-GW-36640	15	27N	04W	341308	903524
MS-GW-36683	32	27N	04W	341027	903750
MS-GW-36819	22	27N	03W	341152	902923
MS-GW-37145	32	27N	03W	341017	903131
MS-GW-37169	12	26N	04W	340754	903402
MS-GW-37170	12	26N	04W	340753	903331
MS-GW-37389	05	26N	03W	340900	903146
MS-GW-37581	03	26N	04W	340848	903624
MS-GW-37582	04	26N	04W	340927	903644
MS-GW-37636	15	27N	03W	341215	902950
MS-GW-37640	17	26N	03W	340741	903143
MS-GW-37790	25	27N	05W	341107	903441
MS-GW-37791	17	27N	04W	341253	903809
MS-GW-38047	05	27N	03W	341438	903129
MS-GW-38048	02	27N	04W	341444	903518
MS-GW-38056	05	26N	04W	340900	903747
MS-GW-38222	10	26N	03W	340832	902956
MS-GW-38328	32	28N	03W	341519	903235
MS-GW-38354	03	26N	04W	340926	903607
MS-GW-38355	03	26N	04W	340938	903543
MS-GW-38449	34	27N	04W	341026	903533
MS-GW-38453	18	26N	03W	340741	903256
MS-GW-38470	34	27N	03W	340952	903001
MS-GW-38472	21	27N	04W	341132	903635
MS-GW-38510	01	27N	04W	341435	903358
MS-GW-38888	09	27N	03W	341355	903020
MS-GW-38889	05	27N	03W	341414	903127
MS-GW-38890	17	27N	03W	341253	903137
MS-GW-38915	05	27N	03W	341402	903145
MS-GW-38964	07	26N	03W	340823	903240
MS-GW-39104	04	23N	04W	340928	903702
MS-GW-39218	13	26N	04W	340719	903358
MS-GW-39241	03	26N	04W	340853	903522
MS-GW-39242	03	26N	04W	340901	903544
MS-GW-39330	20	27N	03W	341128	903138
MS-GW-39331	26	27N	03W	341040	902903
MS-GW-39335	21	27N	03W	341153	903044
MS-GW-39336	35	27N	03W	341003	902843
MS-GW-39337	03	26N	03W	340901	902932
MS-GW-39338	19	27N	03W	341212	903217
MS-GW-39341	29	27N	03W	341057	903132
MS-GW-39342	34	27N	03W	340944	902937
MS-GW-39343	21	27N	03W	341123	903114
MS-GW-39346	19	27N	03W	341152	903218
MS-GW-39347	30	27N	03W	341110	903218
MS-GW-39466	04	27N	03W	341429	903039
MS-GW-40040	13	26N	04W	340702	903407
MS-GW-40410	09	26N	03W	340816	903059
027K0009	32	27N	03W	341003	903117

RODGERS, HARVEY	IRRIGATION
TAVOLETI BROS.	IRRIGATION
BRAMLETT, LEON	IRRIGATION
LWD PROPERTIES, L. P.	IRRIGATION
E.H. PIPER TRUST C/O GLAUB FARM MGT.	IRRIGATION
LASSETTER, MRS. VIRGINIA	IRRIGATION
LASSETTER, MRS. VIRGINIA	IRRIGATION
FLOWERS, MATTSON	IRRIGATION
DODSON, NEWTON B.	IRRIGATION
DODSON, EDWINA M.	IRRIGATION
LWD PROPERTIES, LP	IRRIGATION
NOE, RICHARD	IRRIGATION
OAKHURST COMPANY	IRRIGATION
FULLEN FARMS INC	IRRIGATION
RODGERS PLANTING COMPANY	IRRIGATION
BOULDIN III, MARSHALL	IRRIGATION
GABLE, GALE	IRRIGATION
VAUGHT, ELEANOR	IRRIGATION
MULLENS, DAVID B.	IRRIGATION
S. C. & B. INC.	IRRIGATION
S. C. & B. INC	IRRIGATION
MONTY, CHARLES	IRRIGATION
STAFFORD, DIXIE H.	IRRIGATION
PARROLI, RICHARD	IRRIGATION
NEBLETT, RIVES	IRRIGATION
BOULDIN, MARSHALL	IRRIGATION
HEATON, JR, W. S.	IRRIGATION
YERGER, ESTHER	IRRIGATION
HEATON JR, W. S.	IRRIGATION
TAVOLETI BROS	IRRIGATION
NOE, RICHARD	IRRIGATION
S C & B FARMS	IRRIGATION
GARRETT, HANK & STEVE	IRRIGATION
BAKER, JEFF	IRRIGATION
BAKER, JEFF	IRRIGATION
SIMMONS, HAROLD & FRANCES KEESE	IRRIGATION
CARTWRIGHT, A. D.	IRRIGATION
PIPER, E. H., RESIDUARY TRUST	IRRIGATION
CAMPBELL BROTHERS FARM #2	IRRIGATION
CAMPBELL, HUGH, LARRY & PAUL HAISON	IRRIGATION
CAMPBELL, HUGH & LARRY	IRRIGATION
SIMMONS, HAROLD & FRANCES KEESE	IRRIGATION
CARTWRIGHT, A. D.	IRRIGATION
PIPER, E. H., RESIDUARY TRUST	IRRIGATION
CAMPBELL, HUGH & LARRY	IRRIGATION
CAMPBELL, HUGH & LARRY	IRRIGATION
TAVOLETI BROS	IRRIGATION
FLOWERS, R B	IRRIGATION
JONES, CARLISLE G	IRRIGATION
J R CLANTON	IRRIGATION



027L0009		11 <i>sh</i>	26N	04W	340818	903452
027J2001		27	27N	04W	341058	903549
027J2002		27	27N	04W	341058	903549
027J2003		27	27N	04W	341058	903549
027J2008		35	27N	04W	341008	903450
027K0076		18	27N	03W	341241	903244
027K2001		21	27N	03W	341147	903043
027K2002		20	27N	03W	341148	903146
027K2003		32	27N	03W	341004	903147
027K0058	MS-GW-04857	18	27N	03W	341258	903231
027J0041	MS-GW-04972	24	27N	04W	341207	903414
027J0055	MS-GW-04973	13	27N	04W	341222	903319
027J0016	MS-GW-04974	15	27N	04W	341218	903555
027J0026	MS-GW-04975	25	27N	04W	341101	903346
027J0033	MS-GW-04976	24	27N	04W	341211	903409
027J0068	MS-GW-04977	24	27N	04W	341206	903413
027J0059	MS-GW-04978	24	27N	04W	341212	903401
027J0060	MS-GW-04979	13	27N	04W	341227	903410
027J0102	MS-GW-04980	25	27N	04W	341107	903355
027J0122	MS-GW-07295	15	27N	04W	341218	903543
027J0137	MS-GW-15321	18 <i>sh</i>	27N	03W	341235	903256
027K0028	MS-GW-09435	09	27N	03W	341319	903029
027M0006	MS-GW-12774	08	26N	03W	340815	903139
027M0086	MS-GW-15785	08	26N	03W	340817	903142



MARYLAND PLANTING	IRRIGATION	
HEATON FARMS	IRRIGATION	
HEATON FARMS	IRRIGATION	
HEATON FARMS	IRRIGATION	
DANNY MAZELIN	IRRIGATION	
BOB HOWARD FLYING SERVICE	IRRIGATION	
WATS & WESTMORELAND	IRRIGATION	
WAITS & WESTMORELAND	IRRIGATION	
ELIZABETH PIPER TRUST	IRRIGATION	
LYON, TOWN OF	MUNICIPAL	183
CLARKSDALE, CITY OF	MUNICIPAL	7353
CLARKSDALE, CITY OF	MUNICIPAL	7353
CLARKSDALE, CITY OF	MUNICIPAL	7353
CLARKSDALE, CITY OF	MUNICIPAL	7353
CLARKSDALE, CITY OF	MUNICIPAL	7353
CLARKSDALE, CITY OF	MUNICIPAL	7353
CLARKSDALE, CITY OF	MUNICIPAL	7353
CLARKSDALE, CITY OF	MUNICIPAL	7353
CLARKSDALE, CITY OF	MUNICIPAL	7013
CLARKSDALE PUBLIC UTILITIES COMMISSION	MUNICIPAL	10432
GREEN ACRES WATER ASSOCIATION, INC.	WATER ASSOCIATION	
LURAND UTILITY DISTRICT	WATER ASSOCIATION	
LURAND UTILITY DISTRICT	WATER ASSOCIATION	

**100 MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER**

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113

127

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110

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**1226 MERIDIAN - UPPER WILCOX**

760 SPARTA

675 SPARTA

600 SPARTA

703 SPARTA

745 SPARTA

691 SPARTA

716 SPARTA

667 SPARTA

**1122 MERIDIAN - UPPER WILCOX**

1299 MERIDIAN - UPPER WILCOX

1299 MERIDIAN - UPPER WILCOX

1157 MERIDIAN - UPPER WILCOX

1220 MERIDIAN - UPPER WILCOX

1213 MERIDIAN - UPPER WILCOX



FACT SHEET

Coahoma County, Mississippi

View a Fact Sheet for a race, ethnic, or ancestry group

Census 2000 Demographic Profile Highlights:

General Characteristics - show more >>

	Number	Percent	U.S.		
Total population	30,622			map	brief
Male	14,065	45.9	49.1%	map	brief
Female	16,557	54.1	50.9%	map	brief
Median age (years)	30.5	(X)	35.3	map	brief
Under 5 years	2,739	8.9	6.8%	map	
18 years and over	20,514	67.0	74.3%		
65 years and over	3,754	12.3	12.4%	map	brief
One race	30,437	99.4	97.6%		
White	8,965	29.3	75.1%	map	brief
Black or African American	21,192	69.2	12.3%	map	brief
American Indian and Alaska Native	27	0.1	0.9%	map	brief
Asian	144	0.5	3.6%	map	brief
Native Hawaiian and Other Pacific Islander	5	0.0	0.1%	map	brief
Some other race	104	0.3	5.5%	map	
Two or more races	185	0.6	2.4%	map	brief
Hispanic or Latino (of any race)	276	0.9	12.5%	map	brief
Household population	29,848	97.5	97.2%	map	brief
Group quarters population	774	2.5	2.8%	map	
Average household size	2.83	(X)	2.59	map	brief
Average family size	3.42	(X)	3.14	map	
Total housing units	11,490			map	
Occupied housing units	10,553	91.8	91.0%		brief
Owner-occupied housing units	6,045	57.3	66.2%	map	
Renter-occupied housing units	4,508	42.7	33.8%	map	brief
Vacant housing units	937	8.2	9.0%	map	

Social Characteristics - show more >>

	Number	Percent	U.S.		
Population 25 years and over	17,403				
High school graduate or higher	10,824	62.2	80.4%	map	brief
Bachelor's degree or higher	2,814	16.2	24.4%	map	
Civilian veterans (civilian population 18 years and over)	1,794	8.8	12.7%	map	brief
Disability status (population 5 years and over)	7,218	26.4	19.3%	map	brief
Foreign born	273	0.9	11.1%	map	brief
Male, Now married, except separated (population 15 years and over)	4,503	45.8	56.7%		brief
Female, Now married, except separated (population 15 years and over)	4,364	35.1	52.1%		brief
Speak a language other than English at home (population 5 years and over)	755	2.7	17.9%	map	brief

Economic Characteristics - show more >>

	Number	Percent	U.S.		
In labor force (population 16 years and over)	11,281	52.1	63.9%		brief
Mean travel time to work in minutes (workers 16 years and over)	24.0	(X)	25.5	map	brief
Median household income in 1999 (dollars)	22,338	(X)	41,994	map	
Median family income in 1999 (dollars)	26,640	(X)	50,046	map	
Per capita income in 1999 (dollars)	12,558	(X)	21,587	map	
Families below poverty level	2,235	29.8	9.2%	map	brief
Individuals below poverty level	10,700	35.9	12.4%	map	

Housing Characteristics - show more >>

	Number	Percent	U.S.
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Single-family owner-occupied homes	5,164					brief
Median value (dollars)	51,200	(X)	119,600	map		brief
Median of selected monthly owner costs	(X)	(X)				brief
With a mortgage (dollars)	652	(X)	1,088	map		
Not mortgaged (dollars)	261	(X)	295			

(X) Not applicable.

Source: U.S. Census Bureau, Summary File 1 (SF 1) and Summary File 3 (SF 3)

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